New York State Electric & Gas Corporation

Steuben-Chemung Area Transmission Enhancement Project

Appendix D
EMF Report

Part 3 of 3

Critical Energy/Electric Infrastructure Information (CEII) Has Been Redacted From This Document

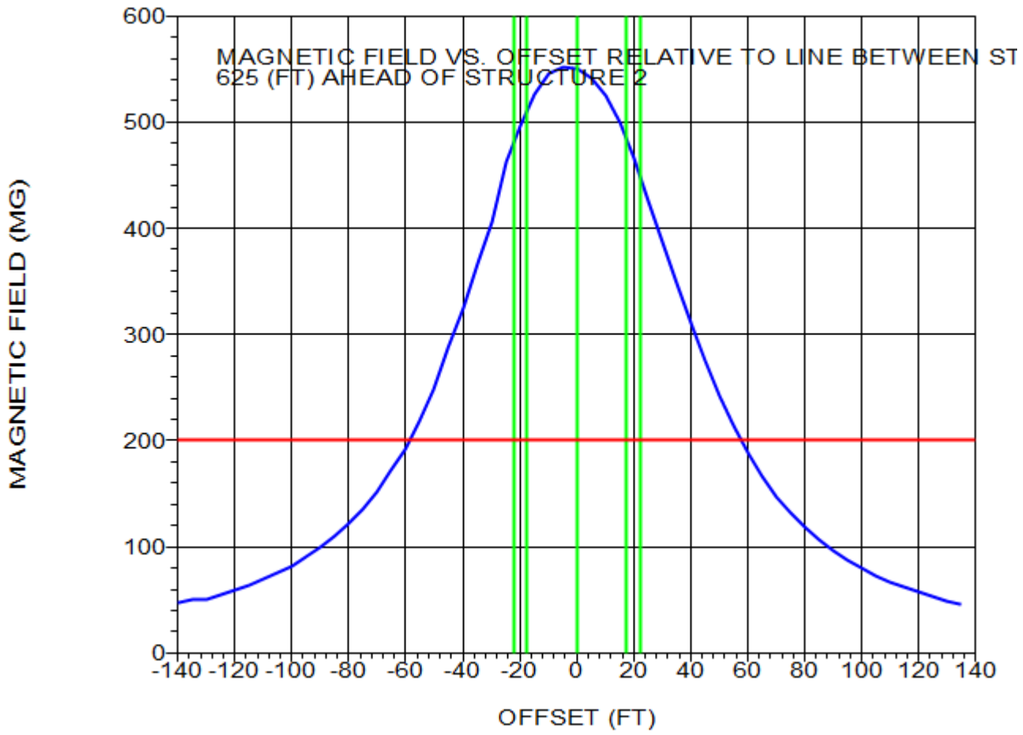
This page intentionally left blank.

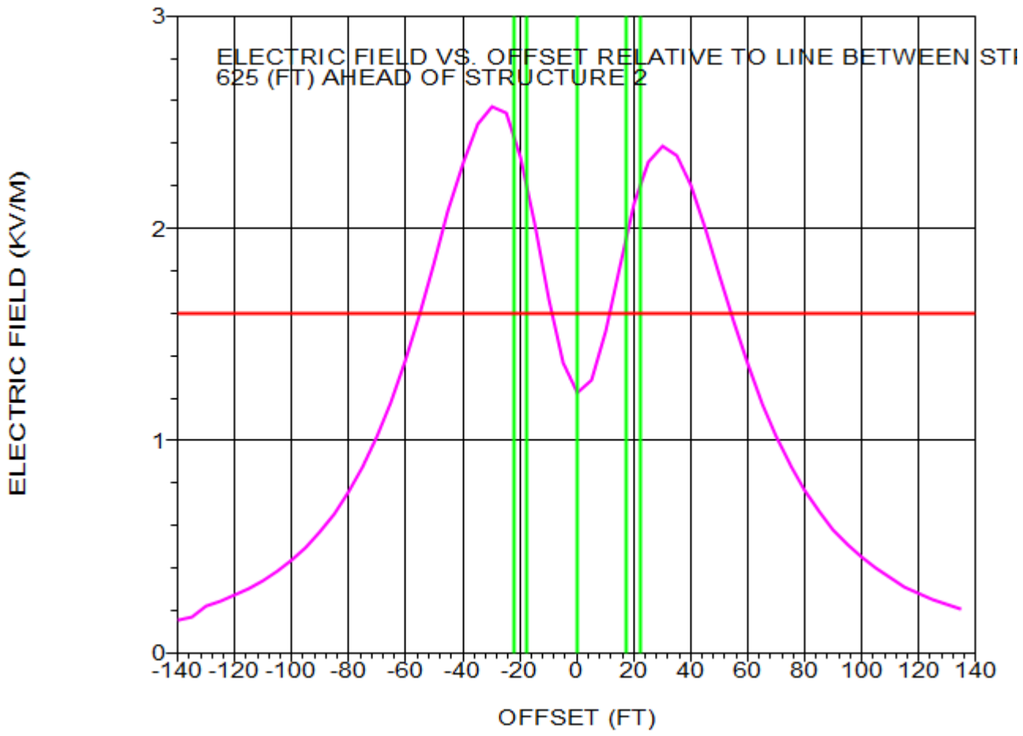
958447.4	15424486.7	1782.8	276.020	174.032	32.2	326.304	27.0	25.966	0.150	0.445	71.3	0.470	33.4	-2.337	-0.533	12.8	2.397	BF exceeds limit	NG
958451.3	15424483.5	1782.5	275.705	173.814	32.2	325.921	27.0	25.936	0.134	0.458	73.7	0.477	29.3	-2.578	-0.668	14.5	2.663	BF exceeds limit	NG
958455.1	15424480.3	1782.4	276.788	174.561	32.2	327.235	27.1	26.041	0.120	0.475	75.8	0.490	24.9	-2.814	-0.796	15.8	2.925	BF exceeds limit	NG
958459.0	15424477.1	1781.9	274.430	172.935	32.2	324.374	26.9	25.813	0.109	0.488	77.3	0.500	21.1	-3.042	-0.983	17.9	3.196	BF exceeds limit	NG
958462.9	15424474.0	1781.6	274.537	173.008	32.2	324.503	26.9	25.823	0.102	0.505	78.6	0.515	17.7	-3.260	-1.144	19.3	3.455	BF exceeds limit	NG
958466.7	15424470.8	1781.4	274.631	173.072	32.2	324.617	26.9	25.832	0.100	0.524	79.2	0.533	15.3	-3.467	-1.313	20.7	3.708	BF exceeds limit	NG
958470.6	15424467.6	1781.6	278.895	176.013	32.3	329.792	27.2	26.244	0.093	0.548	80.4	0.556	11.0	-3.654	-1.423	21.3	3.922	BF exceeds limit	NG
958474.5	15424464.5	1781.7	282.069	178.208	32.3	333.648	27.4	26.551	0.091	0.572	81.0	0.580	7.9	-3.825	-1.553	22.1	4.129	BF exceeds limit	NG
958478.3	15424461.3	1781.9	286.271	181.121	32.3	338.756	27.6	26.957	0.091	0.598	81.3	0.605	4.6	-3.976	-1.668	22.8	4.312	BF exceeds limit	NG
958482.2	15424458.1	1782.5	294.313	186.720	32.4	348.546	28.1	27.736	0.102	0.631	80.8	0.639	3.3	-4.098	-1.719	22.8	4.444	BF exceeds limit	NG
958486.1	15424455.0	1782.6	297.807	189.163	32.4	352.805	28.3	28.075	0.106	0.656	80.8	0.664	3.6	-4.210	-1.842	23.6	4.596	BF exceeds limit	NG
958489.9	15424451.8	1782.7	300.714	191.199	32.4	356.351	28.4	28.357	0.108	0.680	81.0	0.688	4.6	-4.303	-1.972	24.6	4.734	BF exceeds limit	NG
958493.8	15424448.6	1782.9	305.783	194.761	32.5	362.540	28.7	28.850	0.118	0.707	80.5	0.717	7.4	-4.370	-2.062	25.3	4.832	BF exceeds limit	NG
958497.7	15424445.5	1783.2	310.599	198.156	32.5	368.426	29.0	29.318	0.129	0.733	80.0	0.744	10.0	-4.416	-2.150	26.0	4.911	BF exceeds limit	NG
958501.5	15424442.3	1783.4	314.887	201.189	32.6	373.673	29.3	29.736	0.139	0.758	79.6	0.771	12.2	-4.442	-2.240	26.8	4.974	BF exceeds limit	NG
958505.4	15424439.1	1783.6	319.333	204.344	32.6	379.117	29.5	30.169	0.152	0.783	79.0	0.797	14.5	-4.446	-2.318	27.5	5.014	BF exceeds limit	NG
958509.3	15424436.0	1783.8	323.965	207.641	32.7	384.796	29.8	30.621	0.167	0.806	78.3	0.823	16.9	-4.430	-2.383	28.3	5.031	BF exceeds limit	NG
958513.1	15424432.8	1784.2	330.792	212.520	32.7	393.177	30.2	31.288	0.197	0.833	76.7	0.856	20.6	-4.394	-2.396	28.6	5.004	BF exceeds limit	NG
958517.0	15424429.6	1784.5	336.329	216.495	32.8	399.984	30.5	31.830	0.223	0.855	75.4	0.884	23.7	-4.344	-2.417	29.1	4.971	BF exceeds limit	NG
958520.9	15424426.4	1784.8	341.494	220.218	32.8	406.342	30.8	32.336	0.248	0.875	74.2	0.910	26.5	-4.282	-2.430	29.6	4.923	BF exceeds limit	NG
958524.7	15424423.3	1785.0	345.902	223.405	32.9	411.774	31.0	32.768	0.271	0.892	73.1	0.932	29.0	-4.211	-2.440	30.1	4.867	BF exceeds limit	NG
958528.6	15424420.1	1785.2	350.409	226.675	32.9	417.334	31.3	33.210	0.296	0.906	71.9	0.953	31.5	-4.136	-2.430	30.4	4.797	BF exceeds limit	NG
958532.5	15424416.9	1785.3	353.739	229.097	32.9	421.446	31.5	33.538	0.314	0.916	71.1	0.968	33.5	-4.060	-2.424	30.8	4.728	BF exceeds limit	NG
958536.3	15424413.8	1785.3	354.195	229.428	32.9	422.009	31.5	33.582	0.315	0.918	71.0	0.970	33.9	-3.983	-2.452	31.6	4.677	BF exceeds limit	NG
958540.2	15424410.6	1785.2	354.212	229.440	32.9	422.029	31.5	33.584	0.314	0.916	71.1	0.968	34.1	-3.910	-2.470	32.3	4.625	BF exceeds limit	NG
958544.1	15424407.4	1785.0	352.976	228.538	32.9	420.501	31.4	33.462	0.305	0.910	71.5	0.960	33.4	-3.843	-2.493	33.0	4.581	BF exceeds limit	NG
958547.9	15424404.3	1785.1	356.099	230.814	33.0	424.360	31.6	33.769	0.321	0.909	70.6	0.964	35.3	-3.799	-2.420	32.5	4.504	BF exceeds limit	NG
958551.8	15424401.1	1785.0	356.050	230.777	32.9	424.299	31.6	33.765	0.317	0.901	70.6	0.956	35.2	-3.761	-2.391	32.4	4.457	BF exceeds limit	NG
958555.7	15424397.9	1785.0	355.679	230.505	32.9	423.840	31.6	33.728	0.311	0.891	70.8	0.944	34.9	-3.738	-2.357	32.2	4.419	BF exceeds limit	NG
958559.5	15424394.8	1784.9	356.267	230.932	33.0	424.565	31.6	33.786	0.309	0.882	70.7	0.934	35.0	-3.735	-2.296	31.6	4.384	BF exceeds limit	NG
958563.4	15424391.6	1784.9	356.021	230.752	32.9	424.261	31.6	33.762	0.301	0.870	70.9	0.921	34.6	-3.746	-2.245	30.9	4.367	BF exceeds limit	NG
958567.3	15424388.4	1784.7	355.050	230.042	32.9	423.060	31.5	33.666	0.288	0.857	71.4	0.904	33.6	-3.773	-2.203	30.3	4.369	BF exceeds limit	NG
958571.1	15424385.2	1784.3	349.756	226.187	32.9	416.521	31.2	33.146	0.247	0.836	73.5	0.872	29.6	-3.806	-2.238	30.5	4.415	BF exceeds limit	NG
958575.0	15424382.1	1784.1	347.737	224.720	32.9	414.029	31.1	32.947	0.226	0.823	74.6	0.853	27.5	-3.862	-2.217	29.9	4.453	BF exceeds limit	NG
958578.9	15424378.9	1784.0	346.215	223.615	32.9	412.151	31.0	32.798	0.208	0.812	75.6	0.838	25.6	-3.933	-2.193	29.1	4.503	BF exceeds limit	NG
958582.7	15424375.7	1784.0	346.893	224.104	32.9	412.986	31.1	32.864	0.205	0.807	75.8	0.832	25.4	-4.021	-2.139	28.0	4.554	BF exceeds limit	NG
958586.6	15424372.6	1784.2	349.368	225.899	32.9	416.039	31.2	33.107	0.214	0.807	75.1	0.835	26.4	-4.120	-2.063	26.6	4.607	BF exceeds limit	NG
958590.5	15424369.4	1784.2	349.086	225.692	32.9	415.690	31.2	33.080	0.207	0.804	75.6	0.831	25.4	-4.222	-2.044	25.8	4.690	BF exceeds limit	NG
958594.3	15424366.2	1784.1	347.341	224.424	32.9	413.536	31.1	32.908	0.192	0.800	76.5	0.823	23.5	-4.329	-2.058	25.4	4.793	BF exceeds limit	NG
958598.2	15424363.1	1783.9	345.343	222.975	32.8	411.071	31.0	32.712	0.177	0.797	77.5	0.816	21.4	-4.443	-2.085	25.1	4.908	BF exceeds limit	NG
958602.1	15424359.9	1783.9	344.519	222.376	32.8	410.055	30.9	32.631	0.171	0.797	77.9	0.815	20.2	-4.565	-2.099	24.7	5.024	BF exceeds limit	NG
958606.0	15424356.7	1783.9	343.708	221.788	32.8	409.054	30.9	32.551	0.168	0.798	78.1	0.815	19.0	-4.692	-2.120	24.3	5.148	BF exceeds limit	NG
958609.8	15424353.6	1783.8	342.484	220.900	32.8	407.544	30.8	32.431	0.163	0.798	78.5	0.815	17.5	-4.824	-2.152	24.0	5.282	BF exceeds limit	NG
958613.7	15424350.4	1783.5	338.564	218.070	32.8	402.716	30.6	32.047	0.143	0.794	79.8	0.807	14.1	-4.962	-2.236	24.3	5.443	BF exceeds limit	NG
958617.6	15424347.2	1782.7	327.560	210.170	32.7	389.187	30.0	30.971	0.090	0.779	83.4	0.784	5.7	-5.115	-2.450	25.6	5.672	BF exceeds limit	NG
958621.4	15424344.0	1782.5	324.899	208.267	32.7	385.920	29.8	30.711	0.093	0.778	83.2	0.784	3.8	-5.267	-2.521	25.6	5.839	BF exceeds limit	NG
958625.3	15424340.9	1783.2	331.517	212.999	32.7	394.046	30.2	31.357	0.133	0.794	80.5	0.805	7.0	-5.402	-2.425	24.2	5.921	BF exceeds limit	NG
958629.2	15424337.7	1783.2	331.018	212.639	32.7	393.431	30.2	31.308	0.143	0.798	79.8	0.811	5.8	-5.547	-2.458	23.9	6.067	BF exceeds limit	NG
958633.0	15424334.5	1783.2	330.767	212.456	32.7	393.121	30.2	31.284	0.156	0.802	79.0	0.817	4.8	-5.689	-2.484	23.6	6.208	BF exceeds limit	NG
958636.9	15424331.4	1783.2	329.169	211.310	32.7	391.157	30.1	31.127	0.164	0.803	78.5	0.819	2.9	-5.830	-2.532	23.5	6.356	BF exceeds limit	NG
958640.8	15424328.2	1782.8	322.443	206.505	32.6	382.901	29.7	30.470	0.164	0.794	78.3	0.810	2.9	-5.983	-2.671	24.1	6.552	BF exceeds limit	NG
958644.6	15424325.0	1782.7	320.858	205.375	32.6	380.958	29.6	30.316	0.176	0.793	77.5	0.812	4.4	-6.111	-2.711	23.9	6.685	BF exceeds limit	NG
958648.5	15424321.9	1782.9	321.931	206.136	32.6	382.272	29.7	30.420	0.191	0.795	76.5	0.818	4.0	-6.217	-2.696	23.4	6.776	BF exceeds limit	NG
958652.4	15424318.7	1782.5	315.361	201.466	32.6	374.221	29.3	29.780	0.201	0.784	75.6	0.809	9.2	-6.348	-2.818	23.9	6.945	BF exceeds limit	NG
958656.2	15424315.5	1782.7	315.911	201.854	32.6	374.893	29.3	29.833	0.212	0.784	74.9	0.812	9.0	-6.433	-2.802	23.5	7.017	BF exceeds limit	NG
958660.1	15424312.4	1782.4	311.915	199.022	32.5	370.001	29.1	29.444	0.223	0.776	73.9	0.807	12.2	-6.530	-2.866	23.7	7.132	BF exceeds limit	NG
958664.0	15424309.2	1782.3	308.571	196.659	32.5	365.911	28.9	29.118	0.236	0.768	72.9	0.803	14.8	-6.613	-2.912	23.8	7.226	BF exceeds limit	NG
958667.8	15424306.0	1781.7	300.518	190.994	32.4	356.076	28.4	28.336	0.260	0.752	70.9	0.796	21.5	-6.715	-3.044	24.4	7.372	BF exceeds limit	NG
958671.7	15424302.9	1782.2	303.760	193.266	32.5	360.030	28.6	28.650	0.257	0.753	71.2	0.796	18.8	-6.729	-2.955	23.7	7.350	BF exceeds limit	NG
958675.6	15424299.7	1782.3	303.472	193.061	32.5	359.678	28.6	28.622	0.261	0.748	70.7	0.793	19.0	-6.752	-2.931	23.5	7.361	BF exceeds limit	NG
958679.4	15424296.5	1782.5	304.008	193.436	32.5	360.331	28.6	28.674	0.264	0.745	70.5	0.790	18.7	-6.755	-2.889	23.2	7.347	BF exceeds limit	NG
958683.3	15424293.3	1782.3	299.612	190.347	32.4	354.964	28.4	28.247	0.274	0.733	69.5	0.782	22.1	-6.776	-2.937	23.4	7.385	BF exceeds limit	NG
958687.2	15424290.2	1782.3	297.780	189.062	32.4	352.728	28.3	28.069	0.277	0.725	69.1	0.776	23.5	-6.765	-2.935	23.5	7.374	BF exceeds limit	NG
958691.0	15424287.0	1782.7	299.941	190.572	32.4	355.362	28.4	28.279	0.271	0.723	69.5	0.772	21.7	-6.711	-2.859	23.1	7.295	BF exceeds limit	NG
958694.9	15424283.8	1782.5	295.756	187.640	32.4	350.258	28.2	27.873	0.276	0.712	68.8	0.763	24.6	-6.689	-2.901	23.4	7.291	BF exceeds limit	NG
958698.8	15424280.7	1782.8	296.034	187.831	32.4	350.595	28.2	27.899	0.270	0.708	69.1	0.757	24.0	-6.625	-2.860	23.4	7.216	BF exceeds limit	NG
958702.6	15424277.5	1782.9	295.628	187.544	32.4	350.098	28.2	27.860	0.265	0.703	69.3	0.752	23.9	-6.556	-2.834	23.4	7.143	BF exceeds limit	NG
958706.5	15424274.3	1783.2	296.564	188.194	32.4	351.237	28.2	27.951	0.258	0.702	69.8	0.747	22.8	-6.471	-2.785	23.3	7.044	BF exceeds limit	NG
958710.4	15424271.2	1783.5	296.487	188.137	32.4	351.141	28.2	27.943	0.252	0.699	70.2	0.743	22.3	-6.385	-2.756	23.3	6.954	BF exceeds limit	NG
958714.2	15424268.0	1783.8	298.120	189.275	32.4	353.130	28.3	28.101	0.244	0.699	70.7	0.741	20.9	-6.284	-2.695	23.2	6.837	BF exceeds limit	NG
958718.1	15424264.8	1784.4	301.074	191.341	32.4	356.731	28.5	28.388	0.239	0.702	71.2	0.742	19.1	-6.171	-2.611	22.9	6.701	BF exceeds limit	NG
958722.0	15424261.7	1784.9	304.243	193.561	32.5	360.596	28.7	28.695	0.238	0.706	71.3	0.745	18.0	-6.054	-2.523	22.6	6.559	BF exceeds limit	NG
958725.8	15424258.5	1785.3	305.281	194.286	32.5	361.861	28.7	28.796	0.238	0.705	71.3	0.744	17.8	-5.946	-2.469	22.5	6.438	BF exceeds limit	NG
958729.7	15424255.3	1785.7	307.394	195.769	32.5	364.440	28.8	29.001	0.244	0.706	70.9	0.747	18.1	-5.831	-2.392	22.3	6.302	BF exceeds limit	NG

958733.6	15424252.1	1785.3	300.136	190.665	32.4	355.576	28.4	28.296	0.229	0.689	71.6	0.725	18.4	-5.757	-2.472	23.2	6.265	BF exceeds limit NG
958737.4	15424249.0	1785.7	301.054	191.303	32.4	356.693	28.5	28.385	0.233	0.685	71.3	0.724	18.6	-5.640	-2.403	23.1	6.131	BF exceeds limit NG
958741.3	15424245.8	1786.3	305.081	194.126	32.5	361.606	28.7	28.776	0.250	0.687	70.0	0.731	19.8	-5.507	-2.276	22.5	5.959	BF exceeds limit NG
958745.2	15424242.6	1786.2	299.948	190.517	32.4	355.338	28.4	28.277	0.240	0.670	70.3	0.712	19.8	-5.411	-2.297	23.0	5.878	BF exceeds limit NG
958749.0	15424239.5	1786.2	297.282	188.645	32.4	352.085	28.2	28.018	0.239	0.657	70.0	0.699	20.3	-5.300	-2.268	23.2	5.765	BF exceeds limit NG
958752.9	15424236.3	1786.1	292.734	185.464	32.4	346.540	28.0	27.577	0.233	0.639	69.9	0.680	20.5	-5.193	-2.264	23.6	5.665	BF exceeds limit NG
958756.8	15424233.1	1785.8	286.758	181.301	32.3	339.264	27.6	26.998	0.224	0.618	70.1	0.657	20.7	-5.088	-2.277	24.1	5.574	BF exceeds limit NG
958760.7	15424230.0	1785.5	280.844	177.199	32.2	332.074	27.3	26.426	0.216	0.596	70.1	0.634	21.1	-4.979	-2.282	24.6	5.477	BF exceeds limit NG
958764.5	15424226.8	1785.4	276.020	173.863	32.2	326.213	27.0	25.959	0.210	0.576	69.9	0.613	21.6	-4.861	-2.265	25.0	5.363	BF exceeds limit NG
958768.4	15424223.6	1785.3	272.575	171.486	32.2	322.032	26.8	25.626	0.208	0.558	69.5	0.596	22.1	-4.734	-2.222	25.1	5.229	BF exceeds limit NG
958772.3	15424220.5	1785.2	268.140	168.436	32.1	316.654	26.5	25.199	0.203	0.538	69.3	0.576	22.6	-4.609	-2.192	25.4	5.104	BF exceeds limit NG
958776.1	15424217.3	1785.1	264.078	165.650	32.1	311.732	26.3	24.807	0.199	0.520	69.0	0.556	23.0	-4.482	-2.156	25.7	4.974	BF exceeds limit NG
958780.0	15424214.1	1784.9	259.771	162.705	32.1	306.519	26.0	24.392	0.193	0.500	68.9	0.536	23.3	-4.357	-2.123	26.0	4.846	BF exceeds limit NG
958783.9	15424211.0	1784.8	255.888	160.056	32.0	301.822	25.8	24.018	0.189	0.482	68.6	0.518	23.6	-4.231	-2.084	26.2	4.716	BF exceeds limit NG
958787.7	15424207.8	1784.6	252.026	157.429	32.0	297.155	25.5	23.647	0.184	0.464	68.4	0.499	23.7	-4.107	-2.046	26.5	4.589	BF exceeds limit NG
958791.6	15424204.6	1784.5	248.417	154.979	32.0	292.796	25.3	23.300	0.179	0.448	68.2	0.482	23.8	-3.986	-2.007	26.7	4.463	BF exceeds limit NG
958795.5	15424201.4	1784.5	245.664	153.112	31.9	289.472	25.1	23.035	0.177	0.432	67.8	0.467	24.0	-3.866	-1.959	26.9	4.334	BF exceeds limit NG
958799.3	15424198.3	1784.5	243.556	151.682	31.9	286.927	25.0	22.833	0.177	0.419	67.1	0.455	24.5	-3.749	-1.905	26.9	4.206	BF exceeds limit NG
958803.2	15424195.1	1784.4	240.815	149.831	31.9	283.622	24.8	22.570	0.175	0.405	66.7	0.441	24.6	-3.641	-1.866	27.1	4.091	BF exceeds limit NG
958807.1	15424191.9	1784.0	235.887	146.517	31.8	277.687	24.5	22.098	0.162	0.388	67.3	0.421	23.7	-3.546	-1.863	27.7	4.006	BF exceeds limit NG
958810.9	15424188.8	1783.4	229.969	142.556	31.8	270.569	24.2	21.531	0.146	0.370	68.5	0.398	22.2	-3.462	-1.880	28.5	3.939	BF exceeds limit NG
958814.8	15424185.6	1783.2	226.923	140.521	31.8	266.909	24.0	21.240	0.139	0.358	68.8	0.384	21.4	-3.376	-1.864	28.9	3.856	BF exceeds limit NG
958818.7	15424182.4	1783.1	225.765	139.745	31.8	265.515	23.9	21.129	0.138	0.351	68.6	0.377	21.2	-3.292	-1.829	29.1	3.766	BF exceeds limit NG
958822.5	15424179.3	1783.1	225.040	139.259	31.8	264.643	23.8	21.060	0.138	0.346	68.3	0.373	21.2	-3.216	-1.797	29.2	3.684	BF exceeds limit NG
958826.4	15424176.1	1782.8	222.948	137.869	31.7	262.133	23.7	20.860	0.131	0.340	69.0	0.365	20.2	-3.154	-1.792	29.6	3.628	BF exceeds limit NG
958830.3	15424172.9	1782.4	220.923	136.526	31.7	259.704	23.5	20.667	0.122	0.336	70.0	0.358	18.7	-3.101	-1.795	30.1	3.583	BF exceeds limit NG

Max BF along centerline is 550.357 (mG) at 625.000 (ft) from structure 2

Cross section results at max BF along centerline between structures 2 and 3


MAGNETIC FIELD VS. OFFSET RELATIVE TO LINE BETWEEN ST
625 (FT) AHEAD OF STRUCTURE 2
MAGNETIC FIELD (MG)
600
500
400
300
200
100
0
-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140
OFFSET (FT)



3D EMF Point Results Span from 2 to 3:

Measurement			B					H	EF					Space Potential					
X (ft)	Y (ft)	Z (ft)	Real (mG)	Imaginary (mG)	Angle (deg)	Magnitude (mG)	Polarization Axial Ratio %	Magnitude (A/m)	Real (kV/m)	Imaginary (kV/m)	Angle (deg)	Magnitude (kV/m)	Polarization Axial Ratio %	Real (kV)	Imaginary (kV)	Angle (deg)	Magnitude (kV)		
958377.6	15424724.9	1857.3	42.663	19.784	24.9	47.028	0.4	3.742	0.153	0.033	12.2	0.157	1.6	2.054	0.399	11.0	2.093		
958374.4	15424721.0	1857.3	45.984	21.136	24.7	50.609	0.4	4.027	0.168	0.037	12.3	0.172	1.4	2.250	0.444	11.2	2.293		
958371.2	15424717.1	1816.9	46.042	21.265	24.8	50.715	2.5	4.036	0.214	0.045	11.9	0.219	0.5	0.427	0.070	9.4	0.433		
958368.0	15424713.3	1816.8	49.671	22.747	24.6	54.632	2.6	4.347	0.238	0.050	11.9	0.244	0.5	0.476	0.081	9.7	0.483		
958364.9	15424709.4	1817.0	53.806	24.412	24.4	59.085	2.8	4.702	0.266	0.056	12.0	0.272	0.5	0.549	0.098	10.1	0.558		
958361.7	15424705.5	1816.6	58.303	26.207	24.2	63.922	3.1	5.087	0.298	0.063	12.0	0.305	0.5	0.586	0.107	10.3	0.596		
958358.5	15424701.7	1816.1	63.329	28.191	24.0	69.320	3.4	5.516	0.335	0.071	12.0	0.343	0.5	0.616	0.114	10.5	0.627		
958355.4	15424697.8	1815.5	68.954	30.386	23.8	75.353	3.7	5.996	0.379	0.081	12.0	0.387	0.5	0.635	0.120	10.7	0.646		
958352.2	15424693.9	1815.2	75.434	32.876	23.5	82.286	4.0	6.548	0.429	0.091	12.0	0.439	0.5	0.678	0.130	10.9	0.691		
958349.0	15424690.1	1814.8	82.836	35.681	23.3	90.194	4.4	7.177	0.489	0.104	12.0	0.500	0.5	0.729	0.143	11.1	0.743		
958345.9	15424686.2	1814.4	91.229	38.823	23.1	99.146	4.9	7.890	0.559	0.118	11.9	0.572	0.5	0.767	0.153	11.3	0.782		
958342.7	15424682.3	1814.1	100.928	42.403	22.8	109.473	5.4	8.712	0.643	0.135	11.9	0.657	0.6	0.819	0.168	11.6	0.836		
958339.5	15424678.5	1813.9	112.194	46.502	22.5	121.449	6.0	9.665	0.741	0.155	11.8	0.757	0.6	0.890	0.187	11.9	0.910		
958336.4	15424674.6	1814.0	125.761	51.334	22.2	135.834	6.6	10.809	0.857	0.179	11.8	0.876	0.7	1.050	0.226	12.2	1.074		
958333.2	15424670.7	1813.8	141.084	56.768	21.9	152.077	7.4	12.102	0.995	0.207	11.7	1.016	0.7	1.152	0.256	12.5	1.180		
958330.0	15424666.9	1813.9	159.632	63.231	21.6	171.699	8.2	13.663	1.157	0.240	11.7	1.181	0.8	1.357	0.309	12.8	1.392		
958326.8	15424663.0	1813.3	178.868	70.152	21.4	192.133	9.3	15.289	1.343	0.281	11.8	1.372	1.0	1.287	0.311	13.6	1.324		
958323.7	**15424659.1**	**1813.5**	**204.247**	**78.997**	**21.1**	**218.992**	**10.5**	**17.427**	**1.555**	**0.330**	**12.0**	**1.590**	**1.2**	**1.565**	**0.392**	**14.1**	**1.614**	**BF exceeds limit NG**	
958320.5	**15424655.3**	**1813.4**	**231.840**	**88.974**	**21.0**	**248.327**	**12.0**	**19.761**	**1.786**	**0.391**	**12.3**	**1.829**	**1.5**	**1.682**	**0.451**	**15.0**	**1.741**	**BF and EF exceed limits NG**	
958317.3	**15424651.4**	**1813.9**	**267.942**	**101.834**	**20.8**	**286.641**	**13.6**	**22.810**	**2.026**	**0.465**	**12.9**	**2.079**	**2.0**	**2.188**	**0.614**	**15.7**	**2.273**	**BF and EF exceed limits NG**	
958314.2	**15424647.5**	**1813.9**	**304.165**	**116.092**	**20.9**	**325.566**	**15.6**	**25.908**	**2.244**	**0.558**	**14.0**	**2.312**	**2.7**	**2.337**	**0.728**	**17.3**	**2.448**	**BF and EF exceed limits NG**	
958311.0	**15424643.7**	**1813.8**	**342.149**	**132.787**	**21.2**	**367.013**	**17.9**	**29.206**	**2.401**	**0.671**	**15.6**	**2.493**	**3.7**	**2.373**	**0.856**	**19.8**	**2.523**	**BF and EF exceed limits NG**	

958307.8	15424639.8	1813.6	377.100	151.580	21.9	406.424	20.7	32.342	2.441	0.807	18.3	2.571	5.0	2.129	0.953	24.1	2.333	BF and EF exceed limits NG
958304.7	15424635.9	1814.4	426.212	178.238	22.7	461.980	23.9	36.763	2.350	0.964	22.3	2.540	8.5	2.446	1.338	28.7	2.788	BF and EF exceed limits NG
958301.5	15424632.1	1814.3	453.663	204.163	24.2	497.486	27.5	39.589	2.050	1.121	28.7	2.336	12.4	1.840	1.470	38.6	2.355	BF and EF exceed limits NG
958298.3	15424628.2	1814.2	472.463	232.825	26.2	526.715	31.1	41.915	1.587	1.250	38.2	2.020	18.7	1.073	1.553	55.4	1.888	BF and EF exceed limits NG
958295.2	15424624.3	1814.1	478.797	261.685	28.7	545.642	34.4	43.421	1.036	1.306	51.6	1.667	28.1	0.159	1.483	83.9	1.492	BF and EF exceed limits NG
958292.0	15424620.5	1813.9	471.727	286.909	31.3	552.126	36.6	43.937	0.585	1.239	64.7	1.370	40.6	-0.759	1.176	-57.1	1.399	BF exceeds limit NG
958288.8	15424616.6	1813.6	456.707	307.102	33.9	550.357	37.2	43.796	0.672	1.027	56.8	1.227	52.1	-1.527	0.684	-24.1	1.673	BF exceeds limit NG
958285.6	15424612.7	1813.4	437.085	320.692	36.3	542.113	36.2	43.140	1.079	0.702	33.0	1.287	46.6	-2.117	0.062	-1.7	2.118	BF exceeds limit NG
958282.5	15424608.8	1813.3	413.116	324.692	38.2	525.442	33.7	41.813	1.446	0.454	17.4	1.516	31.2	-2.509	-0.632	14.1	2.587	BF exceeds limit NG
958279.3	15424605.0	1813.0	385.454	317.905	39.5	499.638	30.4	39.760	1.704	0.655	21.0	1.825	19.1	-2.685	-1.273	25.4	2.972	BF and EF exceed limits NG
958276.1	15424601.1	1812.7	355.187	301.630	40.3	465.981	26.9	37.082	1.844	1.042	29.5	2.118	11.3	-2.669	-1.744	33.2	3.188	BF and EF exceed limits NG
958273.0	15424597.2	1812.4	322.903	277.938	40.7	426.047	23.5	33.904	1.876	1.359	35.9	2.317	6.6	-2.484	-1.972	38.4	3.171	BF and EF exceed limits NG
958269.8	15424593.4	1812.2	292.320	252.807	40.9	386.474	20.5	30.755	1.822	1.548	40.4	2.391	4.0	-2.322	-2.079	41.8	3.117	BF and EF exceed limits NG
958266.6	15424589.5	1812.3	263.617	227.673	40.8	348.323	17.9	27.719	1.704	1.606	43.3	2.342	2.7	-2.208	-2.135	44.0	3.071	BF and EF exceed limits NG
958263.5	15424585.6	1812.3	235.802	202.204	40.6	310.627	15.6	24.719	1.549	1.561	45.2	2.199	1.7	-2.052	-2.084	45.5	2.925	BF and EF exceed limits NG
958260.3	15424581.8	1812.3	209.385	177.522	40.3	274.510	13.7	21.845	1.377	1.449	46.4	1.999	1.1	-1.837	-1.925	46.3	2.661	BF and EF exceed limits NG
958257.1	15424577.9	1812.2	185.554	155.242	39.9	241.931	12.0	19.252	1.208	1.305	47.2	1.778	0.7	-1.626	-1.734	46.8	2.377	BF and EF exceed limits NG
958254.0	15424574.0	1812.2	164.619	135.821	39.5	213.416	10.6	16.983	1.050	1.154	47.7	1.560	0.5	-1.443	-1.553	47.1	2.120	BF exceeds limit NG
958250.8	15424570.2	1812.2	146.176	118.877	39.1	188.412	9.4	14.993	0.908	1.008	48.0	1.357	0.3	-1.263	-1.362	47.2	1.857	
958247.6	15424566.3	1812.1	130.122	104.314	38.7	166.773	8.4	13.271	0.785	0.876	48.1	1.176	0.3	-1.096	-1.179	47.1	1.610	
958244.5	15424562.4	1811.7	115.834	91.501	38.3	147.614	7.6	11.747	0.678	0.759	48.2	1.017	0.2	-0.894	-0.954	46.9	1.307	
958241.3	15424558.6	1812.2	104.660	81.730	38.0	132.791	6.8	10.567	0.587	0.657	48.2	0.881	0.2	-0.881	-0.939	46.8	1.288	
958238.1	15424554.7	1811.5	93.721	72.177	37.6	118.292	6.2	9.413	0.510	0.571	48.2	0.765	0.2	-0.687	-0.721	46.4	0.996	
958234.9	15424550.8	1811.1	84.522	64.289	37.3	106.194	5.7	8.451	0.444	0.497	48.2	0.666	0.2	-0.557	-0.575	45.9	0.801	
958231.8	15424547.0	1810.6	76.572	57.572	36.9	95.801	5.2	7.624	0.388	0.434	48.2	0.582	0.1	-0.452	-0.457	45.3	0.642	
958228.6	15424543.1	1810.7	69.917	52.043	36.7	87.160	4.8	6.936	0.341	0.381	48.2	0.511	0.1	-0.412	-0.412	45.0	0.583	
958225.4	15424539.2	1810.7	64.065	47.239	36.4	79.598	4.4	6.334	0.300	0.335	48.1	0.450	0.1	-0.379	-0.375	44.7	0.533	
958222.3	15424535.4	1810.7	58.880	43.029	36.2	72.927	4.0	5.803	0.266	0.296	48.1	0.398	0.1	-0.346	-0.340	44.4	0.485	
958219.1	15424531.5	1810.8	54.312	39.362	35.9	67.076	3.7	5.338	0.236	0.263	48.1	0.353	0.1	-0.324	-0.315	44.2	0.452	
958215.9	15424527.6	1810.9	50.243	36.128	35.7	61.884	3.5	4.925	0.210	0.234	48.1	0.315	0.1	-0.304	-0.294	44.0	0.423	
958212.8	15424523.8	1810.8	46.566	33.231	35.5	57.207	3.2	4.552	0.188	0.210	48.1	0.282	0.2	-0.277	-0.264	43.6	0.383	
958209.6	15424519.9	1810.6	43.242	30.636	35.3	52.995	3.0	4.217	0.169	0.188	48.1	0.253	0.2	-0.245	-0.230	43.1	0.336	
958206.4	15424516.0	1810.6	40.309	28.370	35.1	49.292	2.8	3.923	0.152	0.170	48.2	0.228	0.2	-0.230	-0.214	42.9	0.314	
958203.3	15424512.2	1810.7	37.670	26.348	35.0	45.970	2.6	3.658	0.137	0.154	48.2	0.206	0.2	-0.218	-0.202	42.7	0.297	
958200.1	15424508.3	1810.8	35.279	24.531	34.8	42.970	2.5	3.419	0.124	0.139	48.3	0.187	0.3	-0.207	-0.190	42.6	0.282	

Critical Energy/Electric Infrastructure Information (CEII) Has Been Redacted From This Document

PLS-CADD Version 20.01x64 9:47:25 AM Thursday, February 27, 2025
Quanta Services - Dashiell
Project Name: 'C:\projects\L68\0026-0068-700 REV 0-0E PLS CADD MODEL.don'
Line Title: 'PROPOSED L723 AND PROPOSED L68 MERGED'

3D EMF Calculation Notes:
1) Calculations based on the EPRI Red Book methods (3rd Edition, 2005 - 7.4 Calculation of Magnetic Fields and Appendices 7.1 Calculation of Field Ellipse Parameters and 7.6 Electric Field Calculations for 3D Geometry).
2) All wire positions are modeled at the specified weather case and wind direction. Height above ground determined by the modeled ground TIN.
3) Only the effects of wires are being analyzed. The effects of structures are not included unless enabled as noted below.
4) Ground return is being ignored for magnetic field calculations.

Meter height above ground:	3.28 (ft)
Maximum wire distance:	500.00 (ft)
Maximum cable segment size:	5.00 (ft)
Cross section offset +/-:	140.00 (ft)
Result interval:	5.00 (ft)
Electric field limit:	1.60 (kV/m)
Magnetic field limit:	200.00 (mG)
Space potential limit:	0.00 (kV)
Contour Map Spacing:	15 (ft)
Analyzing spans between these structures:	64 - 65

One or more sections have wind from both directions which is not supported. A wind direction of left is being used for those sections.

Section Data for 3D EMF Results:

Section Number	Section Note	Voltage Ph-Ph (kV)	Current (Amps)	Cable Filename	Cable Description	Conductors Per Phase	Bundle Diameter (in)	Cable Radius (in)	Weather Case	Condition	Wind Dir.	WC Temperature (deg F)	Effective Radius (in)
25		0.0	0.0	7no_7_alumoweld - 5750.wir	7#7 Alumoweld 7 Strands Alumoweld - Adapted from 1970's Publicly Available Data	1	0.000	0.216	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.216
55		0.0	0.0	TF-DNO-11467 - 6750.wir	AFL OPGW DNO-11467 S4-53/61/583	1	0.000	0.291	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.291
75		230.0	[redacted]	bunting_acsr - 12,000 lbs.wir	1192.5 kcmil 45/7 Strands BUNTING ACSR - Adapted from 1970's Publicly Available Data	2	18.000	0.651	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	3.423

Centerline results between structures 64 and 65

3D EMF Point Results Centerline from 64 to 65:

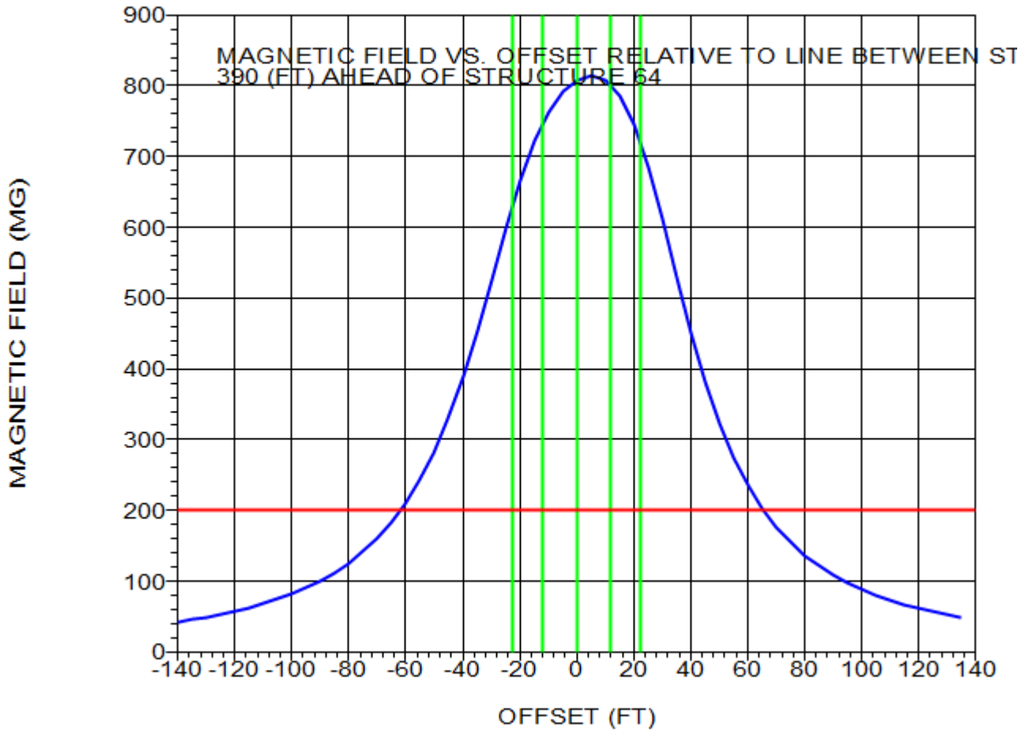
Measurement X (ft)	Y (ft)	Z (ft)	B Real (mG)	B Imaginary (mG)	B Angle (deg)	B Magnitude (mG)	B Polarization Axial Ratio %	H Magnitude (A/m)	EF Real (kV/m)	EF Imaginary (kV/m)	EF Angle (deg)	EF Magnitude (kV/m)	EF Polarization Axial Ratio %	Space Potential Real (kV)	Space Potential Imaginary (kV)	Space Potential Angle (deg)	Space Potential Magnitude (kV)		
994507.8	15392747.6	1282.6	250.657	156.618	32.0	295.564	25.6	23.520	0.300	0.209	34.8	0.365	48.4	1.128	1.017	42.0	1.518	BF exceeds limit	NG
994511.8	15392744.6	1283.3	251.626	157.275	32.0	296.734	25.7	23.613	0.305	0.211	34.7	0.371	49.1	1.139	1.014	41.7	1.525	BF exceeds limit	NG
994515.8	15392741.6	1283.9	252.245	157.695	32.0	297.482	25.7	23.673	0.308	0.214	34.8	0.375	48.5	1.157	1.009	41.1	1.535	BF exceeds limit	NG
994519.8	15392738.5	1284.3	252.399	157.799	32.0	297.667	25.7	23.688	0.307	0.217	35.2	0.376	46.3	1.182	0.999	40.2	1.548	BF exceeds limit	NG
994523.8	15392735.5	1285.1	255.405	159.840	32.0	301.298	25.9	23.977	0.318	0.225	35.3	0.390	47.7	1.185	1.011	40.5	1.558	BF exceeds limit	NG
994527.8	15392732.5	1285.6	257.207	161.065	32.1	303.476	26.0	24.150	0.323	0.232	35.7	0.397	46.7	1.202	1.013	40.1	1.572	BF exceeds limit	NG
994531.7	15392729.5	1286.1	259.562	162.668	32.1	306.322	26.1	24.376	0.329	0.240	36.1	0.407	46.1	1.215	1.020	40.0	1.586	BF exceeds limit	NG
994535.7	15392726.5	1286.7	262.625	164.757	32.1	310.027	26.3	24.671	0.337	0.249	36.5	0.419	46.0	1.223	1.031	40.1	1.600	BF exceeds limit	NG
994539.7	15392723.5	1287.3	266.040	167.092	32.1	314.161	26.5	25.000	0.346	0.259	36.8	0.432	46.2	1.229	1.046	40.4	1.614	BF exceeds limit	NG
994543.7	15392720.5	1287.9	269.751	169.635	32.2	318.656	26.8	25.358	0.355	0.270	37.2	0.446	46.5	1.234	1.062	40.7	1.628	BF exceeds limit	NG
994547.7	15392717.5	1288.4	273.709	172.355	32.2	323.455	27.0	25.740	0.366	0.281	37.5	0.461	46.9	1.236	1.081	41.2	1.642	BF exceeds limit	NG
994551.7	15392714.5	1288.9	276.718	174.427	32.2	327.105	27.2	26.030	0.372	0.290	38.0	0.472	45.8	1.249	1.090	41.1	1.658	BF exceeds limit	NG
994555.7	15392711.4	1289.3	279.011	176.009	32.2	329.889	27.3	26.252	0.375	0.299	38.6	0.480	43.7	1.269	1.093	40.7	1.675	BF exceeds limit	NG
994559.7	15392708.4	1289.6	281.366	177.637	32.3	332.749	27.4	26.479	0.378	0.308	39.2	0.488	41.4	1.290	1.095	40.3	1.692	BF exceeds limit	NG
994563.7	15392705.4	1290.0	283.875	179.374	32.3	335.798	27.6	26.722	0.382	0.318	39.7	0.497	39.3	1.310	1.098	40.0	1.710	BF exceeds limit	NG
994567.7	15392702.4	1290.4	286.447	181.158	32.3	338.925	27.7	26.971	0.387	0.328	40.3	0.507	37.1	1.332	1.101	39.6	1.728	BF exceeds limit	NG
994571.7	15392699.4	1290.8	289.880	183.544	32.3	343.101	27.9	27.303	0.394	0.339	40.7	0.520	35.9	1.346	1.112	39.6	1.746	BF exceeds limit	NG
994575.7	15392696.4	1291.6	295.893	187.739	32.4	350.426	28.3	27.886	0.411	0.354	40.7	0.542	38.0	1.336	1.148	40.7	1.761	BF exceeds limit	NG
994579.7	15392693.4	1292.3	302.035	192.040	32.4	357.917	28.6	28.482	0.428	0.369	40.7	0.565	39.9	1.325	1.185	41.8	1.778	BF exceeds limit	NG
994583.6	15392690.4	1292.9	307.245	195.705	32.5	364.280	28.9	28.988	0.442	0.383	40.9	0.584	40.5	1.324	1.213	42.5	1.796	BF exceeds limit	NG
994587.6	15392687.4	1293.4	311.447	198.671	32.5	369.417	29.2	29.397	0.451	0.395	41.2	0.600	39.8	1.332	1.231	42.7	1.814	BF exceeds limit	NG
994591.6	15392684.4	1293.9	315.651	201.647	32.6	374.562	29.4	29.807	0.461	0.408	41.5	0.616	39.0	1.341	1.248	42.9	1.832	BF exceeds limit	NG

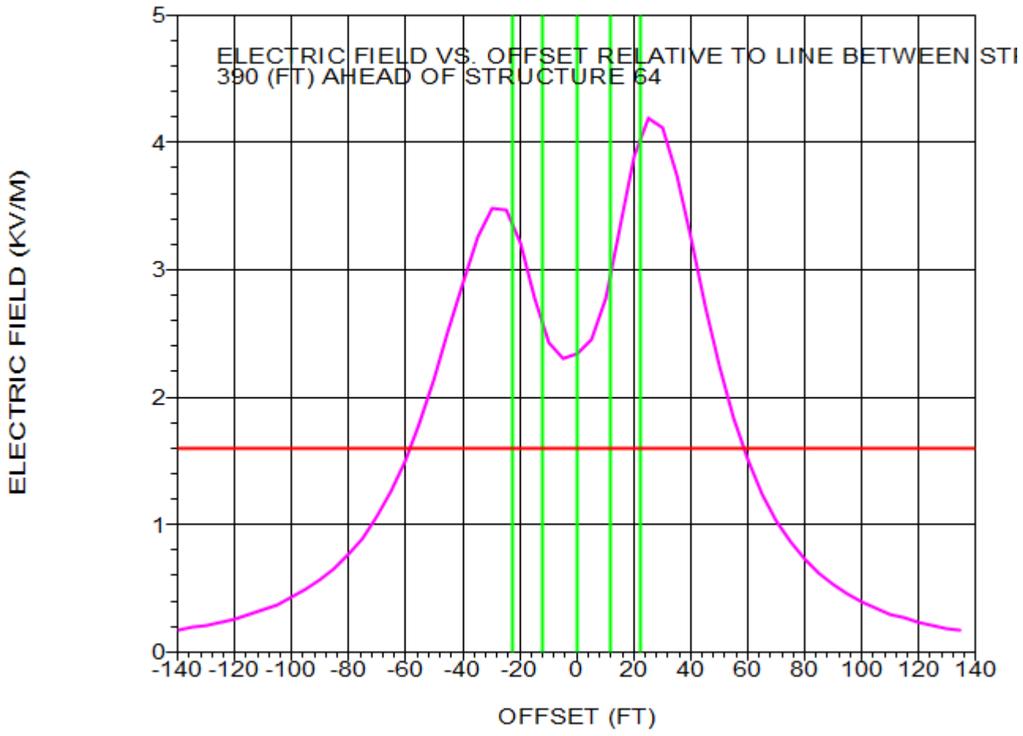
994595.6	15392681.3	1294.5	319.850	204.628	32.6	379.706	29.7	30.216	0.470	0.421	41.8	0.631	38.2	1.350	1.263	43.1	1.849	BF exceeds limit NG
994599.6	15392678.3	1295.0	324.217	207.739	32.6	385.061	29.9	30.642	0.480	0.435	42.2	0.648	37.5	1.358	1.278	43.3	1.864	BF exceeds limit NG
994603.6	15392675.3	1295.6	328.842	211.043	32.7	390.738	30.2	31.094	0.491	0.450	42.5	0.666	37.0	1.363	1.292	43.5	1.879	BF exceeds limit NG
994607.6	15392672.3	1296.1	333.460	214.354	32.7	396.413	30.4	31.546	0.502	0.467	42.9	0.685	36.4	1.369	1.304	43.6	1.891	BF exceeds limit NG
994611.6	15392669.3	1296.7	338.065	217.668	32.8	402.078	30.7	31.996	0.512	0.484	43.4	0.705	35.7	1.377	1.312	43.6	1.902	BF exceeds limit NG
994615.6	15392666.3	1297.2	342.652	220.979	32.8	407.728	31.0	32.446	0.523	0.502	43.8	0.725	34.8	1.386	1.316	43.5	1.911	BF exceeds limit NG
994619.6	15392663.3	1297.8	347.216	224.284	32.9	413.355	31.2	32.894	0.534	0.521	44.3	0.746	33.8	1.396	1.316	43.3	1.919	BF exceeds limit NG
994623.6	15392660.3	1298.4	351.751	227.580	32.9	418.953	31.5	33.339	0.545	0.542	44.8	0.768	32.6	1.407	1.314	43.0	1.925	BF exceeds limit NG
994627.6	15392657.3	1299.1	358.338	232.386	33.0	427.094	31.9	33.987	0.563	0.565	45.1	0.798	33.2	1.398	1.334	43.7	1.932	BF exceeds limit NG
994631.6	15392654.3	1299.9	366.782	238.580	33.0	437.550	32.3	34.819	0.587	0.592	45.2	0.834	35.3	1.369	1.377	45.2	1.941	BF exceeds limit NG
994635.5	15392651.2	1300.7	375.375	244.924	33.1	448.212	32.8	35.668	0.612	0.619	45.3	0.870	37.2	1.337	1.424	46.8	1.953	BF exceeds limit NG
994639.5	15392648.2	1301.6	384.110	251.415	33.2	459.075	33.3	36.532	0.637	0.646	45.4	0.907	39.0	1.303	1.476	48.6	1.969	BF exceeds limit NG
994643.5	15392645.2	1302.4	392.497	257.687	33.3	469.528	33.8	37.364	0.660	0.672	45.5	0.942	40.3	1.271	1.528	50.2	1.987	BF exceeds limit NG
994647.5	15392642.2	1302.8	395.093	259.637	33.3	472.768	33.9	37.622	0.662	0.689	46.1	0.955	37.4	1.300	1.509	49.3	1.992	BF exceeds limit NG
994651.5	15392639.2	1303.6	403.517	265.990	33.4	483.298	34.4	38.460	0.685	0.714	46.2	0.989	38.6	1.268	1.570	51.1	2.018	BF exceeds limit NG
994655.5	15392636.2	1304.2	408.274	269.596	33.4	489.254	34.7	38.934	0.694	0.733	46.5	1.009	37.3	1.275	1.587	51.2	2.035	BF exceeds limit NG
994659.5	15392633.2	1304.8	413.224	273.362	33.5	495.460	34.9	39.427	0.705	0.751	46.8	1.030	36.0	1.283	1.608	51.4	2.057	BF exceeds limit NG
994663.5	15392630.2	1305.4	418.106	277.092	33.5	501.590	35.2	39.915	0.716	0.770	47.1	1.052	34.6	1.294	1.630	51.6	2.081	BF exceeds limit NG
994667.5	15392627.2	1306.0	422.916	280.779	33.6	507.636	35.5	40.396	0.727	0.790	47.4	1.074	33.1	1.310	1.650	51.6	2.107	BF exceeds limit NG
994671.5	15392624.1	1306.6	428.517	285.090	33.6	514.688	35.8	40.958	0.742	0.812	47.6	1.100	32.0	1.321	1.680	51.8	2.137	BF exceeds limit NG
994675.5	15392621.1	1307.3	435.659	290.435	33.7	523.594	36.1	41.666	0.760	0.836	47.8	1.130	31.4	1.321	1.736	52.7	2.182	BF exceeds limit NG
994679.5	15392618.1	1308.0	442.132	295.461	33.8	531.769	36.5	42.317	0.778	0.863	47.9	1.162	30.7	1.331	1.770	53.1	2.215	BF exceeds limit NG
994683.4	15392615.1	1308.7	448.561	300.477	33.8	539.901	36.8	42.964	0.797	0.891	48.2	1.196	29.8	1.345	1.799	53.2	2.246	BF exceeds limit NG
994687.4	15392612.1	1309.4	454.937	305.477	33.9	547.982	37.2	43.607	0.817	0.921	48.4	1.231	28.8	1.362	1.823	53.2	2.275	BF exceeds limit NG
994691.4	15392609.1	1310.4	467.459	315.369	34.0	563.894	37.9	44.873	0.858	0.962	48.3	1.289	31.2	1.311	1.930	55.8	2.334	BF exceeds limit NG
994695.4	15392606.1	1311.3	477.241	323.165	34.1	576.363	38.4	45.866	0.890	1.001	48.3	1.339	31.9	1.292	1.996	57.1	2.378	BF exceeds limit NG
994699.4	15392603.1	1312.0	483.489	328.176	34.2	584.347	38.8	46.501	0.910	1.034	48.7	1.377	30.7	1.313	2.008	56.8	2.400	BF exceeds limit NG
994703.4	15392600.1	1312.9	494.140	336.775	34.3	597.990	39.4	47.587	0.945	1.076	48.7	1.432	31.8	1.281	2.086	58.4	2.448	BF exceeds limit NG
994707.4	15392597.1	1313.8	504.908	345.544	34.4	611.828	40.0	48.688	0.981	1.117	48.7	1.486	32.9	1.245	2.167	60.1	2.499	BF exceeds limit NG
994711.4	15392594.0	1314.7	515.787	354.480	34.5	625.854	40.6	49.804	1.016	1.159	48.7	1.541	34.1	1.202	2.254	61.9	2.554	BF exceeds limit NG
994715.4	15392591.0	1315.5	524.336	361.558	34.6	636.909	41.1	50.684	1.043	1.195	48.9	1.587	34.2	1.182	2.310	62.9	2.595	BF exceeds limit NG
994719.4	15392588.0	1316.2	529.668	365.997	34.6	643.818	41.4	51.233	1.058	1.225	49.2	1.619	33.2	1.196	2.320	62.7	2.610	BF and EF exceed limits NG
994723.4	15392585.0	1316.9	535.795	371.122	34.7	651.773	41.8	51.866	1.076	1.255	49.4	1.653	32.5	1.196	2.349	63.0	2.635	BF and EF exceed limits NG
994727.4	15392582.0	1317.5	540.364	374.960	34.8	657.714	42.0	52.339	1.088	1.282	49.7	1.682	31.3	1.211	2.357	62.8	2.650	BF and EF exceed limits NG
994731.4	15392579.0	1318.1	544.830	378.726	34.8	663.530	42.3	52.802	1.100	1.307	49.9	1.709	30.2	1.225	2.370	62.7	2.668	BF and EF exceed limits NG
994735.3	15392576.0	1319.1	557.474	389.464	34.9	680.044	43.0	54.116	1.142	1.346	49.7	1.765	32.4	1.136	2.523	65.8	2.767	BF and EF exceed limits NG
994739.3	15392573.0	1319.9	565.755	396.557	35.0	690.895	43.5	54.980	1.167	1.376	49.7	1.804	32.9	1.097	2.612	67.2	2.833	BF and EF exceed limits NG
994743.3	15392570.0	1320.5	568.738	399.124	35.1	694.812	43.6	55.291	1.173	1.394	49.9	1.821	31.5	1.118	2.621	66.9	2.849	BF and EF exceed limits NG
994747.3	15392567.0	1321.1	571.516	401.520	35.1	698.462	43.8	55.582	1.178	1.411	50.1	1.838	30.1	1.141	2.629	66.5	2.866	BF and EF exceed limits NG
994751.3	15392563.9	1321.7	574.085	403.741	35.1	701.841	43.9	55.851	1.182	1.428	50.4	1.854	28.7	1.165	2.634	66.1	2.880	BF and EF exceed limits NG
994755.3	15392560.9	1322.4	579.858	408.749	35.2	709.444	44.3	56.456	1.199	1.452	50.4	1.883	28.5	1.151	2.691	66.8	2.927	BF and EF exceed limits NG
994759.3	15392557.9	1323.1	584.577	412.862	35.2	715.672	44.5	56.951	1.213	1.475	50.6	1.910	28.0	1.152	2.727	67.1	2.960	BF and EF exceed limits NG
994763.3	15392554.9	1324.0	592.981	420.225	35.3	726.784	45.0	57.836	1.242	1.508	50.5	1.953	28.8	1.111	2.819	68.5	3.030	BF and EF exceed limits NG
994767.3	15392551.9	1324.6	595.673	422.596	35.4	730.352	45.2	58.120	1.251	1.531	50.7	1.977	27.6	1.143	2.811	67.9	3.034	BF and EF exceed limits NG
994771.3	15392548.9	1325.2	597.586	424.283	35.4	732.888	45.3	58.321	1.259	1.555	51.0	2.001	26.1	1.188	2.783	66.9	3.026	BF and EF exceed limits NG
994775.3	15392545.9	1326.1	605.344	431.154	35.5	743.192	45.8	59.141	1.289	1.590	51.0	2.047	26.7	1.163	2.850	67.8	3.079	BF and EF exceed limits NG
994779.3	15392542.9	1327.0	614.945	439.720	35.6	755.983	46.3	60.159	1.327	1.630	50.8	2.102	28.0	1.114	2.948	69.3	3.151	BF and EF exceed limits NG
994783.3	15392539.9	1327.9	625.216	448.961	35.7	769.715	46.9	61.252	1.368	1.671	50.7	2.159	29.4	1.054	3.057	71.0	3.234	BF and EF exceed limits NG
994787.2	15392536.8	1328.4	623.193	447.135	35.7	767.006	46.8	61.036	1.363	1.686	51.1	2.168	27.2	1.145	2.955	68.8	3.168	BF and EF exceed limits NG
994791.2	15392533.8	1329.4	635.603	458.391	35.8	783.654	47.5	62.361	1.410	1.729	50.8	2.231	29.6	1.042	3.108	71.5	3.278	BF and EF exceed limits NG
994795.2	15392530.8	1330.4	646.120	468.025	35.9	797.821	48.2	63.489	1.450	1.768	50.6	2.286	31.6	0.953	3.233	73.6	3.370	BF and EF exceed limits NG
994799.2	15392527.8	1330.9	644.429	466.470	35.9	795.540	48.1	63.307	1.443	1.777	50.9	2.289	30.2	1.010	3.149	72.2	3.307	BF and EF exceed limits NG
994803.2	15392524.8	1331.4	641.619	463.891	35.9	791.751	47.9	63.006	1.431	1.782	51.2	2.285	28.6	1.070	3.051	70.7	3.234	BF and EF exceed limits NG
994807.2	15392521.8	1332.4	650.758	472.302	36.0	804.087	48.4	63.987	1.464	1.809	51.0	2.327	30.8	0.965	3.176	73.1	3.320	BF and EF exceed limits NG
994811.2	15392518.8	1333.0	651.584	473.065	36.0	805.203	48.5	64.076	1.465	1.815	51.1	2.332	30.8	0.957	3.163	73.2	3.305	BF and EF exceed limits NG
994815.2	15392515.8	1333.7	652.539	473.949	36.0	806.495	48.5	64.179	1.466	1.818	51.1	2.335	31.1	0.936	3.163	73.5	3.299	BF and EF exceed limits NG
994819.2	15392512.8	1334.4	654.143	475.434	36.0	808.666	48.6	64.352	1.469	1.819	51.1	2.338	31.8	0.895	3.187	74.3	3.310	BF and EF exceed limits NG
994823.2	15392509.8	1335.0	651.932	473.387	36.0	805.674	48.5	64.113	1.457	1.808	51.1	2.321	31.6	0.893	3.152	74.2	3.276	BF and EF exceed limits NG
994827.2	15392506.7	1335.5	648.263	469.999	35.9	800.715	48.3	63.719	1.438	1.791	51.2	2.297	31.3	0.900	3.101	73.8	3.228	BF and EF exceed limits NG
994831.2	15392503.7	1336.1	644.287	466.339	35.9	795.348	48.1	63.292	1.419	1.772	51.3	2.270	31.0	0.901	3.051	73.5	3.181	BF and EF exceed limits NG
994835.2	15392500.7	1336.6	640.083	462.484	35.8	789.682	47.8	62.841	1.399	1.752	51.4	2.242	30.9	0.898	3.002	73.4	3.133	BF and EF exceed limits NG
994839.1	15392497.7	1337.2	636.392	459.111	35.8	784.715	47.6	62.446	1.381	1.732	51.4	2.215	31.2	0.881	2.968	73.5	3.096	BF and EF exceed limits NG
994843.1	15392494.7	1337.8	633.940	456.875	35.8	781.418	47.4	62.183	1.369	1.714	51.4	2.193	32.0	0.843	2.961	74.1	3.078	BF and EF exceed limits NG
994847.1	15392491.7	1338.4	631.245	454.424	35.7	777.799	47.3	61.895	1.357	1.693	51.3	2.170	33.0	0.805	2.954	74.8	3.062	BF and EF exceed limits NG
994851.1	15392488.7	1338.9	626.003	449.672	35.7	770.769	47.0	61.336	1.336	1.665	51.3	2.135	33.4	0.797	2.908	74.7	3.015	BF and EF exceed limits NG
994855.1	15392485.7	1339.3	615.884	440.560	35.6	757.236	46.4	60.259	1.297	1.625	51.4	2.080	32.5	0.847	2.784	73.1	2.910	BF and EF exceed limits NG
994859.1	15392482.7	1339.8	608.470	433.934	35.5	747.351	45.9	59.472	1.271	1.590	51.4	2.036	32.6	0.864	2.713	72.3	2.848	BF and EF exceed limits NG
994863.1	15392479.7	1340.5	607.538	433.103	35.5	746.110	45.9	59.374	1.272	1.568	51.0	2.019	35.0	0.802	2.759	73.8	2.874	BF and EF exceed limits NG
994867.1	15392476.6	1340.9	598.435	425.031	35.4	734.014	45.4	58.411	1.242	1.528	50.9	1.969	35.0	0.841	2.671	72.5	2.800	BF and EF exceed limits NG
994871.1	15392473.6	1341.2	585.537	413.699	35.2	716.938	44.6	57.052	1.198	1.478	51.0	1.903	33.7	0.925	2.524	69.9	2.688	BF and EF exceed limits NG
994875.1	15392470.6	1341.7	578.729	407.766	35.2	707.955	44.2	56.337	1.180	1.442	50.7	1.863	34.8	0.935	2.486	69.4	2.656	BF and EF exceed limits NG
994879.1	15392467.6	1342.2	571.801	401.764	35.1	698.835	43.8	55.612	1.161	1.404	50.4	1.822	36.0	0.945	2.451	68.9	2.627	BF and EF exceed limits NG
994883.1	15392464.6	1342.8	565.337	396.196	35.0	690.346	43.4	54.936	1.145	1.368	50.1	1.784	37.5	0.950	2.429	68.6	2.608	BF and EF exceed limits NG
994887.1	15392461.6	1343.2	555.824	388.054	34.9	677.883	42.9	53.944	1.117	1.323	49.8	1.732	38.1	0.989	2.364	67.3	2.563	BF and EF exceed limits NG

994891.0	15392458.6	1343.5	544.853	378.744	34.8	663.561	42.3	52.804	1.084	1.275	49.6	1.673	38.2	1.045	2.283	65.4	2.511	BF and EF exceed limits NG
994895.0	15392455.6	1343.8	532.628	368.468	34.7	647.658	41.6	51.539	1.046	1.224	49.5	1.610	37.9	1.117	2.191	63.0	2.459	BF and EF exceed limits NG
994899.0	15392452.6	1344.1	519.558	357.594	34.5	630.725	40.8	50.192	1.006	1.172	49.3	1.544	37.1	1.200	2.092	60.2	2.412	BF exceeds limit NG
994903.0	15392449.6	1344.5	510.360	350.011	34.4	618.850	40.3	49.246	0.983	1.127	48.9	1.495	38.0	1.243	2.063	58.9	2.408	BF exceeds limit NG
994907.0	15392446.5	1345.0	503.343	344.481	34.4	609.935	40.0	48.537	0.973	1.088	48.2	1.460	40.3	1.241	2.103	59.5	2.441	BF exceeds limit NG
994911.0	15392443.5	1345.3	490.422	333.971	34.3	593.338	39.3	47.216	0.938	1.036	47.8	1.398	39.6	1.336	2.028	56.6	2.429	BF exceeds limit NG
994915.0	15392440.5	1345.8	484.476	329.167	34.2	585.720	38.9	46.610	0.932	0.998	46.9	1.366	42.3	1.354	2.065	56.7	2.469	BF exceeds limit NG
994919.0	15392437.5	1346.1	472.795	319.803	34.1	570.797	38.3	45.423	0.904	0.948	46.3	1.310	42.1	1.441	2.022	54.5	2.483	BF exceeds limit NG
994923.0	15392434.5	1346.4	461.430	310.773	34.0	556.325	37.6	44.271	0.878	0.899	45.7	1.257	42.2	1.527	1.990	52.5	2.509	BF exceeds limit NG
994927.0	15392431.5	1346.7	450.570	302.220	33.9	542.541	37.0	43.174	0.854	0.851	44.9	1.206	42.4	1.608	1.970	50.8	2.543	BF exceeds limit NG
994931.0	15392428.5	1347.0	439.393	293.493	33.7	528.398	36.4	42.049	0.830	0.804	44.1	1.155	42.4	1.692	1.950	49.0	2.581	BF exceeds limit NG
994935.0	15392425.5	1347.1	424.776	282.194	33.6	509.969	35.6	40.582	0.791	0.751	43.5	1.091	40.2	1.816	1.886	46.1	2.618	BF exceeds limit NG
994939.0	15392422.5	1347.4	414.601	274.403	33.5	497.183	35.0	39.565	0.770	0.708	42.6	1.046	40.6	1.886	1.885	45.0	2.667	BF exceeds limit NG
994942.9	15392419.4	1347.7	405.233	267.282	33.4	485.442	34.5	38.630	0.752	0.667	41.6	1.006	41.4	1.946	1.895	44.2	2.716	BF exceeds limit NG
994946.9	15392416.4	1348.1	396.791	260.908	33.3	474.886	34.0	37.790	0.738	0.629	40.4	0.970	42.8	1.992	1.918	43.9	2.765	BF exceeds limit NG
994950.9	15392413.4	1348.3	385.298	252.297	33.2	460.552	33.4	36.650	0.711	0.586	39.5	0.921	41.9	2.072	1.904	42.6	2.814	BF exceeds limit NG
994954.9	15392410.4	1348.5	374.233	244.077	33.1	446.793	32.7	35.555	0.685	0.545	38.5	0.876	41.1	2.145	1.898	41.5	2.864	BF exceeds limit NG
994958.9	15392407.4	1348.7	363.513	236.176	33.0	433.498	32.1	34.497	0.661	0.505	37.4	0.832	40.3	2.211	1.898	40.6	2.914	BF exceeds limit NG
994962.9	15392404.4	1348.8	352.424	228.070	32.9	419.784	31.5	33.405	0.634	0.465	36.3	0.787	38.9	2.280	1.895	39.7	2.965	BF exceeds limit NG
994966.9	15392401.4	1349.0	341.639	220.249	32.8	406.481	30.9	32.347	0.608	0.427	35.1	0.743	37.3	2.344	1.898	39.0	3.016	BF exceeds limit NG
994970.9	15392398.4	1349.2	331.777	213.150	32.7	394.346	30.3	31.381	0.586	0.391	33.8	0.704	36.1	2.396	1.910	38.6	3.064	BF exceeds limit NG
994974.9	15392395.4	1349.4	322.213	206.315	32.6	382.606	29.8	30.447	0.564	0.357	32.4	0.668	34.8	2.443	1.925	38.2	3.110	BF exceeds limit NG
994978.9	15392392.4	1349.5	312.574	199.473	32.5	370.799	29.2	29.507	0.542	0.324	30.9	0.632	33.0	2.491	1.937	37.9	3.155	BF exceeds limit NG
994982.9	15392389.3	1349.6	302.171	192.142	32.5	358.086	28.6	28.496	0.517	0.292	29.5	0.594	30.0	2.548	1.941	37.3	3.203	BF exceeds limit NG
994986.9	15392386.3	1349.6	291.983	185.015	32.4	345.665	28.1	27.507	0.493	0.261	28.0	0.558	26.8	2.603	1.945	36.8	3.249	BF exceeds limit NG
994990.9	15392383.3	1349.8	284.176	179.588	32.3	336.166	27.6	26.751	0.476	0.236	26.3	0.532	25.6	2.628	1.964	36.8	3.281	BF exceeds limit NG
994994.8	15392380.3	1350.1	276.598	174.349	32.2	326.961	27.2	26.019	0.461	0.212	24.7	0.507	24.3	2.650	1.980	36.8	3.308	BF exceeds limit NG
994998.8	15392377.3	1350.3	269.350	169.364	32.2	318.172	26.7	25.319	0.446	0.190	23.1	0.485	23.1	2.668	1.993	36.8	3.330	BF exceeds limit NG
995002.8	15392374.3	1350.5	262.334	164.562	32.1	309.677	26.3	24.643	0.432	0.171	21.5	0.465	22.0	2.683	2.002	36.7	3.348	BF exceeds limit NG
995006.8	15392371.3	1350.8	255.533	159.931	32.0	301.455	25.9	23.989	0.418	0.152	20.0	0.445	20.8	2.695	2.008	36.7	3.361	BF exceeds limit NG
995010.8	15392368.3	1351.0	248.527	155.181	32.0	292.996	25.5	23.316	0.403	0.135	18.5	0.425	19.3	2.709	2.008	36.6	3.372	BF exceeds limit NG
995014.8	15392365.3	1351.2	241.551	150.475	31.9	284.587	25.1	22.647	0.388	0.119	17.1	0.406	17.6	2.722	2.005	36.4	3.381	BF exceeds limit NG
995018.8	15392362.3	1351.3	234.888	146.002	31.9	276.567	24.7	22.008	0.373	0.105	15.7	0.388	16.0	2.731	2.000	36.2	3.385	BF exceeds limit NG
995022.8	15392359.2	1351.6	229.260	142.240	31.8	269.801	24.3	21.470	0.362	0.093	14.4	0.373	15.4	2.727	1.997	36.2	3.380	BF exceeds limit NG
995026.8	15392356.2	1351.8	223.106	138.141	31.8	262.410	24.0	20.882	0.347	0.080	13.0	0.357	13.9	2.731	1.989	36.1	3.378	BF exceeds limit NG
995030.8	15392353.2	1352.0	217.617	134.500	31.7	255.827	23.6	20.358	0.335	0.070	11.7	0.342	12.9	2.727	1.982	36.0	3.371	BF exceeds limit NG
995034.8	15392350.2	1352.3	212.530	131.139	31.7	249.733	23.3	19.873	0.324	0.060	10.4	0.329	12.0	2.719	1.975	36.0	3.360	BF exceeds limit NG
995038.8	15392347.2	1352.5	207.699	127.956	31.6	243.950	23.0	19.413	0.312	0.050	9.2	0.316	11.1	2.710	1.968	36.0	3.349	BF exceeds limit NG
995042.8	15392344.2	1352.8	203.454	125.169	31.6	238.874	22.7	19.009	0.303	0.042	7.9	0.306	10.3	2.696	1.963	36.1	3.335	BF exceeds limit NG
995046.7	15392341.2	1353.3	200.345	123.133	31.6	235.160	22.5	18.713	0.296	0.035	6.8	0.299	10.1	2.672	1.959	36.3	3.313	BF exceeds limit NG
995050.7	15392338.2	1353.5	195.958	120.266	31.5	229.920	22.3	18.296	0.285	0.028	5.6	0.287	8.5	2.669	1.955	36.2	3.309	BF exceeds limit NG
995054.7	15392335.2	1353.5	190.838	116.931	31.5	223.812	21.9	17.810	0.272	0.022	4.6	0.272	7.0	2.681	1.953	36.1	3.317	BF exceeds limit NG
995058.7	15392332.1	1353.5	186.186	113.911	31.5	218.268	21.6	17.369	0.259	0.021	4.5	0.260	7.4	2.694	1.954	36.0	3.328	BF exceeds limit NG
995062.7	15392329.1	1353.6	182.909	111.788	31.4	214.364	21.4	17.059	0.251	0.021	4.9	0.252	8.4	2.696	1.958	36.0	3.332	BF exceeds limit NG
995066.7	15392326.1	1354.1	181.709	111.013	31.4	212.937	21.3	16.945	0.250	0.019	4.4	0.251	7.6	2.680	1.963	36.2	3.322	BF exceeds limit NG
995070.7	15392323.1	1354.1	177.938	108.577	31.4	208.449	21.1	16.588	0.241	0.027	6.4	0.242	11.0	2.706	1.972	36.1	3.349	BF exceeds limit NG

Max EF along centerline is 2.338 (kV/m) at 390.000 (ft) from structure 64

Cross section results at max EF along centerline between structures 64 and 65


MAGNETIC FIELD VS. OFFSET RELATIVE TO LINE BETWEEN ST
390 (FT) AHEAD OF STRUCTURE 64
MAGNETIC FIELD (MG)
900
800
700
600
500
400
300
200
100
0
-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140
OFFSET (FT)



3D EMF Point Results Span from 64 to 65:

Measurement X (ft)	Measurement Y (ft)	Measurement Z (ft)	B Real (mG)	B Imaginary (mG)	B Angle (deg)	B Magnitude (mG)	B Polarization Axial Ratio %	H Magnitude (A/m)	EF Real (kV/m)	EF Imaginary (kV/m)	EF Angle (deg)	EF Magnitude (kV/m)	EF Polarization Axial Ratio %	Space Potential Real (kV)	Space Potential Imaginary (kV)	Space Potential Angle (deg)	Space Potential Magnitude (kV)	
994903.5	15392624.6	1321.9	38.645	18.138	25.1	42.690	2.4	3.397	0.171	0.029	9.6	0.173	0.0	-0.151	-0.005	2.1	0.151	
994900.5	15392620.6	1321.9	41.426	19.309	25.0	45.705	2.6	3.637	0.188	0.032	9.7	0.191	0.0	-0.179	-0.010	3.3	0.179	
994897.5	15392616.6	1324.3	45.042	20.790	24.8	49.608	2.6	3.948	0.209	0.036	9.8	0.212	0.1	-0.061	0.010	-9.1	0.061	
994894.4	15392612.6	1325.0	48.721	22.292	24.6	53.578	2.8	4.264	0.232	0.041	9.9	0.236	0.1	-0.038	0.014	-19.8	0.040	
994891.4	15392608.6	1325.6	52.863	23.961	24.4	58.040	3.0	4.619	0.259	0.046	10.0	0.263	0.0	-0.011	0.018	-59.3	0.021	
994888.4	15392604.6	1326.1	57.515	25.811	24.2	63.041	3.2	5.017	0.290	0.051	10.1	0.295	0.0	0.012	0.023	61.5	0.026	
994885.4	15392600.6	1326.5	62.776	27.873	23.9	68.686	3.4	5.466	0.327	0.058	10.1	0.332	0.0	0.035	0.027	37.3	0.044	
994882.4	15392596.6	1326.9	68.736	30.176	23.7	75.068	3.7	5.974	0.370	0.066	10.1	0.376	0.0	0.053	0.030	29.4	0.061	
994879.4	15392592.6	1327.2	75.561	32.771	23.4	82.362	4.0	6.554	0.422	0.075	10.1	0.428	0.0	0.074	0.033	24.2	0.081	
994876.4	15392588.6	1327.7	83.527	35.742	23.2	90.853	4.3	7.230	0.483	0.086	10.1	0.490	0.1	0.123	0.041	18.6	0.130	
994873.4	15392584.6	1328.1	92.739	39.115	22.9	100.650	4.7	8.010	0.556	0.099	10.1	0.565	0.1	0.176	0.050	15.9	0.183	
994870.4	15392580.6	1328.6	103.616	43.011	22.5	112.188	5.1	8.928	0.645	0.115	10.1	0.655	0.2	0.265	0.064	13.6	0.273	
994867.4	15392576.6	1328.9	116.251	47.454	22.2	125.563	5.6	9.992	0.753	0.133	10.0	0.764	0.2	0.346	0.076	12.4	0.354	
994864.3	15392572.7	1329.4	131.318	52.632	21.8	141.472	6.2	11.258	0.884	0.156	10.0	0.897	0.3	0.469	0.094	11.4	0.479	
994861.3	15392568.7	1329.6	148.981	58.598	21.5	160.091	6.9	12.740	1.044	0.183	9.9	1.060	0.4	0.581	0.109	10.6	0.591	
994858.3	15392564.7	1329.9	170.237	65.627	21.1	182.449	7.7	14.519	1.240	0.216	9.9	1.259	0.4	0.745	0.130	9.9	0.756	
994855.3	**15392560.7**	**1330.3**	**196.129**	**74.010**	**20.7**	**209.628**	**8.6**	**16.682**	**1.478**	**0.258**	**9.9**	**1.501**	**0.5**	**0.997**	**0.165**	**9.4**	**1.011**	**BF exceeds limit NG**
994852.3	**15392556.7**	**1330.7**	**227.235**	**83.964**	**20.3**	**242.252**	**9.8**	**19.278**	**1.764**	**0.311**	**10.0**	**1.792**	**0.5**	**1.298**	**0.205**	**9.0**	**1.314**	**BF and EF exceed limits NG**
994849.3	**15392552.7**	**1331.0**	**265.043**	**95.978**	**19.9**	**281.886**	**11.2**	**22.432**	**2.099**	**0.379**	**10.2**	**2.133**	**0.5**	**1.708**	**0.262**	**8.7**	**1.728**	**BF and EF exceed limits NG**
994846.3	**15392548.7**	**1331.5**	**311.186**	**110.690**	**19.6**	**330.286**	**12.8**	**26.283**	**2.472**	**0.467**	**10.7**	**2.516**	**0.5**	**2.277**	**0.352**	**8.8**	**2.304**	**BF and EF exceed limits NG**
994843.3	**15392544.7**	**1332.0**	**367.369**	**128.982**	**19.3**	**389.354**	**14.9**	**30.984**	**2.854**	**0.586**	**11.6**	**2.913**	**0.5**	**3.050**	**0.499**	**9.3**	**3.091**	**BF and EF exceed limits NG**
994840.3	**15392540.7**	**1332.4**	**429.964**	**151.171**	**19.4**	**455.765**	**17.4**	**36.269**	**3.179**	**0.745**	**13.2**	**3.266**	**1.1**	**3.746**	**0.674**	**10.2**	**3.806**	**BF and EF exceed limits NG**

994837.2	15392536.7	1332.6	494.958	178.136	19.8	526.038	20.6	41.861	3.347	0.960	16.0	3.481	2.6	4.261	0.893	11.8	4.354	BF and EF exceed limits NG
994834.2	15392532.7	1332.9	560.616	211.907	20.7	599.328	24.5	47.693	3.245	1.237	20.9	3.473	5.7	4.660	1.237	14.9	4.821	BF and EF exceed limits NG
994831.2	15392528.7	1333.2	616.279	253.120	22.3	666.235	29.2	53.017	2.795	1.566	29.3	3.204	11.5	4.650	1.686	19.9	4.946	BF and EF exceed limits NG
994828.2	15392524.7	1333.6	655.431	302.528	24.8	721.882	34.8	57.446	2.030	1.899	43.1	2.780	21.6	4.176	2.228	28.1	4.734	BF and EF exceed limits NG
994825.2	15392520.8	1333.9	674.349	359.270	28.0	764.082	40.8	60.804	1.149	2.139	61.7	2.428	33.6	3.279	2.779	40.3	4.298	BF and EF exceed limits NG
994822.2	15392516.8	1334.1	672.102	418.927	31.9	791.973	46.1	63.023	0.833	2.150	68.8	2.306	35.8	2.113	3.154	56.2	3.796	BF and EF exceed limits NG
994819.2	15392512.8	1334.4	654.143	475.434	36.0	808.666	48.6	64.352	1.469	1.819	51.1	2.338	31.8	0.895	3.187	74.3	3.310	BF and EF exceed limits NG
994816.2	15392508.8	1334.7	626.223	520.248	39.7	814.134	46.9	64.787	2.157	1.163	28.3	2.451	30.8	-0.217	2.728	-85.5	2.737	BF and EF exceed limits NG
994813.2	15392504.8	1334.9	594.505	546.468	42.6	807.505	41.9	64.259	2.667	0.752	15.8	2.771	27.3	-1.144	1.784	-57.3	2.119	BF and EF exceed limits NG
994810.2	15392500.8	1335.2	561.499	550.008	44.4	785.996	35.6	62.548	2.983	1.483	26.4	3.331	19.4	-1.867	0.527	-15.8	1.940	BF and EF exceed limits NG
994807.1	15392496.8	1335.5	525.139	529.737	45.2	745.918	29.5	59.358	3.107	2.344	37.0	3.892	12.5	-2.376	-0.757	17.7	2.494	BF and EF exceed limits NG
994804.1	15392492.8	1335.7	482.036	488.075	45.4	685.985	24.3	54.589	3.038	2.880	43.5	4.186	7.9	-2.654	-1.789	34.0	3.200	BF and EF exceed limits NG
994801.1	15392488.8	1336.0	431.928	431.832	45.0	610.770	20.0	48.604	2.801	3.011	47.1	4.113	5.0	-2.703	-2.410	41.7	3.621	BF and EF exceed limits NG
994798.1	15392484.8	1336.3	378.456	370.211	44.4	529.419	16.6	42.130	2.458	2.830	49.0	3.748	3.3	-2.564	-2.623	45.6	3.668	BF and EF exceed limits NG
994795.1	15392480.8	1336.5	326.590	311.270	43.6	451.166	13.8	35.903	2.083	2.483	50.0	3.241	2.2	-2.306	-2.541	47.8	3.432	BF and EF exceed limits NG
994792.1	15392476.8	1336.7	280.067	259.815	42.9	382.022	11.6	30.400	1.730	2.093	50.4	2.716	1.5	-2.015	-2.319	49.0	3.072	BF and EF exceed limits NG
994789.1	15392472.8	1337.0	240.083	216.893	42.1	323.546	9.8	25.747	1.422	1.729	50.6	2.239	1.0	-1.726	-2.042	49.8	2.674	BF and EF exceed limits NG
994786.1	15392468.9	1337.2	206.481	181.879	41.4	275.163	8.4	21.897	1.167	1.417	50.5	1.836	0.8	-1.456	-1.756	50.3	2.281	BF and EF exceed limits NG
994783.1	15392464.9	1337.4	178.721	153.784	40.7	235.777	7.2	18.763	0.960	1.161	50.4	1.507	0.6	-1.233	-1.513	50.8	1.951	BF exceeds limit NG
994780.1	15392460.9	1337.5	155.508	130.899	40.1	203.266	6.3	16.175	0.794	0.956	50.3	1.243	0.5	-1.016	-1.269	51.3	1.625	BF exceeds limit NG
994777.0	15392456.9	1337.5	136.213	112.357	39.5	176.573	5.6	14.051	0.662	0.792	50.1	1.032	0.4	-0.829	-1.055	51.9	1.341	
994774.0	15392452.9	1337.7	120.316	97.456	39.0	154.834	4.9	12.321	0.555	0.661	50.0	0.863	0.4	-0.700	-0.910	52.4	1.149	
994771.0	15392448.9	1338.0	107.074	85.320	38.5	136.911	4.3	10.895	0.468	0.556	49.9	0.727	0.4	-0.615	-0.815	53.0	1.021	
994768.0	15392444.9	1338.3	95.862	75.247	38.1	121.867	3.8	9.698	0.398	0.471	49.8	0.617	0.4	-0.546	-0.739	53.5	0.919	
994765.0	15392440.9	1338.5	86.204	66.723	37.7	109.009	3.4	8.675	0.341	0.403	49.7	0.527	0.4	-0.473	-0.657	54.2	0.810	
994762.0	15392436.9	1338.7	77.890	59.511	37.4	98.023	3.1	7.800	0.294	0.347	49.7	0.454	0.5	-0.408	-0.583	55.0	0.711	
994759.0	15392432.9	1338.7	70.664	53.341	37.0	88.536	2.8	7.046	0.255	0.301	49.7	0.394	0.5	-0.343	-0.508	56.0	0.613	
994756.0	15392428.9	1338.9	64.427	48.098	36.7	80.401	2.5	6.398	0.222	0.263	49.8	0.344	0.5	-0.296	-0.455	57.0	0.543	
994753.0	15392424.9	1339.1	58.978	43.583	36.5	73.334	2.3	5.836	0.195	0.231	49.9	0.302	0.6	-0.258	-0.411	57.9	0.485	
994749.9	15392420.9	1339.2	54.189	39.666	36.2	67.156	2.1	5.344	0.171	0.204	49.9	0.266	0.6	-0.225	-0.374	59.0	0.436	
994746.9	15392417.0	1339.4	49.959	36.248	36.0	61.724	1.9	4.912	0.152	0.181	50.1	0.236	0.6	-0.197	-0.341	60.0	0.394	
994743.9	15392413.0	1339.5	46.201	33.247	35.7	56.921	1.7	4.530	0.135	0.162	50.2	0.211	0.7	-0.172	-0.312	61.2	0.356	
994740.9	15392409.0	1339.6	42.848	30.598	35.5	52.652	1.6	4.190	0.120	0.145	50.4	0.189	0.7	-0.149	-0.285	62.4	0.322	
994737.9	15392405.0	1339.7	39.847	28.251	35.3	48.846	1.5	3.887	0.108	0.131	50.5	0.170	0.8	-0.129	-0.262	63.7	0.292	
994734.9	15392401.0	1339.8	37.151	26.162	35.2	45.438	1.4	3.616	0.097	0.118	50.7	0.153	0.8	-0.112	-0.241	65.0	0.266	

Critical Energy/Electric Infrastructure Information (CEII) Has Been Redacted From This Document

PLS-CADD Version 20.01x64 9:56:21 AM Thursday, February 27, 2025
Quanta Services - Dashiell
Project Name: 'C:\projects\L68\0026-0068-700 REV 0-0E PLS CADD MODEL.don'
Line Title: 'PROPOSED L723 AND PROPOSED L68 MERGED'

3D EMF Calculation Notes:
1) Calculations based on the EPRI Red Book methods (3rd Edition, 2005 - 7.4 Calculation of Magnetic Fields and Appendices 7.1 Calculation of Field Ellipse Parameters and 7.6 Electric Field Calculations for 3D Geometry).
2) All wire positions are modeled at the specified weather case and wind direction. Height above ground determined by the modeled ground TIN.
3) Only the effects of wires are being analyzed. The effects of structures are not included unless enabled as noted below.
4) Ground return is being ignored for magnetic field calculations.

Meter height above ground:	3.28 (ft)
Maximum wire distance:	500.00 (ft)
Maximum cable segment size:	5.00 (ft)
Cross section offset +/-:	140.00 (ft)
Result interval:	5.00 (ft)
Electric field limit:	1.60 (kV/m)
Magnetic field limit:	200.00 (mG)
Space potential limit:	0.00 (kV)
Contour Map Spacing:	15 (ft)
Analyzing spans between these structures:	8 - 9

One or more sections have wind from both directions which is not supported. A wind direction of left is being used for those sections.

Section Data for 3D EMF Results:

Section Number	Section Note	Voltage Ph-Ph (kV)	Current (Amps)	Cable Filename	Cable Description	Conductors Per Phase	Bundle Diameter (in)	Cable Radius (in)	Weather Case	Condition	Wind Dir.	WC Temperature (deg F)	Effective Radius (in)
24		0.0	0.0	7no_7_alumoweld - 5750.wir	7#7 Alumoweld 7 Strands Alumoweld - Adapted from 1970's Publicly Available Data	1	0.000	0.216	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.216
47		0.0	0.0	TF-DNO-11467 - 6750.wir	AFL OPGW DNO-11467 S4-53/61/583	1	0.000	0.291	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.291
67		230.0	[redacted]	bunting_acsr - 12,000 lbs.wir 1192.5 kcmil 45/7 Strands BUNTING ACSR - Adapted from 1970's Publicly Available Data		2	18.000	0.651	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	3.423

Centerline results between structures 8 and 9

3D EMF Point Results Centerline from 8 to 9:

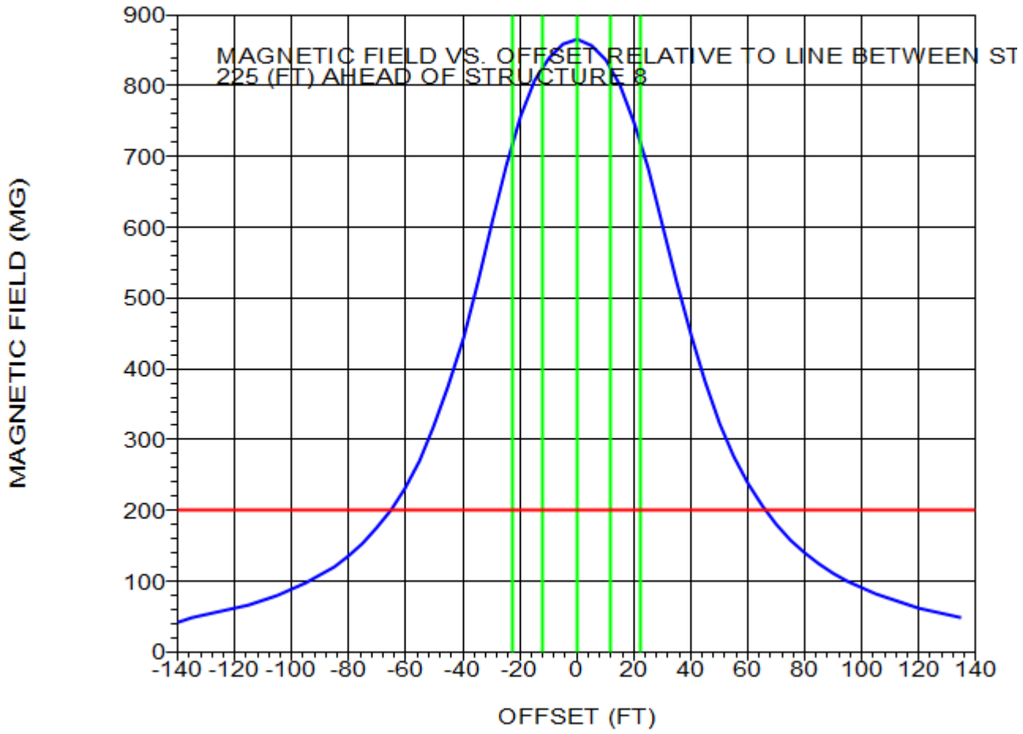
Measurement X (ft)	Y (ft)	Z (ft)	B Real (mG)	B Imaginary (mG)	B Angle (deg)	B Magnitude (mG)	B Polarization Axial Ratio %	H Magnitude (A/m)	EF Real (kV/m)	EF Imaginary (kV/m)	EF Angle (deg)	EF Magnitude (kV/m)	EF Polarization Axial Ratio %	Space Potential Real (kV)	Space Potential Imaginary (kV)	Space Potential Angle (deg)	Space Potential Magnitude (kV)		
963294.9	15420253.0	1624.0	255.054	159.623	32.0	300.885	25.9	23.944	0.111	0.349	72.3	0.366	22.2	-3.733	0.527	-8.0	3.770	BF exceeds limit	NG
963298.6	15420249.6	1624.7	257.360	161.161	32.1	303.657	26.0	24.164	0.125	0.385	72.0	0.405	26.2	-3.833	0.182	-2.7	3.838	BF exceeds limit	NG
963302.2	15420246.2	1625.1	258.595	161.980	32.1	305.137	26.1	24.282	0.152	0.427	70.4	0.453	32.4	-3.929	-0.202	2.9	3.934	BF exceeds limit	NG
963305.8	15420242.7	1626.0	264.542	166.024	32.1	312.324	26.4	24.854	0.157	0.481	71.9	0.506	31.0	-4.003	-0.571	8.1	4.044	BF exceeds limit	NG
963309.5	15420239.3	1627.1	274.020	172.518	32.2	323.805	27.0	25.768	0.144	0.545	75.2	0.564	25.7	-4.064	-0.928	12.9	4.168	BF exceeds limit	NG
963313.1	15420235.9	1628.5	286.205	180.937	32.3	338.603	27.7	26.945	0.119	0.619	79.1	0.630	19.1	-4.120	-1.272	17.2	4.312	BF exceeds limit	NG
963316.7	15420232.4	1630.1	302.304	192.177	32.4	358.218	28.6	28.506	0.077	0.703	83.8	0.707	10.9	-4.181	-1.575	20.6	4.467	BF exceeds limit	NG
963320.3	15420229.0	1631.9	322.776	206.661	32.6	383.267	29.8	30.499	0.020	0.799	88.6	0.800	2.4	-4.253	-1.816	23.1	4.624	BF exceeds limit	NG
963324.0	15420225.5	1633.3	340.849	219.629	32.8	405.481	30.8	32.267	0.042	0.900	87.3	0.901	4.0	-4.336	-2.097	25.8	4.817	BF exceeds limit	NG
963327.6	15420222.1	1635.0	363.906	236.423	33.0	433.963	32.1	34.534	0.100	1.013	84.4	1.018	9.1	-4.432	-2.284	27.3	4.986	BF exceeds limit	NG
963331.2	15420218.7	1636.7	390.339	256.031	33.3	466.815	33.6	37.148	0.176	1.134	81.2	1.148	14.8	-4.536	-2.389	27.8	5.126	BF exceeds limit	NG
963334.9	15420215.2	1638.2	415.823	275.308	33.5	498.702	35.1	39.685	0.247	1.259	78.9	1.283	18.6	-4.632	-2.482	28.2	5.255	BF exceeds limit	NG
963338.5	15420211.8	1639.8	445.081	297.905	33.8	535.579	36.7	42.620	0.341	1.390	76.2	1.431	23.5	-4.722	-2.460	27.5	5.325	BF exceeds limit	NG
963342.1	15420208.3	1641.5	478.727	324.533	34.1	578.361	38.6	46.024	0.466	1.528	73.0	1.598	29.6	-4.806	-2.296	25.5	5.326	BF exceeds limit	NG
963345.8	15420204.9	1642.7	507.583	347.943	34.4	615.390	40.2	48.971	0.571	1.657	71.0	1.753	33.4	-4.854	-2.171	24.1	5.317	BF and EF exceed limits	NG
963349.4	15420201.5	1644.0	537.955	373.177	34.7	654.719	41.9	52.101	0.692	1.785	68.8	1.915	37.5	-4.882	-1.950	21.8	5.257	BF and EF exceed limits	NG
963353.0	15420198.0	1644.7	557.227	389.518	35.0	679.872	43.0	54.103	0.760	1.884	68.0	2.032	38.4	-4.839	-1.897	21.4	5.197	BF and EF exceed limits	NG
963356.6	15420194.6	1644.9	564.563	395.810	35.0	689.490	43.5	54.868	0.774	1.949	68.3	2.097	36.4	-4.705	-2.036	23.4	5.127	BF and EF exceed limits	NG
963360.3	15420191.1	1645.0	568.119	398.876	35.1	694.162	43.7	55.240	0.781	1.999	68.7	2.146	33.7	-4.513	-2.200	26.0	5.021	BF and EF exceed limits	NG
963363.9	15420187.7	1645.7	588.200	416.629	35.3	720.804	44.9	57.360	0.875	2.078	67.2	2.255	36.1	-4.402	-1.861	22.9	4.779	BF and EF exceed limits	NG
963367.5	15420184.3	1647.0	625.368	449.761	35.7	770.305	47.1	61.299	1.048	2.187	64.4	2.425	42.3	-4.391	-1.149	14.7	4.539	BF and EF exceed limits	NG
963371.2	15420180.8	1647.1	629.425	453.438	35.8	775.746	47.3	61.732	1.060	2.206	64.3	2.448	40.6	-4.163	-1.101	14.8	4.306	BF and EF exceed limits	NG

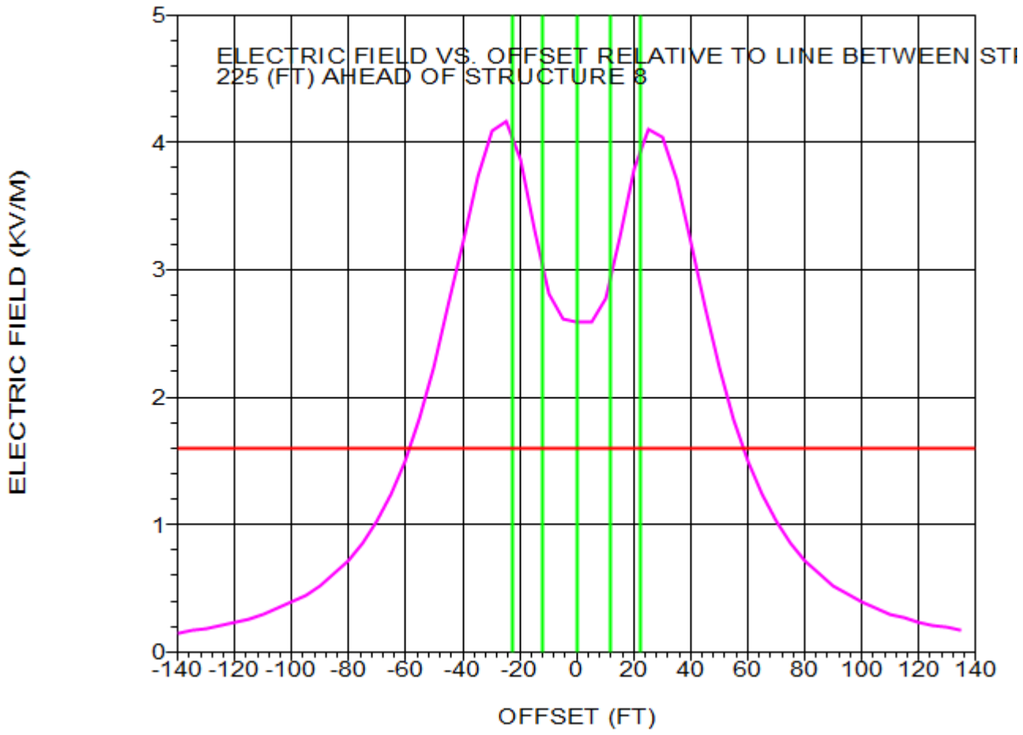
963374.8	15420177.4	1647.3	634.359	457.928	35.8	782.374	47.6	62.259	1.078	2.219	64.1	2.468	39.1	-3.937	-0.981	14.0	4.057	BF and EF exceed limits	NG
963378.4	15420174.0	1647.4	638.851	462.033	35.9	788.419	47.9	62.740	1.096	2.224	63.8	2.479	37.7	-3.711	-0.827	12.6	3.802	BF and EF exceed limits	NG
963382.0	15420170.5	1647.5	641.751	464.689	35.9	792.325	48.1	63.051	1.107	2.220	63.5	2.481	35.9	-3.481	-0.675	11.0	3.545	BF and EF exceed limits	NG
963385.7	15420167.1	1648.0	657.696	479.433	36.1	813.892	49.0	64.767	1.175	2.246	62.4	2.534	37.3	-3.379	-0.226	3.8	3.386	BF and EF exceed limits	NG
963389.3	15420163.6	1648.0	656.802	478.598	36.1	812.677	49.0	64.671	1.171	2.230	62.3	2.519	34.8	-3.143	-0.127	2.3	3.146	BF and EF exceed limits	NG
963392.9	15420160.2	1648.2	662.162	483.595	36.1	819.953	49.3	65.250	1.195	2.231	61.8	2.531	34.0	-2.983	0.107	-2.0	2.984	BF and EF exceed limits	NG
963396.6	15420156.8	1648.5	673.662	494.398	36.3	835.614	50.0	66.496	1.245	2.248	61.0	2.570	34.8	-2.901	0.465	-9.1	2.938	BF and EF exceed limits	NG
963400.2	15420153.3	1648.7	680.152	500.226	36.3	844.294	50.3	67.187	1.270	2.251	60.6	2.585	34.6	-2.790	0.698	-14.1	2.876	BF and EF exceed limits	NG
963403.8	15420149.9	1648.9	683.874	503.755	36.4	849.384	50.5	67.592	1.287	2.249	60.2	2.591	34.1	-2.675	0.886	-18.3	2.817	BF and EF exceed limits	NG
963407.5	15420146.4	1648.9	683.709	503.588	36.4	849.151	50.5	67.573	1.287	2.237	60.1	2.581	32.9	-2.539	0.989	-21.3	2.725	BF and EF exceed limits	NG
963411.1	15420143.0	1649.0	683.283	503.173	36.4	848.563	50.5	67.526	1.286	2.224	60.0	2.569	31.8	-2.417	1.083	-24.1	2.649	BF and EF exceed limits	NG
963414.7	15420139.6	1649.0	683.478	503.349	36.4	848.824	50.5	67.547	1.288	2.213	59.8	2.560	31.2	-2.317	1.183	-27.1	2.602	BF and EF exceed limits	NG
963418.3	15420136.1	1649.1	683.394	503.260	36.4	848.704	50.5	67.538	1.288	2.202	59.7	2.551	30.6	-2.226	1.272	-29.7	2.564	BF and EF exceed limits	NG
963422.0	15420132.7	1649.2	683.031	502.905	36.4	848.201	50.4	67.498	1.288	2.191	59.6	2.541	30.0	-2.142	1.348	-32.2	2.531	BF and EF exceed limits	NG
963425.6	15420129.2	1649.3	682.391	502.287	36.4	847.319	50.4	67.427	1.287	2.181	59.5	2.533	29.5	-2.061	1.410	-34.4	2.497	BF and EF exceed limits	NG
963429.2	15420125.8	1649.3	681.550	501.479	36.3	846.163	50.4	67.336	1.286	2.172	59.4	2.525	29.0	-1.983	1.458	-36.3	2.462	BF and EF exceed limits	NG
963432.9	15420122.4	1649.4	680.434	500.411	36.3	844.631	50.3	67.214	1.285	2.166	59.3	2.518	28.4	-1.905	1.492	-38.1	2.420	BF and EF exceed limits	NG
963436.5	15420118.9	1649.5	680.844	500.792	36.3	845.187	50.3	67.258	1.291	2.165	59.2	2.521	28.2	-1.843	1.548	-40.0	2.407	BF and EF exceed limits	NG
963440.1	15420115.5	1649.7	682.623	502.474	36.4	847.617	50.4	67.451	1.303	2.169	59.0	2.531	28.4	-1.796	1.624	-42.1	2.421	BF and EF exceed limits	NG
963443.8	15420112.0	1649.9	684.338	504.098	36.4	849.961	50.5	67.638	1.316	2.174	58.8	2.542	28.6	-1.747	1.694	-44.1	2.433	BF and EF exceed limits	NG
963447.4	15420108.6	1650.1	687.536	507.140	36.4	854.340	50.7	67.986	1.335	2.183	58.6	2.559	29.1	-1.714	1.793	-46.3	2.481	BF and EF exceed limits	NG
963451.0	15420105.2	1650.4	690.469	509.936	36.4	858.360	50.9	68.306	1.353	2.189	58.3	2.574	29.7	-1.680	1.890	-48.4	2.529	BF and EF exceed limits	NG
963454.6	15420101.7	1650.6	693.179	512.526	36.5	862.079	51.0	68.602	1.370	2.192	58.0	2.585	30.2	-1.646	1.989	-50.4	2.582	BF and EF exceed limits	NG
963458.3	15420098.3	1650.8	695.566	514.812	36.5	865.358	51.2	68.863	1.384	2.191	57.7	2.592	30.7	-1.614	2.089	-52.3	2.640	BF and EF exceed limits	NG
963461.9	15420094.9	1651.0	694.277	513.565	36.5	863.579	51.1	68.721	1.383	2.178	57.6	2.580	30.4	-1.548	2.124	-53.9	2.629	BF and EF exceed limits	NG
963465.5	15420091.4	1651.1	691.789	511.169	36.5	860.155	51.0	68.449	1.376	2.159	57.5	2.560	30.0	-1.476	2.143	-55.4	2.602	BF and EF exceed limits	NG
963469.2	15420088.0	1651.2	689.031	508.521	36.4	856.363	50.8	68.147	1.368	2.138	57.4	2.538	29.5	-1.409	2.159	-56.9	2.578	BF and EF exceed limits	NG
963472.8	15420084.5	1651.3	686.007	505.625	36.4	852.210	50.6	67.817	1.358	2.117	57.3	2.515	29.1	-1.344	2.172	-58.3	2.554	BF and EF exceed limits	NG
963476.4	15420081.1	1651.4	682.720	502.488	36.4	847.703	50.4	67.458	1.347	2.096	57.3	2.492	28.8	-1.280	2.177	-59.5	2.525	BF and EF exceed limits	NG
963480.0	15420077.7	1651.5	679.176	499.116	36.3	842.850	50.2	67.072	1.338	2.076	57.2	2.470	28.5	-1.217	2.173	-60.8	2.491	BF and EF exceed limits	NG
963483.7	15420074.2	1651.7	676.806	496.865	36.3	839.607	50.0	66.814	1.333	2.060	57.1	2.454	28.7	-1.168	2.189	-61.9	2.481	BF and EF exceed limits	NG
963487.3	15420070.8	1651.9	677.851	497.847	36.3	841.031	50.1	66.927	1.344	2.053	56.8	2.454	30.0	-1.159	2.268	-62.9	2.547	BF and EF exceed limits	NG
963490.9	15420067.3	1652.2	677.576	497.580	36.3	840.652	50.1	66.897	1.350	2.041	56.5	2.447	31.1	-1.138	2.323	-63.9	2.586	BF and EF exceed limits	NG
963494.6	15420063.9	1652.3	672.301	492.591	36.2	833.447	49.8	66.324	1.337	2.016	56.4	2.419	31.0	-1.063	2.284	-65.0	2.519	BF and EF exceed limits	NG
963498.2	15420060.5	1652.3	667.041	487.641	36.2	826.279	49.5	65.753	1.325	1.988	56.3	2.389	31.1	-0.992	2.251	-66.2	2.460	BF and EF exceed limits	NG
963501.8	15420057.0	1652.4	661.566	482.513	36.1	818.833	49.1	65.161	1.312	1.957	56.2	2.356	31.3	-0.923	2.222	-67.4	2.406	BF and EF exceed limits	NG
963505.5	15420053.6	1652.5	655.883	477.217	36.0	811.122	48.8	64.547	1.297	1.925	56.0	2.321	31.5	-0.856	2.195	-68.7	2.356	BF and EF exceed limits	NG
963509.1	15420050.1	1652.6	650.001	471.763	36.0	803.157	48.4	63.913	1.282	1.890	55.8	2.284	31.8	-0.792	2.172	-70.0	2.312	BF and EF exceed limits	NG
963512.7	15420046.7	1652.7	643.927	466.160	35.9	794.951	48.1	63.260	1.267	1.854	55.7	2.246	32.2	-0.729	2.154	-71.3	2.274	BF and EF exceed limits	NG
963516.3	15420043.3	1652.8	637.670	460.420	35.8	786.517	47.7	62.589	1.251	1.816	55.4	2.205	32.6	-0.669	2.141	-72.6	2.243	BF and EF exceed limits	NG
963520.0	15420039.8	1652.9	631.237	454.551	35.8	777.867	47.3	61.901	1.234	1.776	55.2	2.163	33.1	-0.611	2.133	-74.0	2.219	BF and EF exceed limits	NG
963523.6	15420036.4	1653.0	624.854	448.760	35.7	769.303	46.9	61.219	1.218	1.734	54.9	2.119	33.8	-0.559	2.135	-75.3	2.207	BF and EF exceed limits	NG
963527.2	15420033.0	1653.1	618.717	443.223	35.6	761.090	46.6	60.566	1.203	1.690	54.6	2.075	34.7	-0.516	2.149	-76.5	2.210	BF and EF exceed limits	NG
963530.9	15420029.5	1653.2	612.415	437.567	35.5	752.673	46.2	59.896	1.187	1.645	54.2	2.029	35.8	-0.477	2.167	-77.6	2.219	BF and EF exceed limits	NG
963534.5	15420026.1	1653.1	598.957	425.595	35.4	734.766	45.4	58.471	1.142	1.583	54.2	1.952	34.5	-0.366	2.065	-79.9	2.097	BF and EF exceed limits	NG
963538.1	15420022.6	1652.9	585.135	413.441	35.2	716.461	44.6	57.014	1.096	1.521	54.2	1.875	33.1	-0.260	1.960	-82.5	1.977	BF and EF exceed limits	NG
963541.7	15420019.2	1652.9	575.602	405.140	35.1	703.887	44.1	56.014	1.066	1.470	54.0	1.816	33.3	-0.207	1.930	-83.9	1.941	BF and EF exceed limits	NG
963545.4	15420015.8	1653.0	567.075	397.770	35.0	692.672	43.6	55.121	1.041	1.423	53.8	1.763	34.0	-0.170	1.914	-84.9	1.922	BF and EF exceed limits	NG
963549.0	15420012.3	1653.0	558.496	390.408	35.0	681.422	43.1	54.226	1.016	1.379	53.6	1.712	34.7	-0.138	1.895	-85.8	1.900	BF and EF exceed limits	NG
963552.6	15420008.9	1653.1	549.874	383.062	34.9	670.148	42.6	53.329	0.991	1.335	53.4	1.663	35.6	-0.108	1.872	-86.7	1.875	BF and EF exceed limits	NG
963556.3	15420005.4	1653.1	540.473	375.113	34.8	657.891	42.0	52.353	0.963	1.291	53.3	1.611	36.1	-0.073	1.834	-87.7	1.836	BF and EF exceed limits	NG
963559.9	15420002.0	1653.1	530.653	366.874	34.7	645.127	41.5	51.338	0.935	1.247	53.1	1.558	36.6	-0.035	1.790	-88.9	1.791	BF exceeds limit	NG
963563.5	15419998.6	1653.1	520.869	358.731	34.6	632.450	40.9	50.329	0.908	1.202	52.9	1.506	37.1	0.002	1.749	89.9	1.749	BF exceeds limit	NG
963567.2	15419995.1	1653.1	511.130	350.690	34.5	619.868	40.4	49.328	0.881	1.158	52.7	1.455	37.6	0.037	1.710	88.8	1.711	BF exceeds limit	NG
963570.8	15419991.7	1653.0	501.443	342.754	34.4	607.392	39.8	48.335	0.856	1.114	52.5	1.405	38.2	0.072	1.676	87.6	1.677	BF exceeds limit	NG
963574.4	15419988.2	1653.0	491.816	334.929	34.3	595.029	39.3	47.351	0.831	1.070	52.2	1.354	38.9	0.105	1.645	86.4	1.648	BF exceeds limit	NG
963578.0	15419984.8	1653.0	482.557	327.459	34.2	583.173	38.8	46.407	0.808	1.026	51.8	1.306	39.9	0.133	1.623	85.3	1.628	BF exceeds limit	NG
963581.7	15419981.4	1653.1	473.382	320.111	34.1	571.456	38.3	45.475	0.785	0.983	51.4	1.259	41.0	0.158	1.604	84.4	1.612	BF exceeds limit	NG
963585.3	15419977.9	1653.0	463.137	311.970	34.0	558.410	37.7	44.437	0.758	0.939	51.1	1.207	41.5	0.192	1.572	83.0	1.583	BF exceeds limit	NG
963588.9	15419974.5	1652.9	452.051	303.234	33.9	544.335	37.1	43.317	0.728	0.893	50.8	1.152	41.5	0.230	1.528	81.4	1.545	BF exceeds limit	NG
963592.6	15419971.1	1652.8	441.161	294.725	33.7	530.553	36.4	42.220	0.698	0.848	50.6	1.098	41.7	0.264	1.487	79.9	1.511	BF exceeds limit	NG
963596.2	15419967.6	1652.6	428.547	284.959	33.6	514.639	35.7	40.954	0.660	0.802	50.5	1.039	40.5	0.311	1.422	77.6	1.455	BF exceeds limit	NG
963599.8	15419964.2	1652.4	416.108	275.421	33.5	499.001	35.0	39.709	0.624	0.758	50.6	0.982	39.3	0.355	1.356	75.3	1.402	BF exceeds limit	NG
963603.4	15419960.7	1652.3	405.863	267.632	33.4	486.160	34.5	38.687	0.596	0.720	50.4	0.935	39.4	0.377	1.317	74.0	1.370	BF exceeds limit	NG
963607.1	15419957.3	1652.2	396.398	260.490	33.3	474.327	33.9	37.746	0.571	0.686	50.2	0.892	40.1	0.392	1.284	73.0	1.343	BF exceeds limit	NG
963610.7	15419953.9	1652.1	387.063	253.496	33.2	462.685	33.4	36.819	0.547	0.653	50.0	0.852	40.6	0.407	1.248	71.9	1.313	BF exceeds limit	NG
963614.3	15419950.4	1652.1	378.230	246.923	33.1	451.696	32.9	35.945	0.526	0.623	49.8	0.816	41.5	0.422	1.214	70.9	1.285	BF exceeds limit	NG
963618.0	15419947.0	1652.0	369.541	240.500	33.1	440.909	32.4	35.086	0.507	0.595	49.6	0.781	42.2	0.438	1.179	69.6	1.257	BF exceeds limit	NG
963621.6	15419943.5	1652.0	360.957	234.194	33.0	430.275	31.9	34.240	0.488	0.568	49.3	0.749	42.8	0.458	1.142	68.1	1.230	BF exceeds limit	NG
963625.2	15419940.1	1652.0	353.646	228.855	32.9	421.236	31.5	33.521	0.475	0.543	48.8	0.722	44.6	0.471	1.119	67.2	1.214	BF exceeds limit	NG
963628.9	15419936.7	1652.1	347.857	224.647	32.9	414.090	31.2	32.952	0.469	0.522	48.1	0.702	47.8	0.474	1.113	66.9	1.210	BF exceeds limit	NG
963632.5	15419933.2	1652.1	340.618	219.411	32.8	405.169	30.8	32.242	0.457	0.499	47.5	0.676	49.4	0.494	1.090	65.6	1.196	BF exceeds limit	NG
963636.1	15419929.8	1651.9	330.624	212.228	32.7	392.878	30.2	31.264	0.433	0.471	47.4	0.639	47.6	0.541	1.035	62.4	1.168	BF exceeds limit	NG
963639.7	15419926.3	1651.8	321.513	205.724	32.6	381.697	29.7	30.374	0.412	0.445	47.1	0.606	46.5	0.582	0.992	59.6	1.150	BF exceeds limit	NG

963643.4	15419922.9	1651.9	315.802	201.669	32.6	374.702	29.4	29.818	0.407	0.424	46.2	0.588	49.2	0.597	0.988	58.9	1.155	BF exceeds limit NG
963647.0	15419919.5	1651.8	308.250	196.332	32.5	365.464	28.9	29.083	0.393	0.401	45.6	0.562	49.5	0.629	0.965	56.9	1.152	BF exceeds limit NG
963650.6	15419916.0	1651.8	301.303	191.448	32.4	356.981	28.5	28.408	0.382	0.380	44.8	0.538	50.3	0.658	0.948	55.2	1.154	BF exceeds limit NG
963654.3	15419912.6	1651.9	295.435	187.341	32.4	349.826	28.2	27.838	0.375	0.360	43.9	0.520	52.3	0.679	0.943	54.2	1.162	BF exceeds limit NG
963657.9	15419909.1	1651.9	288.235	182.412	32.3	341.106	27.9	27.144	0.364	0.340	43.0	0.498	53.0	0.718	0.932	52.4	1.176	BF exceeds limit NG
963661.5	15419905.7	1651.8	280.852	177.291	32.3	332.129	27.4	26.430	0.350	0.319	42.3	0.473	52.4	0.752	0.911	50.5	1.181	BF exceeds limit NG
963665.2	15419902.3	1651.7	273.658	172.327	32.2	323.397	27.0	25.735	0.337	0.298	41.5	0.450	51.7	0.783	0.892	48.7	1.187	BF exceeds limit NG
963668.8	15419898.8	1651.6	266.653	167.517	32.1	314.906	26.6	25.059	0.324	0.278	40.7	0.427	50.9	0.813	0.874	47.1	1.193	BF exceeds limit NG
963672.4	15419895.4	1651.6	260.450	163.277	32.1	307.398	26.2	24.462	0.314	0.261	39.7	0.408	51.2	0.834	0.861	45.9	1.199	BF exceeds limit NG
963676.0	15419892.0	1651.7	255.389	159.832	32.0	301.280	25.9	23.975	0.308	0.246	38.6	0.395	53.1	0.844	0.856	45.4	1.202	BF exceeds limit NG
963679.7	15419888.5	1651.8	250.408	156.452	32.0	295.265	25.6	23.496	0.303	0.233	37.5	0.382	54.9	0.852	0.849	44.9	1.203	BF exceeds limit NG
963683.3	15419885.1	1651.9	245.555	153.171	32.0	289.410	25.3	23.031	0.298	0.220	36.4	0.370	56.6	0.857	0.839	44.4	1.199	BF exceeds limit NG
963686.9	15419881.6	1651.5	237.306	147.619	31.9	279.473	24.8	22.240	0.277	0.201	36.0	0.343	52.9	0.887	0.801	42.1	1.195	BF exceeds limit NG
963690.6	15419878.2	1651.3	230.609	143.135	31.8	271.418	24.4	21.599	0.263	0.186	35.3	0.323	51.4	0.902	0.773	40.6	1.188	BF exceeds limit NG
963694.2	15419874.8	1651.3	225.326	139.612	31.8	265.073	24.1	21.094	0.255	0.175	34.4	0.309	52.1	0.904	0.752	39.7	1.176	BF exceeds limit NG
963697.8	15419871.3	1651.3	220.474	136.388	31.7	259.250	23.8	20.630	0.249	0.165	33.6	0.298	53.4	0.900	0.731	39.1	1.160	BF exceeds limit NG
963701.4	15419867.9	1651.3	215.747	133.257	31.7	253.582	23.5	20.179	0.242	0.156	32.8	0.288	54.5	0.893	0.709	38.4	1.140	BF exceeds limit NG
963705.1	15419864.4	1651.4	211.148	130.220	31.7	248.074	23.2	19.741	0.236	0.148	32.0	0.279	55.5	0.884	0.684	37.7	1.118	BF exceeds limit NG
963708.7	15419861.0	1651.3	206.246	126.995	31.6	242.209	22.9	19.274	0.229	0.139	31.4	0.268	55.8	0.875	0.656	36.9	1.093	BF exceeds limit NG
963712.3	15419857.6	1651.2	201.110	123.626	31.6	236.069	22.6	18.786	0.220	0.131	30.7	0.256	55.6	0.866	0.625	35.8	1.068	BF exceeds limit NG
963716.0	15419854.1	1651.1	196.177	120.402	31.5	230.178	22.3	18.317	0.211	0.123	30.1	0.244	55.3	0.855	0.594	34.8	1.041	BF exceeds limit NG
963719.6	15419850.7	1651.0	191.452	117.323	31.5	224.541	22.0	17.868	0.203	0.115	29.5	0.234	54.9	0.840	0.563	33.8	1.011	BF exceeds limit NG
963723.2	15419847.2	1650.9	186.932	114.389	31.5	219.154	21.7	17.440	0.196	0.108	28.8	0.224	54.3	0.823	0.533	32.9	0.980	BF exceeds limit NG
963726.9	15419843.8	1650.7	182.589	111.577	31.4	213.982	21.4	17.028	0.190	0.102	28.2	0.215	53.4	0.803	0.503	32.1	0.947	BF exceeds limit NG
963730.5	15419840.4	1650.6	178.384	108.861	31.4	208.978	21.1	16.630	0.183	0.096	27.6	0.207	52.2	0.781	0.475	31.3	0.914	BF exceeds limit NG
963734.1	15419836.9	1650.4	174.434	106.318	31.4	204.282	20.9	16.256	0.178	0.090	27.0	0.199	50.7	0.756	0.447	30.6	0.878	BF exceeds limit NG
963737.7	15419833.5	1650.3	170.752	103.953	31.3	199.907	20.6	15.908	0.173	0.086	26.4	0.193	48.8	0.728	0.421	30.0	0.841	
963741.4	15419830.1	1650.1	167.194	101.673	31.3	195.681	20.4	15.572	0.168	0.081	25.9	0.187	46.6	0.699	0.395	29.5	0.803	
963745.0	15419826.6	1649.6	162.542	98.699	31.3	190.162	20.1	15.133	0.157	0.074	25.2	0.174	44.9	0.675	0.367	28.5	0.768	
963748.6	15419823.2	1649.1	158.299	95.994	31.2	185.131	19.8	14.732	0.148	0.067	24.5	0.162	43.1	0.647	0.341	27.8	0.731	
963752.3	15419819.7	1649.2	156.954	95.139	31.2	183.538	19.7	14.605	0.153	0.069	24.5	0.168	39.6	0.601	0.325	28.4	0.683	
963755.9	15419816.3	1649.2	155.403	94.152	31.2	181.700	19.6	14.459	0.156	0.071	24.6	0.172	36.1	0.555	0.308	29.0	0.634	

Max BF along centerline is 865.358 (mG) at 225.000 (ft) from structure 8

Cross section results at max BF along centerline between structures 8 and 9


MAGNETIC FIELD VS. OFFSET RELATIVE TO LINE BETWEEN ST
225 (FT) AHEAD OF STRUCTURE 8
MAGNETIC FIELD (MG)
900
800
700
600
500
400
300
200
100
0
-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140
OFFSET (FT)



3D EMF Point Results Span from 8 to 9:

Measurement			B					H	EF					Space Potential				
X (ft)	Y (ft)	Z (ft)	Real (mG)	Imaginary (mG)	Angle (deg)	Magnitude (mG)	Polarization Axial Ratio %	Magnitude (A/m)	Real (kV/m)	Imaginary (kV/m)	Angle (deg)	Magnitude (kV/m)	Polarization Axial Ratio %	Real (kV)	Imaginary (kV)	Angle (deg)	Magnitude (kV)	
963554.6	15420199.9	1632.6	38.268	18.074	25.3	42.322	2.6	3.368	0.147	0.024	9.2	0.149	1.4	-0.710	-0.121	9.7	0.720	
963551.1	15420196.3	1654.2	44.724	20.601	24.7	49.241	1.5	3.918	0.164	0.027	9.2	0.166	0.2	0.302	0.035	6.6	0.304	
963547.7	15420192.7	1654.1	48.255	22.032	24.5	53.047	1.6	4.221	0.182	0.030	9.4	0.185	0.2	0.334	0.040	6.8	0.336	
963544.2	15420189.0	1654.0	52.215	23.613	24.3	57.306	1.8	4.560	0.204	0.034	9.5	0.207	0.3	0.366	0.045	7.0	0.369	
963540.8	15420185.4	1653.8	56.657	25.364	24.1	62.076	1.9	4.940	0.229	0.039	9.7	0.232	0.3	0.396	0.049	7.1	0.399	
963537.4	15420181.8	1653.6	61.690	27.316	23.9	67.467	2.1	5.369	0.258	0.044	9.8	0.262	0.4	0.429	0.054	7.2	0.433	
963533.9	15420178.1	1653.3	67.419	29.501	23.6	73.591	2.3	5.856	0.293	0.051	9.8	0.298	0.4	0.468	0.060	7.3	0.472	
963530.5	15420174.5	1653.1	73.976	31.958	23.4	80.584	2.6	6.413	0.334	0.058	9.9	0.339	0.4	0.512	0.067	7.5	0.516	
963527.0	15420170.9	1653.0	81.549	34.740	23.1	88.641	2.8	7.054	0.384	0.067	9.9	0.390	0.5	0.569	0.076	7.6	0.574	
963523.6	15420167.3	1652.9	90.377	37.912	22.8	98.007	3.1	7.799	0.443	0.078	10.0	0.450	0.5	0.648	0.089	7.8	0.654	
963520.2	15420163.6	1652.6	100.525	41.488	22.4	108.750	3.5	8.654	0.515	0.090	9.9	0.523	0.5	0.707	0.097	7.9	0.713	
963516.7	15420160.0	1652.2	112.386	45.575	22.1	121.275	4.0	9.651	0.603	0.105	9.9	0.612	0.5	0.767	0.107	7.9	0.774	
963513.3	15420156.4	1651.9	126.420	50.293	21.7	136.056	4.5	10.827	0.712	0.123	9.8	0.722	0.5	0.844	0.118	8.0	0.853	
963509.9	15420152.7	1651.8	143.345	55.821	21.3	153.831	5.0	12.241	0.846	0.145	9.7	0.858	0.5	0.976	0.139	8.1	0.985	
963506.4	15420149.1	1651.7	163.738	62.297	20.8	175.189	5.7	13.941	1.013	0.172	9.6	1.027	0.5	1.142	0.166	8.3	1.154	
963503.0	**15420145.5**	**1651.6**	**188.452**	**69.928**	**20.4**	**201.008**	**6.5**	**15.996**	**1.222**	**0.205**	**9.5**	**1.239**	**0.5**	**1.347**	**0.199**	**8.4**	**1.361**	**BF exceeds limit NG**
963499.5	**15420141.8**	**1651.4**	**218.595**	**78.989**	**19.9**	**232.428**	**7.5**	**18.496**	**1.484**	**0.246**	**9.4**	**1.504**	**0.5**	**1.597**	**0.240**	**8.5**	**1.614**	**BF exceeds limit NG**
963496.1	**15420138.2**	**1651.3**	**255.503**	**89.836**	**19.4**	**270.836**	**8.6**	**21.552**	**1.809**	**0.297**	**9.3**	**1.833**	**0.6**	**1.898**	**0.291**	**8.7**	**1.921**	**BF and EF exceed limits NG**
963492.7	**15420134.6**	**1651.2**	**300.669**	**102.927**	**18.9**	**317.798**	**10.1**	**25.290**	**2.206**	**0.363**	**9.4**	**2.235**	**0.7**	**2.254**	**0.357**	**9.0**	**2.282**	**BF and EF exceed limits NG**
963489.2	**15420131.0**	**1651.1**	**355.447**	**118.854**	**18.5**	**374.792**	**11.8**	**29.825**	**2.672**	**0.451**	**9.6**	**2.710**	**0.9**	**2.654**	**0.443**	**9.5**	**2.691**	**BF and EF exceed limits NG**
963485.8	**15420127.3**	**1651.0**	**420.619**	**138.419**	**18.2**	**442.810**	**14.0**	**35.238**	**3.182**	**0.569**	**10.1**	**3.232**	**1.4**	**3.078**	**0.561**	**10.3**	**3.129**	**BF and EF exceed limits NG**
963482.3	**15420123.7**	**1651.0**	**495.538**	**162.728**	**18.2**	**521.573**	**16.7**	**41.505**	**3.663**	**0.732**	**11.3**	**3.735**	**2.3**	**3.493**	**0.730**	**11.8**	**3.568**	**BF and EF exceed limits NG**

963478.9	15420120.1	1650.9	574.541	192.908	18.6	606.061	20.1	48.229	3.981	0.959	13.5	4.095	4.0	3.722	0.963	14.5	3.845	BF and EF exceed limits NG
963475.5	15420116.4	1650.9	648.002	230.305	19.6	687.711	24.3	54.726	3.965	1.267	17.7	4.162	6.9	3.601	1.272	19.5	3.819	BF and EF exceed limits NG
963472.0	15420112.8	1650.9	704.466	276.093	21.4	756.636	29.6	60.211	3.491	1.652	25.3	3.862	12.0	3.020	1.648	28.6	3.441	BF and EF exceed limits NG
963468.6	15420109.2	1650.8	735.995	330.551	24.2	806.816	35.8	64.204	2.588	2.064	38.6	3.310	20.6	2.014	2.038	45.4	2.865	BF and EF exceed limits NG
963465.1	15420105.6	1650.8	742.543	392.455	27.9	839.876	42.7	66.835	1.482	2.394	58.2	2.816	30.4	0.776	2.354	71.8	2.478	BF and EF exceed limits NG
963461.7	15420101.9	1650.8	727.778	457.248	32.1	859.498	48.7	68.397	0.813	2.486	71.9	2.616	32.6	-0.495	2.442	-78.5	2.491	BF and EF exceed limits NG
963458.3	15420098.3	1650.8	695.566	514.812	36.5	865.358	51.2	68.863	1.384	2.191	57.7	2.592	30.7	-1.614	2.089	-52.3	2.640	BF and EF exceed limits NG
963454.8	15420094.7	1650.8	653.910	554.463	40.3	857.338	48.6	68.225	2.119	1.499	35.3	2.595	32.9	-2.432	1.243	-27.1	2.731	BF and EF exceed limits NG
963451.4	15420091.0	1650.7	611.463	571.231	43.1	836.775	42.6	66.588	2.652	0.828	17.3	2.779	31.0	-2.953	0.080	-1.6	2.954	BF and EF exceed limits NG
963448.0	15420087.4	1650.7	569.933	563.101	44.7	801.190	35.8	63.757	2.974	1.327	24.0	3.256	20.8	-3.225	-1.132	19.3	3.418	BF and EF exceed limits NG
963444.5	15420083.8	1650.6	526.125	531.223	45.3	747.666	29.5	59.497	3.093	2.199	35.4	3.795	11.9	-3.284	-2.116	32.8	3.907	BF and EF exceed limits NG
963441.1	15420080.1	1650.7	479.678	484.544	45.3	681.816	24.3	54.257	3.020	2.776	42.6	4.102	6.9	-3.289	-2.818	40.6	4.331	BF and EF exceed limits NG
963437.6	15420076.5	1650.8	427.262	425.234	44.9	602.807	20.1	47.970	2.779	2.940	46.6	4.046	4.1	-3.121	-3.110	44.9	4.406	BF and EF exceed limits NG
963434.2	15420072.9	1651.0	373.882	363.999	44.2	521.808	16.7	41.524	2.437	2.785	48.8	3.701	2.5	-2.891	-3.127	47.3	4.259	BF and EF exceed limits NG
963430.8	15420069.3	1651.4	324.730	308.697	43.6	448.044	13.9	35.654	2.066	2.461	50.0	3.213	1.6	-2.723	-3.083	48.5	4.113	BF and EF exceed limits NG
963427.3	15420065.6	1651.8	279.611	259.019	42.8	381.147	11.6	30.331	1.714	2.083	50.5	2.698	1.1	-2.479	-2.867	49.1	3.790	BF and EF exceed limits NG
963423.9	15420062.0	1652.1	240.488	217.124	42.1	324.002	9.8	25.783	1.408	1.725	50.8	2.227	0.7	-2.226	-2.595	49.4	3.419	BF and EF exceed limits NG
963420.4	15420058.4	1652.7	208.142	183.521	41.4	277.494	8.3	22.082	1.155	1.416	50.8	1.827	0.6	-2.055	-2.402	49.5	3.161	BF and EF exceed limits NG
963417.0	15420054.7	1653.2	180.976	156.033	40.8	238.953	7.1	19.015	0.949	1.160	50.7	1.499	0.5	-1.893	-2.210	49.4	2.910	BF exceeds limit NG
963413.6	15420051.1	1653.8	158.196	133.553	40.2	207.032	6.0	16.475	0.784	0.955	50.6	1.235	0.5	-1.738	-2.021	49.3	2.665	BF exceeds limit NG
963410.1	15420047.5	1654.4	139.088	115.142	39.6	180.563	5.2	14.369	0.652	0.790	50.5	1.025	0.4	-1.591	-1.842	49.2	2.434	
963406.7	15420043.9	1655.0	123.029	100.015	39.1	158.553	4.5	12.617	0.546	0.659	50.3	0.856	0.4	-1.458	-1.680	49.0	2.224	
963403.2	15420040.2	1655.5	109.450	87.494	38.6	140.123	3.9	11.151	0.461	0.554	50.2	0.721	0.4	-1.335	-1.530	48.9	2.031	
963399.8	15420036.6	1656.0	97.923	77.076	38.2	124.618	3.4	9.917	0.393	0.470	50.1	0.612	0.3	-1.225	-1.399	48.8	1.859	
963396.4	15420033.0	1656.6	88.081	68.346	37.8	111.487	3.0	8.872	0.336	0.402	50.1	0.524	0.3	-1.129	-1.284	48.7	1.709	
963392.9	15420029.3	1657.1	79.617	60.970	37.4	100.281	2.6	7.980	0.290	0.346	50.0	0.452	0.3	-1.042	-1.181	48.6	1.575	
963389.5	15420025.7	1657.4	72.246	54.647	37.1	90.585	2.3	7.209	0.252	0.301	50.0	0.392	0.2	-0.952	-1.075	48.5	1.436	
963386.0	15420022.1	1657.7	65.848	49.244	36.8	82.225	2.1	6.543	0.220	0.263	50.0	0.343	0.2	-0.874	-0.984	48.4	1.316	
963382.6	15420018.4	1658.1	60.262	44.595	36.5	74.968	1.9	5.966	0.194	0.231	50.0	0.302	0.3	-0.806	-0.905	48.3	1.212	
963379.2	15420014.8	1658.4	55.359	40.569	36.2	68.632	1.7	5.462	0.171	0.205	50.1	0.267	0.3	-0.746	-0.836	48.2	1.121	
963375.7	15420011.2	1658.7	51.026	37.056	36.0	63.062	1.5	5.018	0.152	0.182	50.2	0.237	0.4	-0.692	-0.773	48.2	1.038	
963372.3	15420007.6	1658.7	47.146	33.945	35.8	58.095	1.4	4.623	0.136	0.163	50.2	0.212	0.4	-0.632	-0.703	48.1	0.945	
963368.9	15420003.9	1658.6	43.698	31.212	35.5	53.700	1.3	4.273	0.122	0.147	50.3	0.191	0.5	-0.579	-0.642	47.9	0.864	
963365.4	15420000.3	1658.6	40.619	28.798	35.3	49.792	1.2	3.962	0.110	0.133	50.4	0.172	0.6	-0.533	-0.588	47.8	0.794	
963362.0	15419996.7	1658.6	37.864	26.659	35.1	46.308	1.1	3.685	0.099	0.120	50.6	0.156	0.7	-0.495	-0.544	47.7	0.735	

Critical Energy/Electric Infrastructure Information (CEII) Has Been Redacted From This Document

PLS-CADD Version 20.01x64 10:10:03 AM Thursday, February 27, 2025
Quanta Services - Dashiell
Project Name: 'C:\projects\L68\0026-0068-700 REV 0-0E PLS CADD MODEL.don'
Line Title: 'PROPOSED L723 AND PROPOSED L68 MERGED'

3D EMF Calculation Notes:
1) Calculations based on the EPRI Red Book methods (3rd Edition, 2005 - 7.4 Calculation of Magnetic Fields and Appendices 7.1 Calculation of Field Ellipse Parameters and 7.6 Electric Field Calculations for 3D Geometry).
2) All wire positions are modeled at the specified weather case and wind direction. Height above ground determined by the modeled ground TIN.
3) Only the effects of wires are being analyzed. The effects of structures are not included unless enabled as noted below.
4) Ground return is being ignored for magnetic field calculations.

Meter height above ground:	3.28 (ft)
Maximum wire distance:	500.00 (ft)
Maximum cable segment size:	5.00 (ft)
Cross section offset +/-:	190.00 (ft)
Result interval:	5.00 (ft)
Electric field limit:	1.60 (kV/m)
Magnetic field limit:	200.00 (mG)
Space potential limit:	0.00 (kV)
Contour Map Spacing:	15 (ft)
Analyzing spans between these structures:	77 - 78

One or more sections have wind from both directions which is not supported. A wind direction of left is being used for those sections.

Section Data for 3D EMF Results:

Section Number	Section Note	Voltage Ph-Ph (kV)	Current (Amps)	Cable Filename	Cable Description	Conductors Per Phase	Bundle Diameter (in)	Cable Radius (in)	Weather Case	Condition	Wind Dir.	WC Temperature (deg F)	Effective Radius (in)
26		0.0	0.0	7no_7_alumoweld - 5750.wir	7#7 Alumoweld 7 Strands Alumoweld - Adapted from 1970's Publicly Available Data	1	0.000	0.216	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.216
46		0.0	0.0	TF-DNO-11467 - 6750.wir	AFL OPGW DNO-11467 S4-53/61/583	1	0.000	0.291	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.291
66		230.0	[redacted]	bunting_acsr - 12,000 lbs.wir 1192.5 kcmil 45/7 Strands BUNTING ACSR - Adapted from 1970's Publicly Available Data		2	18.000	0.651	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	3.423

Centerline results between structures 77 and 78

3D EMF Point Results Centerline from 77 to 78:

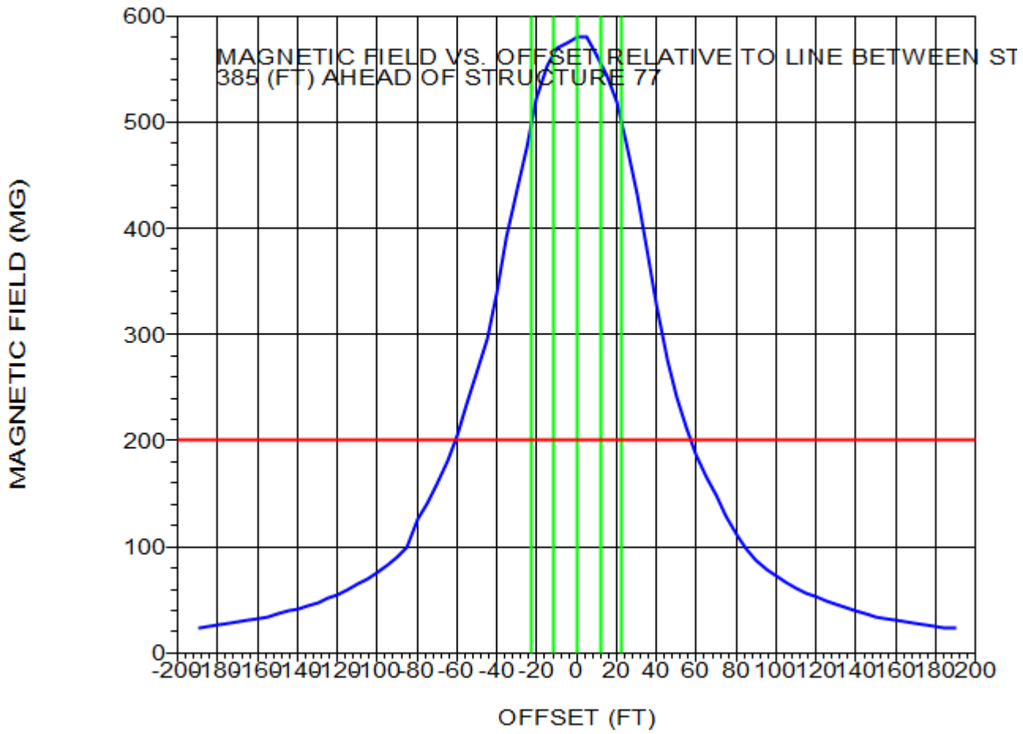
Measurement X (ft)	Y (ft)	Z (ft)	B Real (mG)	B Imaginary (mG)	B Angle (deg)	B Magnitude (mG)	B Polarization Axial Ratio %	H Magnitude (A/m)	EF Real (kV/m)	EF Imaginary (kV/m)	EF Angle (deg)	EF Magnitude (kV/m)	EF Polarization Axial Ratio %	Space Potential Real (kV)	Space Potential Imaginary (kV)	Space Potential Angle (deg)	Space Potential Magnitude (kV)		
1001840.6	15387293.9	1457.2	164.896	100.196	31.3	192.950	20.2	15.355	0.242	0.272	48.3	0.364	55.6	-2.849	-2.435	40.5	3.748		
1001844.6	15387290.9	1457.4	164.380	99.866	31.3	192.339	20.2	15.306	0.249	0.271	47.4	0.369	59.2	-2.761	-2.453	41.6	3.693		
1001848.6	15387287.9	1457.8	165.067	100.305	31.3	193.153	20.2	15.371	0.263	0.274	46.1	0.379	61.1	-2.652	-2.441	42.6	3.604		
1001852.6	15387284.9	1457.9	164.956	100.234	31.3	193.021	20.2	15.360	0.273	0.274	45.1	0.386	63.0	-2.546	-2.428	43.6	3.518		
1001856.6	15387281.9	1457.7	163.969	99.601	31.3	191.849	20.2	15.267	0.279	0.271	44.2	0.389	65.0	-2.441	-2.417	44.7	3.435		
1001860.6	**15387278.9**	**1459.3**	**171.179**	**104.221**	**31.3**	**200.411**	**20.6**	**15.948**	**0.317**	**0.285**	**41.9**	**0.426**	**58.4**	**-2.266**	**-2.269**	**45.0**	**3.207**	**BF exceeds limit**	**NG**
1001864.6	**15387275.9**	**1460.7**	**177.838**	**108.506**	**31.4**	**208.326**	**21.1**	**16.578**	**0.351**	**0.297**	**40.2**	**0.460**	**53.5**	**-2.109**	**-2.126**	**45.2**	**2.995**	**BF exceeds limit**	**NG**
1001868.6	15387272.9	1459.0	170.324	103.669	31.3	199.393	20.6	15.867	0.325	0.278	40.5	0.427	57.9	-2.033	-2.166	46.8	2.970		
1001872.6	15387269.9	1456.6	160.321	97.268	31.2	187.521	19.9	14.922	0.293	0.255	41.1	0.388	65.0	-1.962	-2.228	48.6	2.968		
1001876.6	15387266.9	1452.5	144.810	87.424	31.1	169.154	18.8	13.461	0.257	0.228	41.6	0.344	78.2	-1.913	-2.365	51.0	3.042		
1001880.6	15387263.9	1449.2	133.728	80.450	31.0	156.062	18.0	12.419	0.252	0.216	40.6	0.331	81.7	-1.827	-2.427	53.0	3.038		
1001884.6	15387260.9	1447.1	127.453	76.524	31.0	148.662	17.6	11.830	0.252	0.208	39.5	0.326	79.0	-1.700	-2.392	54.6	2.934		
1001888.6	15387257.9	1446.6	126.665	76.031	31.0	147.732	17.5	11.756	0.238	0.195	39.4	0.308	77.1	-1.546	-2.250	55.5	2.730		
1001892.6	15387254.9	1446.3	126.406	75.870	31.0	147.427	17.5	11.732	0.221	0.181	39.3	0.286	75.9	-1.396	-2.099	56.4	2.521		
1001896.6	15387251.9	1446.6	127.820	76.752	31.0	149.093	17.6	11.864	0.201	0.166	39.5	0.261	75.4	-1.253	-1.932	57.0	2.303		
1001900.6	15387248.9	1446.5	128.347	77.081	31.0	149.714	17.6	11.914	0.183	0.150	39.4	0.237	75.3	-1.123	-1.787	57.9	2.111		
1001904.6	15387245.9	1446.4	128.550	77.208	31.0	149.954	17.6	11.933	0.166	0.135	39.1	0.214	75.7	-1.002	-1.658	58.8	1.937		
1001908.6	15387242.9	1446.8	130.519	78.439	31.0	152.276	17.8	12.118	0.151	0.122	38.9	0.194	76.4	-0.892	-1.526	59.7	1.767		
1001912.6	15387239.9	1447.3	133.092	80.050	31.0	155.311	18.0	12.359	0.138	0.110	38.6	0.177	76.5	-0.792	-1.407	60.6	1.614		
1001916.6	15387236.9	1447.8	135.537	81.583	31.0	158.197	18.2	12.589	0.129	0.101	38.0	0.164	75.7	-0.702	-1.305	61.7	1.482		
1001920.6	15387233.9	1447.7	135.906	81.815	31.0	158.632	18.2	12.624	0.117	0.090	37.6	0.148	76.5	-0.617	-1.234	63.4	1.379		
1001924.6	15387230.9	1447.8	137.223	82.643	31.1	160.187	18.3	12.747	0.109	0.083	37.2	0.137	75.9	-0.539	-1.171	65.3	1.289		

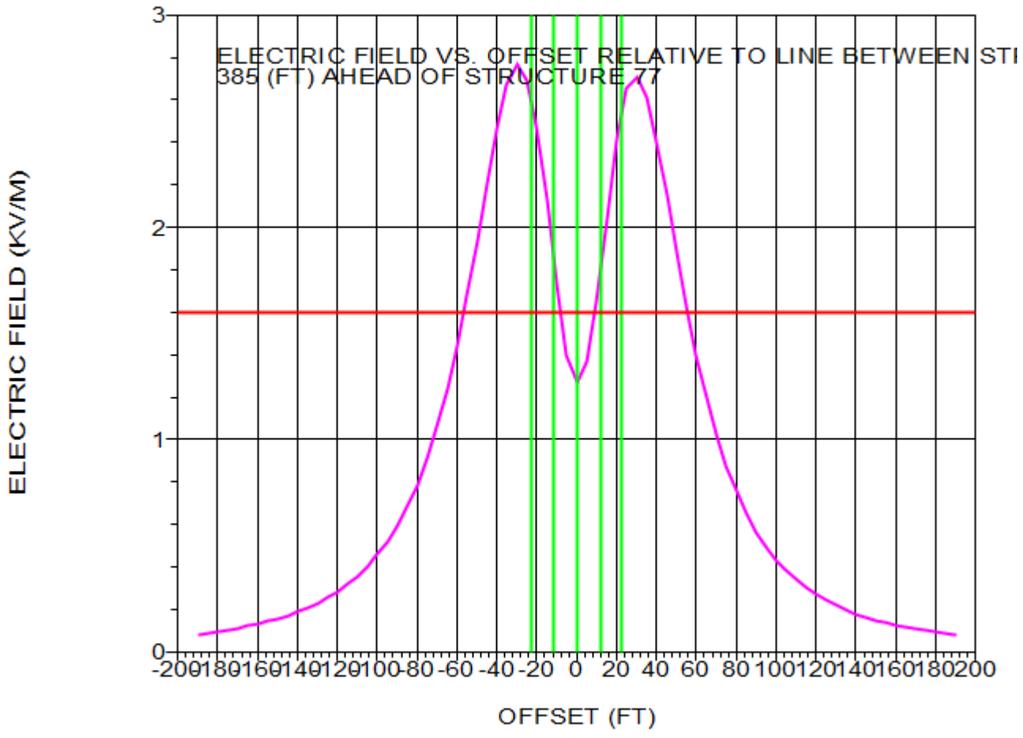
1001928.6	15387227.9	1448.0	138.695	83.568	31.1	161.926	18.4	12.886	0.102	0.077	37.0	0.127	75.0	-0.467	-1.121	67.4	1.215		
1001932.6	15387224.9	1448.2	140.220	84.528	31.1	163.727	18.5	13.029	0.096	0.073	37.1	0.120	74.2	-0.399	-1.087	69.9	1.157		
1001936.6	15387221.9	1448.5	141.846	85.552	31.1	165.648	18.6	13.182	0.091	0.070	37.7	0.115	73.7	-0.333	-1.066	72.7	1.117		
1001940.6	15387218.9	1448.7	143.649	86.690	31.1	167.780	18.7	13.352	0.088	0.070	38.6	0.112	73.7	-0.269	-1.058	75.7	1.092		
1001944.6	15387215.9	1449.0	145.466	87.837	31.1	169.928	18.9	13.522	0.086	0.072	40.1	0.112	73.0	-0.205	-1.066	79.1	1.085		
1001948.6	15387212.9	1449.3	147.254	88.967	31.1	172.043	19.0	13.691	0.084	0.076	42.0	0.113	70.0	-0.140	-1.088	82.7	1.097		
1001952.6	15387209.9	1449.4	148.546	89.785	31.2	173.572	19.1	13.812	0.082	0.081	44.8	0.115	61.0	-0.070	-1.130	86.5	1.132		
1001956.6	15387207.0	1449.5	149.710	90.523	31.2	174.950	19.2	13.922	0.081	0.089	47.9	0.120	49.7	0.004	-1.189	-89.8	1.189		
1001960.6	15387204.0	1449.6	150.846	91.244	31.2	176.295	19.2	14.029	0.081	0.100	50.9	0.129	39.1	0.081	-1.264	-86.3	1.267		
1001964.6	15387201.0	1449.8	152.222	92.117	31.2	177.924	19.3	14.159	0.083	0.113	53.6	0.141	31.8	0.158	-1.352	-83.3	1.361		
1001968.6	15387198.0	1450.1	154.309	93.442	31.2	180.396	19.5	14.355	0.086	0.128	56.0	0.154	28.2	0.229	-1.442	-81.0	1.460		
1001972.6	15387195.0	1450.6	157.025	95.171	31.2	183.615	19.7	14.612	0.087	0.142	58.6	0.166	26.0	0.287	-1.528	-79.4	1.555		
1001976.6	15387192.0	1451.4	161.091	97.762	31.3	188.435	19.9	14.995	0.084	0.153	61.4	0.175	25.7	0.316	-1.587	-78.8	1.618		
1001980.6	**15387189.0**	**1455.1**	**179.743**	**109.737**	**31.4**	**210.594**	**21.2**	**16.759**	**0.138**	**0.171**	**51.1**	**0.219**	**80.7**	**0.168**	**-1.390**	**-83.1**	**1.401**	**BF exceeds limit**	**NG**
1001984.6	**15387186.0**	**1459.1**	**203.618**	**125.281**	**31.6**	**239.073**	**22.7**	**19.025**	**0.250**	**0.220**	**41.3**	**0.333**	**56.9**	**-0.038**	**-1.111**	**88.1**	**1.111**	**BF exceeds limit**	**NG**
1001988.6	**15387183.0**	**1462.0**	**223.733**	**138.570**	**31.8**	**263.170**	**24.0**	**20.942**	**0.341**	**0.271**	**38.5**	**0.435**	**45.1**	**-0.223**	**-0.876**	**75.7**	**0.904**	**BF exceeds limit**	**NG**
1001992.6	**15387180.0**	**1465.2**	**249.167**	**155.634**	**32.0**	**293.779**	**25.5**	**23.378**	**0.454**	**0.340**	**36.8**	**0.568**	**38.9**	**-0.454**	**-0.570**	**51.4**	**0.729**	**BF exceeds limit**	**NG**
1001996.6	**15387177.0**	**1465.3**	**251.181**	**157.000**	**32.0**	**296.211**	**25.7**	**23.572**	**0.445**	**0.340**	**37.4**	**0.561**	**39.1**	**-0.560**	**-0.519**	**42.8**	**0.764**	**BF exceeds limit**	**NG**
1002000.6	**15387174.0**	**1463.4**	**236.688**	**147.229**	**31.9**	**278.743**	**24.8**	**22.182**	**0.349**	**0.291**	**39.8**	**0.454**	**43.3**	**-0.598**	**-0.642**	**47.0**	**0.877**	**BF exceeds limit**	**NG**
1002004.6	**15387171.0**	**1462.2**	**228.495**	**141.749**	**31.8**	**268.892**	**24.3**	**21.398**	**0.283**	**0.260**	**42.6**	**0.384**	**47.7**	**-0.708**	**-0.671**	**43.5**	**0.976**	**BF exceeds limit**	**NG**
1002008.6	**15387168.0**	**1460.8**	**218.650**	**135.203**	**31.7**	**257.075**	**23.7**	**20.457**	**0.209**	**0.226**	**47.2**	**0.308**	**55.6**	**-0.847**	**-0.700**	**39.6**	**1.099**	**BF exceeds limit**	**NG**
1002012.6	**15387165.0**	**1459.9**	**213.106**	**131.537**	**31.7**	**250.432**	**23.3**	**19.929**	**0.167**	**0.204**	**50.7**	**0.264**	**63.0**	**-1.048**	**-0.651**	**31.9**	**1.234**	**BF exceeds limit**	**NG**
1002016.6	**15387162.0**	**1458.7**	**205.775**	**126.709**	**31.6**	**241.658**	**22.9**	**19.231**	**0.144**	**0.181**	**51.5**	**0.231**	**76.4**	**-1.277**	**-0.604**	**25.3**	**1.413**	**BF exceeds limit**	**NG**
1002020.6	**15387159.0**	**1456.9**	**195.320**	**119.863**	**31.5**	**229.166**	**22.2**	**18.236**	**0.186**	**0.161**	**40.9**	**0.246**	**86.6**	**-1.538**	**-0.578**	**20.6**	**1.643**	**BF exceeds limit**	**NG**
1002024.6	**15387156.0**	**1457.5**	**198.849**	**122.171**	**31.6**	**233.381**	**22.5**	**18.572**	**0.206**	**0.157**	**37.2**	**0.259**	**75.8**	**-1.848**	**-0.359**	**11.0**	**1.883**	**BF exceeds limit**	**NG**
1002028.6	**15387153.0**	**1458.5**	**206.201**	**126.922**	**31.6**	**242.132**	**22.8**	**19.268**	**0.211**	**0.154**	**36.2**	**0.262**	**72.3**	**-2.152**	**-0.104**	**2.8**	**2.155**	**BF exceeds limit**	**NG**
1002032.6	**15387150.0**	**1460.2**	**217.549**	**134.406**	**31.7**	**255.720**	**23.5**	**20.350**	**0.196**	**0.162**	**39.5**	**0.254**	**77.5**	**-2.424**	**0.181**	**-4.3**	**2.431**	**BF exceeds limit**	**NG**
1002036.6	**15387147.0**	**1460.5**	**219.942**	**135.992**	**31.7**	**258.589**	**23.7**	**20.578**	**0.218**	**0.156**	**35.6**	**0.268**	**67.6**	**-2.694**	**0.369**	**-7.8**	**2.719**	**BF exceeds limit**	**NG**
1002040.6	**15387144.0**	**1460.4**	**219.329**	**135.586**	**31.7**	**257.854**	**23.6**	**20.519**	**0.263**	**0.147**	**29.1**	**0.301**	**52.0**	**-2.960**	**0.526**	**-10.1**	**3.007**	**BF exceeds limit**	**NG**
1002044.6	**15387141.0**	**1460.4**	**219.587**	**135.757**	**31.7**	**258.163**	**23.6**	**20.544**	**0.315**	**0.143**	**24.4**	**0.346**	**40.0**	**-3.206**	**0.684**	**-12.0**	**3.278**	**BF exceeds limit**	**NG**
1002048.6	**15387138.0**	**1460.6**	**221.221**	**136.841**	**31.7**	**260.124**	**23.7**	**20.700**	**0.366**	**0.146**	**21.7**	**0.394**	**31.8**	**-3.418**	**0.842**	**-13.8**	**3.520**	**BF exceeds limit**	**NG**
1002052.6	**15387135.0**	**1461.4**	**226.949**	**140.650**	**31.8**	**266.999**	**24.1**	**21.247**	**0.390**	**0.153**	**21.4**	**0.419**	**28.8**	**-3.567**	**1.017**	**-15.9**	**3.709**	**BF exceeds limit**	**NG**
1002056.6	**15387132.0**	**1462.5**	**235.059**	**146.068**	**31.9**	**276.746**	**24.6**	**22.023**	**0.396**	**0.164**	**22.5**	**0.428**	**28.8**	**-3.653**	**1.189**	**-18.0**	**3.842**	**BF exceeds limit**	**NG**
1002060.6	**15387129.0**	**1463.6**	**243.510**	**151.746**	**31.9**	**286.921**	**25.1**	**22.832**	**0.401**	**0.180**	**24.2**	**0.440**	**30.7**	**-3.683**	**1.342**	**-20.0**	**3.920**	**BF exceeds limit**	**NG**
1002064.6	**15387126.0**	**1464.8**	**253.223**	**158.312**	**32.0**	**298.637**	**25.7**	**23.765**	**0.398**	**0.203**	**27.0**	**0.446**	**36.2**	**-3.646**	**1.481**	**-22.1**	**3.935**	**BF exceeds limit**	**NG**
1002068.6	**15387123.0**	**1466.2**	**265.351**	**166.572**	**32.1**	**313.301**	**26.4**	**24.932**	**0.376**	**0.231**	**31.6**	**0.442**	**47.4**	**-3.538**	**1.612**	**-24.5**	**3.888**	**BF exceeds limit**	**NG**
1002072.6	**15387120.0**	**1467.7**	**279.186**	**176.081**	**32.2**	**330.075**	**27.2**	**26.267**	**0.346**	**0.267**	**37.6**	**0.437**	**65.1**	**-3.371**	**1.734**	**-27.2**	**3.791**	**BF exceeds limit**	**NG**
1002076.6	**15387117.0**	**1469.3**	**294.299**	**186.574**	**32.4**	**348.456**	**28.1**	**27.729**	**0.316**	**0.309**	**44.4**	**0.442**	**90.1**	**-3.157**	**1.848**	**-30.3**	**3.658**	**BF exceeds limit**	**NG**
1002080.6	**15387114.0**	**1470.6**	**308.107**	**196.258**	**32.5**	**365.304**	**28.9**	**29.070**	**0.309**	**0.357**	**49.1**	**0.472**	**82.6**	**-2.910**	**1.936**	**-33.6**	**3.495**	**BF exceeds limit**	**NG**
1002084.6	**15387111.0**	**1472.1**	**324.315**	**207.748**	**32.6**	**385.148**	**29.8**	**30.649**	**0.302**	**0.408**	**53.5**	**0.507**	**60.5**	**-2.637**	**2.038**	**-37.7**	**3.333**	**BF exceeds limit**	**NG**
1002088.6	**15387108.0**	**1473.8**	**345.148**	**222.716**	**32.8**	**410.767**	**31.0**	**32.688**	**0.301**	**0.461**	**56.9**	**0.550**	**41.1**	**-2.369**	**2.188**	**-42.7**	**3.225**	**BF exceeds limit**	**NG**
1002092.6	**15387105.0**	**1475.8**	**371.109**	**241.688**	**33.1**	**442.871**	**32.5**	**35.243**	**0.334**	**0.519**	**57.2**	**0.617**	**32.2**	**-2.137**	**2.401**	**-48.3**	**3.214**	**BF exceeds limit**	**NG**
1002096.6	**15387102.0**	**1477.8**	**400.580**	**263.673**	**33.4**	**479.570**	**34.1**	**38.163**	**0.421**	**0.588**	**54.4**	**0.723**	**38.9**	**-1.962**	**2.661**	**-53.6**	**3.306**	**BF exceeds limit**	**NG**
1002100.6	**15387099.0**	**1479.2**	**421.902**	**279.885**	**33.6**	**506.297**	**35.3**	**40.290**	**0.501**	**0.648**	**52.3**	**0.819**	**42.9**	**-1.784**	**2.839**	**-57.9**	**3.353**	**BF exceeds limit**	**NG**
1002104.6	**15387096.0**	**1480.1**	**436.043**	**290.784**	**33.7**	**524.108**	**36.1**	**41.707**	**0.555**	**0.697**	**51.5**	**0.891**	**42.0**	**-1.598**	**2.934**	**-61.4**	**3.341**	**BF exceeds limit**	**NG**
1002108.6	**15387093.0**	**1481.2**	**455.178**	**305.722**	**33.9**	**548.319**	**37.2**	**43.634**	**0.631**	**0.758**	**50.2**	**0.986**	**46.2**	**-1.490**	**3.074**	**-64.1**	**3.416**	**BF exceeds limit**	**NG**
1002112.6	**15387090.0**	**1481.7**	**461.177**	**310.452**	**33.9**	**555.936**	**37.5**	**44.240**	**0.649**	**0.795**	**50.8**	**1.026**	**42.4**	**-1.326**	**3.047**	**-66.5**	**3.323**	**BF exceeds limit**	**NG**
1002116.7	**15387087.0**	**1482.1**	**467.886**	**315.767**	**34.0**	**564.470**	**37.9**	**44.919**	**0.670**	**0.838**	**51.3**	**1.073**	**41.1**	**-1.210**	**3.004**	**-68.1**	**3.238**	**BF exceeds limit**	**NG**
1002120.7	**15387084.0**	**1482.5**	**472.957**	**319.804**	**34.1**	**570.932**	**38.2**	**45.433**	**0.685**	**0.879**	**52.1**	**1.114**	**40.4**	**-1.124**	**2.915**	**-68.9**	**3.125**	**BF exceeds limit**	**NG**
1002124.7	**15387081.0**	**1483.0**	**479.318**	**324.890**	**34.1**	**579.050**	**38.6**	**46.079**	**0.706**	**0.924**	**52.6**	**1.163**	**41.9**	**-1.089**	**2.823**	**-68.9**	**3.026**	**BF exceeds limit**	**NG**
1002128.7	**15387078.0**	**1482.8**	**472.573**	**319.498**	**34.1**	**570.442**	**38.2**	**45.394**	**0.672**	**0.942**	**54.5**	**1.157**	**36.1**	**-0.972**	**2.547**	**-69.1**	**2.727**	**BF exceeds limit**	**NG**
1002132.7	**15387075.0**	**1483.0**	**473.217**	**320.012**	**34.1**	**571.263**	**38.2**	**45.460**	**0.671**	**0.971**	**55.4**	**1.180**	**35.8**	**-0.949**	**2.358**	**-68.1**	**2.542**	**BF exceeds limit**	**NG**
1002136.7	**15387072.0**	**1483.5**	**479.499**	**325.036**	**34.1**	**579.282**	**38.6**	**46.098**	**0.695**	**1.006**	**55.4**	**1.223**	**39.5**	**-0.998**	**2.250**	**-66.1**	**2.462**	**BF exceeds limit**	**NG**
1002140.7	**15387069.0**	**1483.7**	**479.934**	**325.385**	**34.1**	**579.838**	**38.6**	**46.142**	**0.695**	**1.027**	**55.9**	**1.240**	**39.8**	**-1.012**	**2.071**	**-64.0**	**2.305**	**BF exceeds limit**	**NG**
1002144.7	**15387066.0**	**1483.9**	**479.171**	**324.774**	**34.1**	**578.863**	**38.6**	**46.064**	**0.691**	**1.042**	**56.4**	**1.251**	**39.7**	**-1.027**	**1.886**	**-61.4**	**2.148**	**BF exceeds limit**	**NG**
1002148.7	**15387063.0**	**1484.1**	**480.570**	**325.896**	**34.1**	**580.651**	**38.6**	**46.207**	**0.698**	**1.059**	**56.6**	**1.268**	**41.2**	**-1.072**	**1.747**	**-58.5**	**2.050**	**BF exceeds limit**	**NG**
1002152.7	**15387060.0**	**1484.3**	**479.650**	**325.158**	**34.1**	**579.476**	**38.6**	**46.113**	**0.695**	**1.068**	**57.0**	**1.274**	**41.5**	**-1.106**	**1.588**	**-55.2**	**1.935**	**BF exceeds limit**	**NG**
1002156.7	**15387057.0**	**1484.4**	**476.279**	**322.460**	**34.1**	**575.171**	**38.4**	**45.771**	**0.681**	**1.072**	**57.6**	**1.270**	**40.6**	**-1.126**	**1.406**	**-51.3**	**1.801**	**BF exceeds limit**	**NG**
1002160.7	**15387054.0**	**1484.4**	**472.774**	**319.661**	**34.1**	**570.700**	**38.2**	**45.415**	**0.668**	**1.074**	**58.1**	**1.265**	**39.8**	**-1.153**	**1.235**	**-47.0**	**1.689**	**BF exceeds limit**	**NG**
1002164.7	**15387051.0**	**1484.5**	**470.006**	**317.456**	**34.0**	**567.172**	**38.0**	**45.134**	**0.658**	**1.076**	**58.6**	**1.262**	**39.6**	**-1.195**	**1.089**	**-42.3**	**1.617**	**BF exceeds limit**	**NG**
1002168.7	**15387048.0**	**1484.7**	**469.673**	**317.192**	**34.0**	**566.749**	**38.0**	**45.100**	**0.659**	**1.082**	**58.7**	**1.266**	**40.9**	**-1.267**	**0.998**	**-38.2**	**1.613**	**BF exceeds limit**	**NG**
1002172.7	**15387045.0**	**1485.1**	**471.219**	**318.423**	**34.0**	**568.718**	**38.1**	**45.257**	**0.666**	**1.089**	**58.5**	**1.277**	**43.4**	**-1.367**	**0.957**	**-35.0**	**1.668**	**BF exceeds limit**	**NG**
1002176.7	**15387042.0**	**1485.4**	**472.568**	**319.498**	**34.1**	**570.438**	**38.2**	**45.394**	**0.672**	**1.092**	**58.4**	**1.283**	**46.0**	**-1.476**	**0.935**	**-32.3**	**1.747**	**BF exceeds limit**	**NG**
1002180.7	**15387039.0**	**1485.5**	**469.027**	**316.679**	**34.0**	**565.925**	**38.0**	**45.035**	**0.654**	**1.081**	**58.8**	**1.263**	**46.0**	**-1.560**	**0.858**	**-28.8**	**1.780**	**BF exceeds limit**	**NG**
1002184.7	**15387036.0**	**1485.6**	**466.003**	**314.277**	**34.0**	**562.075**	**37.8**	**44.729**	**0.635**	**1.066**	**59.2**	**1.241**	**46.5**	**-1.661**	**0.816**	**-26.2**	**1.850**	**BF exceeds limit**	**NG**
1002188.7	**15387033.0**	**1485.9**	**467.130**	**315.172**	**34.0**	**563.510**	**37.9**	**44.843**	**0.636**	**1.056**	**58.9**	**1.232**	**49.6**	**-1.802**	**0.862**	**-25.6**	**1.998**	**BF exceeds limit**	**NG**
1002192.7	**15387030.0**	**1486.1**	**464.575**	**313.146**	**34.0**	**560.259**	**37.7**	**44.584**	**0.618**	**1.033**	**59.1**	**1.204**	**51.0**	**-1.922**	**0.870**	**-24.3**	**2.110**	**BF exceeds limit**	**NG**
1002196.7	**15387027.0**	**1485.6**	**449.872**	**301.564**	**33.8**	**541.596**	**36.9**	**43.099**	**0.540**	**0.980**	**61.2**	**1.119**	**45.5**	**-1.963**	**0.707**	**-19.8**	**2.087**	**BF exceeds limit**	**NG**
1002200.7	**15387024.0**	**1485.1**	**434.801**	**289.829**	**33.7**	**522.545**	**36.1**	**41.583**	**0.461**	**0.926**	**63.5**	**1.035**	**39.1**	**-2.004**	**0.550**	**-15.3**	**2.078**	**BF exceeds limit**	**NG**
1002204.7	**15387021.0**	**1483.9**	**407.923**	**269.234**	**33.4**	**488.762**	**34.6**	**38.894**	**0.340**	**0.854**	**68.3**	**0.919**	**22.6**	**-1.972**	**0.213**	**-6.2**	**1.984**	**BF exceeds limit**	**NG**
1002208.7	**15387018.0**	**1483.8**	**401.515**	**264.385**	**33.4**	**480.743**	**34.2**	**38.256**	**0.311**	**0.824**	**69.3**	**0.881**	**21.1**	**-2.054**	**0.183**	**-5.1**	**2.062**	**BF exceeds limit**	**NG**
1002212.7	**15387015.0**	**1483.8**	**395.776**	**260.063**	**33.3**	**473.573**	**33.9**	**37.686**	**0.290**	**0.803**	**70.2**	**0.853**	**20.2**	**-2.122**	**0.146**	**-4.0**	**2.127**	**BF exceeds limit**	**NG**
1002216.7	**15387012.0**	**1483.7**	**389.450**	**255.321**	**33.2**	**465.683**	**33.5**	**37.058**	**0.272**	**0.787**	**70.9**	**0.833**	**19.1**	**-2.166**	**0.081**	**-2.1**	**2.167**	**BF exceeds limit**	**NG**
1002220.7	**15387009.0**	**1484.4**	**393.863**	**258.627**	**33.3**	**471.185**	**33.8**	**37.496**	**0.302**	**0.795**	**69.2**	**0.851**	**27.7**	**-2.245**	**0.159**	**-4.1**	**2.251**	**BF exceeds limit**	**NG**

1002224.7	15387006.0	1485.2	402.391	265.047	33.4	481.838	34.3	38.343	0.365	0.816	65.9	0.894	39.1	-2.325	0.283	-6.9	2.343	BF exceeds limit NG
1002228.7	15387003.0	1485.2	396.005	260.235	33.3	473.859	33.9	37.708	0.355	0.806	66.2	0.880	38.6	-2.320	0.184	-4.5	2.328	BF exceeds limit NG
1002232.7	15387000.0	1485.1	387.728	254.034	33.2	463.536	33.4	36.887	0.335	0.791	67.1	0.859	36.5	-2.297	0.057	-1.4	2.298	BF exceeds limit NG
1002236.7	15386997.0	1485.4	387.512	253.873	33.2	463.268	33.4	36.866	0.357	0.790	65.7	0.867	41.0	-2.304	0.053	-1.3	2.305	BF exceeds limit NG
1002240.7	15386994.0	1485.3	378.812	247.555	33.2	452.528	33.0	36.011	0.336	0.772	66.5	0.842	39.2	-2.261	-0.019	0.5	2.261	BF exceeds limit NG
1002244.7	15386991.0	1485.1	370.922	241.710	33.1	442.726	32.6	35.231	0.317	0.752	67.2	0.816	37.5	-2.221	-0.122	3.1	2.225	BF exceeds limit NG
1002248.7	15386988.0	1485.0	363.140	235.980	33.0	433.079	32.2	34.463	0.297	0.730	67.8	0.788	35.8	-2.178	-0.215	5.6	2.189	BF exceeds limit NG
1002252.7	15386985.0	1485.0	356.651	231.225	33.0	425.047	31.8	33.824	0.285	0.710	68.1	0.765	35.1	-2.136	-0.281	7.5	2.154	BF exceeds limit NG
1002256.7	15386982.0	1485.0	351.675	227.595	32.9	418.897	31.5	33.335	0.280	0.693	68.0	0.748	35.7	-2.095	-0.318	8.6	2.119	BF exceeds limit NG
1002260.7	15386979.0	1485.1	346.620	223.920	32.9	412.657	31.2	32.838	0.275	0.676	67.8	0.730	36.1	-2.050	-0.351	9.7	2.080	BF exceeds limit NG
1002264.7	15386976.0	1484.8	337.642	217.430	32.8	401.594	30.7	31.958	0.250	0.652	69.0	0.698	32.7	-1.984	-0.437	12.4	2.031	BF exceeds limit NG
1002268.7	15386973.0	1485.8	344.695	222.521	32.8	410.281	31.1	32.649	0.309	0.657	64.8	0.726	44.5	-1.981	-0.282	8.1	2.001	BF exceeds limit NG
1002272.7	15386970.0	1486.5	348.016	224.926	32.9	414.376	31.3	32.975	0.351	0.657	61.9	0.745	52.4	-1.959	-0.181	5.3	1.967	BF exceeds limit NG
1002276.7	15386967.0	1485.9	334.357	215.059	32.7	397.549	30.5	31.636	0.298	0.621	64.4	0.689	45.6	-1.864	-0.315	9.6	1.890	BF exceeds limit NG
1002280.7	15386964.0	1485.8	327.687	210.276	32.7	389.352	30.1	30.984	0.285	0.600	64.6	0.664	44.8	-1.795	-0.345	10.9	1.828	BF exceeds limit NG
1002284.7	15386961.0	1485.8	321.093	205.570	32.6	381.261	29.8	30.340	0.273	0.578	64.8	0.639	44.0	-1.726	-0.366	12.0	1.764	BF exceeds limit NG
1002288.7	15386958.0	1486.3	321.023	205.518	32.6	381.174	29.7	30.333	0.296	0.568	62.5	0.641	50.1	-1.682	-0.290	9.8	1.707	BF exceeds limit NG
1002292.7	15386955.0	1486.2	314.326	200.762	32.6	372.969	29.4	29.680	0.283	0.545	62.6	0.614	49.6	-1.610	-0.302	10.6	1.638	BF exceeds limit NG
1002296.7	15386952.0	1486.3	310.006	197.705	32.5	367.683	29.1	29.259	0.283	0.526	61.8	0.597	51.7	-1.549	-0.275	10.1	1.573	BF exceeds limit NG
1002300.7	15386949.0	1486.4	305.680	194.654	32.5	362.395	28.9	28.839	0.282	0.507	60.9	0.580	53.9	-1.489	-0.245	9.3	1.509	BF exceeds limit NG
1002304.7	15386946.0	1486.3	298.781	189.807	32.4	353.973	28.5	28.168	0.267	0.482	61.0	0.551	53.3	-1.419	-0.244	9.8	1.440	BF exceeds limit NG
1002308.7	15386943.0	1486.1	291.228	184.530	32.4	344.768	28.0	27.436	0.248	0.456	61.4	0.519	51.7	-1.349	-0.248	10.4	1.372	BF exceeds limit NG
1002312.7	15386940.0	1486.3	287.251	181.761	32.3	339.926	27.8	27.050	0.249	0.437	60.4	0.503	54.7	-1.296	-0.205	9.0	1.312	BF exceeds limit NG
1002316.7	15386937.0	1486.5	283.795	179.362	32.3	335.724	27.6	26.716	0.252	0.419	59.0	0.489	58.5	-1.247	-0.155	7.1	1.257	BF exceeds limit NG
1002320.7	15386934.0	1486.3	276.266	174.157	32.2	326.579	27.2	25.988	0.232	0.394	59.5	0.457	56.8	-1.183	-0.155	7.5	1.193	BF exceeds limit NG
1002324.7	15386931.0	1485.9	268.060	168.514	32.2	316.628	26.7	25.196	0.209	0.367	60.4	0.422	53.4	-1.118	-0.163	8.3	1.130	BF exceeds limit NG
1002328.7	15386928.0	1485.6	260.133	163.093	32.1	307.032	26.2	24.433	0.187	0.343	61.4	0.390	49.7	-1.055	-0.168	9.1	1.068	BF exceeds limit NG
1002332.7	15386925.0	1485.4	253.403	158.515	32.0	298.898	25.8	23.786	0.172	0.321	61.9	0.364	47.4	-0.998	-0.162	9.2	1.011	BF exceeds limit NG
1002336.7	15386922.0	1486.0	253.248	158.410	32.0	298.711	25.8	23.771	0.191	0.312	58.6	0.366	57.8	-0.968	-0.088	5.2	0.972	BF exceeds limit NG
1002340.7	15386919.0	1485.8	247.289	154.374	32.0	291.519	25.4	23.198	0.178	0.293	58.7	0.343	56.7	-0.917	-0.082	5.1	0.920	BF exceeds limit NG
1002344.7	15386916.0	1485.6	240.633	149.886	31.9	283.496	25.0	22.560	0.162	0.274	59.4	0.318	53.3	-0.865	-0.087	5.7	0.869	BF exceeds limit NG
1002348.7	15386913.0	1486.0	239.109	148.862	31.9	281.661	24.9	22.414	0.172	0.265	57.0	0.316	61.4	-0.835	-0.045	3.1	0.836	BF exceeds limit NG
1002352.7	15386910.0	1486.5	238.073	148.166	31.9	280.414	24.9	22.315	0.185	0.259	54.4	0.318	70.3	-0.809	-0.004	0.3	0.809	BF exceeds limit NG
1002356.7	15386907.0	1486.8	236.153	146.878	31.9	278.103	24.8	22.131	0.193	0.252	52.5	0.317	76.6	-0.782	0.022	-1.6	0.782	BF exceeds limit NG
1002360.7	15386904.0	1486.8	231.070	143.475	31.8	271.990	24.5	21.644	0.182	0.238	52.6	0.299	76.4	-0.746	0.014	-1.0	0.747	BF exceeds limit NG
1002364.7	15386901.0	1486.4	224.280	138.948	31.8	263.834	24.0	20.995	0.160	0.220	54.0	0.272	71.7	-0.708	-0.014	1.1	0.708	BF exceeds limit NG
1002368.7	15386898.0	1486.0	217.098	134.182	31.7	255.219	23.6	20.310	0.135	0.203	56.4	0.244	63.7	-0.671	-0.049	4.1	0.673	BF exceeds limit NG
1002372.7	15386895.0	1486.1	213.487	131.795	31.7	250.891	23.4	19.965	0.129	0.193	56.3	0.232	64.9	-0.648	-0.057	5.0	0.651	BF exceeds limit NG
1002376.7	15386892.0	1486.1	209.304	129.037	31.7	245.884	23.1	19.567	0.119	0.183	56.9	0.218	63.4	-0.625	-0.075	6.8	0.630	BF exceeds limit NG
1002380.7	15386889.0	1486.0	205.289	126.397	31.6	241.081	22.9	19.185	0.109	0.173	57.9	0.204	61.2	-0.603	-0.097	9.2	0.611	BF exceeds limit NG
1002384.7	15386886.0	1486.0	201.456	123.884	31.6	236.499	22.6	18.820	0.098	0.165	59.1	0.192	58.3	-0.581	-0.124	12.1	0.594	BF exceeds limit NG
1002388.7	15386883.0	1486.0	198.202	121.756	31.6	232.612	22.4	18.511	0.090	0.158	60.2	0.182	56.1	-0.559	-0.154	15.4	0.580	BF exceeds limit NG
1002392.7	15386880.0	1486.1	195.541	120.019	31.5	229.436	22.3	18.258	0.085	0.153	61.0	0.175	54.7	-0.535	-0.185	19.1	0.566	BF exceeds limit NG
1002396.7	15386877.0	1486.3	193.526	118.707	31.5	227.032	22.1	18.067	0.082	0.150	61.3	0.171	54.6	-0.508	-0.219	23.3	0.553	BF exceeds limit NG
1002400.7	15386874.0	1486.6	192.733	118.192	31.5	226.087	22.1	17.991	0.087	0.150	60.0	0.173	57.7	-0.476	-0.249	27.6	0.537	BF exceeds limit NG
1002404.7	15386871.0	1486.9	191.691	117.514	31.5	224.844	22.0	17.893	0.089	0.150	59.4	0.175	59.0	-0.435	-0.287	33.4	0.521	BF exceeds limit NG
1002408.7	15386868.0	1487.1	190.378	116.661	31.5	223.279	21.9	17.768	0.089	0.150	59.3	0.175	59.3	-0.384	-0.332	40.8	0.508	BF exceeds limit NG
1002412.7	15386865.0	1487.5	190.828	116.955	31.5	223.817	22.0	17.811	0.099	0.154	57.2	0.183	63.9	-0.326	-0.364	48.2	0.488	BF exceeds limit NG
1002416.7	15386862.0	1488.0	191.925	117.670	31.5	225.126	22.1	17.915	0.112	0.159	54.8	0.195	68.9	-0.258	-0.390	56.5	0.468	BF exceeds limit NG
1002420.7	15386859.0	1488.5	193.464	118.673	31.5	226.961	22.2	18.061	0.126	0.165	52.6	0.207	73.2	-0.182	-0.409	65.9	0.447	BF exceeds limit NG

Max BF along centerline is 580.651 (mG) at 385.000 (ft) from structure 77

Cross section results at max BF along centerline between structures 77 and 78


MAGNETIC FIELD VS. OFFSET RELATIVE TO LINE BETWEEN ST
385 (FT) AHEAD OF STRUCTURE 77
MAGNETIC FIELD (MG)
600
500
400
300
200
100
0
-200 -180 -160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 160 180 200
OFFSET (FT)



3D EMF Point Results Span from 77 to 78:

Measurement			B					H	EF					Space Potential			
X (ft)	Y (ft)	Z (ft)	Real (mG)	Imaginary (mG)	Angle (deg)	Magnitude (mG)	Polarization Axial Ratio %	Magnitude (A/m)	Real (kV/m)	Imaginary (kV/m)	Angle (deg)	Magnitude (kV/m)	Polarization Axial Ratio %	Real (kV)	Imaginary (kV)	Angle (deg)	Magnitude (kV)
1002262.6	15387215.0	1474.1	21.200	10.503	26.4	23.659	1.5	1.883	0.082	0.012	8.1	0.083	5.1	-0.112	-0.045	21.6	0.121
1002259.6	15387211.0	1474.1	22.315	11.012	26.3	24.884	1.5	1.980	0.089	0.013	8.3	0.089	5.0	-0.125	-0.045	19.9	0.132
1002256.6	15387207.0	1474.1	23.519	11.558	26.2	26.206	1.6	2.085	0.095	0.014	8.5	0.096	4.9	-0.138	-0.045	18.2	0.145
1002253.6	15387203.0	1474.1	24.823	12.147	26.1	27.636	1.7	2.199	0.103	0.016	8.7	0.104	4.8	-0.153	-0.046	16.6	0.160
1002250.6	15387199.0	1474.1	26.238	12.781	26.0	29.185	1.8	2.322	0.111	0.017	8.9	0.112	4.7	-0.170	-0.046	15.2	0.177
1002247.6	15387195.0	1474.1	27.775	13.465	25.9	30.867	1.9	2.456	0.120	0.019	9.1	0.122	4.6	-0.190	-0.047	13.9	0.195
1002244.6	15387191.0	1474.1	29.450	14.206	25.8	32.697	2.0	2.602	0.131	0.021	9.3	0.132	4.5	-0.211	-0.047	12.7	0.216
1002241.6	15387187.0	1474.1	31.279	15.009	25.6	34.693	2.2	2.761	0.142	0.024	9.5	0.144	4.4	-0.236	-0.048	11.6	0.240
1002238.6	15387183.0	1474.1	33.280	15.881	25.5	36.875	2.3	2.934	0.155	0.026	9.7	0.157	4.3	-0.263	-0.049	10.6	0.268
1002235.6	15387179.0	1474.1	35.476	16.830	25.4	39.266	2.5	3.125	0.170	0.029	9.8	0.172	4.2	-0.295	-0.050	9.7	0.299
1002232.6	15387175.0	1474.1	37.891	17.865	25.2	41.891	2.6	3.334	0.186	0.033	10.0	0.189	4.1	-0.330	-0.052	8.9	0.334
1002229.6	15387171.0	1474.1	40.554	18.998	25.1	44.783	2.8	3.564	0.205	0.037	10.1	0.209	4.0	-0.371	-0.053	8.2	0.375
1002226.6	15387167.0	1474.1	43.498	20.239	25.0	47.976	3.0	3.818	0.227	0.041	10.2	0.231	3.9	-0.418	-0.056	7.6	0.422
1002223.6	15387163.0	1474.1	46.763	21.603	24.8	51.511	3.2	4.099	0.252	0.046	10.3	0.256	3.9	-0.472	-0.058	7.1	0.475
1002220.6	15387159.0	1474.1	50.393	23.105	24.6	55.437	3.5	4.412	0.280	0.052	10.4	0.285	3.8	-0.534	-0.062	6.6	0.537
1002217.6	15387155.0	1474.1	54.442	24.765	24.5	59.810	3.8	4.760	0.314	0.058	10.5	0.319	3.7	-0.606	-0.066	6.2	0.609
1002214.6	15387151.0	1474.1	58.971	26.604	24.3	64.695	4.1	5.148	0.352	0.066	10.6	0.358	3.6	-0.689	-0.071	5.9	0.693
1002211.6	15387147.0	1474.1	64.053	28.647	24.1	70.167	4.4	5.584	0.397	0.074	10.6	0.404	3.5	-0.787	-0.078	5.7	0.791
1002208.6	15387143.0	1474.1	69.771	30.924	23.9	76.316	4.8	6.073	0.450	0.085	10.7	0.458	3.4	-0.901	-0.087	5.5	0.905
1002205.6	15387139.0	1474.1	76.222	33.469	23.7	83.246	5.2	6.625	0.512	0.096	10.7	0.521	3.3	-1.036	-0.098	5.4	1.040
1002202.6	15387135.0	1474.1	83.518	36.322	23.5	91.075	5.7	7.248	0.586	0.110	10.7	0.596	3.2	-1.194	-0.111	5.3	1.199
1002199.6	15387131.0	1474.1	91.789	39.532	23.3	99.940	6.2	7.953	0.673	0.127	10.7	0.685	3.1	-1.382	-0.128	5.3	1.388

1002196.6	15387127.0	1486.0	116.872	47.648	22.2	126.212	5.5	10.044	0.774	0.146	10.7	0.787	2.8	1.177	0.385	18.1	1.238	
1002193.6	15387123.0	1485.9	131.183	52.623	21.9	141.344	6.2	11.248	0.897	0.169	10.6	0.913	2.6	1.319	0.435	18.2	1.389	
1002190.6	15387119.0	1486.1	148.643	58.542	21.5	159.756	6.9	12.713	1.044	0.196	10.7	1.062	2.5	1.584	0.510	17.8	1.664	
1002187.6	15387115.0	1486.3	169.424	65.466	21.1	181.632	7.7	14.454	1.217	0.230	10.7	1.238	2.4	1.902	0.599	17.5	1.994	
1002184.6	**15387111.0**	**1485.9**	**192.298**	**73.173**	**20.8**	**205.750**	**8.8**	**16.373**	**1.419**	**0.270**	**10.8**	**1.445**	**2.3**	**2.054**	**0.662**	**17.9**	**2.158**	**BF exceeds limit NG**
1002181.6	**15387107.0**	**1485.9**	**220.326**	**82.500**	**20.5**	**235.265**	**10.0**	**18.722**	**1.651**	**0.320**	**11.0**	**1.682**	**2.4**	**2.359**	**0.764**	**17.9**	**2.480**	**BF and EF exceed limits NG**
1002178.6	**15387103.0**	**1485.4**	**250.696**	**93.015**	**20.4**	**267.396**	**11.6**	**21.279**	**1.905**	**0.383**	**11.4**	**1.943**	**2.5**	**2.469**	**0.842**	**18.8**	**2.609**	**BF and EF exceed limits NG**
1002175.6	**15387099.0**	**1484.2**	**277.561**	**103.788**	**20.5**	**296.331**	**13.5**	**23.581**	**2.160**	**0.462**	**12.1**	**2.209**	**2.7**	**1.959**	**0.809**	**22.4**	**2.120**	**BF and EF exceed limits NG**
1002172.6	**15387095.0**	**1484.3**	**317.293**	**118.841**	**20.5**	**338.819**	**15.5**	**26.962**	**2.400**	**0.560**	**13.1**	**2.465**	**3.2**	**2.233**	**0.963**	**23.3**	**2.432**	**BF and EF exceed limits NG**
1002169.6	**15387091.0**	**1484.8**	**365.345**	**137.940**	**20.7**	**390.519**	**17.9**	**31.076**	**2.584**	**0.684**	**14.8**	**2.673**	**4.5**	**2.749**	**1.233**	**24.2**	**3.013**	**BF and EF exceed limits NG**
1002166.7	**15387087.0**	**1484.7**	**407.004**	**158.853**	**21.3**	**436.905**	**20.8**	**34.768**	**2.636**	**0.834**	**17.6**	**2.765**	**6.1**	**2.691**	**1.434**	**28.0**	**3.049**	**BF and EF exceed limits NG**
1002163.7	**15387083.0**	**1484.3**	**439.473**	**181.734**	**22.5**	**475.567**	**24.1**	**37.844**	**2.499**	**1.005**	**21.9**	**2.694**	**8.3**	**2.225**	**1.576**	**35.3**	**2.727**	**BF and EF exceed limits NG**
1002160.7	**15387079.0**	**1484.6**	**476.663**	**211.537**	**23.9**	**521.494**	**27.8**	**41.499**	**2.177**	**1.184**	**28.5**	**2.478**	**13.0**	**2.000**	**1.914**	**43.7**	**2.769**	**BF and EF exceed limits NG**
1002157.7	**15387075.0**	**1484.7**	**497.874**	**242.925**	**26.0**	**553.977**	**31.8**	**44.084**	**1.661**	**1.332**	**38.7**	**2.129**	**19.7**	**1.338**	**2.136**	**57.9**	**2.520**	**BF and EF exceed limits NG**
1002154.7	**15387071.0**	**1484.4**	**500.646**	**272.649**	**28.6**	**570.074**	**35.3**	**45.365**	**1.027**	**1.391**	**53.6**	**1.730**	**27.6**	**0.446**	**2.142**	**78.2**	**2.188**	**BF and EF exceed limits NG**
1002151.7	**15387067.0**	**1484.0**	**490.053**	**298.504**	**31.3**	**573.809**	**37.6**	**45.662**	**0.491**	**1.306**	**69.4**	**1.395**	**34.7**	**-0.377**	**1.949**	**-79.1**	**1.985**	**BF exceeds limit NG**
1002148.7	**15387063.0**	**1484.1**	**480.570**	**325.896**	**34.1**	**580.651**	**38.6**	**46.207**	**0.698**	**1.059**	**56.6**	**1.268**	**41.2**	**-1.072**	**1.747**	**-58.5**	**2.050**	**BF exceeds limit NG**
1002145.7	**15387059.0**	**1484.3**	**464.714**	**346.756**	**36.7**	**579.827**	**37.8**	**46.141**	**1.189**	**0.679**	**29.7**	**1.369**	**37.7**	**-1.704**	**1.331**	**-38.0**	**2.162**	**BF exceeds limit NG**
1002142.7	**15387055.0**	**1484.2**	**439.582**	**353.070**	**38.8**	**563.818**	**35.1**	**44.867**	**1.593**	**0.434**	**15.2**	**1.651**	**26.3**	**-2.105**	**0.726**	**-19.0**	**2.227**	**BF and EF exceed limits NG**
1002139.7	**15387051.0**	**1484.2**	**414.231**	**351.298**	**40.3**	**543.136**	**31.5**	**43.221**	**1.875**	**0.811**	**23.4**	**2.043**	**17.9**	**-2.431**	**0.073**	**-1.7**	**2.432**	**BF and EF exceed limits NG**
1002136.7	**15387047.0**	**1484.5**	**389.146**	**342.564**	**41.4**	**518.444**	**27.8**	**41.256**	**2.029**	**1.312**	**32.9**	**2.416**	**12.8**	**-2.765**	**-0.636**	**13.0**	**2.837**	**BF and EF exceed limits NG**
1002133.7	**15387043.0**	**1484.6**	**358.234**	**320.764**	**41.8**	**480.855**	**24.1**	**38.265**	**2.055**	**1.676**	**39.2**	**2.652**	**9.0**	**-2.860**	**-1.184**	**22.5**	**3.096**	**BF and EF exceed limits NG**
1002130.7	**15387039.0**	**1484.3**	**321.052**	**287.233**	**41.8**	**430.787**	**20.8**	**34.281**	**1.973**	**1.853**	**43.2**	**2.707**	**6.3**	**-2.604**	**-1.333**	**27.1**	**2.925**	**BF and EF exceed limits NG**
1002127.7	**15387035.0**	**1484.0**	**284.507**	**252.284**	**41.6**	**380.252**	**17.9**	**30.259**	**1.821**	**1.870**	**45.8**	**2.610**	**4.7**	**-2.277**	**-1.282**	**29.4**	**2.613**	**BF and EF exceed limits NG**
1002124.7	**15387031.0**	**1483.2**	**247.273**	**215.489**	**41.1**	**327.993**	**15.6**	**26.101**	**1.629**	**1.768**	**47.3**	**2.404**	**3.8**	**-1.711**	**-0.870**	**27.0**	**1.919**	**BF and EF exceed limits NG**
1002121.7	**15387027.0**	**1481.5**	**210.398**	**178.877**	**40.4**	**276.160**	**13.8**	**21.976**	**1.427**	**1.604**	**48.3**	**2.147**	**3.4**	**-0.837**	**-0.032**	**2.2**	**0.838**	**BF and EF exceed limits NG**
1002118.7	**15387023.0**	**1481.1**	**184.868**	**154.731**	**39.9**	**241.077**	**12.1**	**19.184**	**1.235**	**1.420**	**49.0**	**1.882**	**3.4**	**-0.619**	**0.120**	**-11.0**	**0.630**	**BF and EF exceed limits NG**
1002115.7	**15387019.0**	**1481.1**	**164.234**	**135.632**	**39.6**	**212.999**	**10.7**	**16.950**	**1.059**	**1.234**	**49.4**	**1.626**	**3.4**	**-0.607**	**0.049**	**-4.6**	**0.609**	**BF and EF exceed limits NG**
1002112.7	15387015.0	1480.6	145.038	117.912	39.1	186.921	9.6	14.875	0.906	1.062	49.6	1.396	3.5	-0.466	0.135	-16.2	0.485	
1002109.7	15387011.0	1480.2	128.782	103.161	38.7	165.006	8.6	13.131	0.774	0.911	49.7	1.195	3.6	-0.379	0.167	-23.7	0.414	
1002106.7	15387007.0	1480.8	116.329	92.175	38.4	148.421	7.6	11.811	0.662	0.780	49.7	1.023	3.7	-0.517	-0.057	6.3	0.521	
1002103.7	15387003.0	1479.0	102.316	79.642	37.9	129.659	7.0	10.318	0.568	0.670	49.7	0.879	3.9	-0.183	0.276	-56.5	0.331	
1002100.7	15386999.0	1475.6	89.065	67.953	37.3	112.027	6.7	8.915	0.489	0.577	49.7	0.757	4.0	0.315	0.801	68.5	0.860	
1002097.7	15386995.0	1472.4	78.492	58.881	36.9	98.122	6.3	7.808	0.423	0.498	49.7	0.653	4.1	0.638	1.123	60.4	1.291	
1002094.7	15386991.0	1469.6	69.950	51.728	36.5	86.999	6.0	6.923	0.366	0.431	49.7	0.566	4.1	0.826	1.295	57.5	1.536	
1002091.7	15386987.0	1468.0	63.437	46.415	36.2	78.604	5.6	6.255	0.319	0.376	49.7	0.493	4.1	0.839	1.270	56.5	1.522	
1002088.7	15386983.0	1467.8	58.472	42.462	36.0	72.263	5.2	5.751	0.280	0.330	49.7	0.433	4.1	0.721	1.103	56.8	1.318	
1002085.7	15386979.0	1467.4	53.922	38.860	35.8	66.466	4.8	5.289	0.247	0.292	49.7	0.382	4.2	0.642	0.983	56.8	1.174	
1002082.7	15386975.0	1467.0	49.900	35.708	35.6	61.361	4.5	4.883	0.219	0.259	49.7	0.339	4.2	0.566	0.871	57.0	1.039	
1002079.7	15386971.0	1467.3	46.507	33.084	35.4	57.074	4.2	4.542	0.195	0.231	49.8	0.303	4.2	0.461	0.730	57.7	0.863	
1002076.7	15386967.0	1467.3	43.350	30.653	35.3	53.093	3.9	4.225	0.175	0.207	49.9	0.271	4.2	0.388	0.626	58.2	0.737	
1002073.7	15386963.0	1467.0	40.392	28.385	35.1	49.368	3.6	3.929	0.157	0.187	50.0	0.244	4.3	0.345	0.561	58.4	0.658	
1002070.7	15386959.0	1467.0	37.803	26.420	34.9	46.120	3.4	3.670	0.141	0.169	50.1	0.220	4.3	0.291	0.483	58.9	0.564	
1002067.7	15386955.0	1467.3	35.490	24.678	34.8	43.226	3.2	3.440	0.128	0.154	50.3	0.200	4.4	0.235	0.405	59.9	0.469	
1002064.7	15386951.0	1464.7	32.899	22.714	34.6	39.979	3.1	3.181	0.115	0.139	50.4	0.181	4.3	0.293	0.460	57.5	0.545	
1002061.7	15386947.0	1461.5	30.489	20.901	34.4	36.965	3.0	2.942	0.104	0.127	50.5	0.164	4.2	0.358	0.526	55.7	0.636	
1002058.7	15386943.0	1459.8	28.542	19.459	34.3	34.545	2.9	2.749	0.095	0.116	50.7	0.150	4.1	0.365	0.526	55.2	0.640	
1002055.7	15386939.0	1459.0	26.892	18.250	34.2	32.500	2.8	2.586	0.087	0.107	50.8	0.137	4.2	0.344	0.494	55.1	0.602	
1002052.7	15386935.0	1459.2	25.490	17.234	34.1	30.769	2.6	2.449	0.080	0.098	51.0	0.127	4.3	0.301	0.437	55.5	0.530	
1002049.7	15386931.0	1460.6	24.303	16.384	34.0	29.310	2.4	2.332	0.073	0.091	51.3	0.117	4.4	0.236	0.355	56.4	0.426	
1002046.7	15386927.0	1461.1	23.110	15.527	33.9	27.842	2.3	2.216	0.068	0.085	51.5	0.109	4.5	0.198	0.305	57.0	0.364	
1002043.7	15386923.0	1461.7	22.008	14.739	33.8	26.487	2.1	2.108	0.063	0.079	51.7	0.101	4.6	0.162	0.258	57.8	0.305	
1002040.7	15386919.0	1462.2	20.967	13.997	33.7	25.210	2.0	2.006	0.058	0.074	51.9	0.094	4.7	0.134	0.220	58.6	0.258	
1002037.7	15386915.0	1462.4	19.978	13.293	33.6	23.996	1.9	1.910	0.054	0.069	52.1	0.087	4.8	0.115	0.193	59.2	0.224	
1002034.7	15386911.0	1462.6	19.056	12.642	33.6	22.868	1.8	1.820	0.050	0.065	52.4	0.082	4.9	0.097	0.168	59.9	0.194	

Critical Energy/Electric Infrastructure Information (CEII) Has Been Redacted From This Document

PLS-CADD Version 20.01x64 10:33:39 AM Friday, February 28, 2025
Quanta Services - Dashiell
Project Name: 'C:\projects\L68\0026-0068-700 REV 0-0E PLS CADD MODEL.don'
Line Title: 'PROPOSED L723 AND PROPOSED L68 MERGED'

3D EMF Calculation Notes:
1) Calculations based on the EPRI Red Book methods (3rd Edition, 2005 - 7.4 Calculation of Magnetic Fields and Appendices 7.1 Calculation of Field Ellipse Parameters and 7.6 Electric Field Calculations for 3D Geometry).
2) All wire positions are modeled at the specified weather case and wind direction. Height above ground determined by the modeled ground TIN.
3) Only the effects of wires are being analyzed. The effects of structures are not included unless enabled as noted below.
4) Ground return is being ignored for magnetic field calculations.

Meter height above ground:	3.28 (ft)
Maximum wire distance:	500.00 (ft)
Maximum cable segment size:	5.00 (ft)
Cross section offset +/-:	130.00 (ft)
Result interval:	5.00 (ft)
Electric field limit:	1.60 (kV/m)
Magnetic field limit:	200.00 (mG)
Space potential limit:	0.00 (kV)
Contour Map Spacing:	15 (ft)
Analyzing spans between these structures:	102 - 103, 106 - 107

One or more sections have wind from both directions which is not supported. A wind direction of left is being used for those sections.

Section Data for 3D EMF Results:

Section Number	Section Note	Voltage Ph-Ph (kV)	Current (Amps)	Cable Filename	Cable Description	Conductors Per Phase	Bundle Diameter (in)	Cable Radius (in)	Weather Case	Condition	Wind Dir.	WC Temperature (deg F)	Effective Radius (in)
1		0.0	0.0	7no_7_alumoweld.wir	7#7 Alumoweld 7 Strands Alumoweld - Adapted from 1970's Publicly Available Data	1	0.000	0.216	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.216
2		0.0	0.0	7no_7_alumoweld.wir	7#7 Alumoweld 7 Strands Alumoweld - Adapted from 1970's Publicly Available Data	1	0.000	0.216	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.216
3		0.0	0.0	7no_7_alumoweld.wir	7#7 Alumoweld 7 Strands Alumoweld - Adapted from 1970's Publicly Available Data	1	0.000	0.216	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.216
4		0.0	0.0	OPGW DNO-11467 S4-53-61-583.wir	AFL OPGW 72 FIBER PENTACORE S4-53/61/583	1	0.000	0.291	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.291
6		0.0	0.0	OPGW DNO-11467 S4-53-61-583.wir	AFL OPGW 72 FIBER PENTACORE S4-53/61/583	1	0.000	0.291	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.291
7		0.0	0.0	OPGW DNO-11467 S4-53-61-583.wir	AFL OPGW 72 FIBER PENTACORE S4-53/61/583	1	0.000	0.291	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.291
8		0.0	0.0	OPGW DNO-11467 S4-53-61-583.wir	AFL OPGW 72 FIBER PENTACORE S4-53/61/583	1	0.000	0.291	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.291
9		115.0	[redacted]	drake_acsr.wir	795 kcmil 26/7 Strands DRAKE ACSR	2	18.000	0.554	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	3.158
10		115.0		drake_acsr.wir	795 kcmil 26/7 Strands DRAKE ACSR	2	18.000	0.554	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	3.158
11		115.0		drake_acsr.wir	795 kcmil 26/7 Strands DRAKE ACSR	2	18.000	0.554	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	3.158
13		115.0		drake_acsr.wir	795 kcmil 26/7 Strands DRAKE ACSR	2	18.000	0.554	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	3.158
14		115.0		drake_acsr.wir	795 kcmil 26/7 Strands DRAKE ACSR	2	18.000	0.554	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	3.158
15		115.0		drake_acsr.wir	795 kcmil 26/7 Strands DRAKE ACSR	2	18.000	0.554	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	3.158
17		115.0		drake_acsr.wir	795 kcmil 26/7 Strands DRAKE ACSR	2	18.000	0.554	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	3.158
18		115.0		drake_acsr.wir	795 kcmil 26/7 Strands DRAKE ACSR	2	18.000	0.554	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	3.158
19		115.0		drake_acsr.wir	795 kcmil 26/7 Strands DRAKE ACSR	2	18.000	0.554	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	3.158
21		115.0		drake_acsr.wir	795 kcmil 26/7 Strands DRAKE ACSR	2	18.000	0.554	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	3.158
22		115.0		drake_acsr.wir	795 kcmil 26/7 Strands DRAKE ACSR	2	18.000	0.554	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	3.158
23		115.0		drake_acsr.wir	795 kcmil 26/7 Strands DRAKE ACSR	2	18.000	0.554	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	3.158
35		0.0	0.0	7no_7_alumoweld - 5750.wir	7#7 Alumoweld 7 Strands Alumoweld - Adapted from 1970's Publicly Available Data	1	0.000	0.216	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.216
57		0.0	0.0	TF-DNO-11467 - 6750.wir	AFL OPGW DNO-11467 S4-53/61/583	1	0.000	0.291	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.291
77		230.0	[redacted]	bunting_acsr - 12,000 lbs.wir	1192.5 kcmil 45/7 Strands BUNTING ACSR - Adapted from 1970's Publicly Available Data	2	18.000	0.651	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	3.423

Could not find ground from TIN for one or more wires in span #1. Interpolating between structure bases to determine ground. ??
Could not find ground from TIN for one or more wires in span #2. Interpolating between structure bases to determine ground. ??

Centerline results between structures 102 and 103

3D EMF Point Results Centerline from 102 to 103:

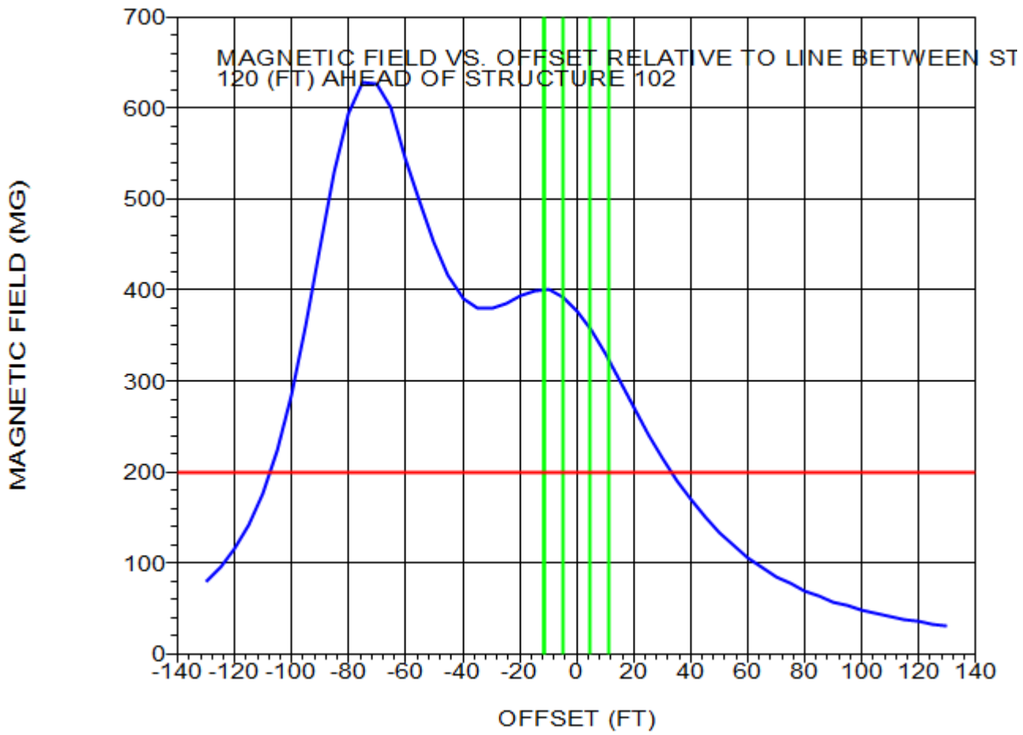
Measurement X (ft)	Measurement Y (ft)	Measurement Z (ft)	B Real (mG)	B Imaginary (mG)	B Angle (deg)	B Magnitude (mG)	B Polarization Axial Ratio %	H Magnitude (A/m)	EF Real (kV/m)	EF Imaginary (kV/m)	EF Angle (deg)	EF Magnitude (kV/m)	EF Polarization Axial Ratio %	Space Potential Real (kV)	Space Potential Imaginary (kV)	Space Potential Angle (deg)	Space Potential Magnitude (kV)	
1016116.4	15376945.5	1670.9	93.934	241.838	68.8	259.440	38.3	20.646	1.024	0.227	12.5	1.049	9.4	-0.932	-0.204	12.3	0.954	BF exceeds limit NG

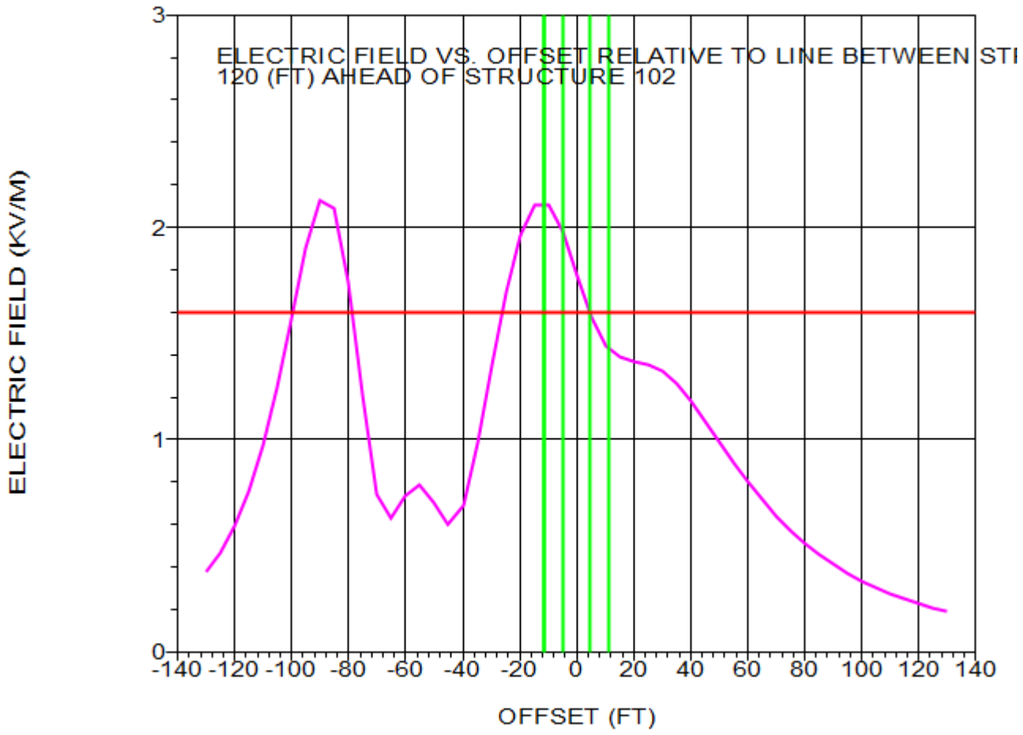
1016120.7	15376942.9	1671.1	95.389	240.613	68.4	258.832	39.0	20.597	1.035	0.277	15.0	1.072	10.0	−0.951	−0.166	9.9	0.966	BF exceeds limit NG
1016124.9	15376940.2	1671.4	96.978	240.857	68.1	259.648	39.6	20.662	1.051	0.325	17.2	1.100	10.5	−0.974	−0.132	7.7	0.983	BF exceeds limit NG
1016129.1	15376937.5	1671.6	98.793	242.698	67.9	262.035	40.1	20.852	1.072	0.370	19.0	1.134	11.0	−1.007	−0.100	5.7	1.012	BF exceeds limit NG
1016133.4	15376934.9	1671.8	100.856	246.048	67.7	265.917	40.3	21.161	1.096	0.414	20.7	1.171	11.5	−1.053	−0.067	3.6	1.055	BF exceeds limit NG
1016137.6	15376932.2	1672.0	103.181	250.788	67.6	271.184	40.5	21.580	1.124	0.456	22.1	1.213	12.0	−1.111	−0.032	1.6	1.112	BF exceeds limit NG
1016141.9	15376929.6	1672.2	105.774	256.781	67.6	277.713	40.5	22.100	1.154	0.498	23.3	1.257	12.6	−1.184	0.006	−0.3	1.184	BF exceeds limit NG
1016146.1	15376926.9	1672.5	108.677	264.439	67.7	285.899	40.5	22.751	1.186	0.539	24.4	1.303	13.4	−1.269	0.049	−2.2	1.270	BF exceeds limit NG
1016150.3	15376924.3	1672.7	111.807	272.547	67.7	294.589	40.4	23.443	1.219	0.580	25.4	1.350	14.2	−1.373	0.100	−4.2	1.377	BF exceeds limit NG
1016154.6	15376921.6	1672.7	114.432	279.456	67.7	301.977	40.3	24.031	1.252	0.616	26.2	1.395	14.5	−1.416	0.124	−5.0	1.422	BF exceeds limit NG
1016158.8	15376919.0	1672.7	117.190	286.822	67.8	309.839	40.2	24.656	1.285	0.651	26.9	1.440	14.9	−1.469	0.153	−5.9	1.477	BF exceeds limit NG
1016163.0	15376916.3	1672.7	120.241	295.057	67.8	318.616	40.1	25.355	1.317	0.686	27.5	1.485	15.5	−1.550	0.196	−7.2	1.563	BF exceeds limit NG
1016167.3	15376913.6	1672.7	123.295	303.552	67.9	327.636	40.0	26.072	1.348	0.721	28.1	1.529	16.3	−1.673	0.257	−8.7	1.692	BF exceeds limit NG
1016171.5	15376911.0	1672.5	125.791	310.254	67.9	334.785	39.9	26.641	1.376	0.749	28.6	1.567	16.5	−1.704	0.280	−9.3	1.727	BF exceeds limit NG
1016175.7	15376908.3	1672.2	127.979	316.063	68.0	340.990	39.8	27.135	1.402	0.773	28.9	1.601	16.6	−1.715	0.293	−9.7	1.740	BF and EF exceed limits NG
1016180.0	15376905.7	1671.9	130.067	321.561	68.0	346.870	39.8	27.603	1.426	0.795	29.1	1.632	16.7	−1.727	0.308	−10.1	1.754	BF and EF exceed limits NG
1016184.2	15376903.0	1671.4	131.495	325.117	68.0	350.703	39.8	27.908	1.447	0.811	29.3	1.658	16.4	−1.687	0.296	−9.9	1.712	BF and EF exceed limits NG
1016188.5	15376900.4	1670.9	132.931	328.661	68.0	354.526	39.8	28.212	1.465	0.826	29.4	1.682	16.1	−1.663	0.291	−9.9	1.688	BF and EF exceed limits NG
1016192.7	15376897.7	1670.5	134.368	332.181	68.0	358.328	39.7	28.515	1.482	0.841	29.6	1.704	16.0	−1.656	0.295	−10.1	1.682	BF and EF exceed limits NG
1016196.9	15376895.0	1670.0	135.800	335.669	68.0	362.099	39.7	28.815	1.496	0.855	29.7	1.723	16.0	−1.666	0.307	−10.4	1.694	BF and EF exceed limits NG
1016201.2	15376892.4	1669.5	137.401	339.647	68.0	366.387	39.7	29.156	1.508	0.869	29.9	1.740	16.3	−1.711	0.337	−11.2	1.744	BF and EF exceed limits NG
1016205.4	15376889.7	1669.1	138.924	343.392	68.0	370.429	39.7	29.478	1.518	0.882	30.2	1.755	16.6	−1.768	0.375	−12.0	1.807	BF and EF exceed limits NG
1016209.6	15376887.1	1668.6	140.141	346.219	68.0	373.506	39.7	29.723	1.524	0.891	30.3	1.766	16.9	−1.816	0.409	−12.7	1.862	BF and EF exceed limits NG
1016213.9	15376884.4	1668.0	141.215	348.607	67.9	376.123	39.7	29.931	1.528	0.899	30.5	1.773	17.2	−1.872	0.450	−13.5	1.926	BF and EF exceed limits NG
1016218.1	15376881.8	1667.4	141.766	349.401	67.9	377.066	39.7	30.006	1.528	0.901	30.5	1.773	17.3	−1.901	0.479	−14.1	1.960	BF and EF exceed limits NG
1016222.3	15376879.1	1666.5	141.383	347.345	67.9	375.017	39.8	29.843	1.523	0.894	30.4	1.766	16.9	−1.863	0.477	−14.4	1.923	BF and EF exceed limits NG
1016226.6	15376876.5	1665.7	140.902	344.974	67.8	372.640	40.0	29.654	1.515	0.884	30.3	1.754	16.5	−1.839	0.487	−14.8	1.902	BF and EF exceed limits NG
1016230.8	15376873.8	1664.7	139.888	340.982	67.7	368.561	40.1	29.329	1.503	0.869	30.0	1.736	15.9	−1.785	0.488	−15.3	1.851	BF and EF exceed limits NG
1016235.0	15376871.1	1663.7	138.456	335.730	67.6	363.160	40.3	28.899	1.488	0.849	29.7	1.713	15.2	−1.713	0.485	−15.8	1.780	BF and EF exceed limits NG
1016239.3	15376868.5	1662.6	136.758	329.693	67.5	356.931	40.5	28.404	1.469	0.825	29.3	1.685	14.4	−1.632	0.484	−16.5	1.702	BF and EF exceed limits NG
1016243.5	15376865.8	1661.3	134.173	321.041	67.3	347.951	40.7	27.689	1.447	0.795	28.8	1.651	13.0	−1.480	0.451	−16.9	1.547	BF and EF exceed limits NG
1016247.8	15376863.2	1660.0	131.699	312.775	67.2	339.371	41.0	27.006	1.424	0.766	28.3	1.617	11.8	−1.349	0.434	−17.8	1.417	BF and EF exceed limits NG
1016252.0	15376860.5	1658.9	129.836	306.350	67.0	332.728	41.2	26.478	1.400	0.740	27.8	1.584	11.1	−1.285	0.456	−19.5	1.364	BF exceeds limit NG
1016256.2	15376857.9	1657.8	127.986	299.992	66.9	326.153	41.4	25.954	1.377	0.715	27.4	1.552	10.5	−1.225	0.480	−21.4	1.316	BF exceeds limit NG
1016260.5	15376855.2	1656.6	125.948	293.121	66.7	319.034	41.7	25.388	1.355	0.690	27.0	1.521	9.7	−1.144	0.492	−23.3	1.245	BF exceeds limit NG
1016264.7	15376852.5	1655.4	123.890	286.228	66.6	311.890	41.9	24.819	1.334	0.668	26.6	1.492	8.8	−1.055	0.497	−25.2	1.166	BF exceeds limit NG
1016268.9	15376849.9	1654.3	121.900	279.568	66.4	304.989	42.2	24.270	1.316	0.648	26.2	1.467	7.9	−0.963	0.497	−27.3	1.084	BF exceeds limit NG
1016273.2	15376847.2	1653.3	120.665	275.089	66.3	300.390	42.4	23.904	1.301	0.634	26.0	1.447	7.7	−0.937	0.524	−29.2	1.073	BF exceeds limit NG
1016277.4	15376844.6	1652.4	119.889	271.923	66.2	297.180	42.6	23.649	1.289	0.625	25.9	1.432	7.7	−0.946	0.562	−30.7	1.100	BF exceeds limit NG
1016281.6	15376841.9	1651.6	119.133	269.610	66.2	294.758	42.7	23.456	1.278	0.618	25.8	1.420	8.0	−0.951	0.591	−31.9	1.120	BF exceeds limit NG
1016285.9	15376839.3	1650.9	118.579	267.104	66.1	292.242	42.8	23.256	1.270	0.614	25.8	1.411	8.1	−0.958	0.619	−32.9	1.141	BF exceeds limit NG
1016290.1	15376836.6	1650.1	118.048	264.664	66.0	289.797	43.0	23.061	1.264	0.610	25.8	1.404	8.1	−0.955	0.639	−33.8	1.149	BF exceeds limit NG
1016294.4	15376834.0	1649.5	118.096	263.860	65.9	289.083	43.1	23.004	1.261	0.610	25.8	1.400	8.6	−1.001	0.679	−34.2	1.210	BF exceeds limit NG
1016298.6	15376831.3	1648.9	118.202	263.223	65.8	288.544	43.2	22.962	1.258	0.611	25.9	1.399	9.0	−1.042	0.716	−34.5	1.264	BF exceeds limit NG
1016302.8	15376828.6	1648.4	118.603	263.421	65.8	288.890	43.3	22.989	1.257	0.614	26.0	1.399	9.7	−1.105	0.760	−34.5	1.342	BF exceeds limit NG
1016307.1	15376826.0	1647.9	118.688	262.728	65.7	288.293	43.4	22.942	1.256	0.615	26.1	1.399	10.0	−1.128	0.785	−34.8	1.374	BF exceeds limit NG
1016311.3	15376823.3	1647.2	118.138	260.253	65.6	285.811	43.6	22.744	1.254	0.613	26.1	1.396	9.6	−1.078	0.775	−35.7	1.327	BF exceeds limit NG
1016315.5	15376820.7	1646.4	117.557	257.696	65.5	283.244	43.7	22.540	1.253	0.611	26.0	1.394	9.1	−1.018	0.760	−36.7	1.270	BF exceeds limit NG
1016319.8	15376818.0	1646.4	119.362	261.852	65.5	287.774	43.7	22.900	1.256	0.621	26.3	1.401	10.9	−1.198	0.859	−35.6	1.474	BF exceeds limit NG
1016324.0	15376815.4	1645.2	117.250	254.997	65.3	280.662	44.0	22.334	1.253	0.610	26.0	1.394	8.8	−0.968	0.762	−38.2	1.232	BF exceeds limit NG
1016328.2	15376812.7	1645.0	118.208	256.768	65.3	282.671	44.0	22.494	1.255	0.615	26.1	1.398	9.7	−1.050	0.812	−37.7	1.327	BF exceeds limit NG
1016332.5	15376810.0	1644.7	119.020	258.136	65.2	284.253	44.1	22.620	1.258	0.621	26.3	1.403	10.3	−1.109	0.850	−37.5	1.398	BF exceeds limit NG
1016336.7	15376807.4	1644.0	118.558	255.925	65.1	282.053	44.3	22.445	1.260	0.620	26.2	1.404	9.6	−1.030	0.821	−38.6	1.317	BF exceeds limit NG
1016340.9	15376804.7	1643.0	116.743	249.944	65.0	275.864	44.6	21.953	1.261	0.613	25.9	1.402	7.5	−0.800	0.716	−41.8	1.074	BF exceeds limit NG
1016345.2	15376802.1	1643.1	118.804	254.805	65.0	281.141	44.5	22.372	1.269	0.626	26.3	1.415	9.2	−0.971	0.800	−39.5	1.258	BF exceeds limit NG
1016349.4	15376799.4	1643.0	120.188	257.792	65.0	284.433	44.5	22.634	1.276	0.638	26.5	1.427	10.2	−1.063	0.842	−38.4	1.356	BF exceeds limit NG
1016353.7	15376796.8	1642.8	121.557	260.754	65.0	287.695	44.5	22.894	1.285	0.650	26.8	1.440	11.0	−1.147	0.878	−37.4	1.444	BF exceeds limit NG
1016357.9	15376794.1	1642.7	122.774	263.299	65.0	290.516	44.5	23.119	1.294	0.663	27.1	1.454	11.6	−1.210	0.901	−36.7	1.509	BF exceeds limit NG
1016362.1	15376791.5	1642.5	123.780	265.258	65.0	292.717	44.5	23.294	1.303	0.674	27.4	1.467	12.0	−1.248	0.910	−36.1	1.544	BF exceeds limit NG
1016366.4	15376788.8	1642.2	124.581	266.903	65.0	294.546	44.5	23.439	1.312	0.684	27.5	1.480	12.2	−1.277	0.884	−34.7	1.554	BF exceeds limit NG
1016370.6	15376786.1	1642.0	125.473	268.555	65.0	296.421	44.5	23.588	1.321	0.694	27.7	1.492	12.4	−1.302	0.882	−34.1	1.572	BF exceeds limit NG
1016374.8	15376783.5	1641.8	126.336	270.131	64.9	298.214	44.5	23.731	1.329	0.705	27.9	1.504	12.6	−1.323	0.879	−33.6	1.588	BF exceeds limit NG
1016379.1	15376780.8	1641.6	127.168	271.628	64.9	299.922	44.5	23.867	1.336	0.714	28.1	1.515	12.7	−1.344	0.874	−33.1	1.603	BF exceeds limit NG
1016383.3	15376778.2	1641.4	127.958	273.011	64.9	301.510	44.6	23.993	1.343	0.723	28.3	1.525	12.9	−1.362	0.869	−32.5	1.615	BF exceeds limit NG
1016387.5	15376775.5	1641.1	128.426	273.470	64.8	302.124	44.6	24.042	1.348	0.729	28.4	1.533	12.8	−1.350	0.848	−32.1	1.594	BF exceeds limit NG
1016391.8	15376772.9	1640.8	128.857	273.829	64.8	302.633	44.7	24.083	1.353	0.735	28.5	1.540	12.6	−1.336	0.827	−31.7	1.571	BF exceeds limit NG
1016396.0	15376770.2	1640.5	129.252	274.087	64.8	303.034	44.8	24.115	1.358	0.741	28.6	1.547	12.5	−1.322	0.804	−31.3	1.547	BF exceeds limit NG
1016400.3	15376767.5	1640.2	129.648	274.347	64.7	303.438	44.8	24.147	1.362	0.746	28.7	1.553	12.4	−1.310	0.782	−30.8	1.525	BF exceeds limit NG
1016404.5	15376764.9	1639.9	130.036	274.589	64.7	303.823	44.9	24.177	1.367	0.751	28.8	1.560	12.3	−1.298	0.759	−30.3	1.503	BF exceeds limit NG
1016408.7	15376762.2	1639.7	130.461	274.943	64.6	304.325	45.0	24.217	1.371	0.757	28.9	1.566	12.2	−1.292	0.737	−29.7	1.487	BF exceeds limit NG
1016413.0	15376759.6	1639.5	131.277	276.433	64.6	306.021	45.0	24.352	1.376	0.766	29.1	1.575	12.5	−1.326	0.735	−29.0	1.516	BF exceeds limit NG
1016417.2	15376756.9	1639.4	132.061	277.835	64.6	307.624	45.0	24.480	1.381	0.775	29.3	1.584	12.7	−1.359	0.729	−28.2	1.542	BF exceeds limit NG
1016421.4	15376754.3	1639.2	132.800	279.113	64.6	309.095	45.0	24.597	1.387	0.784	29.5	1.593	13.0	−1.389	0.721	−27.4	1.564	BF exceeds limit NG
1016425.7	15376751.6	1639.1	133.504	280.296	64.5	310.466	45.1	24.706	1.392	0.793	29.7	1.602	13.2	−1.417	0.709	−26.6	1.585	BF and EF exceed limits NG
1016429.9	15376749.0	1638.9	134.173	281.381	64.5	311.733	45.1	24.807	1.397	0.803	29.9	1.611	13.4	−1.446	0.695	−25.7	1.604	BF and EF exceed limits NG

1016434.1	15376746.3	1638.7	134.805	282.366	64.5	312.895	45.1	24.899	1.401	0.812	30.1	1.619	13.5	-1.475	0.680	-24.7	1.624	BF and EF exceed limits NG
1016438.4	15376743.6	1638.6	135.402	283.249	64.5	313.948	45.2	24.983	1.405	0.821	30.3	1.627	13.7	-1.506	0.663	-23.8	1.645	BF and EF exceed limits NG
1016442.6	15376741.0	1638.5	136.176	284.659	64.4	315.555	45.2	25.111	1.408	0.832	30.6	1.635	14.1	-1.560	0.659	-22.9	1.694	BF and EF exceed limits NG
1016446.9	15376738.3	1638.4	136.943	286.055	64.4	317.145	45.2	25.238	1.410	0.842	30.8	1.642	14.6	-1.622	0.659	-22.1	1.751	BF and EF exceed limits NG
1016451.1	15376735.7	1638.2	137.292	286.222	64.4	317.446	45.3	25.262	1.410	0.848	31.0	1.645	14.8	-1.650	0.640	-21.2	1.770	BF and EF exceed limits NG
1016455.3	15376733.0	1637.9	137.203	285.101	64.3	316.397	45.4	25.178	1.408	0.852	31.2	1.646	14.6	-1.645	0.603	-20.1	1.752	BF and EF exceed limits NG
1016459.6	15376730.4	1637.6	137.073	283.865	64.2	315.227	45.5	25.085	1.405	0.854	31.3	1.644	14.5	-1.646	0.570	-19.1	1.742	BF and EF exceed limits NG
1016463.8	15376727.7	1637.4	136.904	282.516	64.1	313.939	45.7	24.982	1.400	0.856	31.4	1.641	14.5	-1.652	0.542	-18.2	1.739	BF and EF exceed limits NG
1016468.0	15376725.0	1637.1	136.590	280.746	64.1	312.210	45.8	24.845	1.394	0.856	31.5	1.636	14.4	-1.654	0.513	-17.2	1.732	BF and EF exceed limits NG
1016472.3	15376722.4	1636.7	136.125	278.541	64.0	310.025	46.0	24.671	1.386	0.854	31.6	1.628	14.3	-1.651	0.484	-16.3	1.721	BF and EF exceed limits NG
1016476.5	15376719.7	1636.4	135.579	276.107	63.8	307.599	46.2	24.478	1.378	0.851	31.7	1.619	14.2	-1.649	0.459	-15.6	1.712	BF and EF exceed limits NG
1016480.7	15376717.1	1636.0	134.988	273.554	63.7	305.047	46.3	24.275	1.367	0.847	31.8	1.609	14.1	-1.652	0.441	-14.9	1.710	BF and EF exceed limits NG
1016485.0	15376714.4	1635.7	134.405	271.034	63.6	302.530	46.5	24.075	1.356	0.843	31.9	1.597	14.2	-1.663	0.431	-14.5	1.718	BF exceeds limit NG
1016489.2	15376711.8	1635.2	133.162	266.625	63.5	298.029	46.8	23.716	1.343	0.833	31.8	1.580	13.7	-1.618	0.392	-13.6	1.665	BF exceeds limit NG
1016493.4	15376709.1	1634.7	131.842	262.027	63.3	293.326	47.1	23.342	1.329	0.822	31.7	1.563	13.2	-1.571	0.357	-12.8	1.611	BF exceeds limit NG
1016497.7	15376706.5	1634.2	130.505	257.410	63.1	288.602	47.4	22.966	1.314	0.811	31.7	1.544	12.8	-1.527	0.328	-12.1	1.562	BF exceeds limit NG
1016501.9	15376703.8	1633.8	129.165	252.820	62.9	283.904	47.7	22.592	1.299	0.799	31.6	1.525	12.4	-1.487	0.305	-11.6	1.518	BF exceeds limit NG
1016506.2	15376701.1	1633.3	127.861	248.363	62.8	279.343	48.0	22.229	1.284	0.787	31.5	1.506	12.1	-1.453	0.289	-11.3	1.481	BF exceeds limit NG
1016510.4	15376698.5	1632.7	126.139	242.773	62.5	273.587	48.4	21.771	1.268	0.772	31.3	1.485	11.4	-1.377	0.252	-10.4	1.399	BF exceeds limit NG
1016514.6	15376695.8	1632.1	124.372	237.111	62.3	267.750	48.8	21.307	1.253	0.757	31.2	1.464	10.6	-1.294	0.214	-9.4	1.312	BF exceeds limit NG
1016518.9	15376693.2	1631.6	122.876	232.241	62.1	262.744	49.1	20.908	1.239	0.744	31.0	1.445	10.1	-1.237	0.193	-8.9	1.252	BF exceeds limit NG
1016523.1	15376690.5	1631.2	121.966	228.998	62.0	259.453	49.4	20.647	1.226	0.735	30.9	1.430	10.1	-1.234	0.206	-9.5	1.251	BF exceeds limit NG
1016527.3	15376687.9	1630.9	121.073	225.822	61.8	256.231	49.7	20.390	1.215	0.726	30.8	1.415	10.1	-1.229	0.217	-10.0	1.248	BF exceeds limit NG
1016531.6	15376685.2	1630.5	120.183	222.811	61.7	253.158	49.9	20.146	1.205	0.718	30.8	1.403	10.0	-1.216	0.218	-10.2	1.235	BF exceeds limit NG
1016535.8	15376682.5	1630.2	119.270	219.613	61.5	249.910	50.2	19.887	1.196	0.710	30.7	1.391	9.9	-1.198	0.221	-10.4	1.218	BF exceeds limit NG
1016540.0	15376679.9	1629.9	119.111	216.799	61.2	247.365	50.7	19.685	1.188	0.704	30.7	1.381	9.9	-1.191	0.227	-10.8	1.212	BF exceeds limit NG
1016544.3	15376677.2	1629.8	118.755	215.142	61.1	245.741	50.9	19.555	1.181	0.700	30.7	1.373	10.2	-1.221	0.254	-11.8	1.247	BF exceeds limit NG
1016548.5	15376674.6	1629.6	118.384	213.451	61.0	244.082	51.1	19.423	1.175	0.697	30.7	1.367	10.5	-1.245	0.275	-12.5	1.275	BF exceeds limit NG
1016552.8	15376671.9	1629.4	117.998	211.724	60.9	242.385	51.3	19.288	1.170	0.695	30.7	1.360	10.7	-1.265	0.291	-12.9	1.298	BF exceeds limit NG
1016557.0	15376669.3	1629.3	117.582	209.927	60.7	240.613	51.5	19.147	1.164	0.693	30.8	1.355	10.9	-1.278	0.300	-13.2	1.313	BF exceeds limit NG
1016561.2	15376666.6	1629.1	117.138	208.062	60.6	238.770	51.7	19.001	1.159	0.691	30.8	1.349	11.0	-1.287	0.303	-13.3	1.322	BF exceeds limit NG
1016565.5	15376664.0	1629.0	116.667	206.133	60.5	236.859	51.9	18.849	1.153	0.689	30.9	1.344	11.1	-1.291	0.302	-13.2	1.326	BF exceeds limit NG
1016569.7	15376661.3	1628.8	116.150	204.089	60.4	234.826	52.2	18.687	1.148	0.688	30.9	1.338	11.1	-1.290	0.294	-12.9	1.323	BF exceeds limit NG
1016573.9	15376658.6	1628.6	115.558	201.859	60.2	232.596	52.4	18.509	1.142	0.686	31.0	1.333	11.0	-1.280	0.280	-12.3	1.310	BF exceeds limit NG
1016578.2	15376656.0	1628.4	114.942	199.576	60.1	230.309	52.7	18.327	1.137	0.684	31.0	1.327	10.9	-1.268	0.261	-11.7	1.295	BF exceeds limit NG
1016582.4	15376653.3	1628.3	114.303	197.243	59.9	227.969	53.0	18.141	1.131	0.683	31.1	1.321	10.8	-1.254	0.240	-10.8	1.277	BF exceeds limit NG
1016586.6	15376650.7	1628.1	113.642	194.863	59.7	225.580	53.2	17.951	1.125	0.681	31.2	1.315	10.6	-1.238	0.217	-9.9	1.257	BF exceeds limit NG
1016590.9	15376648.0	1627.9	112.960	192.440	59.6	223.144	53.5	17.757	1.119	0.679	31.3	1.309	10.4	-1.220	0.191	-8.9	1.235	BF exceeds limit NG
1016595.1	15376645.4	1627.7	112.358	190.227	59.4	220.931	53.8	17.581	1.112	0.678	31.4	1.303	10.4	-1.212	0.171	-8.0	1.224	BF exceeds limit NG
1016599.4	15376642.7	1627.6	111.885	188.348	59.3	219.073	54.0	17.433	1.106	0.677	31.5	1.297	10.4	-1.219	0.160	-7.5	1.230	BF exceeds limit NG
1016603.6	15376640.0	1627.5	111.392	186.420	59.1	217.165	54.3	17.281	1.099	0.675	31.5	1.290	10.5	-1.225	0.148	-6.9	1.234	BF exceeds limit NG
1016607.8	15376637.4	1627.4	110.880	184.447	59.0	215.210	54.6	17.126	1.093	0.673	31.6	1.283	10.5	-1.231	0.137	-6.4	1.238	BF exceeds limit NG
1016612.1	15376634.7	1627.3	110.350	182.433	58.8	213.211	54.9	16.967	1.086	0.671	31.7	1.276	10.6	-1.236	0.126	-5.8	1.242	BF exceeds limit NG
1016616.3	15376632.1	1627.2	109.805	180.381	58.7	211.174	55.1	16.805	1.078	0.668	31.8	1.268	10.7	-1.241	0.116	-5.4	1.247	BF exceeds limit NG
1016620.5	15376629.4	1627.1	109.246	178.297	58.5	209.104	55.4	16.640	1.070	0.665	31.8	1.260	10.7	-1.247	0.107	-4.9	1.252	BF exceeds limit NG
1016624.8	15376626.8	1627.0	108.676	176.186	58.3	207.007	55.8	16.473	1.062	0.661	31.9	1.251	10.8	-1.253	0.099	-4.5	1.257	BF exceeds limit NG
1016629.0	15376624.1	1626.9	108.099	174.053	58.2	204.890	56.1	16.305	1.054	0.658	32.0	1.242	10.9	-1.260	0.092	-4.2	1.263	BF exceeds limit NG
1016633.2	15376621.5	1626.8	107.470	171.791	58.0	202.637	56.4	16.125	1.045	0.653	32.0	1.232	10.9	-1.262	0.083	-3.8	1.265	BF exceeds limit NG
1016637.5	15376618.8	1626.6	106.658	169.079	57.8	199.909	56.8	15.908	1.035	0.648	32.0	1.221	10.8	-1.246	0.063	-2.9	1.248	
1016641.7	15376616.1	1626.4	105.856	166.391	57.5	197.209	57.2	15.693	1.026	0.642	32.1	1.210	10.6	-1.231	0.045	-2.1	1.231	
1016645.9	15376613.5	1626.3	105.070	163.738	57.3	194.550	57.6	15.482	1.016	0.637	32.1	1.199	10.5	-1.216	0.027	-1.3	1.217	
1016650.2	15376610.8	1626.1	104.307	161.133	57.1	191.948	58.1	15.275	1.006	0.631	32.1	1.188	10.4	-1.203	0.010	-0.5	1.203	
1016654.4	15376608.2	1625.9	103.325	158.814	57.0	189.468	58.6	15.077	0.995	0.625	32.1	1.175	10.4	-1.163	-0.030	1.5	1.163	
1016658.7	15376605.5	1625.7	102.628	156.365	56.7	187.036	59.0	14.884	0.986	0.619	32.1	1.164	10.3	-1.152	-0.046	2.3	1.153	
1016662.9	15376602.9	1625.5	101.981	154.025	56.5	184.727	59.5	14.700	0.976	0.614	32.1	1.153	10.3	-1.142	-0.061	3.1	1.143	
1016667.1	15376600.2	1625.4	101.396	151.824	56.3	182.570	60.0	14.528	0.967	0.608	32.2	1.143	10.2	-1.134	-0.076	3.8	1.136	
1016671.4	15376597.5	1625.2	100.886	149.797	56.0	180.602	60.5	14.372	0.959	0.604	32.2	1.133	10.2	-1.128	-0.090	4.5	1.131	
1016675.6	15376594.9	1625.0	100.464	147.982	55.8	178.862	61.0	14.233	0.952	0.600	32.2	1.125	10.2	-1.124	-0.102	5.2	1.129	
1016679.8	15376592.2	1624.8	100.145	146.425	55.6	177.396	61.5	14.117	0.945	0.597	32.3	1.118	10.3	-1.124	-0.113	5.7	1.130	
1016684.1	15376589.6	1624.9	100.675	146.806	55.6	178.010	61.8	14.166	0.941	0.598	32.4	1.115	11.3	-1.209	-0.072	3.4	1.211	
1016688.3	15376586.9	1625.0	101.291	147.427	55.5	178.870	62.0	14.234	0.938	0.600	32.6	1.114	12.2	-1.292	-0.032	1.4	1.293	
1016692.5	15376584.3	1624.6	100.858	145.812	55.3	177.295	62.5	14.109	0.936	0.600	32.6	1.112	11.8	-1.253	-0.069	3.2	1.255	
1016696.8	15376581.6	1624.3	100.579	144.664	55.2	176.193	63.0	14.021	0.936	0.602	32.7	1.113	11.5	-1.221	-0.102	4.8	1.225	

Max EF along centerline is 1.773 (kV/m) at 120.000 (ft) from structure 102

Cross section results at max EF along centerline between structures 102 and 103


MAGNETIC FIELD VS. OFFSET RELATIVE TO LINE BETWEEN ST
120 (FT) AHEAD OF STRUCTURE 102
MAGNETIC FIELD (MG)
700
600
500
400
300
200
100
0
-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140
OFFSET (FT)



3D EMF Point Results Span from 102 to 103:

Measurement			B					H	EF					Space Potential				
X (ft)	Y (ft)	Z (ft)	Real (mG)	Imaginary (mG)	Angle (deg)	Magnitude (mG)	Polarization Axial Ratio %	Magnitude (A/m)	Real (kV/m)	Imaginary (kV/m)	Angle (deg)	Magnitude (kV/m)	Polarization Axial Ratio %	Real (kV)	Imaginary (kV)	Angle (deg)	Magnitude (kV)	
1016287.2	15376991.9	1666.5	32.984	71.876	65.3	79.083	25.6	6.293	0.045	0.374	83.1	0.376	3.5	0.080	0.369	77.8	0.378	
1016284.5	15376987.7	1667.0	37.353	87.513	66.9	95.152	22.9	7.572	0.074	0.464	80.9	0.470	3.4	0.048	0.509	84.6	0.511	
1016281.9	15376983.4	1667.5	43.110	107.981	68.2	116.268	20.4	9.252	0.114	0.583	78.9	0.594	3.3	-0.004	0.709	-89.7	0.709	
1016279.2	15376979.2	1667.3	50.526	133.052	69.2	142.322	17.9	11.326	0.167	0.740	77.3	0.759	2.8	-0.050	0.822	-86.5	0.824	
1016276.5	15376975.0	1667.3	60.658	166.600	70.0	177.299	15.7	14.109	0.238	0.944	75.8	0.974	2.5	-0.123	1.033	-83.2	1.040	
1016273.9	**15376970.7**	**1667.3**	**74.342**	**210.515**	**70.5**	**223.256**	**14.0**	**17.766**	**0.327**	**1.203**	**74.8**	**1.247**	**2.2**	**-0.215**	**1.291**	**-80.6**	**1.308**	**BF exceeds limit NG**
1016271.2	**15376966.5**	**1667.5**	**92.761**	**268.315**	**70.9**	**283.898**	**12.9**	**22.592**	**0.425**	**1.513**	**74.3**	**1.571**	**1.9**	**-0.329**	**1.633**	**-78.6**	**1.666**	**BF exceeds limit NG**
1016268.6	**15376962.3**	**1667.6**	**115.997**	**340.815**	**71.2**	**360.014**	**12.5**	**28.649**	**0.503**	**1.833**	**74.7**	**1.901**	**2.1**	**-0.428**	**1.989**	**-77.9**	**2.035**	**BF and EF exceed limits NG**
1016265.9	**15376958.0**	**1667.6**	**141.075**	**422.783**	**71.5**	**445.699**	**12.9**	**35.468**	**0.501**	**2.065**	**76.4**	**2.124**	**3.4**	**-0.437**	**2.215**	**-78.8**	**2.258**	**BF and EF exceed limits NG**
1016263.3	**15376953.8**	**1667.6**	**161.458**	**503.381**	**72.2**	**528.641**	**14.1**	**42.068**	**0.365**	**2.060**	**80.0**	**2.092**	**6.6**	**-0.298**	**2.204**	**-82.3**	**2.224**	**BF and EF exceed limits NG**
1016260.6	**15376949.5**	**1667.7**	**168.483**	**569.145**	**73.5**	**593.559**	**15.8**	**47.234**	**0.226**	**1.729**	**82.6**	**1.743**	**12.9**	**-0.010**	**1.898**	**-89.7**	**1.898**	**BF and EF exceed limits NG**
1016257.9	**15376945.3**	**1667.8**	**154.695**	**608.189**	**75.7**	**627.555**	**16.9**	**49.939**	**0.393**	**1.143**	**71.0**	**1.208**	**25.6**	**0.312**	**1.292**	**76.4**	**1.330**	**BF exceeds limit NG**
1016255.3	**15376941.1**	**1667.9**	**119.381**	**614.857**	**79.0**	**626.340**	**15.8**	**49.843**	**0.491**	**0.559**	**48.7**	**0.744**	**59.0**	**0.462**	**0.532**	**49.0**	**0.704**	**BF exceeds limit NG**
1016252.6	**15376936.8**	**1667.9**	**73.150**	**595.633**	**83.0**	**600.108**	**11.7**	**47.755**	**0.380**	**0.503**	**52.9**	**0.631**	**58.6**	**0.364**	**-0.131**	**-19.8**	**0.387**	**BF exceeds limit NG**
1016250.0	**15376932.6**	**1667.6**	**29.150**	**544.899**	**86.9**	**545.678**	**5.0**	**43.424**	**0.178**	**0.714**	**76.0**	**0.735**	**23.8**	**0.103**	**-0.445**	**-77.0**	**0.457**	**BF exceeds limit NG**
1016247.3	**15376928.4**	**1667.6**	**33.925**	**497.452**	**86.1**	**498.608**	**2.9**	**39.678**	**0.224**	**0.758**	**73.5**	**0.791**	**18.7**	**-0.129**	**-0.519**	**76.0**	**0.535**	**BF exceeds limit NG**
1016244.7	**15376924.1**	**1667.6**	**62.134**	**449.274**	**82.1**	**453.550**	**10.8**	**36.092**	**0.375**	**0.595**	**57.8**	**0.704**	**27.5**	**-0.322**	**-0.356**	**47.9**	**0.480**	**BF exceeds limit NG**
1016242.0	**15376919.9**	**1667.6**	**85.575**	**407.059**	**78.1**	**415.957**	**18.9**	**33.101**	**0.493**	**0.340**	**34.6**	**0.599**	**51.0**	**-0.469**	**-0.022**	**2.7**	**0.469**	**BF exceeds limit NG**
1016239.4	**15376915.7**	**1667.5**	**104.036**	**376.981**	**74.6**	**391.073**	**26.4**	**31.121**	**0.601**	**0.338**	**29.3**	**0.689**	**34.8**	**-0.607**	**0.375**	**-31.7**	**0.713**	**BF exceeds limit NG**
1016236.7	**15376911.4**	**1667.5**	**119.220**	**360.422**	**71.7**	**379.628**	**32.7**	**30.210**	**0.725**	**0.667**	**42.6**	**0.985**	**13.0**	**-0.776**	**0.779**	**-45.1**	**1.100**	**BF exceeds limit NG**
1016234.0	**15376907.2**	**1667.6**	**132.080**	**355.728**	**69.6**	**379.457**	**37.1**	**30.196**	**0.875**	**1.027**	**49.6**	**1.350**	**4.3**	**-0.999**	**1.171**	**-49.5**	**1.539**	**BF exceeds limit NG**
1016231.4	**15376902.9**	**1667.5**	**141.571**	**358.025**	**68.4**	**384.999**	**39.3**	**30.637**	**1.047**	**1.331**	**51.8**	**1.694**	**2.6**	**-1.221**	**1.452**	**-49.9**	**1.897**	**BF and EF exceed limits NG**

1016228.7	**15376898.7**	**1667.5**	**148.225**	**364.373**	**67.9**	**393.368**	**40.0**	**31.303**	**1.221**	**1.534**	**51.5**	**1.961**	**4.5**	**-1.461**	**1.618**	**-47.9**	**2.180**	**BF and EF exceed limits NG**
1016226.1	**15376894.5**	**1667.5**	**151.380**	**370.007**	**67.7**	**399.776**	**39.8**	**31.813**	**1.373**	**1.597**	**49.3**	**2.106**	**6.8**	**-1.678**	**1.612**	**-43.9**	**2.327**	**BF and EF exceed limits NG**
1016223.4	**15376890.2**	**1667.5**	**151.040**	**371.152**	**67.9**	**400.708**	**39.4**	**31.887**	**1.479**	**1.499**	**45.4**	**2.106**	**9.6**	**-1.845**	**1.412**	**-37.4**	**2.323**	**BF and EF exceed limits NG**
1016220.8	**15376886.0**	**1667.5**	**147.281**	**363.968**	**68.0**	**392.638**	**39.3**	**31.245**	**1.529**	**1.250**	**39.3**	**1.976**	**13.1**	**-1.904**	**0.998**	**-27.7**	**2.149**	**BF and EF exceed limits NG**
1016218.1	**15376881.8**	**1667.4**	**141.766**	**349.401**	**67.9**	**377.066**	**39.7**	**30.006**	**1.528**	**0.901**	**30.5**	**1.773**	**17.3**	**-1.901**	**0.479**	**-14.1**	**1.960**	**BF and EF exceed limits NG**
1016215.4	**15376877.5**	**1667.3**	**135.380**	**328.275**	**67.6**	**355.094**	**40.8**	**28.258**	**1.485**	**0.529**	**19.6**	**1.576**	**20.9**	**-1.842**	**-0.067**	**2.1**	**1.843**	**BF exceeds limit NG**
1016212.8	**15376873.3**	**1667.2**	**128.748**	**302.607**	**67.0**	**328.857**	**42.3**	**26.170**	**1.413**	**0.300**	**12.0**	**1.444**	**21.2**	**-1.746**	**-0.567**	**18.0**	**1.835**	**BF exceeds limit NG**
1016210.1	**15376869.1**	**1667.0**	**121.869**	**273.953**	**66.0**	**299.837**	**44.4**	**23.860**	**1.321**	**0.423**	**17.8**	**1.387**	**17.5**	**-1.605**	**-0.966**	**31.0**	**1.873**	**BF exceeds limit NG**
1016207.5	**15376864.8**	**1666.8**	**114.827**	**244.606**	**64.9**	**270.218**	**46.9**	**21.503**	**1.215**	**0.635**	**27.6**	**1.371**	**12.7**	**-1.442**	**-1.238**	**40.6**	**1.900**	**BF exceeds limit NG**
1016204.8	**15376860.6**	**1666.7**	**107.667**	**216.287**	**63.5**	**241.604**	**49.7**	**19.226**	**1.102**	**0.792**	**35.7**	**1.357**	**8.8**	**-1.274**	**-1.391**	**47.5**	**1.887**	**BF exceeds limit NG**
1016202.2	**15376856.4**	**1666.6**	**100.555**	**190.244**	**62.1**	**215.184**	**52.7**	**17.124**	**0.985**	**0.882**	**41.8**	**1.322**	**6.2**	**-1.124**	**-1.462**	**52.4**	**1.844**	**BF exceeds limit NG**
1016199.5	15376852.1	1666.5	93.495	166.722	60.7	191.148	55.8	15.211	0.870	0.914	46.4	1.262	4.5	-0.986	-1.469	56.1	1.769	
1016196.9	15376847.9	1666.4	86.562	145.801	59.3	169.561	58.9	13.493	0.760	0.904	50.0	1.181	3.4	-0.855	-1.429	59.1	1.665	
1016194.2	15376843.6	1666.3	79.905	127.507	57.9	150.476	62.0	11.974	0.659	0.866	52.7	1.089	2.7	-0.737	-1.362	61.6	1.549	
1016191.5	15376839.4	1666.1	73.505	111.492	56.6	133.542	65.1	10.627	0.568	0.812	55.0	0.991	2.2	-0.618	-1.261	63.9	1.404	
1016188.9	15376835.2	1666.0	67.559	97.744	55.3	118.819	68.1	9.455	0.488	0.750	57.0	0.895	1.8	-0.515	-1.155	66.0	1.265	
1016186.2	15376830.9	1665.8	62.091	85.976	54.2	106.052	71.1	8.439	0.418	0.686	58.7	0.803	1.6	-0.428	-1.052	67.9	1.136	
1016183.6	15376826.7	1665.6	57.099	75.909	53.0	94.987	73.9	7.559	0.358	0.624	60.2	0.719	1.4	-0.354	-0.955	69.7	1.018	
1016180.9	15376822.5	1665.5	52.565	67.290	52.0	85.387	76.6	6.795	0.306	0.565	61.6	0.642	1.2	-0.292	-0.865	71.4	0.913	
1016178.3	15376818.2	1665.3	48.462	59.895	51.0	77.045	79.1	6.131	0.262	0.511	62.8	0.574	1.1	-0.240	-0.785	73.0	0.821	
1016175.6	15376814.0	1665.2	44.762	53.540	50.1	69.787	81.5	5.553	0.225	0.462	64.0	0.513	1.0	-0.199	-0.715	74.5	0.742	
1016172.9	15376809.8	1665.1	41.422	48.052	49.2	63.441	83.8	5.049	0.193	0.417	65.2	0.460	1.0	-0.164	-0.654	75.9	0.674	
1016170.3	15376805.5	1664.9	38.403	43.290	48.4	57.869	85.9	4.605	0.166	0.377	66.2	0.412	0.9	-0.135	-0.598	77.2	0.614	
1016167.6	15376801.3	1664.8	35.669	39.141	47.7	52.956	87.8	4.214	0.143	0.342	67.3	0.371	0.9	-0.111	-0.548	78.6	0.559	
1016165.0	15376797.0	1664.5	33.162	35.481	46.9	48.566	89.5	3.865	0.124	0.311	68.3	0.334	0.8	-0.085	-0.491	80.1	0.498	
1016162.3	15376792.8	1664.3	30.904	32.285	46.3	44.692	90.8	3.556	0.107	0.283	69.2	0.302	0.8	-0.066	-0.444	81.6	0.449	
1016159.7	15376788.6	1664.2	28.869	29.481	45.6	41.262	91.7	3.284	0.093	0.258	70.1	0.274	0.7	-0.052	-0.408	82.8	0.411	
1016157.0	15376784.3	1664.0	27.022	27.005	45.0	38.203	92.1	3.040	0.081	0.235	71.0	0.249	0.7	-0.040	-0.377	83.9	0.379	
1016154.4	15376780.1	1663.9	25.336	24.804	44.4	35.457	92.1	2.822	0.071	0.216	71.9	0.227	0.7	-0.030	-0.348	85.0	0.349	
1016151.7	15376775.9	1663.8	23.803	22.848	43.8	32.994	91.5	2.626	0.062	0.198	72.7	0.207	0.7	-0.023	-0.324	86.0	0.325	
1016149.0	15376771.6	1663.6	22.390	21.089	43.3	30.758	90.7	2.448	0.054	0.182	73.5	0.190	0.6	-0.015	-0.297	87.1	0.298	

Centerline results between structures 106 and 107

3D EMF Point Results Centerline from 106 to 107:

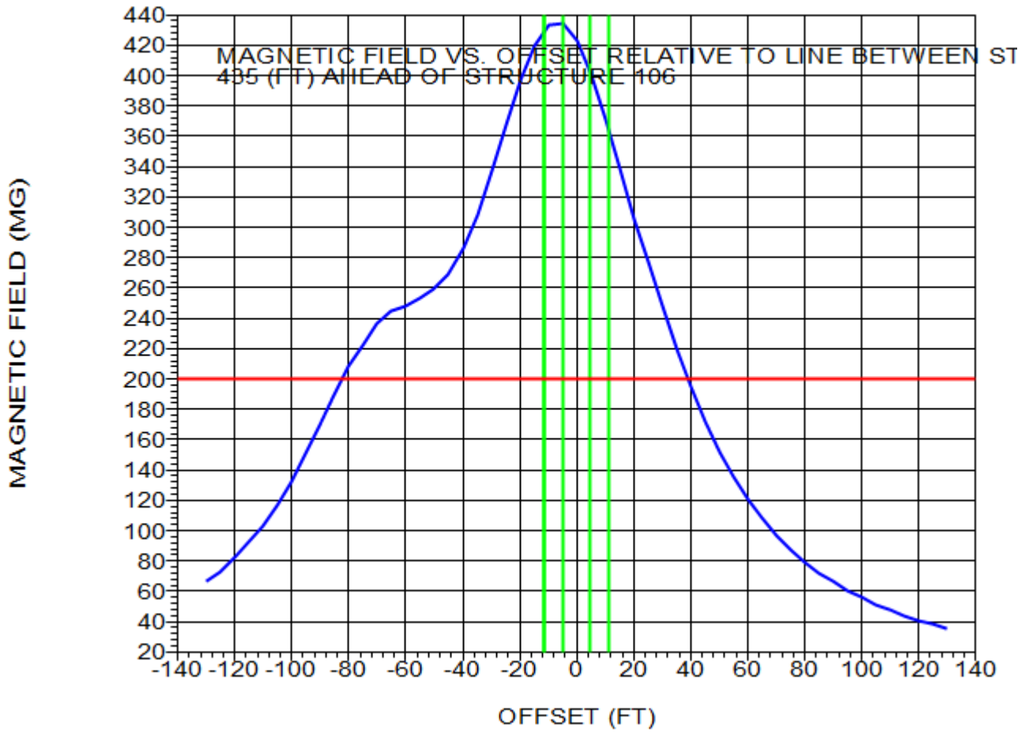
Measurement			B					H	EF					Space Potential					
X (ft)	Y (ft)	Z (ft)	Real (mG)	Imaginary (mG)	Angle (deg)	Magnitude (mG)	Polarization Axial Ratio %	Magnitude (A/m)	Real (kV/m)	Imaginary (kV/m)	Angle (deg)	Magnitude (kV/m)	Polarization Axial Ratio %	Real (kV)	Imaginary (kV)	Angle (deg)	Magnitude (kV)		
1018505.6	15375447.5	1519.3	140.780	184.947	52.7	232.431	62.5	18.496	0.959	0.750	38.0	1.217	13.9	-1.463	-0.723	26.3	1.632	BF exceeds limit	NG
1018509.9	15375444.8	1519.0	141.495	186.698	52.8	234.258	62.6	18.642	0.970	0.763	38.2	1.235	14.0	-1.481	-0.748	26.8	1.660	BF exceeds limit	NG
1018514.1	15375442.2	1518.7	142.485	189.229	53.0	236.875	62.7	18.850	0.986	0.781	38.4	1.258	14.2	-1.508	-0.772	27.1	1.694	BF exceeds limit	NG
1018518.4	15375439.5	1518.3	143.530	191.984	53.2	239.705	62.7	19.075	1.006	0.801	38.5	1.285	14.1	-1.523	-0.807	27.9	1.724	BF exceeds limit	NG
1018522.6	15375436.8	1517.9	144.740	195.196	53.4	243.005	62.7	19.338	1.027	0.824	38.7	1.317	14.0	-1.539	-0.847	28.8	1.757	BF exceeds limit	NG
1018526.8	15375434.2	1517.5	146.309	199.311	53.7	247.247	62.6	19.675	1.051	0.849	38.9	1.352	14.2	-1.575	-0.875	29.0	1.802	BF exceeds limit	NG
1018531.1	15375431.5	1517.2	148.195	204.221	54.0	252.326	62.4	20.079	1.077	0.877	39.2	1.389	14.4	-1.630	-0.892	28.7	1.858	BF exceeds limit	NG
1018535.3	15375428.9	1516.8	150.266	209.594	54.4	257.895	62.2	20.523	1.104	0.907	39.4	1.428	14.8	-1.694	-0.905	28.1	1.921	BF exceeds limit	NG
1018539.5	15375426.2	1516.5	152.501	215.383	54.7	263.906	61.9	21.001	1.130	0.937	39.6	1.468	15.2	-1.768	-0.914	27.3	1.990	BF exceeds limit	NG
1018543.8	15375423.6	1516.2	154.866	221.506	55.0	270.275	61.6	21.508	1.157	0.967	39.9	1.508	15.6	-1.851	-0.918	26.4	2.066	BF exceeds limit	NG
1018548.0	15375420.9	1515.6	156.690	226.253	55.3	275.213	61.4	21.901	1.182	0.995	40.1	1.545	15.6	-1.888	-0.962	27.0	2.119	BF exceeds limit	NG
1018552.2	15375418.2	1515.1	158.487	230.921	55.5	280.076	61.2	22.288	1.206	1.022	40.3	1.581	15.6	-1.926	-1.006	27.6	2.173	BF exceeds limit	NG
1018556.5	15375415.6	1514.6	160.314	235.666	55.8	285.025	61.0	22.682	1.228	1.049	40.5	1.615	15.6	-1.974	-1.045	27.9	2.233	BF and EF exceed limits	NG
1018560.7	15375412.9	1514.0	162.208	240.590	56.0	290.164	60.8	23.090	1.248	1.074	40.7	1.647	15.8	-2.036	-1.072	27.8	2.301	BF and EF exceed limits	NG
1018565.0	15375410.3	1513.5	164.140	245.632	56.2	295.427	60.6	23.509	1.266	1.099	41.0	1.676	16.0	-2.112	-1.086	27.2	2.375	BF and EF exceed limits	NG
1018569.2	15375407.6	1513.0	166.470	251.749	56.5	301.811	60.3	24.017	1.282	1.124	41.2	1.705	16.8	-2.235	-1.059	25.4	2.473	BF and EF exceed limits	NG
1018573.4	15375405.0	1512.4	168.181	256.255	56.7	306.515	60.1	24.392	1.294	1.144	41.5	1.727	17.1	-2.319	-1.062	24.6	2.551	BF and EF exceed limits	NG
1018577.7	15375402.3	1511.6	168.803	257.875	56.8	308.211	60.1	24.527	1.302	1.157	41.6	1.742	16.7	-2.328	-1.125	25.8	2.585	BF and EF exceed limits	NG
1018581.9	15375399.6	1510.5	168.230	256.329	56.7	306.604	60.5	24.399	1.306	1.162	41.7	1.748	15.6	-2.253	-1.254	29.1	2.578	BF and EF exceed limits	NG
1018586.1	15375397.0	1509.3	166.963	252.998	56.6	303.125	61.0	24.122	1.306	1.163	41.7	1.748	14.2	-2.136	-1.416	33.6	2.563	BF and EF exceed limits	NG
1018590.4	15375394.3	1508.5	167.719	255.011	56.7	305.221	61.0	24.289	1.306	1.170	41.9	1.753	14.4	-2.203	-1.412	32.7	2.617	BF and EF exceed limits	NG
1018594.6	15375391.7	1507.7	168.490	257.084	56.8	307.378	61.0	24.460	1.304	1.176	42.0	1.756	14.8	-2.285	-1.388	31.3	2.674	BF and EF exceed limits	NG
1018598.8	15375389.0	1506.7	167.825	255.408	56.7	305.611	61.3	24.320	1.300	1.175	42.1	1.752	14.3	-2.260	-1.450	32.7	2.685	BF and EF exceed limits	NG
1018603.1	15375386.4	1505.7	167.331	254.213	56.6	304.342	61.6	24.219	1.294	1.173	42.2	1.747	14.0	-2.259	-1.481	33.2	2.701	BF and EF exceed limits	NG
1018607.3	15375383.7	1505.0	168.399	257.103	56.8	307.344	61.4	24.458	1.290	1.177	42.4	1.747	15.0	-2.395	-1.381	30.0	2.765	BF and EF exceed limits	NG
1018611.6	15375381.1	1503.9	167.529	254.970	56.7	305.083	61.7	24.278	1.283	1.173	42.4	1.738	14.7	-2.383	-1.401	30.5	2.764	BF and EF exceed limits	NG
1018615.8	15375378.4	1502.6	165.685	250.372	56.5	300.229	62.3	23.891	1.273	1.163	42.4	1.724	13.8	-2.300	-1.470	32.6	2.730	BF and EF exceed limits	NG
1018620.0	15375375.7	1501.1	162.491	243.391	56.3	292.647	63.0	23.288	1.259	1.148	42.4	1.704	12.3	-2.112	-1.621	37.5	2.662	BF and EF exceed limits	NG
1018624.3	15375373.1	1500.1	161.582	241.317	56.2	290.418	63.3	23.111	1.247	1.137	42.4	1.688	12.4	-2.127	-1.571	36.5	2.644	BF and EF exceed limits	NG
1018628.5	15375370.4	1498.8	159.803	237.154	56.0	285.971	63.8	22.757	1.231	1.121	42.3	1.665	12.2	-2.089	-1.567	36.9	2.611	BF and EF exceed limits	NG
1018632.7	15375367.8	1497.8	159.140	235.740	56.0	284.427	63.9	22.634	1.214	1.102	42.2	1.640	12.9	-2.144	-1.443	33.9	2.584	BF and EF exceed limits	NG

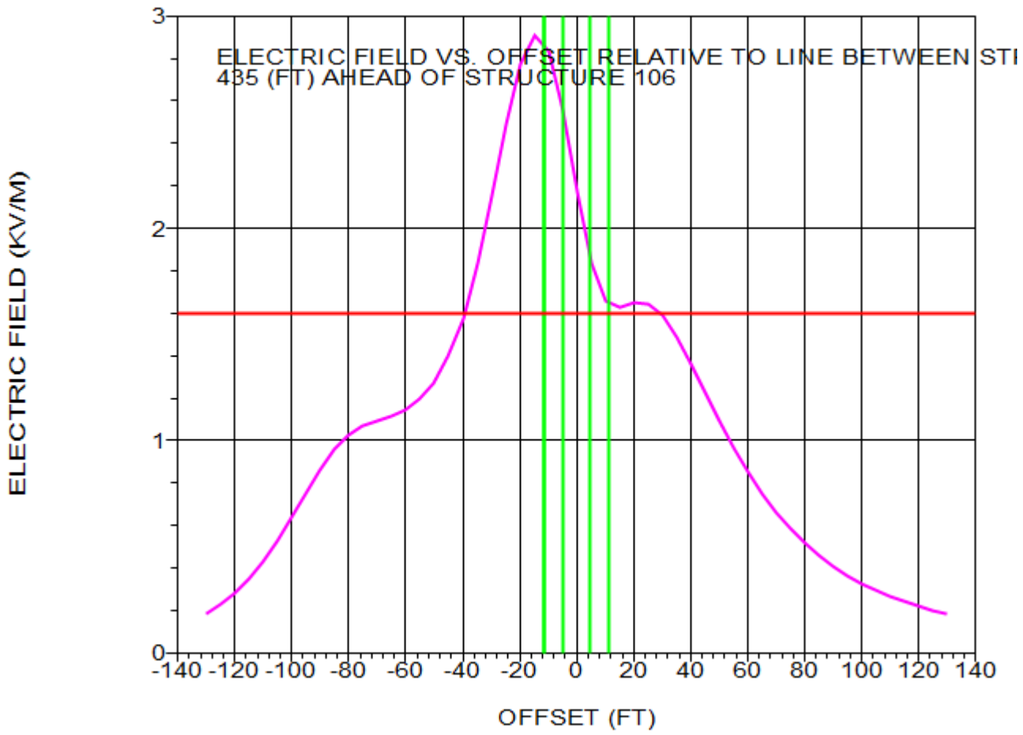
1018637.0	15375365.1	1496.3	156.195	228.755	55.7	276.994	64.7	22.043	1.193	1.074	42.0	1.605	12.1	−2.020	−1.458	35.8	2.491	BF and EF exceed limits NG
1018641.2	15375362.5	1494.8	153.136	221.605	55.4	269.368	65.5	21.436	1.169	1.043	41.7	1.567	11.4	−1.890	−1.457	37.6	2.387	BF exceeds limit NG
1018645.4	15375359.8	1493.3	150.143	214.722	55.0	262.008	66.3	20.850	1.146	1.010	41.4	1.527	10.9	−1.767	−1.432	39.0	2.275	BF exceeds limit NG
1018649.7	15375357.1	1491.8	147.377	208.461	54.7	255.296	67.1	20.316	1.123	0.976	41.0	1.488	10.5	−1.659	−1.377	39.7	2.156	BF exceeds limit NG
1018653.9	15375354.5	1490.0	143.391	199.499	54.3	245.684	68.2	19.551	1.099	0.941	40.6	1.447	9.7	−1.438	−1.400	44.2	2.007	BF exceeds limit NG
1018658.1	15375351.8	1488.4	140.479	193.101	54.0	238.793	69.0	19.003	1.079	0.908	40.1	1.410	9.4	−1.295	−1.344	46.1	1.867	BF exceeds limit NG
1018662.4	15375349.2	1487.1	138.485	188.804	53.7	234.147	69.6	18.633	1.063	0.876	39.5	1.378	9.4	−1.215	−1.227	45.3	1.727	BF exceeds limit NG
1018666.6	15375346.5	1486.2	137.930	187.692	53.7	232.923	69.7	18.535	1.053	0.848	38.9	1.352	9.7	−1.243	−1.019	39.4	1.607	BF exceeds limit NG
1018670.9	15375343.9	1485.5	138.206	188.396	53.7	233.653	69.5	18.594	1.047	0.825	38.2	1.333	10.2	−1.324	−0.771	30.2	1.532	BF exceeds limit NG
1018675.1	15375341.2	1484.4	136.718	185.193	53.6	230.192	69.9	18.318	1.041	0.801	37.6	1.314	9.8	−1.234	−0.655	28.0	1.397	BF exceeds limit NG
1018679.3	15375338.6	1483.6	136.582	184.948	53.6	229.913	69.9	18.296	1.040	0.782	37.0	1.302	9.9	−1.244	−0.467	20.6	1.329	BF exceeds limit NG
1018683.6	15375335.9	1482.8	136.603	185.030	53.6	229.992	69.8	18.302	1.041	0.767	36.4	1.293	10.0	−1.251	−0.288	13.0	1.283	BF exceeds limit NG
1018687.8	15375333.2	1482.3	137.373	186.742	53.7	231.828	69.5	18.448	1.045	0.757	35.9	1.291	10.6	−1.308	−0.080	3.5	1.310	BF exceeds limit NG
1018692.0	15375330.6	1481.6	137.366	186.730	53.7	231.814	69.5	18.447	1.049	0.746	35.4	1.287	10.7	−1.285	0.063	−2.8	1.286	BF exceeds limit NG
1018696.3	15375327.9	1480.7	136.880	185.646	53.6	230.653	69.6	18.355	1.053	0.735	34.9	1.284	10.2	−1.208	0.160	−7.6	1.218	BF exceeds limit NG
1018700.5	15375325.3	1479.8	136.157	184.029	53.5	228.922	69.7	18.217	1.057	0.724	34.4	1.282	9.4	−1.099	0.229	−11.8	1.122	BF exceeds limit NG
1018704.7	15375322.6	1479.1	136.070	183.797	53.5	228.684	69.7	18.198	1.063	0.717	34.0	1.283	9.0	−1.036	0.320	−17.1	1.084	BF exceeds limit NG
1018709.0	15375320.0	1478.5	136.555	184.811	53.5	229.788	69.5	18.286	1.071	0.714	33.7	1.287	9.0	−1.015	0.428	−22.9	1.102	BF exceeds limit NG
1018713.2	15375317.3	1478.0	137.161	186.085	53.6	231.173	69.3	18.396	1.080	0.712	33.4	1.293	9.1	−0.997	0.528	−27.9	1.128	BF exceeds limit NG
1018717.5	15375314.6	1477.4	137.496	186.752	53.6	231.908	69.1	18.455	1.088	0.711	33.2	1.300	8.9	−0.946	0.598	−32.3	1.119	BF exceeds limit NG
1018721.7	15375312.0	1477.3	139.725	191.639	53.9	237.168	68.4	18.873	1.101	0.720	33.2	1.315	10.4	−1.058	0.761	−35.7	1.303	BF exceeds limit NG
1018725.9	15375309.3	1477.0	140.913	194.187	54.0	239.928	68.0	19.093	1.113	0.724	33.1	1.328	10.8	−1.071	0.817	−37.4	1.347	BF exceeds limit NG
1018730.2	15375306.7	1476.5	141.468	195.351	54.1	241.196	67.8	19.194	1.124	0.728	32.9	1.339	10.5	−1.020	0.860	−40.1	1.334	BF exceeds limit NG
1018734.4	15375304.0	1476.2	142.997	198.731	54.3	244.831	67.3	19.483	1.137	0.736	32.9	1.354	11.2	−1.049	0.946	−42.0	1.413	BF exceeds limit NG
1018738.6	15375301.4	1475.9	144.165	201.309	54.4	247.606	66.9	19.704	1.150	0.743	32.9	1.369	11.4	−1.042	1.002	−43.9	1.446	BF exceeds limit NG
1018742.9	15375298.7	1475.5	145.189	203.569	54.5	250.040	66.5	19.898	1.163	0.750	32.8	1.384	11.4	−1.016	1.043	−45.7	1.456	BF exceeds limit NG
1018747.1	15375296.1	1475.2	146.165	205.725	54.6	252.363	66.2	20.082	1.176	0.757	32.7	1.399	11.2	−0.982	1.073	−47.5	1.455	BF exceeds limit NG
1018751.3	15375293.4	1475.0	147.842	209.541	54.8	256.446	65.7	20.407	1.191	0.767	32.8	1.416	11.7	−1.005	1.136	−48.5	1.517	BF exceeds limit NG
1018755.6	15375290.7	1474.8	149.683	213.782	55.0	260.975	65.1	20.768	1.206	0.778	32.8	1.435	12.3	−1.038	1.202	−49.2	1.589	BF exceeds limit NG
1018759.8	15375288.1	1474.7	151.521	218.062	55.2	265.537	64.5	21.131	1.222	0.789	32.9	1.455	12.8	−1.065	1.263	−49.8	1.652	BF exceeds limit NG
1018764.0	15375285.4	1473.4	148.674	211.160	54.9	258.249	65.3	20.551	1.232	0.776	32.2	1.456	8.6	−0.668	1.059	−57.8	1.252	BF exceeds limit NG
1018768.3	15375282.8	1473.0	149.477	212.951	54.9	260.176	65.0	20.704	1.248	0.782	32.1	1.472	7.9	−0.589	1.052	−60.8	1.206	BF exceeds limit NG
1018772.5	15375280.1	1474.0	155.868	228.304	55.7	276.437	63.2	21.998	1.272	0.816	32.7	1.511	12.7	−1.006	1.350	−53.3	1.684	BF exceeds limit NG
1018776.8	15375277.5	1473.9	157.809	233.007	55.9	281.418	62.7	22.394	1.292	0.828	32.6	1.535	12.9	−1.016	1.395	−53.9	1.726	BF exceeds limit NG
1018781.0	15375274.8	1473.5	158.519	234.675	56.0	283.197	62.4	22.536	1.312	0.832	32.4	1.554	11.9	−0.908	1.368	−56.4	1.642	BF exceeds limit NG
1018785.2	15375272.1	1473.2	159.514	237.069	56.1	285.739	62.1	22.738	1.333	0.840	32.2	1.576	11.1	−0.818	1.349	−58.8	1.578	BF exceeds limit NG
1018789.5	15375269.5	1473.2	162.022	243.329	56.3	292.335	61.4	23.263	1.359	0.856	32.2	1.606	11.6	−0.855	1.406	−58.7	1.646	BF and EF exceed limits NG
1018793.7	15375266.8	1473.4	165.302	251.690	56.7	301.119	60.5	23.962	1.386	0.878	32.4	1.641	12.8	−0.953	1.498	−57.5	1.776	BF and EF exceed limits NG
1018797.9	15375264.2	1473.6	168.487	259.967	57.1	309.792	59.7	24.652	1.414	0.901	32.5	1.677	13.8	−1.038	1.578	−56.7	1.889	BF and EF exceed limits NG
1018802.2	15375261.5	1473.5	170.616	265.563	57.3	315.647	59.1	25.118	1.442	0.917	32.4	1.709	13.8	−1.027	1.595	−57.2	1.897	BF and EF exceed limits NG
1018806.4	15375258.9	1473.8	174.348	275.610	57.7	326.126	58.2	25.952	1.472	0.945	32.7	1.749	15.1	−1.155	1.692	−55.7	2.048	BF and EF exceed limits NG
1018810.6	15375256.2	1473.9	177.552	284.408	58.0	335.280	57.4	26.681	1.501	0.970	32.9	1.787	16.0	−1.238	1.754	−54.8	2.147	BF and EF exceed limits NG
1018814.9	15375253.6	1474.0	180.638	293.048	58.3	344.248	56.6	27.394	1.530	0.996	33.1	1.826	16.8	−1.313	1.804	−53.9	2.231	BF and EF exceed limits NG
1018819.1	15375250.9	1474.1	183.332	300.725	58.6	352.201	55.9	28.027	1.557	1.021	33.2	1.861	17.3	−1.360	1.827	−53.3	2.278	BF and EF exceed limits NG
1018823.4	15375248.2	1474.1	186.024	308.531	58.9	360.272	55.3	28.670	1.583	1.046	33.5	1.897	17.8	−1.414	1.845	−52.5	2.324	BF and EF exceed limits NG
1018827.6	15375245.6	1474.2	188.611	316.162	59.2	368.147	54.6	29.296	1.607	1.072	33.7	1.932	18.3	−1.467	1.852	−51.6	2.363	BF and EF exceed limits NG
1018831.8	15375242.9	1474.1	190.837	322.833	59.4	375.020	54.1	29.843	1.630	1.097	33.9	1.965	18.6	−1.500	1.836	−50.8	2.370	BF and EF exceed limits NG
1018836.1	15375240.3	1474.1	192.846	328.945	59.6	381.306	53.6	30.343	1.651	1.120	34.2	1.995	18.7	−1.525	1.805	−49.8	2.363	BF and EF exceed limits NG
1018840.3	15375237.6	1473.8	193.842	332.026	59.7	384.469	53.3	30.595	1.669	1.135	34.2	2.018	18.1	−1.474	1.719	−49.4	2.265	BF and EF exceed limits NG
1018844.5	15375235.0	1473.5	194.183	333.113	59.8	385.579	53.2	30.683	1.684	1.145	34.2	2.037	17.1	−1.380	1.596	−49.2	2.110	BF and EF exceed limits NG
1018848.8	15375232.3	1473.5	196.334	339.837	60.0	392.475	52.6	31.232	1.701	1.172	34.6	2.065	17.6	−1.456	1.574	−47.2	2.144	BF and EF exceed limits NG
1018853.0	15375229.6	1473.5	198.672	347.258	60.2	400.073	52.1	31.837	1.715	1.200	35.0	2.094	18.4	−1.563	1.568	−45.1	2.214	BF and EF exceed limits NG
1018857.2	15375227.0	1473.5	200.921	354.520	60.5	407.497	51.5	32.428	1.728	1.228	35.4	2.120	19.2	−1.678	1.564	−43.0	2.294	BF and EF exceed limits NG
1018861.5	15375224.3	1473.5	203.142	361.808	60.7	414.936	51.0	33.020	1.739	1.256	35.8	2.145	20.1	−1.807	1.569	−41.0	2.394	BF and EF exceed limits NG
1018865.7	15375221.7	1473.3	204.125	365.139	60.8	418.323	50.7	33.289	1.744	1.270	36.1	2.158	20.2	−1.849	1.518	−39.4	2.392	BF and EF exceed limits NG
1018869.9	15375219.0	1473.1	204.863	367.701	60.9	420.919	50.5	33.496	1.747	1.281	36.3	2.166	20.3	−1.890	1.466	−37.8	2.392	BF and EF exceed limits NG
1018874.2	15375216.4	1472.9	205.543	370.096	61.0	423.343	50.3	33.689	1.745	1.291	36.5	2.171	20.5	−1.947	1.426	−36.2	2.413	BF and EF exceed limits NG
1018878.4	15375213.7	1472.5	205.182	369.056	60.9	422.258	50.3	33.602	1.740	1.289	36.5	2.165	20.1	−1.935	1.341	−34.7	2.354	BF and EF exceed limits NG
1018882.7	15375211.1	1472.1	204.116	365.697	60.8	418.805	50.4	33.327	1.730	1.280	36.5	2.152	19.4	−1.882	1.230	−33.2	2.248	BF and EF exceed limits NG
1018886.9	15375208.4	1471.6	202.999	362.194	60.7	415.202	50.6	33.041	1.718	1.270	36.5	2.136	18.7	−1.842	1.129	−31.5	2.161	BF and EF exceed limits NG
1018891.1	15375205.7	1471.1	201.920	358.838	60.6	411.748	50.7	32.766	1.704	1.261	36.5	2.120	18.2	−1.822	1.042	−29.8	2.099	BF and EF exceed limits NG
1018895.4	15375203.1	1470.5	200.086	353.056	60.5	405.811	51.0	32.293	1.687	1.246	36.4	2.097	17.3	−1.751	0.919	−27.7	1.977	BF and EF exceed limits NG
1018899.6	15375200.4	1470.1	199.303	350.711	60.4	403.386	51.1	32.100	1.670	1.240	36.6	2.080	17.3	−1.783	0.866	−25.9	1.982	BF and EF exceed limits NG
1018903.8	15375197.8	1469.8	198.846	349.431	60.4	402.047	51.1	31.994	1.654	1.238	36.8	2.066	17.6	−1.853	0.839	−24.4	2.034	BF and EF exceed limits NG
1018908.1	15375195.1	1469.5	198.273	347.784	60.3	400.332	51.1	31.857	1.636	1.236	37.1	2.051	18.0	−1.921	0.812	−22.9	2.085	BF and EF exceed limits NG
1018912.3	15375192.5	1468.8	195.924	340.472	60.1	392.820	51.5	31.260	1.616	1.219	37.0	2.024	17.0	−1.846	0.684	−20.3	1.968	BF and EF exceed limits NG
1018916.5	15375189.8	1468.0	192.571	330.101	59.7	382.165	52.1	30.412	1.594	1.195	36.9	1.992	15.2	−1.691	0.500	−16.5	1.763	BF and EF exceed limits NG
1018920.8	15375187.1	1467.5	191.260	326.208	59.6	378.143	52.3	30.092	1.574	1.187	37.0	1.972	15.1	−1.717	0.447	−14.6	1.774	BF and EF exceed limits NG
1018925.0	15375184.5	1466.8	188.347	317.408	59.3	369.083	52.8	29.371	1.552	1.167	37.0	1.942	13.8	−1.610	0.304	−10.7	1.639	BF and EF exceed limits NG
1018929.3	15375181.8	1466.4	187.726	314.713	59.2	366.450	52.9	29.161	1.533	1.161	37.1	1.923	14.3	−1.668	0.288	−9.8	1.693	BF and EF exceed limits NG
1018933.5	15375179.2	1466.0	186.116	310.020	59.0	361.596	53.1	28.775	1.511	1.148	37.2	1.897	14.2	−1.688	0.245	−8.3	1.705	BF and EF exceed limits NG
1018937.7	15375176.5	1465.4	183.904	303.548	58.8	354.911	53.5	28.243	1.487	1.131	37.3	1.868	13.7	−1.661	0.172	−5.9	1.669	BF and EF exceed limits NG
1018942.0	15375173.9	1464.7	181.427	296.350	58.5	347.475	53.9	27.651	1.462	1.111	37.2	1.836	13.1	−1.616	0.091	−3.2	1.619	BF and EF exceed limits NG
1018946.2	15375171.2	1464.0	178.947	289.212	58.3	340.096	54.3	27.064	1.436	1.092	37.2	1.804	12.5	−1.577	0.017	−0.6	1.577	BF and EF exceed limits NG

1018950.4	15375168.5	1463.4	176.686	282.777	58.0	333.438	54.7	26.534	1.409	1.073	37.3	1.771	12.2	-1.561	-0.036	1.3	1.562	BF and EF exceed limits NG
1018954.7	15375165.9	1462.9	174.931	277.850	57.8	328.331	55.0	26.128	1.383	1.057	37.4	1.740	12.4	-1.594	-0.049	1.8	1.594	BF and EF exceed limits NG
1018958.9	15375163.2	1462.4	173.185	272.965	57.6	323.269	55.3	25.725	1.356	1.040	37.5	1.709	12.6	-1.629	-0.056	2.0	1.630	BF and EF exceed limits NG
1018963.1	15375160.6	1461.8	171.086	267.101	57.4	317.196	55.7	25.242	1.329	1.021	37.5	1.676	12.6	-1.634	-0.081	2.8	1.636	BF and EF exceed limits NG
1018967.4	15375157.9	1461.1	168.332	259.435	57.0	309.261	56.2	24.610	1.301	0.998	37.5	1.640	12.0	-1.583	-0.144	5.2	1.589	BF and EF exceed limits NG
1018971.6	15375155.3	1460.6	166.653	254.803	56.8	304.463	56.5	24.228	1.274	0.980	37.6	1.608	12.4	-1.624	-0.132	4.6	1.630	BF and EF exceed limits NG
1018975.8	15375152.6	1460.0	164.763	249.590	56.6	299.068	56.9	23.799	1.247	0.960	37.6	1.574	12.6	-1.646	-0.130	4.5	1.651	BF exceeds limit NG
1018980.1	15375150.0	1459.5	162.752	244.049	56.3	293.339	57.3	23.343	1.220	0.938	37.6	1.539	12.8	-1.654	-0.134	4.6	1.660	BF exceeds limit NG
1018984.3	15375147.3	1458.6	159.870	236.173	55.9	285.195	57.9	22.695	1.192	0.912	37.4	1.501	12.0	-1.582	-0.195	7.0	1.594	BF exceeds limit NG
1018988.6	15375144.6	1457.8	157.156	228.793	55.5	277.569	58.5	22.088	1.164	0.887	37.3	1.464	11.4	-1.518	-0.248	9.3	1.538	BF exceeds limit NG
1018992.8	15375142.0	1456.9	154.140	220.670	55.1	269.173	59.2	21.420	1.137	0.861	37.2	1.426	10.4	-1.418	-0.325	12.9	1.455	BF exceeds limit NG
1018997.0	15375139.3	1456.4	152.882	217.119	54.8	265.544	59.6	21.131	1.113	0.843	37.1	1.396	11.1	-1.468	-0.292	11.2	1.497	BF exceeds limit NG
1019001.3	15375136.7	1456.0	151.753	213.851	54.6	262.224	59.9	20.867	1.090	0.826	37.2	1.368	11.9	-1.519	-0.259	9.7	1.540	BF exceeds limit NG
1019005.5	15375134.0	1455.3	150.104	209.221	54.3	257.497	60.4	20.491	1.068	0.807	37.1	1.338	12.0	-1.511	-0.271	10.2	1.535	BF exceeds limit NG
1019009.7	15375131.4	1454.7	148.898	205.690	54.1	253.927	60.8	20.207	1.047	0.791	37.1	1.313	12.5	-1.530	-0.265	9.8	1.553	BF exceeds limit NG
1019014.0	15375128.7	1454.0	147.183	200.896	53.8	249.042	61.4	19.818	1.028	0.774	37.0	1.287	12.2	-1.490	-0.307	11.6	1.522	BF exceeds limit NG
1019018.2	15375126.0	1453.0	145.060	195.176	53.4	243.179	62.2	19.352	1.010	0.756	36.8	1.262	11.3	-1.398	-0.389	15.6	1.451	BF exceeds limit NG
1019022.4	15375123.4	1452.0	143.275	190.412	53.0	238.295	62.8	18.963	0.996	0.743	36.7	1.242	10.6	-1.319	-0.465	19.4	1.399	BF exceeds limit NG
1019026.7	15375120.7	1451.1	141.868	186.709	52.8	234.493	63.5	18.660	0.985	0.733	36.7	1.228	10.0	-1.257	-0.531	22.9	1.365	BF exceeds limit NG
1019030.9	15375118.1	1450.3	140.976	184.387	52.6	232.105	64.0	18.470	0.979	0.729	36.7	1.220	9.8	-1.223	-0.580	25.4	1.353	BF exceeds limit NG
1019035.2	15375115.4	1449.5	140.784	183.871	52.6	231.578	64.3	18.428	0.978	0.730	36.7	1.221	10.1	-1.234	-0.600	25.9	1.372	BF exceeds limit NG

Max EF along centerline is 2.171 (kV/m) at 435.000 (ft) from structure 106

Cross section results at max EF along centerline between structures 106 and 107


MAGNETIC FIELD VS. OFFSET RELATIVE TO LINE BETWEEN ST
435 (FT) AHEAD OF STRUCTURE 106
MAGNETIC FIELD (MG)
440
420
400
380
360
340
320
300
280
260
240
220
200
180
160
140
120
100
80
60
40
20
-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140
OFFSET (FT)



3D EMF Point Results Span from 106 to 107:

Measurement			B					H	EF					Space Potential				
X (ft)	Y (ft)	Z (ft)	Real (mG)	Imaginary (mG)	Angle (deg)	Magnitude (mG)	Polarization Axial Ratio %	Magnitude (A/m)	Real (kV/m)	Imaginary (kV/m)	Angle (deg)	Magnitude (kV/m)	Polarization Axial Ratio %	Real (kV)	Imaginary (kV)	Angle (deg)	Magnitude (kV)	
1018943.2	15375326.5	1465.8	61.417	24.931	22.1	66.284	37.9	5.275	0.176	0.067	20.8	0.189	5.1	-0.117	-0.132	48.4	0.176	
1018940.6	15375322.3	1466.0	67.933	27.886	22.3	73.434	40.1	5.844	0.204	0.106	27.4	0.230	4.6	-0.148	-0.134	42.1	0.200	
1018937.9	15375318.0	1466.6	75.688	31.975	22.9	82.165	42.2	6.538	0.235	0.157	33.9	0.282	3.4	-0.207	-0.116	29.3	0.238	
1018935.3	15375313.8	1467.1	84.653	37.197	23.7	92.464	43.6	7.358	0.267	0.224	40.0	0.348	2.3	-0.280	-0.078	15.5	0.290	
1018932.6	15375309.6	1467.3	94.318	43.037	24.5	103.673	43.6	8.250	0.299	0.308	45.9	0.429	1.9	-0.329	-0.047	8.2	0.333	
1018930.0	15375305.3	1467.5	105.354	50.529	25.6	116.844	42.5	9.298	0.327	0.412	51.5	0.526	1.3	-0.393	0.009	-1.4	0.393	
1018927.3	15375301.1	1468.0	118.157	60.411	27.1	132.705	40.4	10.560	0.347	0.532	56.8	0.635	0.7	-0.483	0.125	-14.5	0.499	
1018924.7	15375296.8	1468.6	132.480	72.775	28.8	151.152	37.3	12.028	0.352	0.664	62.1	0.752	1.6	-0.578	0.299	-27.3	0.651	
1018922.0	15375292.6	1468.9	146.785	86.410	30.5	170.330	33.0	13.554	0.333	0.797	67.3	0.864	2.8	-0.631	0.464	-36.3	0.783	
1018919.3	15375288.4	1469.3	160.679	101.590	32.3	190.101	28.3	15.128	0.283	0.917	72.8	0.959	4.5	-0.645	0.639	-44.7	0.907	
1018916.7	**15375284.1**	**1469.5**	**172.235**	**116.911**	**34.2**	**208.166**	**23.4**	**16.565**	**0.203**	**1.008**	**78.6**	**1.028**	**6.5**	**-0.596**	**0.770**	**-52.2**	**0.974**	**BF exceeds limit NG**
1018914.0	**15375279.9**	**1469.7**	**179.710**	**131.032**	**36.1**	**222.408**	**18.4**	**17.699**	**0.114**	**1.062**	**83.9**	**1.068**	**8.4**	**-0.487**	**0.823**	**-59.4**	**0.956**	**BF exceeds limit NG**
1018911.4	**15375275.7**	**1470.2**	**185.465**	**147.309**	**38.5**	**236.848**	**13.8**	**18.848**	**0.134**	**1.086**	**82.9**	**1.094**	**10.9**	**-0.332**	**0.970**	**-71.1**	**1.025**	**BF exceeds limit NG**
1018908.7	**15375271.4**	**1470.4**	**184.905**	**159.920**	**40.9**	**244.468**	**9.0**	**19.454**	**0.230**	**1.092**	**78.1**	**1.116**	**11.1**	**-0.145**	**0.979**	**-81.6**	**0.989**	**BF exceeds limit NG**
1018906.1	**15375267.2**	**1470.4**	**180.138**	**169.915**	**43.3**	**247.630**	**3.7**	**19.706**	**0.312**	**1.105**	**74.3**	**1.148**	**9.0**	**0.017**	**0.907**	**89.0**	**0.907**	**BF exceeds limit NG**
1018903.4	**15375263.0**	**1470.6**	**175.438**	**181.880**	**46.0**	**252.703**	**1.7**	**20.109**	**0.349**	**1.146**	**73.0**	**1.198**	**5.7**	**0.164**	**0.938**	**80.1**	**0.952**	**BF exceeds limit NG**
1018900.7	**15375258.7**	**1470.9**	**171.734**	**194.892**	**48.6**	**259.761**	**7.6**	**20.671**	**0.327**	**1.231**	**75.1**	**1.274**	**1.6**	**0.258**	**1.017**	**75.8**	**1.050**	**BF exceeds limit NG**
1018898.1	**15375254.5**	**1470.9**	**170.541**	**207.883**	**50.6**	**268.886**	**14.0**	**21.397**	**0.239**	**1.375**	**80.1**	**1.395**	**1.9**	**0.262**	**1.059**	**76.1**	**1.090**	**BF exceeds limit NG**
1018895.4	**15375250.3**	**1471.3**	**174.621**	**226.833**	**52.4**	**286.262**	**20.0**	**22.780**	**0.111**	**1.573**	**86.0**	**1.577**	**5.1**	**0.210**	**1.325**	**81.0**	**1.342**	**BF exceeds limit NG**
1018892.8	**15375246.0**	**1471.6**	**182.886**	**248.170**	**53.6**	**308.279**	**25.8**	**24.532**	**0.196**	**1.823**	**83.9**	**1.834**	**6.5**	**0.053**	**1.610**	**88.1**	**1.611**	**BF and EF exceed limits NG**
1018890.1	**15375241.8**	**1472.0**	**195.411**	**275.587**	**54.7**	**337.836**	**30.8**	**26.884**	**0.478**	**2.101**	**77.2**	**2.154**	**7.2**	**-0.230**	**2.085**	**-83.7**	**2.098**	**BF and EF exceed limits NG**
1018887.5	**15375237.5**	**1472.2**	**208.133**	**303.300**	**55.5**	**367.845**	**35.1**	**29.272**	**0.807**	**2.360**	**71.1**	**2.494**	**6.9**	**-0.585**	**2.439**	**-76.5**	**2.509**	**BF and EF exceed limits NG**

1018884.8	15375233.3	1472.4	218.568	330.853	56.6	396.529	38.8	31.555	1.142	2.531	65.7	2.777	6.8	-0.976	2.696	-70.1	2.868	BF and EF exceed limits NG
1018882.2	15375229.1	1472.5	224.108	355.084	57.7	419.892	42.0	33.414	1.435	2.533	60.5	2.911	7.4	-1.356	2.783	-64.0	3.096	BF and EF exceed limits NG
1018879.5	15375224.8	1472.7	223.215	371.762	59.0	433.627	44.8	34.507	1.639	2.310	54.6	2.832	9.4	-1.670	2.611	-57.4	3.099	BF and EF exceed limits NG
1018876.8	15375220.6	1472.8	216.159	376.842	60.2	434.435	47.6	34.571	1.738	1.868	47.1	2.551	13.6	-1.862	2.129	-48.8	2.829	BF and EF exceed limits NG
1018874.2	15375216.4	1472.9	205.543	370.096	61.0	423.343	50.3	33.689	1.745	1.291	36.5	2.171	20.5	-1.947	1.426	-36.2	2.413	BF and EF exceed limits NG
1018871.5	15375212.1	1472.8	193.157	350.301	61.1	400.026	53.1	31.833	1.690	0.718	23.0	1.836	27.3	-1.872	0.603	-17.9	1.967	BF and EF exceed limits NG
1018868.9	15375207.9	1472.7	181.218	323.150	60.7	370.494	55.7	29.483	1.598	0.451	15.8	1.660	27.4	-1.731	-0.129	4.3	1.736	BF and EF exceed limits NG
1018866.2	15375203.7	1472.6	169.988	292.576	59.8	338.373	58.1	26.927	1.482	0.677	24.6	1.630	20.6	-1.568	-0.690	23.7	1.713	BF and EF exceed limits NG
1018863.6	15375199.4	1472.5	158.979	261.048	58.7	305.647	59.9	24.323	1.350	0.945	35.0	1.648	13.6	-1.394	-1.063	37.3	1.753	BF and EF exceed limits NG
1018860.9	15375195.2	1472.8	149.284	233.946	57.5	277.519	60.9	22.084	1.207	1.119	42.8	1.646	9.8	-1.361	-1.404	45.9	1.955	BF and EF exceed limits NG
1018858.2	15375190.9	1472.9	138.441	206.012	56.1	248.208	61.7	19.752	1.059	1.185	48.2	1.589	7.0	-1.227	-1.555	51.7	1.981	BF exceeds limit NG
1018855.6	15375186.7	1472.8	127.179	179.827	54.7	220.255	62.2	17.527	0.915	1.175	52.1	1.490	5.0	-1.054	-1.563	56.0	1.885	BF exceeds limit NG
1018852.9	15375182.5	1472.7	116.103	156.516	53.4	194.877	62.3	15.508	0.780	1.118	55.1	1.364	3.8	-0.880	-1.484	59.3	1.725	
1018850.3	15375178.2	1472.5	105.478	136.102	52.2	172.190	62.2	13.702	0.660	1.036	57.5	1.228	2.9	-0.708	-1.341	62.2	1.516	
1018847.6	15375174.0	1472.1	95.486	118.397	51.1	152.103	61.9	12.104	0.554	0.943	59.6	1.093	2.1	-0.540	-1.149	64.8	1.270	
1018845.0	15375169.8	1471.8	86.674	103.802	50.1	135.230	61.4	10.761	0.464	0.849	61.4	0.967	1.7	-0.427	-1.009	67.1	1.096	
1018842.3	15375165.5	1471.7	78.829	91.560	49.3	120.819	60.7	9.614	0.387	0.760	63.0	0.853	1.4	-0.344	-0.897	69.0	0.961	
1018839.7	15375161.3	1471.5	71.838	81.205	48.5	108.420	60.0	8.628	0.323	0.678	64.5	0.751	1.2	-0.282	-0.805	70.7	0.853	
1018837.0	15375157.1	1471.0	65.308	71.972	47.8	97.186	59.3	7.734	0.270	0.605	65.9	0.663	0.8	-0.199	-0.652	73.0	0.682	
1018834.3	15375152.8	1470.5	59.539	64.142	47.1	87.517	58.6	6.964	0.226	0.540	67.3	0.585	0.5	-0.137	-0.522	75.3	0.539	
1018831.7	15375148.6	1470.2	54.565	57.640	46.6	79.371	57.9	6.316	0.190	0.482	68.5	0.518	0.4	-0.104	-0.449	77.0	0.461	
1018829.0	15375144.4	1470.0	50.196	52.116	46.1	72.358	57.0	5.758	0.159	0.432	69.7	0.460	0.4	-0.085	-0.406	78.1	0.415	
1018826.4	15375140.1	1470.0	46.316	47.353	45.6	66.238	56.2	5.271	0.134	0.388	70.9	0.410	0.4	-0.074	-0.379	78.9	0.386	
1018823.7	15375135.9	1469.8	42.798	43.141	45.2	60.768	55.5	4.836	0.113	0.349	72.0	0.367	0.4	-0.061	-0.342	79.8	0.347	
1018821.1	15375131.6	1469.4	39.574	39.363	44.8	55.817	54.8	4.442	0.096	0.315	73.1	0.330	0.5	-0.043	-0.285	81.4	0.288	
1018818.4	15375127.4	1468.8	36.658	36.014	44.5	51.389	54.2	4.089	0.081	0.286	74.1	0.297	0.6	-0.027	-0.225	83.3	0.226	
1018815.7	15375123.2	1468.4	34.081	33.119	44.2	47.522	53.5	3.782	0.069	0.260	75.1	0.269	0.6	-0.018	-0.190	84.5	0.191	
1018813.1	15375118.9	1468.1	31.764	30.565	43.9	44.081	52.9	3.508	0.059	0.237	76.1	0.244	0.7	-0.013	-0.163	85.4	0.164	
1018810.4	15375114.7	1467.8	29.675	28.301	43.6	41.006	52.2	3.263	0.050	0.217	77.0	0.222	0.7	-0.010	-0.143	86.0	0.144	
1018807.8	15375110.5	1467.7	27.798	26.302	43.4	38.269	51.6	3.045	0.043	0.199	77.9	0.203	0.7	-0.010	-0.135	85.9	0.136	
1018805.1	15375106.2	1467.4	26.063	24.474	43.2	35.753	51.0	2.845	0.036	0.183	78.7	0.186	0.8	-0.007	-0.116	86.4	0.116	

Critical Energy/Electric Infrastructure Information (CEII) Has Been Redacted From This Document

PLS-CADD Version 20.01x64 10:29:28 AM Thursday, February 27, 2025
Quanta Services - Dashiell
Project Name: 'C:\projects\L72\5269-T0072-700 REV 0-0G PLS CADD MODEL.don'
Line Title: 'L72 New Analyses per Comments - TOWERS ACCR BITTERN'

3D EMF Calculation Notes:
1) Calculations based on the EPRI Red Book methods (3rd Edition, 2005 - 7.4 Calculation of Magnetic Fields and Appendices 7.1 Calculation of Field Ellipse Parameters and 7.6 Electric Field Calculations for 3D Geometry).
2) All wire positions are modeled at the specified weather case and wind direction. Height above ground determined by the modeled ground TIN.
3) Only the effects of wires are being analyzed. The effects of structures are not included unless enabled as noted below.
4) Ground return is being ignored for magnetic field calculations.

Meter height above ground:	3.28 (ft)
Maximum wire distance:	500.00 (ft)
Maximum cable segment size:	5.00 (ft)
Cross section offset +/-:	140.00 (ft)
Result interval:	5.00 (ft)
Electric field limit:	1.60 (kV/m)
Magnetic field limit:	200.00 (mG)
Space potential limit:	0.00 (kV)
Contour Map Spacing:	15 (ft)
Analyzing spans between these structures:	127 - 128

Section Data for 3D EMF Results:

Section Number	Section Note	Voltage Ph-Ph (kV)	Current (Amps)	Cable Filename	Cable Description	Conductors Per Phase	Bundle Diameter (in)	Cable Radius (in)	Weather Case	Condition	Wind Dir.	WC Temperature (deg F)	Effective Radius (in)
22		0.0	0.0	7no_7_alumoweld - 4950.wir	7#7 Alumoweld 7 Strands Alumoweld - Adapted from 1970's Publicly Available Data	1	0.000	0.216	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.216
64		0.0	0.0	TF-DNO-11467 - 5700.wir	AFL OPGW DNO-11467 S4-53/61/583	1	0.000	0.291	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.291
97		230.0	[redacted]	bluebird_acsr - 16000.wir 2156 kcmil 84/19 Strands BLUEBIRD ACSR - Adapted from 1970's Publicly Available Data		1	0.000	0.881	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.881

Centerline results between structures 127 and 128

3D EMF Point Results Centerline from 127 to 128:

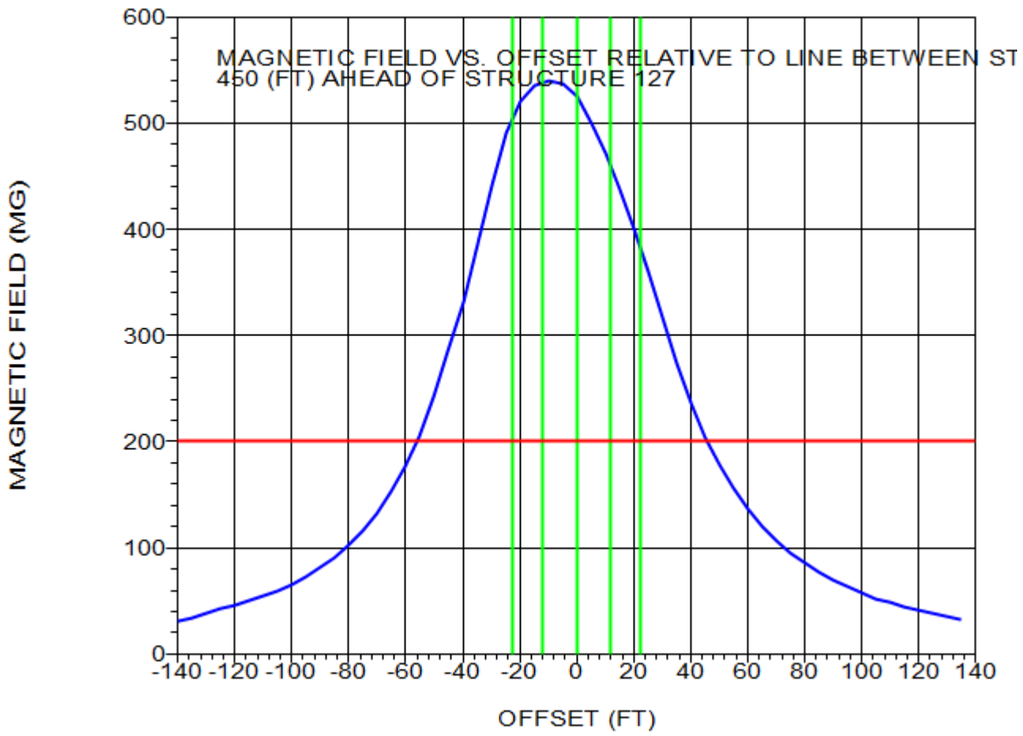
Measurement X (ft)	Measurement Y (ft)	Measurement Z (ft)	B Real (mG)	B Imaginary (mG)	B Angle (deg)	B Magnitude (mG)	B Polarization Axial Ratio %	H Magnitude (A/m)	EF Real (kV/m)	EF Imaginary (kV/m)	EF Angle (deg)	EF Magnitude (kV/m)	EF Polarization Axial Ratio %	Space Potential Real (kV)	Space Potential Imaginary (kV)	Space Potential Angle (deg)	Space Potential Magnitude (kV)	
1153161.5	15334515.8	1205.2	143.576	88.188	31.6	168.497	22.4	13.409	0.077	0.149	62.6	0.168	50.5	-0.920	-0.363	21.5	0.989	
1153165.7	15334513.2	1205.3	143.039	87.836	31.6	167.855	22.4	13.357	0.077	0.148	62.7	0.167	50.3	-0.909	-0.360	21.6	0.978	
1153170.0	15334510.6	1205.4	142.898	87.742	31.6	167.686	22.4	13.344	0.076	0.149	62.9	0.167	50.1	-0.901	-0.357	21.6	0.969	
1153174.2	15334508.0	1205.5	143.149	87.904	31.6	167.984	22.4	13.368	0.076	0.150	63.1	0.169	49.8	-0.896	-0.355	21.6	0.963	
1153178.5	15334505.3	1205.9	144.632	88.872	31.6	169.755	22.5	13.509	0.083	0.155	61.8	0.176	52.1	-0.894	-0.344	21.0	0.958	
1153182.7	15334502.7	1206.2	146.347	89.993	31.6	171.803	22.6	13.672	0.089	0.161	60.9	0.184	53.9	-0.895	-0.334	20.5	0.956	
1153187.0	15334500.1	1206.2	147.085	90.475	31.6	172.683	22.7	13.742	0.087	0.164	62.0	0.186	52.1	-0.896	-0.338	20.7	0.957	
1153191.2	15334497.5	1206.0	147.249	90.581	31.6	172.879	22.7	13.757	0.079	0.167	64.5	0.185	47.5	-0.896	-0.351	21.4	0.962	
1153195.5	15334494.8	1206.5	150.323	92.597	31.6	176.554	23.0	14.050	0.091	0.175	62.7	0.197	51.3	-0.903	-0.336	20.4	0.963	
1153199.8	15334492.2	1206.4	151.510	93.376	31.6	177.973	23.1	14.163	0.088	0.180	64.1	0.200	48.6	-0.906	-0.343	20.7	0.969	
1153204.0	15334489.6	1206.4	152.858	94.262	31.7	179.585	23.2	14.291	0.085	0.186	65.4	0.204	45.7	-0.910	-0.351	21.1	0.976	
1153208.3	15334486.9	1206.8	156.142	96.428	31.7	183.517	23.5	14.604	0.094	0.195	64.2	0.216	48.4	-0.919	-0.339	20.3	0.979	
1153212.5	15334484.3	1207.2	159.697	98.780	31.7	187.778	23.8	14.943	0.105	0.205	62.9	0.230	51.2	-0.928	-0.326	19.4	0.983	
1153216.8	15334481.7	1207.4	162.548	100.672	31.8	191.199	24.0	15.215	0.110	0.213	62.7	0.240	51.6	-0.935	-0.322	19.0	0.989	
1153221.0	15334479.1	1207.3	163.919	101.583	31.8	192.843	24.1	15.346	0.105	0.219	64.4	0.243	47.5	-0.938	-0.336	19.7	0.996	
1153225.3	15334476.4	1207.8	168.428	104.591	31.8	198.260	24.5	15.777	0.120	0.231	62.6	0.260	51.7	-0.949	-0.315	18.4	1.000	
1153229.5	15334473.8	1207.6	169.370	105.220	31.9	199.393	24.6	15.867	0.111	0.236	64.8	0.261	46.0	-0.949	-0.338	19.6	1.008	
1153233.8	**15334471.2**	**1207.5**	**170.817**	**106.189**	**31.9**	**201.133**	**24.7**	**16.006**	**0.105**	**0.243**	**66.5**	**0.265**	**41.2**	**-0.950**	**-0.356**	**20.6**	**1.014**	**BF exceeds limit NG**
1153238.0	**15334468.6**	**1207.8**	**174.268**	**108.504**	**31.9**	**205.286**	**25.0**	**16.336**	**0.112**	**0.253**	**66.1**	**0.277**	**41.8**	**-0.955**	**-0.352**	**20.2**	**1.018**	**BF exceeds limit NG**
1153242.3	**15334465.9**	**1208.1**	**177.995**	**111.014**	**32.0**	**209.777**	**25.3**	**16.693**	**0.120**	**0.264**	**65.6**	**0.290**	**42.7**	**-0.962**	**-0.345**	**19.7**	**1.022**	**BF exceeds limit NG**
1153246.6	**15334463.3**	**1208.4**	**181.692**	**113.512**	**32.0**	**214.235**	**25.6**	**17.048**	**0.128**	**0.276**	**65.2**	**0.304**	**43.2**	**-0.967**	**-0.340**	**19.4**	**1.025**	**BF exceeds limit NG**
1153250.8	**15334460.7**	**1208.9**	**187.048**	**117.146**	**32.1**	**220.704**	**26.0**	**17.563**	**0.145**	**0.291**	**63.5**	**0.325**	**47.2**	**-0.978**	**-0.314**	**17.8**	**1.027**	**BF exceeds limit NG**
1153255.1	**15334458.0**	**1209.2**	**190.788**	**119.695**	**32.1**	**225.226**	**26.3**	**17.923**	**0.152**	**0.303**	**63.4**	**0.339**	**47.1**	**-0.983**	**-0.309**	**17.5**	**1.030**	**BF exceeds limit NG**
1153259.3	**15334455.4**	**1209.4**	**194.416**	**122.177**	**32.1**	**229.618**	**26.6**	**18.272**	**0.158**	**0.315**	**63.4**	**0.352**	**46.4**	**-0.986**	**-0.306**	**17.3**	**1.032**	**BF exceeds limit NG**
1153263.6	**15334452.8**	**1209.6**	**197.962**	**124.611**	**32.2**	**233.917**	**26.9**	**18.614**	**0.163**	**0.327**	**63.5**	**0.365**	**45.5**	**-0.988**	**-0.305**	**17.2**	**1.034**	**BF exceeds limit NG**

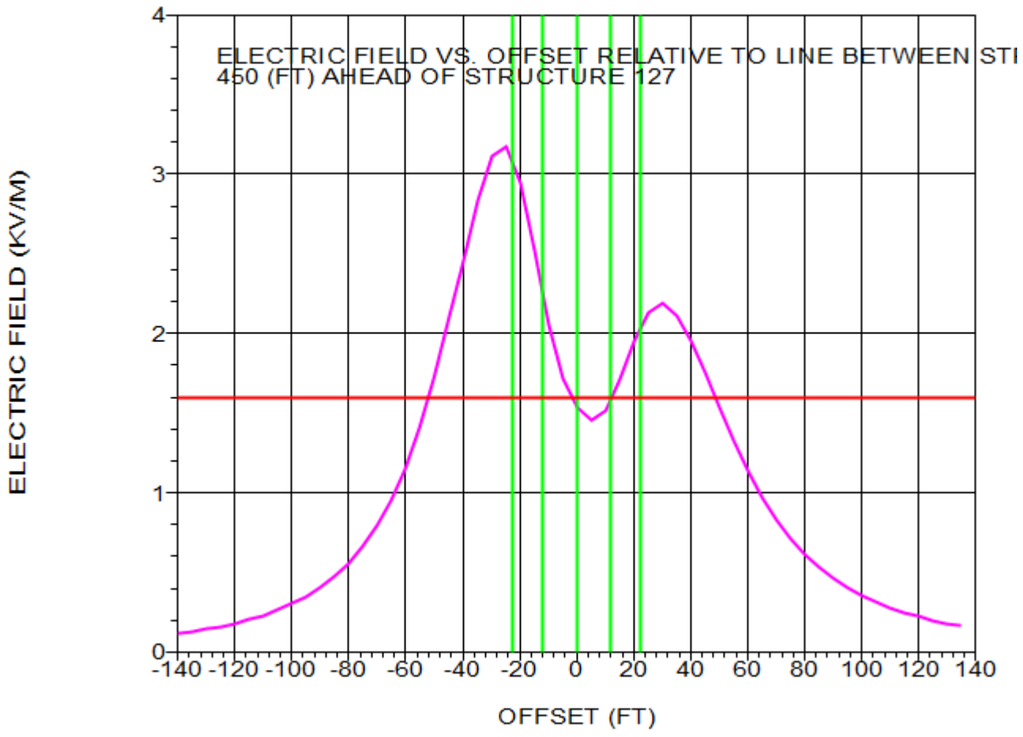
1153267.8	15334450.2	1209.9	202.374	127.652	32.2	239.270	27.3	19.041	0.173	0.340	63.0	0.382	46.1	−0.992	−0.293	16.5	1.035	BF exceeds limit	NG
1153272.1	15334447.5	1210.2	206.363	130.412	32.3	244.117	27.6	19.426	0.181	0.353	62.9	0.397	45.7	−0.995	−0.287	16.1	1.035	BF exceeds limit	NG
1153276.3	15334444.9	1210.4	209.651	132.695	32.3	248.116	27.9	19.744	0.184	0.366	63.2	0.410	43.8	−0.992	−0.292	16.4	1.034	BF exceeds limit	NG
1153280.6	15334442.3	1210.9	215.851	137.019	32.4	255.667	28.3	20.345	0.205	0.384	61.9	0.435	47.2	−1.004	−0.256	14.3	1.036	BF exceeds limit	NG
1153284.8	15334439.7	1211.3	221.066	140.676	32.5	262.031	28.8	20.852	0.219	0.400	61.3	0.456	48.5	−1.011	−0.234	13.0	1.037	BF exceeds limit	NG
1153289.1	15334437.0	1211.5	224.403	143.027	32.5	266.108	29.0	21.176	0.223	0.414	61.6	0.470	46.5	−1.007	−0.239	13.4	1.035	BF exceeds limit	NG
1153293.4	15334434.4	1211.6	228.164	145.607	32.5	270.666	29.2	21.539	0.228	0.427	61.9	0.484	44.7	−1.006	−0.247	13.8	1.036	BF exceeds limit	NG
1153297.6	15334431.8	1212.0	232.953	149.003	32.6	276.531	29.6	22.006	0.241	0.443	61.5	0.505	45.2	−1.009	−0.232	12.9	1.036	BF exceeds limit	NG
1153301.9	15334429.2	1212.4	238.684	153.088	32.7	283.559	30.1	22.565	0.259	0.462	60.7	0.529	47.1	−1.020	−0.201	11.2	1.039	BF exceeds limit	NG
1153306.1	15334426.5	1213.0	246.041	158.365	32.8	292.601	30.6	23.284	0.286	0.483	59.4	0.561	51.2	−1.042	−0.145	7.9	1.052	BF exceeds limit	NG
1153310.4	15334423.9	1213.3	251.249	162.125	32.8	299.016	31.0	23.795	0.301	0.500	58.9	0.584	52.2	−1.055	−0.118	6.4	1.061	BF exceeds limit	NG
1153314.6	15334421.3	1213.5	255.345	165.096	32.9	304.069	31.4	24.197	0.310	0.514	58.9	0.601	51.7	−1.063	−0.106	5.7	1.068	BF exceeds limit	NG
1153318.9	15334418.6	1213.7	258.432	167.343	32.9	307.881	31.6	24.500	0.313	0.526	59.2	0.613	50.1	−1.068	−0.108	5.8	1.073	BF exceeds limit	NG
1153323.1	15334416.0	1213.7	260.995	169.214	33.0	311.049	31.8	24.752	0.314	0.537	59.7	0.622	48.0	−1.073	−0.118	6.3	1.079	BF exceeds limit	NG
1153327.4	15334413.4	1213.8	263.099	170.754	33.0	313.653	32.0	24.960	0.312	0.547	60.3	0.630	45.5	−1.078	−0.136	7.2	1.086	BF exceeds limit	NG
1153331.6	15334410.8	1213.8	265.072	172.201	33.0	316.096	32.1	25.154	0.309	0.558	61.0	0.638	42.9	−1.084	−0.157	8.2	1.096	BF exceeds limit	NG
1153335.9	15334408.1	1213.9	268.072	174.406	33.0	319.812	32.3	25.450	0.312	0.571	61.3	0.651	41.7	−1.099	−0.165	8.5	1.112	BF exceeds limit	NG
1153340.1	15334405.5	1214.1	271.653	177.047	33.1	324.254	32.6	25.803	0.318	0.586	61.5	0.667	41.1	−1.119	−0.167	8.5	1.132	BF exceeds limit	NG
1153344.4	15334402.9	1214.3	274.215	178.943	33.1	327.436	32.8	26.057	0.320	0.600	62.0	0.680	39.4	−1.133	−0.188	9.4	1.148	BF exceeds limit	NG
1153348.7	15334400.3	1214.5	278.075	181.808	33.2	332.235	33.1	26.438	0.328	0.618	62.0	0.700	39.2	−1.155	−0.191	9.4	1.170	BF exceeds limit	NG
1153352.9	15334397.6	1214.8	282.592	185.175	33.2	337.858	33.5	26.886	0.340	0.637	61.9	0.723	39.7	−1.180	−0.185	8.9	1.195	BF exceeds limit	NG
1153357.2	15334395.0	1215.3	289.444	190.312	33.3	346.405	34.0	27.566	0.364	0.662	61.2	0.756	42.5	−1.222	−0.142	6.6	1.231	BF exceeds limit	NG
1153361.4	15334392.4	1215.4	291.850	192.125	33.4	349.411	34.2	27.805	0.366	0.678	61.6	0.770	40.7	−1.232	−0.172	7.9	1.244	BF exceeds limit	NG
1153365.7	15334389.7	1215.7	296.265	195.463	33.4	354.934	34.5	28.245	0.379	0.698	61.5	0.794	40.9	−1.257	−0.168	7.6	1.268	BF exceeds limit	NG
1153369.9	15334387.1	1216.0	300.754	198.873	33.5	360.560	34.9	28.692	0.391	0.717	61.4	0.817	41.2	−1.283	−0.161	7.1	1.293	BF exceeds limit	NG
1153374.2	15334384.5	1216.3	305.223	202.283	33.5	366.169	35.2	29.139	0.404	0.736	61.2	0.840	41.4	−1.312	−0.151	6.6	1.320	BF exceeds limit	NG
1153378.4	15334381.9	1216.6	309.660	205.684	33.6	371.746	35.5	29.583	0.416	0.755	61.1	0.862	41.6	−1.343	−0.140	5.9	1.350	BF exceeds limit	NG
1153382.7	15334379.2	1216.8	313.694	208.791	33.6	376.826	35.9	29.987	0.425	0.772	61.2	0.882	41.5	−1.375	−0.132	5.5	1.382	BF exceeds limit	NG
1153386.9	15334376.6	1217.1	317.102	211.426	33.7	381.123	36.1	30.329	0.431	0.788	61.3	0.898	40.8	−1.408	−0.132	5.3	1.414	BF exceeds limit	NG
1153391.2	15334374.0	1217.3	320.716	214.231	33.7	385.686	36.4	30.692	0.437	0.803	61.5	0.914	40.3	−1.448	−0.125	4.9	1.453	BF exceeds limit	NG
1153395.5	15334371.4	1217.5	323.956	216.754	33.8	389.781	36.6	31.018	0.440	0.817	61.7	0.928	39.5	−1.490	−0.123	4.7	1.495	BF exceeds limit	NG
1153399.7	15334368.7	1217.8	327.105	219.215	33.8	393.768	36.9	31.335	0.441	0.831	62.0	0.941	38.6	−1.538	−0.122	4.5	1.543	BF exceeds limit	NG
1153404.0	15334366.1	1218.0	330.826	222.134	33.9	398.484	37.2	31.710	0.445	0.846	62.3	0.956	38.2	−1.596	−0.109	3.9	1.600	BF exceeds limit	NG
1153408.2	15334363.5	1218.3	333.757	224.440	33.9	402.203	37.4	32.006	0.445	0.860	62.6	0.969	37.2	−1.653	−0.111	3.9	1.657	BF exceeds limit	NG
1153412.5	15334360.9	1218.5	337.608	227.483	34.0	407.097	37.7	32.396	0.449	0.877	62.9	0.985	37.0	−1.721	−0.098	3.3	1.723	BF exceeds limit	NG
1153416.7	15334358.2	1218.6	337.751	227.596	34.0	407.278	37.7	32.410	0.436	0.885	63.8	0.987	33.9	−1.763	−0.154	5.0	1.770	BF exceeds limit	NG
1153421.0	15334355.6	1218.9	340.998	230.171	34.0	411.410	38.0	32.739	0.438	0.902	64.1	1.002	33.2	−1.833	−0.156	4.9	1.840	BF exceeds limit	NG
1153425.2	15334353.0	1219.3	347.113	235.046	34.1	419.206	38.4	33.359	0.453	0.925	63.9	1.030	34.7	−1.929	−0.109	3.2	1.932	BF exceeds limit	NG
1153429.5	15334350.3	1219.6	350.189	237.510	34.1	423.135	38.7	33.672	0.454	0.942	64.3	1.046	34.0	−2.006	−0.119	3.4	2.010	BF exceeds limit	NG
1153433.7	15334347.7	1220.3	360.146	245.543	34.3	435.886	39.4	34.687	0.487	0.975	63.5	1.090	38.1	−2.141	−0.005	0.1	2.141	BF exceeds limit	NG
1153438.0	15334345.1	1220.3	357.885	243.711	34.3	432.986	39.3	34.456	0.461	0.980	64.8	1.083	33.8	−2.189	−0.116	3.0	2.192	BF exceeds limit	NG
1153442.3	15334342.5	1220.4	358.629	244.314	34.3	433.940	39.3	34.532	0.449	0.992	65.7	1.089	31.6	−2.266	−0.174	4.4	2.273	BF exceeds limit	NG
1153446.5	15334339.8	1220.6	359.928	245.366	34.3	435.606	39.4	34.664	0.438	1.006	66.5	1.098	29.7	−2.354	−0.224	5.4	2.365	BF exceeds limit	NG
1153450.8	15334337.2	1221.1	366.399	250.632	34.4	443.919	39.9	35.326	0.450	1.032	66.4	1.126	31.3	−2.486	−0.179	4.1	2.492	BF exceeds limit	NG
1153455.0	15334334.6	1221.1	364.540	249.117	34.3	441.530	39.8	35.136	0.424	1.040	67.8	1.123	27.3	−2.561	−0.294	6.6	2.578	BF exceeds limit	NG
1153459.3	15334332.0	1221.5	369.639	253.284	34.4	448.092	40.2	35.658	0.428	1.063	68.1	1.146	27.8	−2.690	−0.279	5.9	2.705	BF exceeds limit	NG
1153463.5	15334329.3	1222.0	374.766	257.499	34.5	454.704	40.6	36.184	0.432	1.088	68.3	1.170	28.3	−2.821	−0.265	5.4	2.833	BF exceeds limit	NG
1153467.8	15334326.7	1222.2	376.075	258.578	34.5	456.394	40.7	36.319	0.420	1.103	69.2	1.181	26.3	−2.924	−0.327	6.4	2.943	BF exceeds limit	NG
1153472.0	15334324.1	1222.6	380.073	261.886	34.6	461.562	41.0	36.730	0.419	1.126	69.6	1.201	26.1	−3.045	−0.339	6.3	3.063	BF exceeds limit	NG
1153476.3	15334321.4	1223.0	382.936	264.263	34.6	465.269	41.2	37.025	0.415	1.146	70.1	1.219	25.2	−3.153	−0.375	6.8	3.175	BF exceeds limit	NG
1153480.5	15334318.8	1223.3	385.305	266.236	34.6	468.339	41.4	37.269	0.410	1.165	70.6	1.236	24.2	−3.252	−0.423	7.4	3.280	BF exceeds limit	NG
1153484.8	15334316.2	1223.6	386.854	267.529	34.7	470.349	41.5	37.429	0.404	1.184	71.1	1.251	22.8	−3.339	−0.491	8.4	3.375	BF exceeds limit	NG
1153489.0	15334313.6	1224.0	390.617	270.680	34.7	475.236	41.8	37.818	0.410	1.209	71.3	1.276	22.8	−3.431	−0.518	8.6	3.470	BF exceeds limit	NG
1153493.3	15334310.9	1224.4	393.645	273.224	34.8	479.175	42.0	38.131	0.415	1.232	71.4	1.300	22.6	−3.511	−0.561	9.1	3.555	BF exceeds limit	NG
1153497.6	15334308.3	1224.8	397.286	276.295	34.8	483.917	42.3	38.509	0.423	1.258	71.4	1.327	22.8	−3.587	−0.592	9.4	3.635	BF exceeds limit	NG
1153501.8	15334305.7	1225.2	400.800	279.271	34.9	488.501	42.6	38.874	0.432	1.283	71.4	1.353	23.0	−3.656	−0.623	9.7	3.708	BF exceeds limit	NG
1153506.1	15334303.1	1225.9	409.949	287.075	35.0	500.470	43.3	39.826	0.465	1.320	70.6	1.400	26.3	−3.756	−0.534	8.1	3.794	BF exceeds limit	NG
1153510.3	15334300.4	1226.4	413.444	290.077	35.1	505.055	43.6	40.191	0.474	1.343	70.6	1.424	26.6	−3.816	−0.555	8.3	3.856	BF exceeds limit	NG
1153514.6	15334297.8	1226.6	412.799	289.523	35.0	504.209	43.5	40.124	0.464	1.354	71.1	1.431	24.9	−3.845	−0.656	9.7	3.900	BF exceeds limit	NG
1153518.8	15334295.2	1226.8	411.855	288.711	35.0	502.969	43.5	40.025	0.455	1.363	71.5	1.437	23.3	−3.866	−0.757	11.1	3.939	BF exceeds limit	NG
1153523.1	15334292.5	1227.2	413.366	290.010	35.1	504.952	43.6	40.183	0.459	1.377	71.6	1.452	23.1	−3.895	−0.800	11.6	3.977	BF exceeds limit	NG
1153527.3	15334289.9	1227.8	419.012	294.885	35.1	512.375	44.0	40.774	0.482	1.401	71.0	1.481	25.1	−3.944	−0.746	10.7	4.014	BF exceeds limit	NG
1153531.6	15334287.3	1228.3	423.262	298.576	35.2	517.975	44.4	41.219	0.501	1.419	70.6	1.505	26.5	−3.977	−0.712	10.2	4.040	BF exceeds limit	NG
1153535.8	15334284.7	1228.6	424.136	299.337	35.2	519.128	44.4	41.311	0.506	1.427	70.5	1.514	26.6	−3.981	−0.739	10.5	4.049	BF exceeds limit	NG
1153540.1	15334282.0	1229.1	426.369	301.285	35.2	522.076	44.6	41.545	0.519	1.436	70.1	1.527	27.6	−3.986	−0.724	10.3	4.052	BF exceeds limit	NG
1153544.4	15334279.4	1229.5	428.809	303.420	35.3	525.301	44.8	41.802	0.535	1.444	69.7	1.540	29.0	−3.987	−0.692	9.9	4.046	BF exceeds limit	NG
1153548.6	15334276.8	1229.8	427.506	302.278	35.3	523.578	44.7	41.665	0.536	1.439	69.6	1.535	29.0	−3.956	−0.728	10.4	4.023	BF exceeds limit	NG
1153552.9	15334274.2	1230.1	426.451	301.355	35.2	522.183	44.6	41.554	0.539	1.433	69.4	1.531	29.4	−3.921	−0.747	10.8	3.991	BF exceeds limit	NG
1153557.1	15334271.5	1230.2	422.770	298.145	35.2	517.325	44.3	41.167	0.533	1.420	69.4	1.516	28.9	−3.862	−0.811	11.9	3.946	BF exceeds limit	NG
1153561.4	15334268.9	1230.3	417.781	293.817	35.1	510.754	43.9	40.645	0.522	1.402	69.6	1.496	28.0	−3.789	−0.893	13.3	3.893	BF exceeds limit	NG
1153565.6	15334266.3	1230.7	417.643	293.697	35.1	510.572	43.9	40.630	0.535	1.396	69.0	1.495	29.6	−3.745	−0.856	12.9	3.842	BF exceeds limit	NG
1153569.9	15334263.7	1231.2	420.007	295.745	35.2	513.684	44.1	40.878	0.562	1.393	68.0	1.502	32.7	−3.716	−0.751	11.4	3.791	BF exceeds limit	NG
1153574.1	15334261.0	1231.6	420.974	296.583	35.2	514.957	44.2	40.979	0.584	1.384	67.1	1.502	35.4	−3.679	−0.659	10.2	3.737	BF exceeds limit	NG
1153578.4	15334258.4	1232.0	419.978	295.719	35.2	513.645	44.1	40.875	0.598	1.366	66.4	1.491	37.6	−3.631	−0.589	9.2	3.679	BF exceeds limit	NG

1153582.6	15334255.8	1232.3	418.863	294.752	35.1	512.177	44.0	40.758	0.611	1.343	65.5	1.476	40.2	-3.587	-0.502	8.0	3.622	BF exceeds limit NG
1153586.9	15334253.1	1232.1	406.126	283.970	35.0	495.558	43.1	39.435	0.566	1.287	66.3	1.406	38.1	-3.475	-0.616	10.0	3.529	BF exceeds limit NG
1153591.2	15334250.5	1231.8	394.229	273.871	34.8	480.023	42.2	38.199	0.524	1.229	66.9	1.336	36.3	-3.372	-0.708	11.9	3.446	BF exceeds limit NG
1153595.4	15334247.9	1231.7	384.920	266.063	34.7	467.925	41.4	37.236	0.495	1.176	67.2	1.276	36.0	-3.292	-0.729	12.5	3.372	BF exceeds limit NG
1153599.7	15334245.3	1231.6	375.589	258.318	34.5	455.846	40.7	36.275	0.468	1.121	67.3	1.215	35.8	-3.215	-0.736	12.9	3.299	BF exceeds limit NG
1153603.9	15334242.6	1231.5	366.199	250.604	34.4	443.739	40.0	35.312	0.442	1.067	67.5	1.155	35.7	-3.141	-0.733	13.1	3.225	BF exceeds limit NG
1153608.2	15334240.0	1231.4	356.795	242.959	34.3	431.661	39.3	34.351	0.417	1.013	67.6	1.095	35.7	-3.066	-0.724	13.3	3.151	BF exceeds limit NG
1153612.4	15334237.4	1231.2	347.208	235.246	34.1	419.398	38.5	33.375	0.392	0.959	67.8	1.037	35.7	-2.991	-0.715	13.4	3.076	BF exceeds limit NG
1153616.7	15334234.8	1230.8	335.142	225.652	34.0	404.028	37.6	32.152	0.355	0.902	68.5	0.970	33.9	-2.903	-0.752	14.5	2.999	BF exceeds limit NG
1153620.9	15334232.1	1230.5	324.101	216.982	33.8	390.029	36.7	31.038	0.325	0.849	69.1	0.909	32.6	-2.819	-0.770	15.3	2.923	BF exceeds limit NG
1153625.2	15334229.5	1230.3	313.752	208.946	33.7	376.960	35.9	29.998	0.298	0.800	69.6	0.854	31.6	-2.739	-0.779	15.9	2.848	BF exceeds limit NG
1153629.4	15334226.9	1230.1	305.272	202.427	33.5	366.289	35.3	29.148	0.282	0.758	69.6	0.809	31.9	-2.667	-0.759	15.9	2.773	BF exceeds limit NG
1153633.7	15334224.2	1230.1	299.175	197.776	33.5	358.637	34.8	28.539	0.279	0.723	68.9	0.775	34.2	-2.604	-0.704	15.1	2.697	BF exceeds limit NG
1153637.9	15334221.6	1230.2	293.536	193.500	33.4	351.576	34.4	27.978	0.279	0.692	68.0	0.746	37.0	-2.541	-0.649	14.3	2.622	BF exceeds limit NG
1153642.2	15334219.0	1230.0	285.135	187.177	33.3	341.082	33.8	27.142	0.264	0.656	68.1	0.707	37.3	-2.465	-0.648	14.7	2.548	BF exceeds limit NG
1153646.5	15334216.4	1229.8	277.324	181.347	33.2	331.354	33.2	26.368	0.253	0.623	67.9	0.672	37.9	-2.391	-0.643	15.1	2.476	BF exceeds limit NG
1153650.7	15334213.7	1229.6	268.772	175.017	33.1	320.733	32.5	25.523	0.236	0.589	68.1	0.635	37.6	-2.316	-0.655	15.8	2.407	BF exceeds limit NG
1153655.0	15334211.1	1229.3	260.563	168.993	33.0	310.567	31.9	24.714	0.221	0.558	68.3	0.600	37.4	-2.243	-0.665	16.5	2.340	BF exceeds limit NG
1153659.2	15334208.5	1229.1	252.679	163.255	32.9	300.831	31.3	23.939	0.207	0.527	68.5	0.567	37.3	-2.174	-0.674	17.2	2.276	BF exceeds limit NG
1153663.5	15334205.9	1228.8	245.113	157.791	32.8	291.511	30.7	23.198	0.194	0.499	68.7	0.535	37.2	-2.109	-0.681	17.9	2.216	BF exceeds limit NG
1153667.7	15334203.2	1228.7	238.808	153.268	32.7	283.761	30.2	22.581	0.187	0.474	68.4	0.509	38.3	-2.051	-0.672	18.1	2.158	BF exceeds limit NG
1153672.0	15334200.6	1228.5	232.769	148.964	32.6	276.354	29.7	21.992	0.181	0.450	68.1	0.485	39.5	-1.996	-0.662	18.4	2.103	BF exceeds limit NG
1153676.2	15334198.0	1228.1	225.086	143.524	32.5	266.951	29.1	21.243	0.164	0.423	68.9	0.454	37.9	-1.938	-0.682	19.4	2.054	BF exceeds limit NG
1153680.5	15334195.3	1228.2	221.739	141.168	32.5	262.862	28.8	20.918	0.171	0.406	67.1	0.441	42.1	-1.896	-0.639	18.6	2.001	BF exceeds limit NG
1153684.7	15334192.7	1228.2	216.991	137.838	32.4	257.069	28.5	20.457	0.169	0.386	66.3	0.422	43.8	-1.853	-0.622	18.6	1.954	BF exceeds limit NG
1153689.0	15334190.1	1227.6	209.512	132.623	32.3	247.960	27.9	19.732	0.148	0.362	67.8	0.391	40.8	-1.804	-0.650	19.8	1.917	BF exceeds limit NG
1153693.3	15334187.5	1227.1	202.646	127.868	32.3	239.616	27.3	19.068	0.128	0.340	69.4	0.363	37.6	-1.759	-0.672	20.9	1.883	BF exceeds limit NG
1153697.5	15334184.8	1226.9	198.573	125.063	32.2	234.674	27.0	18.675	0.124	0.324	69.0	0.347	38.3	-1.723	-0.661	21.0	1.846	BF exceeds limit NG
1153701.8	15334182.2	1226.6	194.829	122.494	32.2	230.137	26.7	18.314	0.120	0.310	68.8	0.332	38.8	-1.691	-0.651	21.1	1.812	BF exceeds limit NG
1153706.0	15334179.6	1226.6	193.123	121.328	32.1	228.072	26.6	18.149	0.127	0.301	67.1	0.327	42.0	-1.664	-0.621	20.5	1.776	BF exceeds limit NG
1153710.3	15334177.0	1226.3	190.314	119.409	32.1	224.673	26.4	17.879	0.124	0.291	67.0	0.317	42.2	-1.638	-0.615	20.6	1.750	BF exceeds limit NG

Max EF along centerline is 1.540 (kV/m) at 450.000 (ft) from structure 127

Cross section results at max EF along centerline between structures 127 and 128


MAGNETIC FIELD VS. OFFSET RELATIVE TO LINE BETWEEN ST
450 (FT) AHEAD OF STRUCTURE 127
MAGNETIC FIELD (MG)
600
500
400
300
200
100
0
-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140
OFFSET (FT)



3D EMF Point Results Span from 127 to 128:

Measurement			B					H	EF					Space Potential				
X (ft)	Y (ft)	Z (ft)	Real (mG)	Imaginary (mG)	Angle (deg)	Magnitude (mG)	Polarization Axial Ratio %	Magnitude (A/m)	Real (kV/m)	Imaginary (kV/m)	Angle (deg)	Magnitude (kV/m)	Polarization Axial Ratio %	Real (kV)	Imaginary (kV)	Angle (deg)	Magnitude (kV)	
1153617.9	15334398.5	1219.4	28.466	13.387	25.2	31.456	2.4	2.503	0.117	0.022	10.7	0.119	1.5	-0.411	-0.138	18.5	0.434	
1153615.3	15334394.3	1219.4	30.494	14.243	25.0	33.657	2.5	2.678	0.130	0.025	10.9	0.132	1.4	-0.455	-0.149	18.1	0.479	
1153612.7	15334390.0	1240.6	35.581	16.195	24.5	39.093	1.3	3.111	0.142	0.027	10.8	0.144	0.3	0.424	0.016	2.2	0.424	
1153610.0	15334385.8	1240.3	38.527	17.366	24.3	42.260	1.4	3.363	0.159	0.031	10.9	0.161	0.3	0.461	0.024	2.9	0.462	
1153607.4	15334381.5	1240.1	41.855	18.669	24.0	45.830	1.6	3.647	0.178	0.035	11.1	0.181	0.3	0.504	0.032	3.7	0.505	
1153604.8	15334377.3	1240.0	45.666	20.134	23.8	49.908	1.7	3.972	0.200	0.040	11.2	0.204	0.3	0.565	0.045	4.5	0.567	
1153602.1	15334373.0	1239.6	49.959	21.759	23.5	54.491	1.9	4.336	0.227	0.045	11.3	0.232	0.3	0.614	0.055	5.1	0.616	
1153599.5	15334368.8	1239.2	54.889	23.589	23.3	59.743	2.2	4.754	0.259	0.052	11.4	0.264	0.3	0.672	0.068	5.7	0.676	
1153596.9	15334364.5	1238.9	60.582	25.660	23.0	65.792	2.4	5.236	0.297	0.060	11.4	0.303	0.4	0.742	0.083	6.4	0.747	
1153594.3	15334360.2	1238.7	67.239	28.024	22.6	72.845	2.7	5.797	0.342	0.069	11.4	0.349	0.4	0.835	0.103	7.0	0.841	
1153591.6	15334356.0	1238.6	75.115	30.749	22.3	81.166	3.0	6.459	0.397	0.080	11.4	0.405	0.4	0.964	0.130	7.7	0.973	
1153589.0	15334351.7	1238.4	84.365	33.868	21.9	90.909	3.4	7.234	0.464	0.093	11.4	0.473	0.4	1.103	0.160	8.3	1.115	
1153586.4	15334347.5	1238.3	95.453	37.494	21.4	102.552	3.8	8.161	0.546	0.109	11.3	0.556	0.4	1.284	0.199	8.8	1.299	
1153583.8	15334343.2	1237.7	108.406	41.630	21.0	116.125	4.4	9.241	0.648	0.128	11.2	0.661	0.4	1.429	0.232	9.2	1.448	
1153581.1	15334339.0	1237.3	124.137	46.493	20.5	132.558	5.1	10.549	0.775	0.151	11.0	0.790	0.5	1.621	0.275	9.6	1.644	
1153578.5	15334334.7	1236.9	143.359	52.245	20.0	152.582	5.9	12.142	0.935	0.180	10.9	0.952	0.6	1.860	0.329	10.0	1.889	
1153575.9	15334330.5	1236.4	166.441	58.988	19.5	176.585	6.9	14.052	1.134	0.215	10.7	1.154	0.8	2.082	0.383	10.4	2.117	
1153573.3	**15334326.2**	**1235.8**	**194.563**	**67.026**	**19.0**	**205.784**	**8.1**	**16.376**	**1.381**	**0.259**	**10.6**	**1.405**	**1.1**	**2.320**	**0.447**	**10.9**	**2.363**	**BF exceeds limit NG**
1153570.6	**15334322.0**	**1235.4**	**229.387**	**76.793**	**18.5**	**241.900**	**9.6**	**19.250**	**1.682**	**0.314**	**10.6**	**1.711**	**1.5**	**2.625**	**0.536**	**11.5**	**2.679**	**BF and EF exceed limits NG**
1153568.0	**15334317.7**	**1235.0**	**271.073**	**88.585**	**18.1**	**285.180**	**11.4**	**22.694**	**2.037**	**0.384**	**10.7**	**2.073**	**2.2**	**2.892**	**0.640**	**12.5**	**2.962**	**BF and EF exceed limits NG**
1153565.4	**15334313.4**	**1234.1**	**315.224**	**102.258**	**18.0**	**331.396**	**13.8**	**26.372**	**2.416**	**0.477**	**11.2**	**2.462**	**3.0**	**2.785**	**0.710**	**14.3**	**2.874**	**BF and EF exceed limits NG**
1153562.7	**15334309.2**	**1233.7**	**367.105**	**119.548**	**18.0**	**386.080**	**16.6**	**30.723**	**2.775**	**0.598**	**12.2**	**2.838**	**4.2**	**2.745**	**0.851**	**17.2**	**2.874**	**BF and EF exceed limits NG**

1153560.1	15334304.9	1233.2	418.807	140.617	18.6	441.783	20.1	35.156	3.016	0.757	14.1	3.109	6.1	2.411	1.014	22.8	2.616	BF and EF exceed limits NG
1153557.5	15334300.7	1232.8	462.669	165.976	19.7	491.539	24.4	39.115	3.021	0.959	17.6	3.170	9.0	1.674	1.182	35.2	2.049	BF and EF exceed limits NG
1153554.9	15334296.4	1232.1	483.984	193.828	21.8	521.354	29.5	41.488	2.697	1.192	23.9	2.949	12.5	0.314	1.206	75.4	1.246	BF and EF exceed limits NG
1153552.2	15334292.2	1231.3	486.716	223.796	24.7	535.703	35.0	42.630	2.083	1.421	34.3	2.522	16.6	-1.172	1.062	-42.2	1.582	BF and EF exceed limits NG
1153549.6	15334287.9	1230.7	476.442	254.586	28.1	540.195	40.3	42.987	1.307	1.587	50.5	2.056	21.0	-2.450	0.726	-16.5	2.555	BF and EF exceed limits NG
1153547.0	15334283.7	1230.1	456.317	282.817	31.8	536.853	44.0	42.721	0.578	1.616	70.3	1.716	24.6	-3.402	0.145	-2.4	3.405	BF and EF exceed limits NG
1153544.4	15334279.4	1229.5	428.809	303.420	35.3	525.301	44.8	41.802	0.535	1.444	69.7	1.540	29.0	-3.987	-0.692	9.9	4.046	BF exceeds limit NG
1153541.7	15334275.2	1228.6	393.243	307.983	38.1	499.493	42.0	39.748	1.014	1.052	46.0	1.461	32.8	-4.127	-1.742	22.9	4.480	BF exceeds limit NG
1153539.1	15334270.9	1227.9	360.730	303.643	40.1	471.513	37.7	37.522	1.413	0.558	21.6	1.520	29.8	-3.978	-2.607	33.2	4.756	BF exceeds limit NG
1153536.5	15334266.7	1227.2	328.429	288.603	41.3	437.215	32.8	34.792	1.666	0.395	13.3	1.712	17.6	-3.611	-3.174	41.3	4.807	BF and EF exceed limits NG
1153533.8	15334262.4	1226.6	298.012	267.827	41.9	400.678	28.2	31.885	1.784	0.806	24.3	1.958	8.1	-3.196	-3.393	46.7	4.661	BF and EF exceed limits NG
1153531.2	15334258.1	1226.0	266.908	241.094	42.1	359.675	24.2	28.622	1.787	1.171	33.2	2.136	2.7	-2.698	-3.279	50.5	4.246	BF and EF exceed limits NG
1153528.6	15334253.9	1225.3	235.456	211.136	41.9	316.257	20.8	25.167	1.701	1.376	39.0	2.188	1.5	-2.125	-2.874	53.5	3.575	BF and EF exceed limits NG
1153526.0	15334249.6	1224.3	204.859	180.889	41.4	273.291	18.0	21.748	1.557	1.432	42.6	2.116	2.5	-1.498	-2.256	56.4	2.708	BF and EF exceed limits NG
1153523.3	15334245.4	1223.6	178.280	154.772	41.0	236.089	15.7	18.787	1.386	1.381	44.9	1.956	2.9	-1.012	-1.676	58.9	1.958	BF and EF exceed limits NG
1153520.7	15334241.1	1222.8	155.345	132.501	40.5	204.178	13.7	16.248	1.208	1.267	46.4	1.751	2.9	-0.644	-1.182	61.4	1.346	BF and EF exceed limits NG
1153518.1	15334236.9	1222.3	136.309	114.368	40.0	177.933	12.1	14.159	1.040	1.126	47.3	1.532	2.7	-0.436	-0.858	63.1	0.963	
1153515.5	15334232.6	1221.9	120.121	99.190	39.5	155.781	10.7	12.397	0.889	0.981	47.8	1.324	2.5	-0.305	-0.632	64.3	0.702	
1153512.8	15334228.4	1221.5	106.204	86.335	39.1	136.869	9.6	10.892	0.757	0.846	48.2	1.135	2.2	-0.207	-0.458	65.7	0.503	
1153510.2	15334224.1	1221.0	94.040	75.253	38.7	120.443	8.6	9.585	0.646	0.726	48.4	0.972	2.0	-0.101	-0.288	70.6	0.305	
1153507.6	15334219.9	1220.6	83.966	66.259	38.3	106.960	7.7	8.512	0.552	0.623	48.5	0.832	1.8	-0.067	-0.208	72.3	0.219	
1153504.9	15334215.6	1220.4	75.353	58.690	37.9	95.512	7.0	7.601	0.473	0.536	48.6	0.715	1.7	-0.051	-0.160	72.3	0.168	
1153502.3	15334211.3	1220.1	67.861	52.196	37.6	85.613	6.3	6.813	0.407	0.462	48.6	0.616	1.5	-0.032	-0.113	74.4	0.118	
1153499.7	15334207.1	1219.7	61.343	46.625	37.2	77.051	5.8	6.132	0.353	0.400	48.6	0.533	1.4	-0.012	-0.072	80.5	0.073	
1153497.1	15334202.8	1219.3	55.678	41.851	36.9	69.653	5.3	5.543	0.307	0.348	48.6	0.464	1.2	0.003	-0.039	-85.3	0.040	
1153494.4	15334198.6	1218.8	50.700	37.708	36.6	63.185	4.8	5.028	0.268	0.304	48.6	0.406	1.1	0.022	-0.006	-15.6	0.023	
1153491.8	15334194.3	1218.3	46.332	34.119	36.4	57.539	4.5	4.579	0.235	0.268	48.7	0.356	1.0	0.039	0.022	30.2	0.045	
1153489.2	15334190.1	1217.8	42.496	31.006	36.1	52.605	4.2	4.186	0.208	0.236	48.7	0.314	0.9	0.051	0.044	40.9	0.068	
1153486.6	15334185.8	1217.4	39.146	28.321	35.9	48.316	3.9	3.845	0.184	0.210	48.7	0.279	0.9	0.053	0.052	44.8	0.074	
1153483.9	15334181.6	1217.5	36.266	26.042	35.7	44.647	3.6	3.553	0.164	0.187	48.8	0.249	0.8	0.031	0.033	46.4	0.045	
1153481.3	15334177.3	1217.5	33.682	24.016	35.5	41.368	3.3	3.292	0.146	0.167	48.8	0.222	0.7	0.014	0.017	50.6	0.022	
1153478.7	15334173.1	1217.1	31.274	22.140	35.3	38.318	3.1	3.049	0.131	0.150	48.9	0.200	0.6	0.021	0.028	53.4	0.035	
1153476.1	15334168.8	1216.4	29.089	20.451	35.1	35.559	2.9	2.830	0.118	0.136	48.9	0.180	0.6	0.033	0.045	53.6	0.056	
1153473.4	15334164.5	1216.2	27.179	18.992	34.9	33.157	2.7	2.639	0.107	0.123	49.0	0.163	0.5	0.029	0.042	55.6	0.051	
1153470.8	15334160.3	1216.1	25.471	17.698	34.8	31.016	2.5	2.468	0.097	0.112	49.1	0.148	0.5	0.019	0.033	59.6	0.038	

Critical Energy/Electric Infrastructure Information (CEII) Has Been Redacted From This Document

PLS-CADD Version 20.01x64 10:31:03 AM Thursday, February 27, 2025
Quanta Services - Dashiell
Project Name: 'C:\projects\L72\5269-T0072-700 REV 0-0G PLS CADD MODEL.don'
Line Title: 'L72 New Analyses per Comments - TOWERS ACCR BITTERN'

3D EMF Calculation Notes:
1) Calculations based on the EPRI Red Book methods (3rd Edition, 2005 - 7.4 Calculation of Magnetic Fields and Appendices 7.1 Calculation of Field Ellipse Parameters and 7.6 Electric Field Calculations for 3D Geometry).
2) All wire positions are modeled at the specified weather case and wind direction. Height above ground determined by the modeled ground TIN.
3) Only the effects of wires are being analyzed. The effects of structures are not included unless enabled as noted below.
4) Ground return is being ignored for magnetic field calculations.

Meter height above ground:	3.28 (ft)
Maximum wire distance:	500.00 (ft)
Maximum cable segment size:	5.00 (ft)
Cross section offset +/-:	140.00 (ft)
Result interval:	5.00 (ft)
Electric field limit:	1.60 (kV/m)
Magnetic field limit:	200.00 (mG)
Space potential limit:	0.00 (kV)
Contour Map Spacing:	15 (ft)
Analyzing spans between these structures:	67 - 68

Section Data for 3D EMF Results:

Section Number	Section Note	Voltage Ph-Ph (kV)	Current (Amps)	Cable Filename	Cable Description	Conductors Per Phase	Bundle Diameter (in)	Cable Radius (in)	Weather Case	Condition	Wind Dir.	WC Temperature (deg F)	Effective Radius (in)
12		0.0	0.0	7no_7_alumoweld - 4550.wir	7#7 Alumoweld 7 Strands Alumoweld - Adapted from 1970's Publicly Available Data	1	0.000	0.216	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.216
21		0.0	0.0	7no_7_alumoweld - 4950.wir	7#7 Alumoweld 7 Strands Alumoweld - Adapted from 1970's Publicly Available Data	1	0.000	0.216	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.216
49		0.0	0.0	TF-DNO-11467 - 5400.wir	AFL OPGW DNO-11467 S4-53/61/583	1	0.000	0.291	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.291
62		0.0	0.0	TF-DNO-11467 - 5700.wir	AFL OPGW DNO-11467 S4-53/61/583	1	0.000	0.291	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.291
81		230.0	[redacted]	bluebird_acsr - 14000.wir	2156 kcmil 84/19 Strands BLUEBIRD ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.881	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.881
82		230.0	[redacted]	bluebird_acsr - 14000.wir	2156 kcmil 84/19 Strands BLUEBIRD ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.881	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.881

Centerline results between structures 67 and 68

3D EMF Point Results Centerline from 67 to 68:

Measurement X (ft)	Measurement Y (ft)	Measurement Z (ft)	B Real (mG)	B Imaginary (mG)	B Angle (deg)	B Magnitude (mG)	B Polarization Axial Ratio %	H Magnitude (A/m)	EF Real (kV/m)	EF Imaginary (kV/m)	EF Angle (deg)	EF Magnitude (kV/m)	EF Polarization Axial Ratio %	Space Potential Real (kV)	Space Potential Imaginary (kV)	Space Potential Angle (deg)	Space Potential Magnitude (kV)
1106126.3	15341558.8	1132.2	59.051	35.035	30.7	68.662	14.6	5.464	0.024	0.019	38.1	0.030	13.0	-0.276	-0.078	15.8	0.287
1106131.2	15341557.7	1132.2	60.285	35.794	30.7	70.110	14.8	5.579	0.024	0.020	39.1	0.032	18.0	-0.277	-0.079	15.9	0.288
1106136.0	15341556.5	1132.2	61.653	36.636	30.7	71.717	15.0	5.707	0.025	0.021	40.2	0.033	23.0	-0.278	-0.079	15.9	0.289
1106140.9	15341555.4	1132.2	63.114	37.536	30.7	73.433	15.2	5.844	0.026	0.023	41.5	0.035	28.2	-0.280	-0.080	16.0	0.292
1106145.7	15341554.2	1132.2	64.776	38.561	30.8	75.385	15.5	5.999	0.027	0.025	42.6	0.037	33.0	-0.283	-0.082	16.0	0.295
1106150.6	15341553.1	1132.2	66.549	39.655	30.8	77.468	15.7	6.165	0.028	0.027	43.7	0.039	37.6	-0.287	-0.083	16.1	0.299
1106155.5	15341551.9	1132.2	68.434	40.819	30.8	79.683	16.0	6.341	0.030	0.030	44.9	0.042	41.9	-0.291	-0.085	16.2	0.303
1106160.3	15341550.7	1132.2	70.420	42.045	30.8	82.017	16.2	6.527	0.031	0.032	46.0	0.045	45.9	-0.296	-0.087	16.3	0.309
1106165.2	15341549.6	1132.2	72.512	43.337	30.9	84.475	16.5	6.722	0.033	0.035	47.1	0.048	49.6	-0.302	-0.089	16.5	0.314
1106170.1	15341548.4	1132.3	74.689	44.681	30.9	87.033	16.7	6.926	0.034	0.038	48.1	0.052	52.8	-0.307	-0.092	16.6	0.321
1106174.9	15341547.3	1132.3	76.941	46.073	30.9	89.681	16.9	7.137	0.036	0.042	49.0	0.055	55.8	-0.314	-0.095	16.8	0.328
1106179.8	15341546.1	1132.3	79.270	47.512	30.9	92.418	17.2	7.354	0.038	0.045	50.0	0.059	58.3	-0.321	-0.098	17.0	0.335
1106184.7	15341545.0	1132.3	81.667	48.994	31.0	95.236	17.4	7.579	0.040	0.049	50.8	0.063	60.5	-0.328	-0.102	17.2	0.343
1106189.5	15341543.8	1132.4	84.122	50.513	31.0	98.123	17.6	7.808	0.041	0.052	51.7	0.067	62.4	-0.336	-0.105	17.5	0.352
1106194.4	15341542.6	1132.4	86.667	52.090	31.0	101.117	17.8	8.047	0.044	0.057	52.4	0.071	63.9	-0.343	-0.109	17.7	0.360
1106199.3	15341541.5	1132.5	89.315	53.733	31.0	104.232	18.0	8.295	0.046	0.061	52.9	0.076	65.1	-0.352	-0.113	17.8	0.370
1106204.1	15341540.3	1132.5	92.022	55.415	31.1	107.419	18.3	8.548	0.049	0.065	53.4	0.082	66.1	-0.361	-0.117	18.0	0.379
1106209.0	15341539.2	1132.6	94.802	57.145	31.1	110.693	18.5	8.809	0.051	0.070	53.8	0.087	67.0	-0.370	-0.121	18.1	0.389
1106213.8	15341538.0	1132.7	97.754	58.988	31.1	114.173	18.7	9.086	0.055	0.076	53.9	0.094	67.8	-0.380	-0.123	18.0	0.399
1106218.7	15341536.8	1132.8	100.780	60.881	31.1	117.742	19.0	9.370	0.059	0.081	54.0	0.100	68.5	-0.390	-0.126	17.9	0.410
1106223.6	15341535.7	1132.9	103.882	62.826	31.2	121.402	19.2	9.661	0.063	0.087	54.1	0.108	69.2	-0.401	-0.129	17.8	0.421

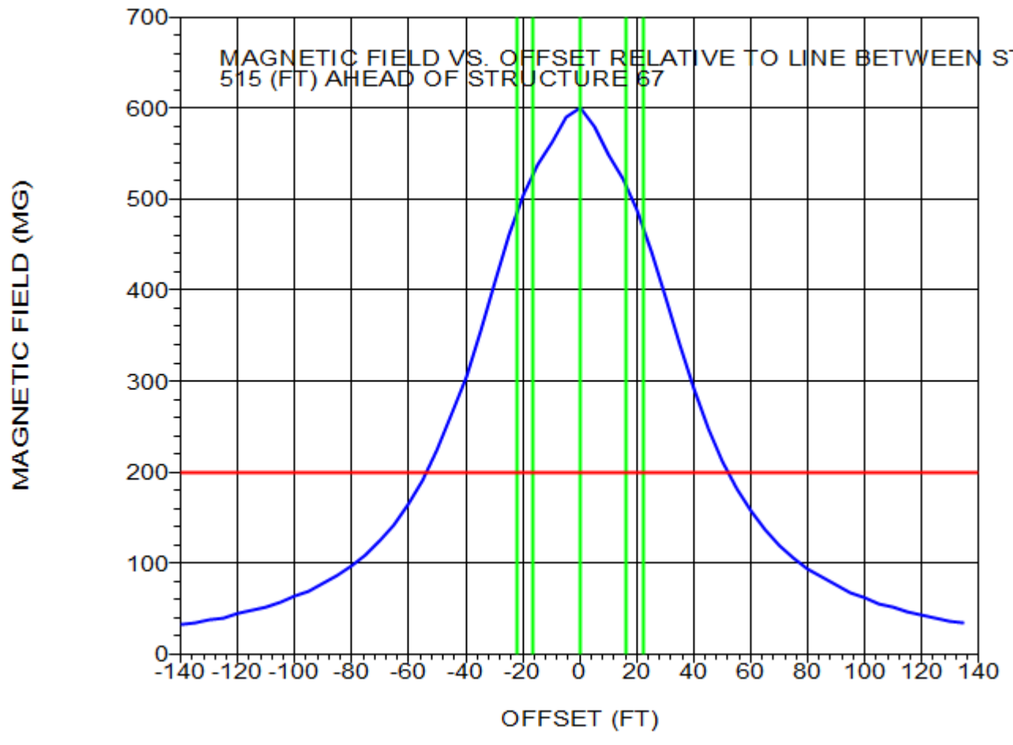
1106228.4	15341534.5	1133.0	107.062	64.825	31.2	125.158	19.5	9.960	0.067	0.093	54.2	0.115	69.7	-0.413	-0.131	17.5	0.434		
1106233.3	15341533.4	1133.1	110.323	66.882	31.2	129.013	19.8	10.267	0.072	0.100	54.2	0.123	70.1	-0.427	-0.132	17.2	0.447		
1106238.2	15341532.2	1133.2	113.571	68.935	31.3	132.855	20.0	10.572	0.076	0.106	54.5	0.130	70.0	-0.441	-0.135	17.0	0.461		
1106243.0	15341531.1	1133.3	116.731	70.938	31.3	136.596	20.3	10.870	0.079	0.113	55.1	0.138	69.3	-0.456	-0.138	16.9	0.476		
1106247.9	15341529.9	1133.3	120.047	73.046	31.3	140.524	20.5	11.183	0.082	0.120	55.5	0.145	68.5	-0.472	-0.141	16.6	0.493		
1106252.8	15341528.7	1133.3	123.341	75.146	31.4	144.430	20.8	11.493	0.086	0.127	56.0	0.153	67.3	-0.490	-0.144	16.4	0.511		
1106257.6	15341527.6	1133.4	126.710	77.301	31.4	148.428	21.1	11.812	0.089	0.135	56.6	0.161	65.9	-0.510	-0.147	16.1	0.530		
1106262.5	15341526.4	1133.4	130.155	79.511	31.4	152.521	21.4	12.137	0.092	0.143	57.2	0.170	64.4	-0.531	-0.150	15.8	0.552		
1106267.4	15341525.3	1133.4	133.697	81.792	31.5	156.732	21.6	12.472	0.095	0.151	57.8	0.179	62.8	-0.554	-0.153	15.5	0.575		
1106272.2	15341524.1	1133.5	137.506	84.253	31.5	161.265	22.0	12.833	0.100	0.160	58.1	0.189	62.0	-0.580	-0.154	14.9	0.600		
1106277.1	15341523.0	1133.6	141.530	86.862	31.5	166.060	22.3	13.215	0.105	0.170	58.3	0.200	61.5	-0.609	-0.153	14.1	0.628		
1106281.9	15341521.8	1133.7	145.666	89.555	31.6	170.993	22.6	13.607	0.111	0.181	58.5	0.212	61.0	-0.639	-0.151	13.3	0.657		
1106286.8	15341520.6	1133.8	149.918	92.333	31.6	176.070	23.0	14.011	0.117	0.191	58.6	0.224	60.6	-0.672	-0.149	12.5	0.688		
1106291.7	15341519.5	1133.9	154.288	95.200	31.7	181.295	23.3	14.427	0.123	0.203	58.8	0.237	60.2	-0.707	-0.145	11.6	0.721		
1106296.5	15341518.3	1134.0	158.647	98.072	31.7	186.512	23.7	14.842	0.128	0.214	59.1	0.250	59.6	-0.742	-0.142	10.8	0.756		
1106301.4	15341517.2	1134.0	162.796	100.815	31.8	191.485	24.0	15.238	0.132	0.225	59.6	0.261	58.1	-0.778	-0.141	10.3	0.791		
1106306.3	15341516.0	1134.0	167.042	103.634	31.8	196.578	24.3	15.643	0.136	0.237	60.2	0.273	56.7	-0.816	-0.140	9.7	0.828		
1106311.1	**15341514.8**	**1133.9**	**170.688**	**106.063**	**31.9**	**200.957**	**24.6**	**15.992**	**0.135**	**0.247**	**61.3**	**0.282**	**53.7**	**-0.851**	**-0.147**	**9.8**	**0.863**	**BF exceeds limit**	**NG**
1106316.0	**15341513.7**	**1133.8**	**174.437**	**108.568**	**31.9**	**205.464**	**24.9**	**16.350**	**0.135**	**0.259**	**62.4**	**0.292**	**50.8**	**-0.886**	**-0.154**	**9.8**	**0.899**	**BF exceeds limit**	**NG**
1106320.9	**15341512.5**	**1133.7**	**178.269**	**111.139**	**31.9**	**210.076**	**25.2**	**16.717**	**0.135**	**0.270**	**63.4**	**0.302**	**48.1**	**-0.921**	**-0.161**	**9.9**	**0.935**	**BF exceeds limit**	**NG**
1106325.7	**15341511.4**	**1133.6**	**182.154**	**113.755**	**32.0**	**214.756**	**25.6**	**17.090**	**0.135**	**0.283**	**64.4**	**0.313**	**45.4**	**-0.954**	**-0.170**	**10.1**	**0.969**	**BF exceeds limit**	**NG**
1106330.6	**15341510.2**	**1133.6**	**186.632**	**116.782**	**32.0**	**220.158**	**25.9**	**17.520**	**0.139**	**0.297**	**64.9**	**0.328**	**44.1**	**-0.988**	**-0.174**	**10.0**	**1.003**	**BF exceeds limit**	**NG**
1106335.4	**15341509.1**	**1133.7**	**191.779**	**120.279**	**32.1**	**226.376**	**26.3**	**18.014**	**0.147**	**0.313**	**64.8**	**0.346**	**44.2**	**-1.022**	**-0.171**	**9.5**	**1.036**	**BF exceeds limit**	**NG**
1106340.3	**15341507.9**	**1133.8**	**197.053**	**123.879**	**32.2**	**232.758**	**26.7**	**18.522**	**0.156**	**0.330**	**64.7**	**0.365**	**44.4**	**-1.054**	**-0.169**	**9.1**	**1.067**	**BF exceeds limit**	**NG**
1106345.2	**15341506.7**	**1133.9**	**202.458**	**127.588**	**32.2**	**239.307**	**27.2**	**19.043**	**0.166**	**0.348**	**64.5**	**0.386**	**44.6**	**-1.083**	**-0.167**	**8.8**	**1.095**	**BF exceeds limit**	**NG**
1106350.0	**15341505.6**	**1133.9**	**208.030**	**131.431**	**32.3**	**246.070**	**27.6**	**19.582**	**0.178**	**0.367**	**64.2**	**0.408**	**45.0**	**-1.109**	**-0.165**	**8.5**	**1.121**	**BF exceeds limit**	**NG**
1106354.9	**15341504.4**	**1134.0**	**213.669**	**135.341**	**32.4**	**252.926**	**28.0**	**20.127**	**0.190**	**0.387**	**63.9**	**0.431**	**45.4**	**-1.133**	**-0.163**	**8.2**	**1.144**	**BF exceeds limit**	**NG**
1106359.8	**15341503.3**	**1134.1**	**219.301**	**139.268**	**32.4**	**259.785**	**28.5**	**20.673**	**0.202**	**0.408**	**63.6**	**0.455**	**45.6**	**-1.153**	**-0.162**	**8.0**	**1.164**	**BF exceeds limit**	**NG**
1106364.6	**15341502.1**	**1134.1**	**225.053**	**143.300**	**32.5**	**266.803**	**28.9**	**21.231**	**0.216**	**0.429**	**63.3**	**0.480**	**46.0**	**-1.171**	**-0.159**	**7.7**	**1.182**	**BF exceeds limit**	**NG**
1106369.5	**15341501.0**	**1134.2**	**230.927**	**147.441**	**32.6**	**273.982**	**29.4**	**21.803**	**0.230**	**0.451**	**62.9**	**0.506**	**46.4**	**-1.187**	**-0.154**	**7.4**	**1.197**	**BF exceeds limit**	**NG**
1106374.4	**15341499.8**	**1134.2**	**236.922**	**151.693**	**32.6**	**281.324**	**29.8**	**22.387**	**0.246**	**0.472**	**62.5**	**0.532**	**46.9**	**-1.202**	**-0.146**	**6.9**	**1.211**	**BF exceeds limit**	**NG**
1106379.2	**15341498.6**	**1134.2**	**242.482**	**155.658**	**32.7**	**288.144**	**30.3**	**22.930**	**0.258**	**0.494**	**62.4**	**0.557**	**46.8**	**-1.213**	**-0.142**	**6.7**	**1.221**	**BF exceeds limit**	**NG**
1106384.1	**15341497.5**	**1134.2**	**247.899**	**159.541**	**32.8**	**294.801**	**30.7**	**23.459**	**0.271**	**0.514**	**62.2**	**0.581**	**46.4**	**-1.222**	**-0.138**	**6.4**	**1.230**	**BF exceeds limit**	**NG**
1106389.0	**15341496.3**	**1134.2**	**253.383**	**163.494**	**32.8**	**301.551**	**31.1**	**23.997**	**0.283**	**0.535**	**62.1**	**0.605**	**46.1**	**-1.232**	**-0.130**	**6.0**	**1.239**	**BF exceeds limit**	**NG**
1106393.8	**15341495.2**	**1134.2**	**258.931**	**167.515**	**32.9**	**308.394**	**31.5**	**24.541**	**0.296**	**0.555**	**61.9**	**0.629**	**45.9**	**-1.241**	**-0.118**	**5.4**	**1.247**	**BF exceeds limit**	**NG**
1106398.7	**15341494.0**	**1134.1**	**264.540**	**171.603**	**33.0**	**315.324**	**31.9**	**25.093**	**0.309**	**0.575**	**61.7**	**0.653**	**45.7**	**-1.252**	**-0.101**	**4.6**	**1.256**	**BF exceeds limit**	**NG**
1106403.5	**15341492.9**	**1134.1**	**270.188**	**175.742**	**33.0**	**322.315**	**32.4**	**25.649**	**0.322**	**0.595**	**61.6**	**0.677**	**45.6**	**-1.263**	**-0.081**	**3.7**	**1.265**	**BF exceeds limit**	**NG**
1106408.4	**15341491.7**	**1134.1**	**275.636**	**179.758**	**33.1**	**329.071**	**32.8**	**26.187**	**0.334**	**0.615**	**61.4**	**0.700**	**45.3**	**-1.273**	**-0.060**	**2.7**	**1.274**	**BF exceeds limit**	**NG**
1106413.3	**15341490.5**	**1134.0**	**280.918**	**183.672**	**33.2**	**335.634**	**33.2**	**26.709**	**0.345**	**0.633**	**61.4**	**0.721**	**44.7**	**-1.283**	**-0.041**	**1.8**	**1.283**	**BF exceeds limit**	**NG**
1106418.1	**15341489.4**	**1133.8**	**284.531**	**186.361**	**33.2**	**340.130**	**33.5**	**27.067**	**0.348**	**0.649**	**61.8**	**0.736**	**42.5**	**-1.281**	**-0.047**	**2.1**	**1.282**	**BF exceeds limit**	**NG**
1106423.0	**15341488.2**	**1133.6**	**288.104**	**189.030**	**33.3**	**344.581**	**33.7**	**27.421**	**0.350**	**0.664**	**62.2**	**0.751**	**40.1**	**-1.278**	**-0.054**	**2.4**	**1.279**	**BF exceeds limit**	**NG**
1106427.9	**15341487.1**	**1133.4**	**291.668**	**191.703**	**33.3**	**349.027**	**34.0**	**27.775**	**0.354**	**0.681**	**62.5**	**0.767**	**37.8**	**-1.274**	**-0.062**	**2.8**	**1.276**	**BF exceeds limit**	**NG**
1106432.7	**15341485.9**	**1133.2**	**295.588**	**194.653**	**33.4**	**353.923**	**34.3**	**28.164**	**0.359**	**0.699**	**62.8**	**0.786**	**35.8**	**-1.271**	**-0.068**	**3.1**	**1.273**	**BF exceeds limit**	**NG**
1106437.6	**15341484.7**	**1133.3**	**302.567**	**199.936**	**33.5**	**362.659**	**34.8**	**28.859**	**0.380**	**0.725**	**62.4**	**0.818**	**36.7**	**-1.290**	**-0.026**	**1.1**	**1.290**	**BF exceeds limit**	**NG**
1106442.5	**15341483.6**	**1133.3**	**309.495**	**205.218**	**33.5**	**371.351**	**35.4**	**29.551**	**0.399**	**0.752**	**62.0**	**0.852**	**37.2**	**-1.308**	**0.012**	**-0.5**	**1.308**	**BF exceeds limit**	**NG**
1106447.3	**15341482.4**	**1133.4**	**316.503**	**210.599**	**33.6**	**380.166**	**35.9**	**30.253**	**0.420**	**0.781**	**61.8**	**0.887**	**37.7**	**-1.328**	**0.048**	**-2.1**	**1.328**	**BF exceeds limit**	**NG**
1106452.2	**15341481.3**	**1133.5**	**323.852**	**216.285**	**33.7**	**389.435**	**36.4**	**30.990**	**0.441**	**0.812**	**61.5**	**0.924**	**38.2**	**-1.351**	**0.087**	**-3.7**	**1.354**	**BF exceeds limit**	**NG**
1106457.0	**15341480.1**	**1133.6**	**332.054**	**222.684**	**33.8**	**399.810**	**37.1**	**31.816**	**0.465**	**0.846**	**61.2**	**0.966**	**39.2**	**-1.384**	**0.138**	**-5.7**	**1.391**	**BF exceeds limit**	**NG**
1106461.9	**15341479.0**	**1133.7**	**339.941**	**228.889**	**34.0**	**409.817**	**37.7**	**32.612**	**0.488**	**0.880**	**61.0**	**1.006**	**39.8**	**-1.417**	**0.184**	**-7.4**	**1.429**	**BF exceeds limit**	**NG**
1106466.8	**15341477.8**	**1133.7**	**345.503**	**233.297**	**34.0**	**416.893**	**38.1**	**33.175**	**0.499**	**0.909**	**61.2**	**1.037**	**38.6**	**-1.433**	**0.189**	**-7.5**	**1.445**	**BF exceeds limit**	**NG**
1106471.6	**15341476.6**	**1133.7**	**351.819**	**238.334**	**34.1**	**424.946**	**38.6**	**33.816**	**0.514**	**0.940**	**61.3**	**1.071**	**38.1**	**-1.456**	**0.208**	**-8.1**	**1.471**	**BF exceeds limit**	**NG**
1106476.5	**15341475.5**	**1133.7**	**358.128**	**243.400**	**34.2**	**433.012**	**39.1**	**34.458**	**0.529**	**0.970**	**61.4**	**1.105**	**37.5**	**-1.479**	**0.229**	**-8.8**	**1.497**	**BF exceeds limit**	**NG**
1106481.4	**15341474.3**	**1133.7**	**364.423**	**248.489**	**34.3**	**441.079**	**39.5**	**35.100**	**0.545**	**1.001**	**61.4**	**1.140**	**37.0**	**-1.501**	**0.252**	**-9.5**	**1.522**	**BF exceeds limit**	**NG**
1106486.2	**15341473.2**	**1133.7**	**370.696**	**253.597**	**34.4**	**449.140**	**40.0**	**35.741**	**0.561**	**1.031**	**61.5**	**1.174**	**36.5**	**-1.521**	**0.277**	**-10.3**	**1.546**	**BF exceeds limit**	**NG**
1106491.1	**15341472.0**	**1133.7**	**376.941**	**258.716**	**34.5**	**457.185**	**40.5**	**36.382**	**0.577**	**1.062**	**61.5**	**1.209**	**36.1**	**-1.538**	**0.304**	**-11.2**	**1.568**	**BF exceeds limit**	**NG**
1106496.0	**15341470.9**	**1133.7**	**383.148**	**263.839**	**34.6**	**465.203**	**41.0**	**37.020**	**0.595**	**1.092**	**61.4**	**1.243**	**35.7**	**-1.552**	**0.333**	**-12.1**	**1.587**	**BF exceeds limit**	**NG**
1106500.8	**15341469.7**	**1133.7**	**389.204**	**268.872**	**34.6**	**473.045**	**41.4**	**37.644**	**0.612**	**1.122**	**61.4**	**1.278**	**35.2**	**-1.560**	**0.361**	**-13.0**	**1.602**	**BF exceeds limit**	**NG**
1106505.7	**15341468.5**	**1133.6**	**395.145**	**273.842**	**34.7**	**480.758**	**41.9**	**38.258**	**0.630**	**1.151**	**61.3**	**1.312**	**34.7**	**-1.564**	**0.390**	**-14.0**	**1.611**	**BF exceeds limit**	**NG**
1106510.6	**15341467.4**	**1133.6**	**401.018**	**278.788**	**34.8**	**488.404**	**42.4**	**38.866**	**0.649**	**1.181**	**61.2**	**1.348**	**34.2**	**-1.561**	**0.419**	**-15.0**	**1.616**	**BF exceeds limit**	**NG**
1106515.4	**15341466.2**	**1133.6**	**406.909**	**283.781**	**34.9**	**496.091**	**42.8**	**39.478**	**0.669**	**1.212**	**61.1**	**1.384**	**33.7**	**-1.554**	**0.449**	**-16.1**	**1.617**	**BF exceeds limit**	**NG**
1106520.3	**15341465.1**	**1133.7**	**413.669**	**289.552**	**35.0**	**504.938**	**43.3**	**40.182**	**0.695**	**1.245**	**60.8**	**1.426**	**33.8**	**-1.550**	**0.497**	**-17.8**	**1.627**	**BF exceeds limit**	**NG**
1106525.1	**15341463.9**	**1133.8**	**421.139**	**295.980**	**35.1**	**514.745**	**43.9**	**40.962**	**0.725**	**1.281**	**60.5**	**1.472**	**34.2**	**-1.547**	**0.560**	**-19.9**	**1.646**	**BF exceeds limit**	**NG**
1106530.0	**15341462.7**	**1133.8**	**428.582**	**302.439**	**35.2**	**524.549**	**44.5**	**41.742**	**0.757**	**1.317**	**60.1**	**1.520**	**34.8**	**-1.542**	**0.626**	**-22.1**	**1.664**	**BF exceeds limit**	**NG**
1106534.9	**15341461.6**	**1133.9**	**436.284**	**309.181**	**35.3**	**534.730**	**45.1**	**42.552**	**0.792**	**1.354**	**59.7**	**1.568**	**35.6**	**-1.538**	**0.702**	**-24.5**	**1.690**	**BF exceeds limit**	**NG**
1106539.7	**15341460.4**	**1134.1**	**444.302**	**316.262**	**35.4**	**545.368**	**45.8**	**43.399**	**0.828**	**1.390**	**59.2**	**1.618**	**36.7**	**-1.537**	**0.790**	**-27.2**	**1.729**	**BF and EF exceed limits**	**NG**
1106544.6	**15341459.3**	**1134.1**	**450.150**	**321.472**	**35.5**	**553.154**	**46.2**	**44.019**	**0.856**	**1.419**	**58.9**	**1.657**	**37.0**	**-1.518**	**0.844**	**-29.1**	**1.737**	**BF and EF exceed limits**	**NG**
1106549.5	**15341458.1**	**1134.0**	**455.192**	**325.791**	**35.6**	**559.767**	**46.5**	**44.545**	**0.877**	**1.441**	**58.7**	**1.687**	**37.0**	**-1.491**	**0.881**	**-30.6**	**1.732**	**BF and EF exceed limits**	**NG**
1106554.3	**15341457.0**	**1133.9**	**458.649**	**328.902**	**35.6**	**564.389**	**46.8**	**44.913**	**0.893**	**1.458**	**58.5**	**1.710**	**36.8**	**-1.458**	**0.908**	**-31.9**	**1.718**	**BF and EF exceed limits**	**NG**
1106559.2	**15341455.8**	**1133.8**	**460.181**	**330.286**	**35.7**	**566.441**	**46.9**	**45.076**	**0.901**	**1.468**	**58.5**	**1.722**	**36.0**	**-1.413**	**0.906**	**-32.7**	**1.678**	**BF and EF exceed limits**	**NG**
1106564.1	**15341454.6**	**1133.6**	**461.495**	**331.476**	**35.7**	**568.203**	**47.1**	**45.216**	**0.906**	**1.474**	**58.4**	**1.731**	**35.5**	**-1.373**	**0.908**	**-33.5**	**1.646**	**BF and EF exceed limits**	**NG**
1106568.9	**15341453.5**	**1133.4**	**462.287**	**332.196**	**35.7**	**569.266**	**47.1**	**45.301**	**0.909**	**1.478**	**58.4**	**1.735**	**34.8**	**-1.336**	**0.906**	**-34.1**	**1.614**	**BF and EF exceed limits**	**NG**
1106573.8	**15341452.3**	**1133.1**	**460.022**	**330.153**	**35.7**	**566.234**	**46.9**	**45.059**	**0.898**	**1.473**	**58.6**	**1.725**	**33.1**	**-1.273**	**0.846**	**-33.6**	**1.529**	**BF and EF exceed limits**	**NG**
1106578.7	**15341451.2**	**1133.1**	**462.840**	**332.705**	**35.7**	**570.011**	**47.2**	**45.360**	**0.908**	**1.481**	**58.5**	**1.737**	**33.6**	**-1.274**	**0.891**	**-35.0**	**1.555**	**BF and EF exceed limits**	**NG**
1106583.5	**15341450.0**	**1133.0**	**465.454**	**335.080**	**35.8**	**573.520**	**47.4**	**45.639**	**0.918**	**1.488**	**58.3**	**1.748**	**34.1**	**-1.279**	**0.932**	**-36.1**	**1.583**	**BF and EF exceed limits**	**NG**

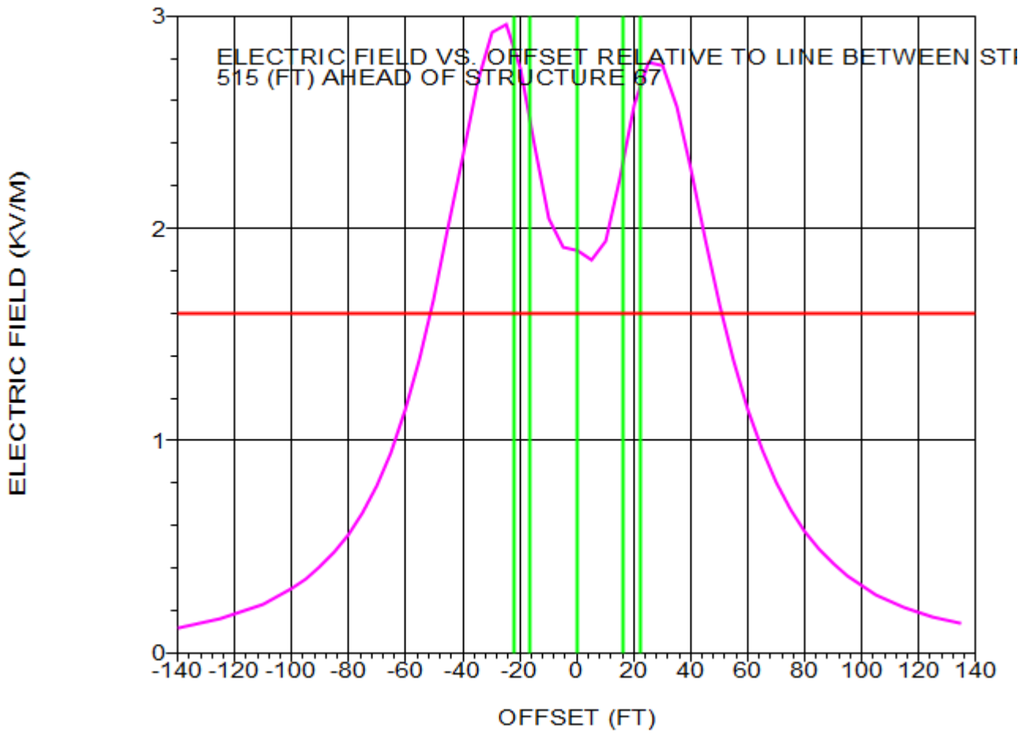
1106588.4	15341448.9	1132.8	464.197	333.943	35.7	571.836	47.3	45.505	0.910	1.487	58.5	1.743	33.1	-1.246	0.892	-35.6	1.533	BF and EF exceed limits NG
1106593.2	15341447.7	1132.4	459.504	329.703	35.7	565.551	46.9	45.005	0.890	1.478	59.0	1.725	30.7	-1.179	0.776	-33.3	1.412	BF and EF exceed limits NG
1106598.1	15341446.5	1132.3	461.319	331.347	35.7	567.984	47.1	45.199	0.897	1.489	58.9	1.738	31.1	-1.186	0.786	-33.6	1.423	BF and EF exceed limits NG
1106603.0	15341445.4	1132.4	465.244	334.907	35.7	573.250	47.4	45.618	0.914	1.507	58.8	1.762	32.4	-1.216	0.834	-34.4	1.475	BF and EF exceed limits NG
1106607.8	15341444.2	1132.4	468.984	338.315	35.8	578.276	47.7	46.018	0.931	1.526	58.6	1.788	33.6	-1.246	0.874	-35.0	1.521	BF and EF exceed limits NG
1106612.7	15341443.1	1132.5	473.203	342.378	35.9	584.075	48.1	46.479	0.954	1.549	58.4	1.820	35.2	-1.283	0.923	-35.7	1.580	BF and EF exceed limits NG
1106617.6	15341441.9	1132.1	467.049	336.754	35.8	575.794	47.6	45.820	0.931	1.542	58.9	1.801	32.7	-1.208	0.762	-32.2	1.428	BF and EF exceed limits NG
1106622.4	15341440.7	1132.4	475.574	344.556	35.9	587.273	48.3	46.734	0.970	1.570	58.3	1.845	36.0	-1.302	0.914	-35.1	1.591	BF and EF exceed limits NG
1106627.3	15341439.6	1132.7	485.310	353.563	36.1	600.443	49.1	47.782	1.015	1.599	57.6	1.894	39.8	-1.416	1.103	-37.9	1.795	BF and EF exceed limits NG
1106632.2	15341438.4	1132.3	478.288	347.056	36.0	590.937	48.5	47.025	0.982	1.577	58.1	1.858	37.7	-1.356	0.960	-35.3	1.662	BF and EF exceed limits NG
1106637.0	15341437.3	1131.8	467.926	337.551	35.8	576.971	47.7	45.914	0.935	1.543	58.8	1.804	34.4	-1.270	0.762	-31.0	1.481	BF and EF exceed limits NG
1106641.9	15341436.1	1131.7	468.173	337.776	35.8	577.303	47.7	45.940	0.932	1.534	58.7	1.795	35.4	-1.312	0.800	-31.4	1.536	BF and EF exceed limits NG
1106646.7	15341435.0	1131.7	468.327	337.917	35.8	577.510	47.7	45.957	0.928	1.522	58.6	1.783	36.5	-1.360	0.849	-32.0	1.603	BF and EF exceed limits NG
1106651.6	15341433.8	1131.6	467.040	336.744	35.8	575.780	47.6	45.819	0.918	1.505	58.6	1.763	37.3	-1.400	0.879	-32.1	1.653	BF and EF exceed limits NG
1106656.5	15341432.6	1131.2	458.950	329.411	35.7	564.931	47.0	44.956	0.878	1.467	59.1	1.710	35.5	-1.371	0.780	-29.6	1.577	BF and EF exceed limits NG
1106661.3	15341431.5	1130.7	449.210	320.673	35.5	551.925	46.2	43.921	0.832	1.425	59.7	1.650	32.9	-1.327	0.655	-26.3	1.480	BF and EF exceed limits NG
1106666.2	15341430.3	1130.5	444.388	316.384	35.4	545.509	45.8	43.410	0.808	1.395	59.9	1.612	32.5	-1.334	0.636	-25.5	1.478	BF and EF exceed limits NG
1106671.1	15341429.2	1130.2	439.424	311.993	35.4	538.918	45.4	42.886	0.785	1.366	60.1	1.575	31.9	-1.336	0.616	-24.8	1.472	BF exceeds limit NG
1106675.9	15341428.0	1130.1	435.989	308.970	35.3	534.368	45.2	42.524	0.771	1.341	60.1	1.547	32.0	-1.348	0.626	-24.9	1.486	BF exceeds limit NG
1106680.8	15341426.9	1129.8	429.510	303.298	35.2	525.802	44.6	41.842	0.745	1.312	60.4	1.509	30.6	-1.322	0.572	-23.4	1.441	BF exceeds limit NG
1106685.7	15341425.7	1129.6	426.005	300.247	35.2	521.180	44.4	41.474	0.734	1.291	60.4	1.485	30.5	-1.321	0.573	-23.4	1.439	BF exceeds limit NG
1106690.5	15341424.5	1129.7	426.094	300.326	35.2	521.298	44.4	41.484	0.738	1.281	60.1	1.478	32.2	-1.349	0.640	-25.4	1.494	BF exceeds limit NG
1106695.4	15341423.4	1129.7	426.250	300.463	35.2	521.505	44.4	41.500	0.743	1.272	59.7	1.473	33.8	-1.375	0.706	-27.2	1.545	BF exceeds limit NG
1106700.3	15341422.2	1129.7	424.521	298.962	35.2	519.227	44.3	41.319	0.740	1.258	59.5	1.460	34.6	-1.379	0.733	-28.0	1.562	BF exceeds limit NG
1106705.1	15341421.1	1129.7	422.602	297.300	35.1	516.701	44.1	41.118	0.737	1.243	59.3	1.445	35.3	-1.381	0.756	-28.7	1.574	BF exceeds limit NG
1106710.0	15341419.9	1129.5	417.949	293.283	35.1	510.584	43.7	40.631	0.721	1.221	59.4	1.417	34.7	-1.356	0.728	-28.2	1.540	BF exceeds limit NG
1106714.8	15341418.7	1129.2	411.213	287.505	35.0	501.752	43.2	39.928	0.696	1.193	59.7	1.381	32.9	-1.314	0.662	-26.7	1.471	BF exceeds limit NG
1106719.7	15341417.6	1129.3	409.548	286.083	34.9	499.573	43.1	39.755	0.692	1.177	59.6	1.365	33.9	-1.323	0.692	-27.6	1.493	BF exceeds limit NG
1106724.6	15341416.4	1129.2	406.034	283.092	34.9	494.980	42.8	39.389	0.679	1.157	59.6	1.341	33.9	-1.316	0.686	-27.5	1.484	BF exceeds limit NG
1106729.4	15341415.3	1129.1	402.393	280.005	34.8	490.228	42.5	39.011	0.666	1.137	59.6	1.318	33.9	-1.311	0.675	-27.2	1.474	BF exceeds limit NG
1106734.3	15341414.1	1129.0	397.810	276.136	34.8	484.256	42.2	38.536	0.649	1.116	59.8	1.291	33.3	-1.298	0.643	-26.3	1.449	BF exceeds limit NG
1106739.2	15341413.0	1128.9	393.721	272.702	34.7	478.939	41.9	38.113	0.634	1.097	60.0	1.267	32.9	-1.292	0.617	-25.5	1.432	BF exceeds limit NG
1106744.0	15341411.8	1129.0	392.893	272.008	34.7	477.863	41.8	38.027	0.634	1.087	59.8	1.258	34.6	-1.317	0.648	-26.2	1.468	BF exceeds limit NG
1106748.9	15341410.6	1129.0	390.130	269.699	34.7	474.277	41.6	37.742	0.626	1.072	59.7	1.242	35.2	-1.324	0.639	-25.8	1.470	BF exceeds limit NG
1106753.8	15341409.5	1128.9	385.612	265.937	34.6	468.422	41.2	37.276	0.611	1.055	59.9	1.219	34.9	-1.315	0.595	-24.3	1.443	BF exceeds limit NG
1106758.6	15341408.3	1128.9	381.454	262.491	34.5	463.043	40.9	36.848	0.598	1.038	60.1	1.198	34.7	-1.309	0.554	-22.9	1.422	BF exceeds limit NG
1106763.5	15341407.2	1128.8	377.635	259.341	34.5	458.111	40.6	36.455	0.587	1.024	60.2	1.180	35.0	-1.307	0.518	-21.6	1.406	BF exceeds limit NG
1106768.4	15341406.0	1128.9	374.473	256.742	34.4	454.033	40.4	36.131	0.580	1.010	60.1	1.165	35.7	-1.312	0.493	-20.6	1.402	BF exceeds limit NG
1106773.2	15341404.9	1129.0	373.155	255.663	34.4	452.337	40.3	35.996	0.581	1.001	59.8	1.157	37.8	-1.335	0.503	-20.6	1.427	BF exceeds limit NG
1106778.1	15341403.7	1129.0	370.217	253.260	34.4	448.554	40.1	35.695	0.575	0.987	59.8	1.143	38.9	-1.346	0.485	-19.8	1.431	BF exceeds limit NG
1106782.9	15341402.5	1129.2	369.267	252.485	34.4	447.333	40.0	35.598	0.579	0.977	59.4	1.136	41.6	-1.378	0.505	-20.1	1.468	BF exceeds limit NG
1106787.8	15341401.4	1129.1	363.178	247.533	34.3	439.512	39.5	34.975	0.557	0.954	59.7	1.105	41.0	-1.369	0.438	-17.7	1.437	BF exceeds limit NG
1106792.7	15341400.2	1128.8	354.538	240.562	34.2	428.448	38.9	34.095	0.523	0.924	60.5	1.062	38.7	-1.341	0.328	-13.7	1.381	BF exceeds limit NG
1106797.5	15341399.1	1128.5	345.900	233.656	34.0	417.423	38.2	33.217	0.490	0.895	61.3	1.021	36.2	-1.317	0.222	-9.6	1.336	BF exceeds limit NG
1106802.4	15341397.9	1128.5	341.340	230.037	34.0	411.618	37.9	32.756	0.475	0.875	61.5	0.996	36.8	-1.328	0.191	-8.2	1.341	BF exceeds limit NG
1106807.3	15341396.7	1128.4	336.665	226.344	33.9	405.679	37.5	32.283	0.461	0.856	61.7	0.972	37.4	-1.336	0.160	-6.8	1.345	BF exceeds limit NG
1106812.1	15341395.6	1128.4	331.515	222.297	33.8	399.147	37.1	31.763	0.447	0.835	61.9	0.947	37.6	-1.337	0.123	-5.3	1.343	BF exceeds limit NG
1106817.0	15341394.4	1128.7	331.757	222.487	33.8	399.454	37.1	31.788	0.460	0.827	60.9	0.946	42.4	-1.375	0.184	-7.6	1.387	BF exceeds limit NG
1106821.9	15341393.3	1128.7	327.466	219.131	33.8	394.021	36.8	31.355	0.453	0.808	60.7	0.926	43.8	-1.374	0.170	-7.1	1.384	BF exceeds limit NG
1106826.7	15341392.1	1128.4	319.457	212.906	33.7	383.903	36.2	30.550	0.428	0.780	61.2	0.890	42.2	-1.340	0.097	-4.2	1.344	BF exceeds limit NG
1106831.6	15341391.0	1128.2	311.578	206.834	33.6	373.980	35.6	29.760	0.405	0.752	61.7	0.854	40.7	-1.305	0.035	-1.5	1.305	BF exceeds limit NG
1106836.4	15341389.8	1128.1	306.159	202.686	33.5	367.171	35.2	29.219	0.395	0.727	61.5	0.827	41.5	-1.285	0.022	-1.0	1.285	BF exceeds limit NG
1106841.3	15341388.6	1128.2	303.670	200.789	33.5	364.049	35.0	28.970	0.399	0.707	60.5	0.812	45.1	-1.285	0.068	-3.0	1.287	BF exceeds limit NG
1106846.2	15341387.5	1128.3	299.465	197.595	33.4	358.781	34.7	28.551	0.395	0.683	59.9	0.789	47.3	-1.273	0.090	-4.1	1.276	BF exceeds limit NG
1106851.0	15341386.3	1128.1	292.436	192.286	33.3	349.990	34.1	27.851	0.376	0.652	60.1	0.753	46.8	-1.243	0.072	-3.3	1.245	BF exceeds limit NG
1106855.9	15341385.2	1127.6	282.592	184.916	33.2	337.716	33.4	26.875	0.341	0.616	61.0	0.704	43.0	-1.196	0.012	-0.6	1.196	BF exceeds limit NG
1106860.8	15341384.0	1126.8	269.752	175.411	33.0	321.769	32.4	25.606	0.292	0.575	63.1	0.644	34.9	-1.133	-0.092	4.7	1.137	BF exceeds limit NG
1106865.6	15341382.9	1127.0	267.291	173.603	33.0	318.720	32.2	25.363	0.291	0.553	62.3	0.625	38.8	-1.145	-0.027	1.4	1.145	BF exceeds limit NG
1106870.5	15341381.7	1127.5	268.313	174.354	33.0	319.987	32.3	25.464	0.309	0.541	60.3	0.623	47.2	-1.180	0.087	-4.2	1.183	BF exceeds limit NG
1106875.4	15341380.5	1127.3	261.825	169.605	32.9	311.959	31.8	24.825	0.288	0.514	60.8	0.589	46.1	-1.166	0.081	-4.0	1.169	BF exceeds limit NG
1106880.2	15341379.4	1127.0	254.584	164.341	32.8	303.020	31.2	24.114	0.263	0.487	61.7	0.553	43.6	-1.148	0.061	-3.0	1.150	BF exceeds limit NG
1106885.1	15341378.2	1126.6	246.595	158.577	32.7	293.183	30.6	23.331	0.234	0.460	63.0	0.516	39.4	-1.124	0.025	-1.3	1.125	BF exceeds limit NG
1106890.0	15341377.1	1126.5	240.949	154.530	32.7	286.244	30.2	22.779	0.218	0.439	63.6	0.491	38.3	-1.110	0.018	-0.9	1.111	BF exceeds limit NG
1106894.8	15341375.9	1125.9	231.846	148.054	32.6	275.086	29.5	21.891	0.188	0.413	65.6	0.454	30.7	-1.073	-0.044	2.4	1.073	BF exceeds limit NG
1106899.7	15341374.7	1126.0	228.317	145.558	32.5	270.769	29.2	21.547	0.184	0.399	65.2	0.440	32.3	-1.059	-0.033	1.8	1.060	BF exceeds limit NG
1106904.5	15341373.6	1126.0	224.475	142.851	32.5	266.074	28.9	21.174	0.180	0.386	65.0	0.426	33.0	-1.038	-0.035	1.9	1.039	BF exceeds limit NG
1106909.4	15341372.4	1126.0	220.710	140.209	32.4	261.479	28.6	20.808	0.177	0.374	64.7	0.414	33.5	-1.013	-0.043	2.4	1.014	BF exceeds limit NG
1106914.3	15341371.3	1126.1	216.977	137.599	32.4	256.929	28.3	20.446	0.173	0.364	64.6	0.403	33.6	-0.985	-0.057	3.3	0.986	BF exceeds limit NG
1106919.1	15341370.1	1126.4	215.312	136.438	32.4	254.901	28.2	20.284	0.178	0.359	63.6	0.400	37.4	-0.966	-0.048	2.8	0.967	BF exceeds limit NG
1106924.0	15341369.0	1126.8	214.647	135.976	32.4	254.092	28.1	20.220	0.189	0.355	62.1	0.402	43.1	-0.952	-0.030	1.8	0.953	BF exceeds limit NG
1106928.9	15341367.8	1127.5	215.911	136.858	32.4	255.632	28.2	20.343	0.210	0.357	59.6	0.414	52.3	-0.950	0.010	-0.6	0.950	BF exceeds limit NG
1106933.7	15341366.6	1127.9	214.689	136.008	32.4	254.145	28.1	20.224	0.217	0.353	58.5	0.415	56.6	-0.937	0.015	-0.9	0.938	BF exceeds limit NG
1106938.6	15341365.5	1128.1	212.129	134.228	32.3	251.030	27.9	19.976	0.216	0.347	58.1	0.409	58.4	-0.920	0.003	-0.2	0.920	BF exceeds limit NG
1106943.5	15341364.3	1128.2	208.517	131.725	32.3	246.639	27.6	19.627	0.209	0.338	58.3	0.397	58.2	-0.900	-0.023	1.5	0.900	BF exceeds limit NG

1106948.3	15341363.2	1128.4	206.071	130.035	32.3	243.669	27.4	19.391	0.208	0.330	57.8	0.390	60.4	−0.887	−0.032	2.1	0.888	BF exceeds limit NG
1106953.2	15341362.0	1128.8	204.131	128.699	32.2	241.315	27.3	19.203	0.210	0.324	57.0	0.386	63.5	−0.878	−0.032	2.1	0.879	BF exceeds limit NG
1106958.1	15341360.9	1128.7	199.366	125.423	32.2	235.538	26.9	18.743	0.196	0.311	57.8	0.367	61.4	−0.858	−0.067	4.4	0.860	BF exceeds limit NG
1106962.9	15341359.7	1128.5	194.072	121.801	32.1	229.128	26.5	18.233	0.177	0.296	59.1	0.345	58.0	−0.835	−0.106	7.2	0.842	BF exceeds limit NG
1106967.8	15341358.5	1128.2	188.838	118.238	32.1	222.800	26.1	17.730	0.160	0.282	60.5	0.324	54.3	−0.813	−0.142	9.9	0.825	BF exceeds limit NG
1106972.6	15341357.4	1128.1	184.216	115.107	32.0	217.222	25.7	17.286	0.146	0.269	61.5	0.306	51.7	−0.792	−0.169	12.0	0.810	BF exceeds limit NG
1106977.5	15341356.2	1128.3	182.184	113.739	32.0	214.774	25.5	17.091	0.148	0.260	60.4	0.300	55.4	−0.780	−0.162	11.8	0.797	BF exceeds limit NG
1106982.4	15341355.1	1128.3	178.417	111.205	31.9	210.236	25.2	16.730	0.140	0.249	60.7	0.286	54.7	−0.759	−0.178	13.2	0.779	BF exceeds limit NG
1106987.2	15341353.9	1128.4	175.431	109.205	31.9	206.644	25.0	16.444	0.136	0.239	60.3	0.275	55.8	−0.738	−0.183	14.0	0.760	BF exceeds limit NG
1106992.1	15341352.7	1128.6	173.858	108.158	31.9	204.756	24.8	16.294	0.141	0.233	58.7	0.272	60.3	−0.719	−0.173	13.5	0.740	BF exceeds limit NG
1106997.0	15341351.6	1128.7	171.342	106.481	31.9	201.734	24.6	16.053	0.140	0.224	58.1	0.264	62.1	−0.696	−0.175	14.1	0.718	BF exceeds limit NG
1107001.8	15341350.4	1128.5	167.450	103.890	31.8	197.060	24.3	15.682	0.129	0.213	58.9	0.249	59.7	−0.666	−0.195	16.3	0.694	
1107006.7	15341349.3	1128.6	165.359	102.504	31.8	194.553	24.1	15.482	0.128	0.206	58.2	0.243	61.5	−0.642	−0.195	16.9	0.671	
1107011.6	15341348.1	1128.7	163.483	101.262	31.8	192.303	24.0	15.303	0.127	0.200	57.7	0.237	63.1	−0.619	−0.195	17.5	0.648	
1107016.4	15341347.0	1128.8	161.899	100.214	31.8	190.405	23.9	15.152	0.126	0.195	57.1	0.232	64.5	−0.596	−0.193	17.9	0.627	
1107021.3	15341345.8	1128.9	160.588	99.343	31.7	188.832	23.7	15.027	0.125	0.191	56.7	0.228	65.5	−0.576	−0.191	18.3	0.607	
1107026.1	15341344.6	1128.7	158.508	97.958	31.7	186.335	23.6	14.828	0.118	0.186	57.7	0.220	63.0	−0.554	−0.200	19.8	0.589	

Max BF along centerline is 600.443 (mG) at 515.000 (ft) from structure 67

Cross section results at max BF along centerline between structures 67 and 68





3D EMF Point Results Span from 67 to 68:

Measurement			B					H	EF					Space Potential				
X (ft)	Y (ft)	Z (ft)	Real (mG)	Imaginary (mG)	Angle (deg)	Magnitude (mG)	Polarization Axial Ratio %	Magnitude (A/m)	Real (kV/m)	Imaginary (kV/m)	Angle (deg)	Magnitude (kV/m)	Polarization Axial Ratio %	Real (kV)	Imaginary (kV)	Angle (deg)	Magnitude (kV)	
1106659.7	15341575.8	1130.3	29.302	13.708	25.1	32.350	2.0	2.574	0.115	0.025	12.1	0.118	0.5	0.005	-0.019	-75.2	0.020	
1106658.6	15341570.9	1130.3	31.478	14.612	24.9	34.704	2.1	2.762	0.128	0.027	12.2	0.130	0.5	0.008	-0.019	-67.4	0.021	
1106657.4	15341566.1	1130.3	33.906	15.610	24.7	37.327	2.2	2.970	0.142	0.031	12.2	0.145	0.5	0.012	-0.020	-59.2	0.023	
1106656.2	15341561.2	1130.3	36.626	16.713	24.5	40.259	2.4	3.204	0.159	0.035	12.3	0.162	0.5	0.016	-0.020	-50.9	0.026	
1106655.1	15341556.3	1135.2	40.593	18.257	24.2	44.509	2.2	3.542	0.178	0.039	12.3	0.182	0.4	0.289	0.039	7.6	0.292	
1106653.9	15341551.5	1134.9	44.145	19.646	24.0	48.319	2.4	3.845	0.200	0.044	12.4	0.205	0.5	0.310	0.042	7.7	0.313	
1106652.8	15341546.6	1134.7	48.218	21.212	23.7	52.677	2.6	4.192	0.227	0.050	12.4	0.233	0.5	0.345	0.048	7.9	0.348	
1106651.6	15341541.7	1134.5	52.864	22.968	23.5	57.638	2.9	4.587	0.259	0.057	12.4	0.265	0.5	0.382	0.054	8.1	0.386	
1106650.5	15341536.9	1134.4	58.222	24.955	23.2	63.345	3.1	5.041	0.297	0.065	12.3	0.304	0.6	0.430	0.062	8.2	0.434	
1106649.3	15341532.0	1134.4	64.485	27.228	22.9	69.998	3.4	5.570	0.342	0.075	12.3	0.351	0.6	0.501	0.075	8.5	0.506	
1106648.1	15341527.1	1134.3	71.799	29.823	22.6	77.746	3.8	6.187	0.397	0.086	12.2	0.407	0.6	0.586	0.090	8.7	0.593	
1106647.0	15341522.3	1134.3	80.384	32.800	22.2	86.818	4.2	6.909	0.464	0.099	12.1	0.475	0.7	0.687	0.107	8.8	0.695	
1106645.8	15341517.4	1134.2	90.467	36.215	21.8	97.446	4.7	7.754	0.546	0.116	12.0	0.559	0.7	0.794	0.124	8.9	0.803	
1106644.7	15341512.6	1133.9	102.329	40.142	21.4	109.921	5.2	8.747	0.648	0.136	11.8	0.662	0.7	0.897	0.140	8.8	0.908	
1106643.5	15341507.7	1133.6	116.468	44.712	21.0	124.755	5.9	9.928	0.773	0.160	11.7	0.789	0.7	1.013	0.156	8.8	1.024	
1106642.3	15341502.8	1133.3	133.461	50.077	20.6	142.547	6.8	11.344	0.928	0.189	11.5	0.947	0.7	1.149	0.175	8.7	1.163	
1106641.2	15341498.0	1133.1	153.967	56.416	20.1	163.977	7.8	13.049	1.119	0.226	11.4	1.142	0.6	1.309	0.198	8.6	1.324	
1106640.0	15341493.1	1133.0	179.289	64.067	19.7	190.392	8.9	15.151	1.354	0.271	11.3	1.381	0.6	1.551	0.237	8.7	1.569	
1106638.9	**15341488.2**	**1133.0**	**210.590**	**73.375**	**19.2**	**223.007**	**10.3**	**17.746**	**1.636**	**0.329**	**11.4**	**1.668**	**0.5**	**1.886**	**0.297**	**9.0**	**1.909**	**BF and EF exceed limits NG**
1106637.7	**15341483.4**	**1132.9**	**248.235**	**84.646**	**18.8**	**262.270**	**12.0**	**20.871**	**1.961**	**0.403**	**11.6**	**2.002**	**0.5**	**2.244**	**0.369**	**9.3**	**2.274**	**BF and EF exceed limits NG**
1106636.6	**15341478.5**	**1132.6**	**289.954**	**97.960**	**18.7**	**306.055**	**14.2**	**24.355**	**2.304**	**0.501**	**12.3**	**2.358**	**0.9**	**2.420**	**0.422**	**9.9**	**2.457**	**BF and EF exceed limits NG**
1106635.4	**15341473.6**	**1132.4**	**337.217**	**114.392**	**18.7**	**356.091**	**16.9**	**28.337**	**2.616**	**0.630**	**13.5**	**2.691**	**1.8**	**2.590**	**0.506**	**11.1**	**2.639**	**BF and EF exceed limits NG**

1106634.2	15341468.8	1132.3	386.876	134.670	19.2	409.645	20.2	32.599	2.810	0.800	15.9	2.921	3.3	2.657	0.628	13.3	2.730	BF and EF exceed limits NG
1106633.1	15341463.9	1132.2	432.839	159.452	20.2	461.275	24.3	36.707	2.777	1.017	20.1	2.958	5.8	2.494	0.781	17.4	2.613	BF and EF exceed limits NG
1106631.9	15341459.0	1132.1	468.218	189.191	22.0	504.996	29.2	40.186	2.443	1.275	27.6	2.755	10.2	2.030	0.946	25.0	2.239	BF and EF exceed limits NG
1106630.8	15341454.2	1132.0	488.362	223.725	24.6	537.169	34.8	42.747	1.824	1.537	40.1	2.386	17.1	1.302	1.083	39.8	1.694	BF and EF exceed limits NG
1106629.6	15341449.3	1132.0	496.734	263.720	28.0	562.400	40.8	44.754	1.074	1.737	58.3	2.042	27.0	0.481	1.215	68.4	1.307	BF and EF exceed limits NG
1106628.5	15341444.5	1132.5	500.795	311.935	31.9	589.999	46.5	46.951	0.663	1.791	69.7	1.910	37.0	-0.425	1.395	-73.0	1.458	BF and EF exceed limits NG
1106627.3	15341439.6	1132.7	485.310	353.563	36.1	600.443	49.1	47.782	1.015	1.599	57.6	1.894	39.8	-1.416	1.103	-37.9	1.795	BF and EF exceed limits NG
1106626.1	15341434.7	1132.1	447.317	367.550	39.4	578.952	46.0	46.072	1.484	1.105	36.7	1.850	37.1	-1.958	0.179	-5.2	1.966	BF and EF exceed limits NG
1106625.0	15341429.9	1131.5	409.087	364.194	41.7	547.713	40.4	43.586	1.861	0.537	16.1	1.937	27.7	-2.091	-0.729	19.2	2.215	BF and EF exceed limits NG
1106623.8	15341425.0	1131.4	380.110	357.384	43.2	521.734	34.6	41.518	2.107	0.756	19.7	2.239	17.7	-2.270	-1.451	32.6	2.694	BF and EF exceed limits NG
1106622.7	15341420.1	1131.4	350.540	338.343	44.0	487.190	29.1	38.769	2.207	1.334	31.2	2.579	9.9	-2.347	-2.017	40.7	3.095	BF and EF exceed limits NG
1106621.5	15341415.3	1131.3	317.969	308.167	44.1	442.799	24.4	35.237	2.168	1.737	38.7	2.778	5.2	-2.288	-2.333	45.6	3.268	BF and EF exceed limits NG
1106620.3	15341410.4	1131.3	282.857	271.305	43.8	391.937	20.4	31.189	2.017	1.891	43.2	2.765	2.5	-2.108	-2.378	48.4	3.178	BF and EF exceed limits NG
1106619.2	15341405.5	1131.2	247.360	232.848	43.3	339.713	17.2	27.033	1.795	1.841	45.7	2.571	1.1	-1.842	-2.206	50.1	2.874	BF and EF exceed limits NG
1106618.0	15341400.7	1131.0	213.839	196.720	42.6	290.561	14.6	23.122	1.547	1.668	47.2	2.275	0.5	-1.532	-1.900	51.1	2.441	BF and EF exceed limits NG
1106616.9	15341395.8	1130.8	184.272	165.516	41.9	247.692	12.6	19.711	1.307	1.448	47.9	1.951	0.6	-1.249	-1.579	51.7	2.013	BF and EF exceed limits NG
1106615.7	15341390.9	1130.8	159.394	139.948	41.3	212.113	10.8	16.879	1.093	1.227	48.3	1.643	0.8	-1.048	-1.331	51.8	1.694	BF and EF exceed limits NG
1106614.6	15341386.1	1130.8	138.430	118.928	40.7	182.501	9.4	14.523	0.910	1.027	48.5	1.372	0.9	-0.888	-1.124	51.7	1.433	
1106613.4	15341381.2	1130.8	120.818	101.687	40.1	157.916	8.2	12.567	0.758	0.856	48.5	1.144	0.9	-0.757	-0.951	51.5	1.215	
1106612.2	15341376.4	1130.8	105.989	87.497	39.5	137.438	7.3	10.937	0.634	0.714	48.4	0.955	0.9	-0.640	-0.798	51.3	1.023	
1106611.1	15341371.5	1130.6	93.360	75.665	39.0	120.172	6.5	9.563	0.533	0.598	48.3	0.801	0.9	-0.518	-0.643	51.2	0.826	
1106609.9	15341366.6	1130.7	83.022	66.205	38.6	106.187	5.8	8.450	0.450	0.503	48.2	0.675	0.8	-0.463	-0.567	50.8	0.732	
1106608.8	15341361.8	1130.7	74.178	58.262	38.1	94.323	5.2	7.506	0.383	0.426	48.1	0.573	0.8	-0.407	-0.493	50.5	0.639	
1106607.6	15341356.9	1130.5	66.492	51.473	37.7	84.087	4.7	6.691	0.328	0.364	47.9	0.490	0.8	-0.335	-0.404	50.3	0.524	
1106606.5	15341352.0	1130.2	59.871	45.726	37.4	75.336	4.3	5.995	0.283	0.312	47.8	0.421	0.7	-0.268	-0.322	50.2	0.419	
1106605.3	15341347.2	1129.9	54.196	40.883	37.0	67.887	4.0	5.402	0.245	0.270	47.8	0.364	0.6	-0.216	-0.259	50.1	0.337	
1106604.1	15341342.3	1129.8	49.358	36.821	36.7	61.579	3.6	4.900	0.213	0.235	47.7	0.317	0.6	-0.190	-0.225	49.9	0.295	
1106603.0	15341337.4	1129.7	45.121	33.313	36.4	56.086	3.3	4.463	0.187	0.205	47.7	0.278	0.6	-0.165	-0.194	49.6	0.255	
1106601.8	15341332.6	1129.5	41.398	30.270	36.2	51.284	3.1	4.081	0.165	0.181	47.6	0.245	0.5	-0.143	-0.167	49.4	0.219	
1106600.7	15341327.7	1129.4	38.116	27.621	35.9	47.072	2.9	3.746	0.146	0.160	47.6	0.216	0.5	-0.124	-0.144	49.2	0.190	
1106599.5	15341322.9	1129.1	35.185	25.281	35.7	43.326	2.7	3.448	0.130	0.142	47.6	0.192	0.4	-0.102	-0.118	49.0	0.156	
1106598.3	15341318.0	1128.8	32.584	23.228	35.5	40.016	2.5	3.184	0.116	0.127	47.6	0.172	0.4	-0.085	-0.097	48.8	0.129	
1106597.2	15341313.1	1128.5	30.263	21.415	35.3	37.073	2.4	2.950	0.104	0.114	47.7	0.154	0.4	-0.070	-0.080	48.5	0.106	
1106596.0	15341308.3	1128.4	28.198	19.818	35.1	34.465	2.2	2.743	0.093	0.103	47.7	0.139	0.4	-0.062	-0.069	48.1	0.093	
1106594.9	15341303.4	1128.3	26.343	18.396	34.9	32.130	2.1	2.557	0.084	0.093	47.8	0.126	0.3	-0.056	-0.062	47.7	0.084	

Critical Energy/Electric Infrastructure Information (CEII) Has Been Redacted From This Document

PLS-CADD Version 20.01x64 10:38:05 AM Thursday, February 27, 2025
Quanta Services - Dashiell
Project Name: 'C:\projects\L72\5269-T0072-700 REV 0-0G PLS CADD MODEL.don'
Line Title: 'L72 New Analyses per Comments - TOWERS ACCR BITTERN'

3D EMF Calculation Notes:
1) Calculations based on the EPRI Red Book methods (3rd Edition, 2005 - 7.4 Calculation of Magnetic Fields and Appendices 7.1 Calculation of Field Ellipse Parameters and 7.6 Electric Field Calculations for 3D Geometry).
2) All wire positions are modeled at the specified weather case and wind direction. Height above ground determined by the modeled ground TIN.
3) Only the effects of wires are being analyzed. The effects of structures are not included unless enabled as noted below.
4) Ground return is being ignored for magnetic field calculations.

Meter height above ground:	3.28 (ft)
Maximum wire distance:	500.00 (ft)
Maximum cable segment size:	5.00 (ft)
Cross section offset +/-:	130.00 (ft)
Result interval:	5.00 (ft)
Electric field limit:	1.60 (kV/m)
Magnetic field limit:	200.00 (mG)
Space potential limit:	0.00 (kV)
Contour Map Spacing:	15 (ft)
Analyzing spans between these structures:	111 - 112

Section Data for 3D EMF Results:

Section Number	Section Note	Voltage Ph-Ph (kV)	Current (Amps)	Cable Filename	Cable Description	Conductors Per Phase	Bundle Diameter (in)	Cable Radius (in)	Weather Case	Condition	Wind Dir.	WC Temperature (deg F)	Effective Radius (in)
13		0.0	0.0	7no_7_alumoweld - 4550.wir	7#7 Alumoweld 7 Strands Alumoweld - Adapted from 1970's Publicly Available Data	1	0.000	0.216	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.216
50		0.0	0.0	TF-DNO-11467 - 5400.wir	AFL OPGW DNO-11467 S4-53/61/583	1	0.000	0.291	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.291
63		0.0	0.0	TF-DNO-11467 - 5700.wir	AFL OPGW DNO-11467 S4-53/61/583	1	0.000	0.291	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.291
70		0.0	0.0	TF-DNO-11467 - 6200.wir	AFL OPGW DNO-11467 S4-53/61/583	1	0.000	0.291	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.291
83		230.0	[redacted]	bluebird_acsr - 14000.wir 2156 kcmil 84/19 Strands BLUEBIRD ACSR - Adapted from 1970's Publicly Available Data		1	0.000	0.881	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.881
84		230.0	[redacted]	bluebird_acsr - 14000.wir 2156 kcmil 84/19 Strands BLUEBIRD ACSR - Adapted from 1970's Publicly Available Data		1	0.000	0.881	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.881
95		230.0	[redacted]	bluebird_acsr - 16000.wir 2156 kcmil 84/19 Strands BLUEBIRD ACSR - Adapted from 1970's Publicly Available Data		1	0.000	0.881	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.881

Centerline results between structures 111 and 112

3D EMF Point Results Centerline from 111 to 112:

Measurement X (ft)	Measurement Y (ft)	Measurement Z (ft)	B Real (mG)	B Imaginary (mG)	B Angle (deg)	B Magnitude (mG)	B Polarization Axial Ratio %	H Magnitude (A/m)	EF Real (kV/m)	EF Imaginary (kV/m)	EF Angle (deg)	EF Magnitude (kV/m)	EF Polarization Axial Ratio %	Space Potential Real (kV)	Space Potential Imaginary (kV)	Space Potential Angle (deg)	Space Potential Magnitude (kV)
1139606.4	15338835.0	1072.5	63.424	46.665	36.3	78.742	3.1	6.266	0.555	0.511	42.6	0.755	2.6	-0.634	0.611	-43.9	0.880
1139611.4	15338834.9	1071.3	64.640	47.990	36.6	80.507	2.8	6.407	0.554	0.511	42.6	0.754	2.4	-0.702	0.717	-45.6	1.003
1139616.4	15338834.8	1069.9	66.262	49.764	36.9	82.868	2.5	6.594	0.558	0.515	42.7	0.759	2.1	-0.763	0.814	-46.8	1.115
1139621.3	15338834.7	1068.0	67.599	51.324	37.2	84.876	2.3	6.754	0.563	0.523	42.9	0.768	1.7	-0.760	0.849	-48.2	1.140
1139626.3	15338834.6	1065.9	68.613	52.560	37.5	86.431	2.1	6.878	0.570	0.532	43.0	0.780	1.2	-0.711	0.835	-49.6	1.097
1139631.3	15338834.5	1063.8	69.485	53.601	37.6	87.756	1.9	6.983	0.579	0.544	43.2	0.795	0.7	-0.645	0.797	-51.0	1.026
1139636.3	15338834.4	1061.7	70.417	54.624	37.8	89.120	1.8	7.092	0.590	0.560	43.5	0.813	0.4	-0.586	0.757	-52.3	0.957
1139641.3	15338834.3	1061.7	75.002	58.878	38.1	95.352	1.6	7.588	0.609	0.584	43.8	0.843	0.3	-0.880	1.047	-50.0	1.368
1139646.3	15338834.2	1060.3	76.906	60.681	38.3	97.963	1.4	7.796	0.624	0.604	44.0	0.868	0.3	-0.917	1.091	-50.0	1.425
1139651.3	15338834.1	1058.2	77.482	61.235	38.3	98.758	1.4	7.859	0.639	0.622	44.2	0.891	0.3	-0.838	1.019	-50.6	1.319
1139656.3	15338834.0	1056.7	78.994	62.613	38.4	100.799	1.3	8.021	0.654	0.641	44.4	0.916	0.4	-0.855	1.037	-50.5	1.344
1139661.3	15338833.9	1055.6	81.081	64.495	38.5	103.604	1.2	8.245	0.670	0.660	44.6	0.940	0.4	-0.935	1.117	-50.1	1.456
1139666.3	15338833.8	1054.3	82.921	66.141	38.6	106.068	1.1	8.441	0.684	0.677	44.7	0.962	0.4	-1.004	1.186	-49.8	1.553
1139671.3	15338833.7	1053.0	84.568	67.606	38.6	108.270	1.0	8.616	0.696	0.691	44.8	0.981	0.4	-1.068	1.251	-49.5	1.645
1139676.3	15338833.6	1051.7	86.268	69.118	38.7	110.542	1.0	8.797	0.707	0.704	44.9	0.998	0.3	-1.152	1.336	-49.2	1.764
1139681.3	15338833.5	1050.2	87.322	70.039	38.7	111.940	0.9	8.908	0.716	0.714	44.9	1.011	0.3	-1.194	1.380	-49.1	1.824
1139686.3	15338833.4	1048.2	87.038	69.735	38.7	111.528	0.9	8.875	0.721	0.720	45.0	1.019	0.3	-1.135	1.324	-49.4	1.744
1139691.3	15338833.3	1046.2	86.925	69.591	38.7	111.350	0.8	8.861	0.725	0.724	45.0	1.024	0.2	-1.108	1.301	-49.6	1.709
1139696.3	15338833.2	1044.4	86.953	69.583	38.7	111.367	0.8	8.862	0.726	0.726	45.0	1.027	0.2	-1.113	1.310	-49.6	1.719

1139701.3	15338833.1	1042.8	87.523	70.075	38.7	112.119	0.8	8.922	0.726	0.725	45.0	1.026	0.1	-1.186	1.388	-49.5	1.825
1139706.3	15338833.0	1040.5	86.403	69.025	38.6	110.589	0.8	8.800	0.722	0.720	44.9	1.020	0.1	-1.128	1.336	-49.8	1.748
1139711.3	15338832.9	1037.8	84.352	67.135	38.5	107.808	0.7	8.579	0.716	0.713	44.9	1.010	0.1	-1.005	1.220	-50.5	1.580
1139716.3	15338832.8	1035.5	83.140	66.017	38.5	106.163	0.7	8.448	0.707	0.703	44.8	0.997	0.1	-0.978	1.199	-50.8	1.547
1139721.3	15338832.7	1032.9	81.429	64.456	38.4	103.852	0.7	8.264	0.696	0.690	44.7	0.980	0.1	-0.924	1.153	-51.3	1.477
1139726.3	15338832.6	1030.1	79.164	62.407	38.2	100.805	0.7	8.022	0.683	0.675	44.6	0.960	0.2	-0.836	1.074	-52.1	1.361
1139731.3	15338832.5	1027.1	76.706	60.198	38.1	97.507	0.7	7.759	0.668	0.657	44.5	0.937	0.2	-0.747	0.994	-53.1	1.243
1139736.3	15338832.4	1023.4	73.004	56.902	37.9	92.560	0.7	7.366	0.650	0.637	44.4	0.910	0.3	-0.550	0.808	-55.8	0.978
1139741.3	15338832.3	1019.2	68.725	53.134	37.7	86.869	0.7	6.913	0.632	0.616	44.3	0.882	0.3	-0.301	0.572	-62.3	0.646
1139746.3	15338832.2	1015.5	65.608	50.415	37.5	82.741	0.8	6.584	0.611	0.592	44.1	0.851	0.3	-0.180	0.461	-68.7	0.495
1139751.3	15338832.1	1011.8	62.680	47.882	37.4	78.876	0.8	6.277	0.589	0.568	43.9	0.818	0.2	-0.088	0.376	-76.8	0.386
1139756.3	15338832.0	1008.6	60.556	46.057	37.3	76.081	0.8	6.054	0.566	0.542	43.8	0.784	0.1	-0.092	0.382	-76.5	0.393
1139761.3	15338831.9	1005.2	58.334	44.161	37.1	73.164	0.8	5.822	0.541	0.516	43.7	0.748	0.3	-0.089	0.378	-76.7	0.388
1139766.3	15338831.8	1000.9	55.019	41.355	36.9	68.829	0.8	5.477	0.517	0.491	43.5	0.713	0.6	0.036	0.252	81.9	0.254
1139771.3	15338831.7	999.4	55.259	41.557	36.9	69.142	0.8	5.502	0.493	0.468	43.5	0.680	1.1	-0.233	0.501	-65.0	0.553
1139776.3	15338831.6	995.7	52.848	39.533	36.8	65.998	0.8	5.252	0.470	0.445	43.5	0.647	1.5	-0.202	0.457	-66.1	0.500
1139781.3	15338831.5	992.2	50.841	37.859	36.7	63.388	0.8	5.044	0.448	0.425	43.5	0.617	1.9	-0.207	0.444	-65.0	0.489
1139786.3	15338831.4	988.2	48.486	35.908	36.5	60.334	0.8	4.801	0.427	0.406	43.6	0.590	2.2	-0.160	0.377	-67.0	0.410
1139791.3	15338831.3	985.0	46.974	34.665	36.4	58.380	0.8	4.646	0.409	0.391	43.7	0.566	2.4	-0.196	0.388	-63.2	0.435
1139796.3	15338831.2	981.3	45.111	33.140	36.3	55.976	0.8	4.454	0.392	0.376	43.8	0.544	2.5	-0.178	0.345	-62.8	0.388
1139801.3	15338831.1	978.6	44.137	32.347	36.2	54.721	0.8	4.355	0.377	0.364	44.0	0.525	2.6	-0.249	0.391	-57.5	0.464
1139806.3	15338831.0	974.7	42.313	30.868	36.1	52.376	0.9	4.168	0.364	0.353	44.1	0.507	2.5	-0.207	0.324	-57.4	0.385
1139811.3	15338830.9	971.4	40.977	29.792	36.0	50.662	0.9	4.032	0.351	0.343	44.3	0.491	2.4	-0.210	0.303	-55.3	0.368
1139816.3	15338830.8	968.3	39.813	28.859	35.9	49.172	0.9	3.913	0.340	0.333	44.4	0.476	2.3	-0.221	0.290	-52.8	0.365
1139821.3	15338830.7	965.3	38.818	28.064	35.9	47.900	0.9	3.812	0.330	0.324	44.5	0.463	2.1	-0.241	0.289	-50.2	0.376
1139826.3	15338830.6	962.6	37.983	27.399	35.8	46.834	0.9	3.727	0.321	0.316	44.6	0.451	2.0	-0.270	0.298	-47.8	0.402
1139831.3	15338830.5	959.8	37.152	26.740	35.7	45.775	0.9	3.643	0.313	0.309	44.6	0.440	1.9	-0.289	0.298	-45.9	0.415
1139836.3	15338830.4	956.7	36.180	25.971	35.7	44.537	0.9	3.544	0.305	0.302	44.7	0.429	1.7	-0.280	0.271	-44.1	0.390
1139841.3	15338830.3	953.6	35.224	25.218	35.6	43.320	0.9	3.447	0.298	0.295	44.8	0.419	1.6	-0.262	0.236	-42.0	0.353
1139846.3	15338830.2	950.4	34.183	24.401	35.5	41.998	0.9	3.342	0.291	0.289	44.8	0.410	1.4	-0.223	0.181	-39.1	0.287
1139851.3	15338830.2	947.2	33.255	23.675	35.4	40.822	0.9	3.248	0.285	0.283	44.9	0.402	1.3	-0.187	0.131	-34.9	0.229
1139856.3	15338830.1	944.3	32.510	23.095	35.4	39.878	0.9	3.173	0.279	0.278	44.9	0.394	1.2	-0.168	0.097	-30.1	0.194
1139861.3	15338830.0	941.8	31.944	22.655	35.3	39.162	0.9	3.116	0.274	0.274	45.0	0.387	1.0	-0.164	0.081	-26.3	0.183
1139866.3	15338829.9	938.9	31.245	22.114	35.3	38.279	0.9	3.046	0.269	0.269	45.0	0.381	0.9	-0.132	0.037	-15.8	0.137
1139871.3	15338829.8	936.7	30.855	21.813	35.3	37.787	0.9	3.007	0.265	0.266	45.0	0.375	0.8	-0.136	0.031	-12.9	0.140
1139876.3	15338829.7	934.4	30.427	21.482	35.2	37.246	0.9	2.964	0.262	0.262	45.0	0.370	0.6	-0.127	0.012	-5.5	0.127
1139881.3	15338829.6	932.0	29.991	21.147	35.2	36.697	0.9	2.920	0.258	0.259	45.1	0.366	0.5	-0.108	-0.015	8.1	0.109
1139886.3	15338829.5	929.7	29.583	20.834	35.2	36.183	0.9	2.879	0.256	0.257	45.1	0.362	0.4	-0.085	-0.046	28.4	0.097
1139891.3	15338829.4	927.4	29.163	20.512	35.1	35.654	0.9	2.837	0.253	0.254	45.1	0.359	0.3	-0.052	-0.086	58.7	0.101
1139896.3	15338829.3	925.3	28.890	20.303	35.1	35.310	0.9	2.810	0.251	0.253	45.1	0.356	0.2	-0.034	-0.111	72.7	0.116
1139901.3	15338829.2	923.8	28.846	20.270	35.1	35.256	0.9	2.806	0.250	0.252	45.2	0.355	0.1	-0.045	-0.105	67.0	0.114
1139906.3	15338829.1	922.8	28.993	20.383	35.1	35.441	0.9	2.820	0.250	0.251	45.2	0.354	0.1	-0.077	-0.076	44.6	0.109
1139911.3	15338829.0	922.7	29.574	20.830	35.2	36.173	0.8	2.879	0.250	0.252	45.2	0.355	0.0	-0.170	0.014	-4.7	0.171
1139916.3	15338828.9	922.2	29.983	21.147	35.2	36.690	0.8	2.920	0.251	0.252	45.2	0.356	0.1	-0.228	0.070	-17.1	0.239
1139921.3	15338828.8	920.4	29.823	21.024	35.2	36.488	0.8	2.904	0.251	0.253	45.2	0.356	0.2	-0.194	0.033	-9.6	0.196
1139926.3	15338828.7	918.7	29.658	20.898	35.2	36.282	0.8	2.887	0.251	0.253	45.2	0.357	0.2	-0.151	-0.012	4.5	0.152
1139931.3	15338828.6	917.7	29.827	21.029	35.2	36.495	0.8	2.904	0.253	0.255	45.2	0.359	0.3	-0.153	-0.011	4.0	0.154
1139936.3	15338828.5	916.9	30.058	21.208	35.2	36.787	0.8	2.927	0.254	0.256	45.2	0.361	0.4	-0.158	-0.006	2.1	0.159
1139941.3	15338828.4	916.0	30.253	21.359	35.2	37.033	0.8	2.947	0.256	0.258	45.2	0.364	0.4	-0.152	-0.012	4.7	0.152
1139946.3	15338828.3	915.0	30.427	21.494	35.2	37.253	0.7	2.964	0.259	0.260	45.2	0.367	0.5	-0.135	-0.028	11.9	0.138
1139951.3	15338828.2	914.7	30.921	21.878	35.3	37.878	0.7	3.014	0.262	0.263	45.2	0.371	0.5	-0.162	0.000	-0.0	0.162
1139956.3	15338828.1	915.8	32.182	22.859	35.4	39.474	0.7	3.141	0.266	0.268	45.2	0.378	0.5	-0.297	0.139	-25.1	0.328
1139961.3	15338828.0	914.5	32.138	22.825	35.4	39.418	0.7	3.137	0.269	0.271	45.2	0.382	0.6	-0.230	0.073	-17.7	0.241
1139966.3	15338827.9	913.7	32.401	23.031	35.4	39.752	0.7	3.163	0.273	0.275	45.2	0.387	0.6	-0.202	0.048	-13.3	0.208
1139971.3	15338827.8	913.0	32.732	23.290	35.4	40.172	0.6	3.197	0.277	0.279	45.1	0.393	0.6	-0.178	0.027	-8.5	0.180
1139976.3	15338827.7	910.5	32.087	22.788	35.4	39.355	0.6	3.132	0.282	0.283	45.1	0.399	0.6	0.004	-0.154	-88.6	0.154
1139981.3	15338827.6	908.6	31.737	22.516	35.4	38.913	0.6	3.097	0.287	0.288	45.1	0.406	0.6	0.152	-0.300	-63.2	0.336
1139986.3	15338827.5	908.7	32.432	23.059	35.4	39.794	0.6	3.167	0.293	0.294	45.1	0.415	0.6	0.136	-0.280	-64.1	0.312
1139991.3	15338827.4	910.0	33.878	24.192	35.5	41.629	0.6	3.313	0.300	0.301	45.1	0.425	0.5	0.007	-0.146	-87.3	0.147
1139996.3	15338827.3	912.9	36.359	26.150	35.7	44.786	0.5	3.564	0.308	0.310	45.1	0.437	0.5	-0.264	0.131	-26.3	0.295
1140001.3	15338827.2	914.5	38.202	27.618	35.9	47.140	0.5	3.751	0.317	0.318	45.1	0.449	0.5	-0.423	0.294	-34.8	0.515
1140006.3	15338827.1	914.7	39.186	28.406	35.9	48.399	0.5	3.851	0.325	0.326	45.1	0.460	0.5	-0.452	0.328	-35.9	0.558
1140011.3	15338827.0	914.8	40.122	29.159	36.0	49.598	0.5	3.947	0.333	0.335	45.1	0.472	0.4	-0.470	0.349	-36.6	0.586
1140016.3	15338826.9	914.9	41.110	29.957	36.1	50.867	0.5	4.048	0.342	0.343	45.1	0.484	0.4	-0.490	0.374	-37.3	0.616
1140021.3	15338826.8	915.0	42.113	30.770	36.2	52.156	0.4	4.150	0.351	0.352	45.2	0.497	0.4	-0.508	0.395	-37.9	0.644
1140026.3	15338826.7	915.4	43.406	31.822	36.2	53.822	0.4	4.283	0.360	0.362	45.2	0.511	0.4	-0.560	0.451	-38.9	0.719
1140031.3	15338826.6	915.6	44.578	32.780	36.3	55.333	0.4	4.403	0.370	0.372	45.2	0.524	0.4	-0.592	0.487	-39.5	0.766
1140036.3	15338826.5	915.6	45.602	33.620	36.4	56.656	0.4	4.509	0.379	0.382	45.2	0.538	0.3	-0.601	0.500	-39.8	0.781
1140041.3	15338826.4	915.5	46.533	34.387	36.5	57.860	0.4	4.604	0.389	0.391	45.2	0.552	0.3	-0.595	0.498	-39.9	0.776
1140046.3	15338826.3	915.6	47.746	35.390	36.5	59.432	0.4	4.729	0.399	0.402	45.2	0.566	0.3	-0.622	0.529	-40.4	0.817
1140051.3	15338826.2	915.5	48.748	36.221	36.6	60.732	0.4	4.833	0.408	0.412	45.2	0.580	0.3	-0.621	0.531	-40.5	0.817
1140056.3	15338826.1	915.4	49.777	37.078	36.7	62.068	0.4	4.939	0.418	0.422	45.3	0.594	0.3	-0.621	0.535	-40.7	0.820
1140061.3	15338826.0	915.3	50.833	37.961	36.8	63.443	0.3	5.049	0.428	0.433	45.3	0.609	0.3	-0.624	0.541	-40.9	0.826
1140066.3	15338825.9	915.2	51.915	38.868	36.8	64.852	0.3	5.161	0.439	0.443	45.3	0.623	0.3	-0.628	0.549	-41.1	0.834

1140071.3	15338825.8	915.2	53.217	39.964	36.9	66.552	0.3	5.296	0.449	0.454	45.3	0.638	0.2	-0.659	0.582	-41.5	0.879
1140076.3	15338825.7	915.2	54.491	41.041	37.0	68.217	0.3	5.429	0.459	0.464	45.3	0.652	0.2	-0.685	0.612	-41.8	0.919
1140081.3	15338825.6	915.2	55.801	42.152	37.1	69.932	0.3	5.565	0.468	0.474	45.4	0.667	0.2	-0.715	0.646	-42.1	0.964
1140086.3	15338825.5	915.2	57.592	43.566	37.1	72.214	0.0	5.747	0.479	0.485	45.4	0.682	0.2	-0.678	0.648	-43.7	0.937
1140091.3	15338825.4	915.2	58.867	44.658	37.2	73.890	0.0	5.880	0.489	0.495	45.4	0.696	0.2	-0.707	0.679	-43.9	0.980
1140096.3	15338825.3	915.4	60.544	46.100	37.3	76.097	0.0	6.056	0.498	0.505	45.4	0.709	0.2	-0.780	0.757	-44.1	1.087
1140101.3	15338825.3	915.6	62.325	47.639	37.4	78.447	0.0	6.243	0.507	0.515	45.4	0.723	0.2	-0.865	0.846	-44.4	1.210
1140106.3	15338825.2	915.8	64.134	49.210	37.5	80.838	0.0	6.433	0.516	0.524	45.4	0.736	0.2	-0.951	0.936	-44.6	1.335
1140111.3	15338825.1	915.7	65.523	50.423	37.6	82.679	0.0	6.579	0.525	0.533	45.4	0.748	0.2	-0.993	0.983	-44.7	1.397
1140116.3	15338825.0	914.7	65.563	50.462	37.6	82.734	0.0	6.584	0.531	0.539	45.4	0.757	0.2	-0.898	0.890	-44.7	1.264
1140121.3	15338824.9	913.0	64.604	49.630	37.5	81.467	0.0	6.483	0.536	0.544	45.4	0.764	0.2	-0.698	0.691	-44.7	0.982
1140126.3	15338824.8	911.3	63.532	48.702	37.5	80.051	0.0	6.370	0.542	0.549	45.4	0.771	0.2	-0.481	0.475	-44.6	0.676
1140131.3	15338824.7	909.5	62.447	47.767	37.4	78.621	0.0	6.256	0.548	0.554	45.4	0.779	0.2	-0.259	0.253	-44.4	0.362
1140136.3	15338824.6	907.7	61.291	46.771	37.3	77.098	0.0	6.135	0.554	0.560	45.3	0.788	0.2	-0.021	0.015	-36.0	0.026
1140141.3	15338824.5	906.4	60.747	46.306	37.3	76.383	0.0	6.078	0.561	0.568	45.3	0.798	0.1	0.149	-0.155	-46.1	0.215
1140146.2	15338824.4	908.1	64.720	49.749	37.5	81.631	0.0	6.496	0.569	0.576	45.4	0.810	0.0	-0.220	0.220	-44.9	0.311
1140151.2	15338824.3	909.0	67.617	52.285	37.7	85.474	0.0	6.802	0.578	0.587	45.4	0.824	0.1	-0.444	0.446	-45.2	0.630
1140156.2	15338824.2	909.4	69.770	54.185	37.8	88.340	0.0	7.030	0.587	0.597	45.5	0.838	0.2	-0.579	0.582	-45.2	0.821
1140161.2	15338824.1	909.5	71.578	55.788	37.9	90.751	0.0	7.222	0.597	0.608	45.5	0.852	0.2	-0.674	0.677	-45.1	0.955
1140166.2	15338824.0	909.3	73.058	57.108	38.0	92.729	0.0	7.379	0.606	0.618	45.6	0.866	0.2	-0.734	0.737	-45.1	1.040
1140171.2	15338823.9	909.2	74.440	58.345	38.1	94.580	0.0	7.526	0.615	0.629	45.6	0.879	0.3	-0.786	0.787	-45.0	1.112
1140176.2	15338823.8	909.0	75.957	59.707	38.2	96.615	0.0	7.688	0.624	0.639	45.7	0.893	0.3	-0.853	0.852	-45.0	1.205
1140181.2	15338823.7	908.9	77.429	61.035	38.2	98.593	0.0	7.846	0.632	0.649	45.7	0.906	0.3	-0.917	0.915	-45.0	1.296
1140186.2	15338823.6	908.7	79.002	62.458	38.3	100.709	0.0	8.014	0.640	0.658	45.8	0.918	0.3	-0.994	0.992	-44.9	1.404
1140191.2	15338823.5	908.4	80.258	63.599	38.4	102.402	0.0	8.149	0.648	0.666	45.8	0.929	0.2	-1.044	1.042	-44.9	1.475
1140196.2	15338823.4	907.5	80.088	63.449	38.4	102.175	0.0	8.131	0.652	0.671	45.8	0.936	0.2	-0.966	0.960	-44.8	1.363
1140201.2	15338823.3	906.4	79.708	63.109	38.4	101.666	0.0	8.090	0.656	0.675	45.8	0.942	0.2	-0.874	0.865	-44.7	1.230
1140206.2	15338823.2	905.4	79.312	62.755	38.4	101.137	0.0	8.048	0.660	0.679	45.8	0.946	0.1	-0.786	0.773	-44.5	1.102
1140211.2	15338823.1	904.6	79.600	63.019	38.4	101.526	0.0	8.079	0.663	0.682	45.8	0.951	0.1	-0.769	0.755	-44.5	1.078
1140216.2	15338823.0	903.9	79.843	63.243	38.4	101.856	0.0	8.105	0.665	0.684	45.8	0.954	0.1	-0.755	0.740	-44.4	1.057
1140221.2	15338822.9	903.2	80.047	63.432	38.4	102.133	0.0	8.127	0.666	0.685	45.8	0.956	0.1	-0.742	0.726	-44.4	1.039
1140226.2	15338822.8	902.2	79.892	63.295	38.4	101.927	0.0	8.111	0.667	0.686	45.8	0.957	0.1	-0.701	0.683	-44.3	0.979
1140231.2	15338822.7	901.1	79.314	62.775	38.4	101.151	0.0	8.049	0.667	0.686	45.8	0.956	0.1	-0.624	0.603	-44.0	0.867
1140236.2	15338822.6	900.7	80.023	63.422	38.4	102.108	0.0	8.125	0.667	0.686	45.8	0.957	0.1	-0.676	0.655	-44.1	0.941
1140241.2	15338822.5	900.0	80.364	63.734	38.4	102.569	0.0	8.162	0.667	0.686	45.8	0.956	0.1	-0.697	0.675	-44.1	0.970
1140246.2	15338822.4	899.5	80.927	64.249	38.4	103.330	0.0	8.223	0.666	0.685	45.8	0.956	0.1	-0.742	0.721	-44.2	1.035
1140251.2	15338822.3	899.2	81.946	65.181	38.5	104.708	0.0	8.332	0.666	0.685	45.8	0.956	0.1	-0.834	0.813	-44.3	1.165
1140256.2	15338822.2	898.8	82.920	66.074	38.5	106.026	0.0	8.437	0.665	0.685	45.8	0.955	0.1	-0.922	0.903	-44.4	1.291
1140261.2	15338822.1	898.9	84.912	67.901	38.6	108.722	0.0	8.652	0.666	0.686	45.8	0.956	0.2	-1.101	1.088	-44.6	1.548
1140266.2	15338822.0	898.3	85.120	68.096	38.7	109.007	0.0	8.674	0.664	0.684	45.8	0.954	0.1	-1.122	1.109	-44.7	1.578
1140271.2	15338821.9	895.5	80.609	63.977	38.4	102.912	0.0	8.189	0.656	0.674	45.8	0.940	0.0	-0.719	0.695	-44.0	1.000
1140276.2	15338821.8	892.8	76.744	60.485	38.2	97.714	0.0	7.776	0.649	0.666	45.7	0.930	0.1	-0.352	0.319	-42.2	0.475
1140281.2	15338821.7	891.1	74.855	58.791	38.1	95.182	0.0	7.574	0.644	0.660	45.7	0.922	0.1	-0.167	0.131	-38.1	0.212
1140286.2	15338821.6	889.6	73.297	57.401	38.1	93.098	0.0	7.409	0.641	0.655	45.6	0.917	0.1	-0.007	-0.030	76.0	0.031
1140291.2	15338821.5	888.6	72.782	56.944	38.0	92.411	0.0	7.354	0.639	0.653	45.6	0.913	0.0	0.049	-0.086	-60.2	0.099
1140296.2	15338821.4	888.3	73.688	57.755	38.1	93.624	0.0	7.450	0.639	0.653	45.6	0.913	0.1	-0.035	0.001	-1.1	0.035
1140301.2	15338821.3	888.3	74.985	58.919	38.2	95.363	0.0	7.589	0.641	0.656	45.6	0.917	0.2	-0.148	0.115	-37.9	0.187
1140306.2	15338821.2	888.4	76.395	60.188	38.2	97.257	0.0	7.739	0.646	0.661	45.7	0.924	0.3	-0.258	0.226	-41.2	0.343
1140311.2	15338821.1	888.3	77.683	61.352	38.3	98.988	0.0	7.877	0.652	0.668	45.7	0.934	0.4	-0.342	0.309	-42.1	0.461
1140316.2	15338821.0	888.4	79.151	62.682	38.4	100.964	0.0	8.034	0.660	0.678	45.8	0.946	0.4	-0.431	0.396	-42.5	0.586
1140321.2	15338820.9	888.3	80.513	63.921	38.4	102.801	0.0	8.181	0.669	0.688	45.8	0.960	0.4	-0.498	0.460	-42.7	0.678
1140326.2	15338820.8	888.4	82.001	65.279	38.5	104.812	0.0	8.341	0.679	0.700	45.9	0.975	0.4	-0.566	0.524	-42.8	0.771
1140331.2	15338820.7	888.4	83.445	66.602	38.6	106.766	0.0	8.496	0.690	0.713	45.9	0.992	0.4	-0.619	0.574	-42.8	0.844
1140336.2	15338820.6	888.3	84.840	67.884	38.7	108.656	0.0	8.647	0.702	0.727	46.0	1.011	0.4	-0.659	0.610	-42.8	0.898
1140341.2	15338820.5	888.3	86.304	69.234	38.7	110.642	0.0	8.805	0.715	0.741	46.0	1.030	0.4	-0.698	0.645	-42.7	0.950
1140346.2	15338820.4	888.3	87.822	70.639	38.8	112.706	0.0	8.969	0.728	0.756	46.1	1.049	0.4	-0.735	0.678	-42.7	1.000
1140351.2	15338820.3	888.3	89.331	72.040	38.9	114.760	0.0	9.132	0.741	0.771	46.1	1.070	0.3	-0.766	0.706	-42.6	1.042
1140356.2	15338820.3	888.3	90.881	73.483	39.0	116.872	0.0	9.300	0.755	0.787	46.2	1.090	0.3	-0.797	0.733	-42.6	1.083
1140361.2	15338820.2	888.4	92.517	75.013	39.0	119.106	0.0	9.478	0.768	0.802	46.2	1.111	0.3	-0.833	0.766	-42.6	1.132
1140366.2	15338820.1	888.3	93.965	76.372	39.1	121.087	0.0	9.636	0.781	0.818	46.3	1.131	0.2	-0.852	0.782	-42.5	1.156
1140371.2	15338820.0	888.7	96.672	78.921	39.2	124.796	0.0	9.931	0.795	0.833	46.3	1.152	0.2	-0.979	0.912	-43.0	1.338
1140376.2	15338819.9	889.7	101.185	83.202	39.4	131.000	0.0	10.425	0.811	0.851	46.4	1.175	0.2	-1.252	1.197	-43.7	1.732
1140381.2	15338819.8	890.1	104.298	86.178	39.6	135.295	0.0	10.766	0.824	0.866	46.4	1.196	0.2	-1.404	1.357	-44.0	1.953
1140386.2	15338819.7	890.0	105.778	87.602	39.6	137.343	0.0	10.929	0.834	0.878	46.4	1.211	0.1	-1.429	1.385	-44.1	1.990
1140391.2	15338819.6	889.9	107.274	89.045	39.7	139.415	0.0	11.094	0.844	0.888	46.4	1.225	0.1	-1.457	1.419	-44.2	2.034
1140396.2	15338819.5	888.3	103.790	85.701	39.5	134.600	0.0	10.711	0.846	0.889	46.4	1.227	0.0	-1.097	1.045	-43.6	1.515
1140401.2	15338819.4	886.4	99.475	81.591	39.4	128.656	0.0	10.238	0.848	0.890	46.4	1.229	0.1	-0.649	0.581	-41.8	0.871
1140406.2	15338819.3	886.0	100.000	82.092	39.4	129.380	0.0	10.296	0.855	0.896	46.3	1.239	0.1	-0.610	0.546	-41.8	0.818
1140411.2	15338819.2	886.1	101.652	83.667	39.5	131.656	0.0	10.477	0.863	0.904	46.3	1.250	0.1	-0.667	0.612	-42.5	0.905
1140416.2	15338819.1	886.2	103.683	85.610	39.5	134.459	0.0	10.700	0.872	0.914	46.3	1.264	0.0	-0.753	0.707	-43.2	1.033
1140421.2	15338819.0	886.4	105.749	87.595	39.6	137.316	0.0	10.927	0.882	0.925	46.4	1.279	0.1	-0.838	0.799	-43.7	1.158
1140426.2	15338818.9	886.4	107.414	89.202	39.7	139.623	0.0	11.111	0.893	0.937	46.4	1.294	0.1	-0.885	0.852	-43.9	1.228
1140431.2	15338818.8	886.4	108.945	90.684	39.8	141.748	0.0	11.280	0.904	0.950	46.4	1.311	0.1	-0.917	0.887	-44.1	1.276
1140436.2	15338818.7	886.4	110.481	92.174	39.8	143.882	0.0	11.450	0.915	0.963	46.5	1.328	0.2	-0.945	0.919	-44.2	1.318

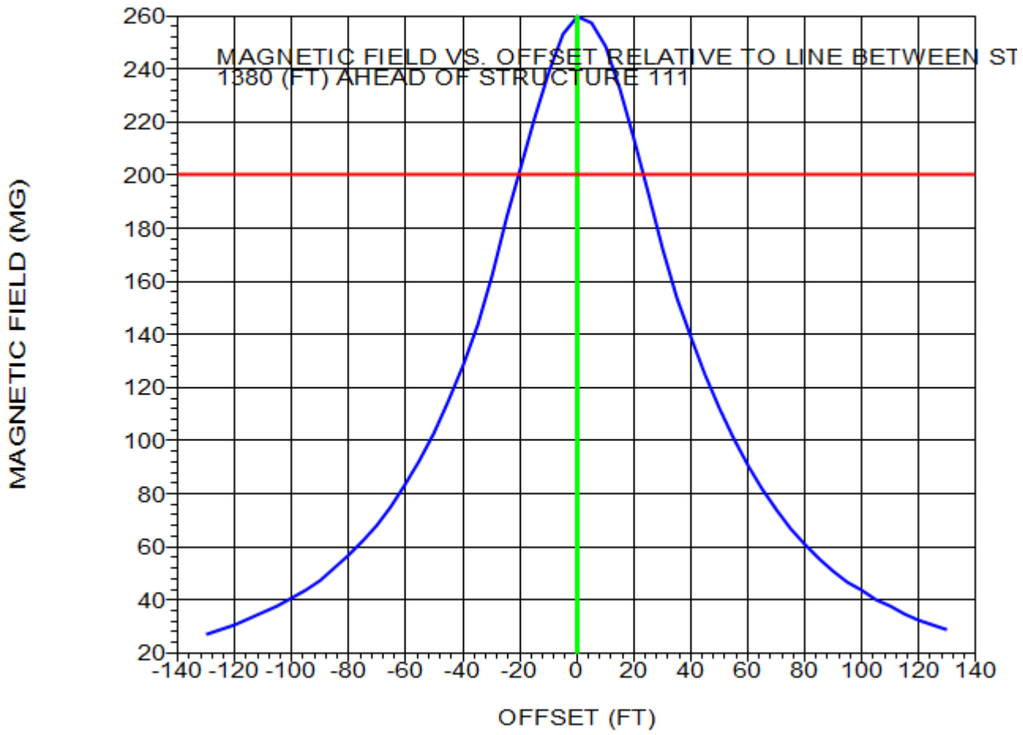
1140441.2	15338818.6	886.3	112.019	93.672	39.9	146.022	0.0	11.620	0.927	0.977	46.5	1.346	0.2	-0.970	0.947	-44.3	1.356	
1140446.2	15338818.5	886.3	113.559	95.175	40.0	148.169	0.0	11.791	0.939	0.991	46.5	1.365	0.2	-0.993	0.971	-44.4	1.389	
1140451.2	15338818.4	886.3	115.100	96.684	40.0	150.319	0.0	11.962	0.952	1.005	46.6	1.384	0.2	-1.012	0.992	-44.4	1.417	
1140456.2	15338818.3	886.3	116.717	98.274	40.1	152.580	0.0	12.142	0.964	1.020	46.6	1.404	0.2	-1.035	1.017	-44.5	1.451	
1140461.2	15338818.2	886.3	118.399	99.930	40.2	154.934	0.0	12.329	0.977	1.035	46.6	1.423	0.2	-1.061	1.045	-44.6	1.490	
1140466.2	15338818.1	886.2	119.640	101.156	40.2	156.673	0.0	12.468	0.990	1.049	46.7	1.443	0.2	-1.052	1.036	-44.6	1.476	
1140471.2	15338818.0	886.2	121.289	102.790	40.3	158.986	0.0	12.652	1.003	1.065	46.7	1.463	0.2	-1.072	1.059	-44.7	1.506	
1140476.2	15338817.9	886.2	122.639	104.131	40.3	160.883	0.0	12.803	1.016	1.079	46.7	1.482	0.2	-1.068	1.056	-44.7	1.502	
1140481.2	15338817.8	886.1	124.127	105.613	40.4	162.978	0.0	12.969	1.029	1.094	46.8	1.502	0.2	-1.074	1.064	-44.7	1.511	
1140486.2	15338817.7	886.2	125.890	107.372	40.5	165.460	0.0	13.167	1.042	1.110	46.8	1.523	0.2	-1.099	1.092	-44.8	1.549	
1140491.2	15338817.6	886.3	128.106	109.592	40.5	168.587	0.0	13.416	1.056	1.126	46.8	1.544	0.2	-1.157	1.155	-44.9	1.635	
1140496.2	15338817.5	886.3	129.685	111.179	40.6	170.818	0.0	13.593	1.069	1.142	46.9	1.564	0.2	-1.168	1.168	-45.0	1.652	
1140501.2	15338817.4	886.3	131.112	112.617	40.7	172.838	0.0	13.754	1.082	1.157	46.9	1.584	0.2	-1.168	1.170	-45.0	1.653	
1140506.2	**15338817.3**	**886.3**	**132.850**	**114.374**	**40.7**	**175.301**	**0.0**	**13.950**	**1.095**	**1.172**	**46.9**	**1.604**	**0.2**	**-1.191**	**1.196**	**-45.1**	**1.688**	**EF exceeds limit NG**
1140511.2	**15338817.2**	**886.3**	**134.470**	**116.016**	**40.8**	**177.600**	**0.0**	**14.133**	**1.108**	**1.187**	**47.0**	**1.624**	**0.2**	**-1.206**	**1.214**	**-45.2**	**1.712**	**EF exceeds limit NG**
1140516.2	**15338817.1**	**886.3**	**136.034**	**117.604**	**40.8**	**179.822**	**0.0**	**14.310**	**1.121**	**1.201**	**47.0**	**1.643**	**0.2**	**-1.218**	**1.229**	**-45.3**	**1.730**	**EF exceeds limit NG**
1140521.2	**15338817.0**	**886.3**	**137.495**	**119.092**	**40.9**	**181.901**	**0.0**	**14.475**	**1.133**	**1.216**	**47.0**	**1.662**	**0.2**	**-1.223**	**1.237**	**-45.3**	**1.740**	**EF exceeds limit NG**
1140526.2	**15338816.9**	**886.3**	**139.136**	**120.768**	**41.0**	**184.238**	**0.0**	**14.661**	**1.145**	**1.230**	**47.0**	**1.681**	**0.2**	**-1.242**	**1.260**	**-45.4**	**1.769**	**EF exceeds limit NG**
1140531.2	**15338816.8**	**886.2**	**140.225**	**121.883**	**41.0**	**185.792**	**0.0**	**14.785**	**1.157**	**1.243**	**47.1**	**1.698**	**0.2**	**-1.224**	**1.243**	**-45.4**	**1.745**	**EF exceeds limit NG**
1140536.2	**15338816.7**	**886.3**	**141.897**	**123.597**	**41.1**	**188.178**	**0.0**	**14.975**	**1.169**	**1.257**	**47.1**	**1.717**	**0.3**	**-1.248**	**1.270**	**-45.5**	**1.780**	**EF exceeds limit NG**
1140541.2	**15338816.6**	**886.3**	**143.440**	**125.184**	**41.1**	**190.384**	**0.0**	**15.150**	**1.180**	**1.271**	**47.1**	**1.735**	**0.3**	**-1.263**	**1.289**	**-45.6**	**1.805**	**EF exceeds limit NG**
1140546.2	**15338816.5**	**886.1**	**144.160**	**125.927**	**41.1**	**191.415**	**0.0**	**15.232**	**1.191**	**1.283**	**47.1**	**1.751**	**0.3**	**-1.223**	**1.248**	**-45.6**	**1.748**	**EF exceeds limit NG**
1140551.2	**15338816.4**	**886.1**	**145.510**	**127.319**	**41.2**	**193.347**	**0.0**	**15.386**	**1.202**	**1.297**	**47.2**	**1.769**	**0.3**	**-1.228**	**1.255**	**-45.6**	**1.756**	**EF exceeds limit NG**
1140556.2	**15338816.3**	**886.3**	**147.785**	**129.672**	**41.3**	**196.609**	**0.0**	**15.646**	**1.215**	**1.312**	**47.2**	**1.788**	**0.3**	**-1.296**	**1.331**	**-45.8**	**1.858**	**EF exceeds limit NG**
1140561.2	**15338816.2**	**886.3**	**149.271**	**131.213**	**41.3**	**198.743**	**0.0**	**15.815**	**1.226**	**1.325**	**47.2**	**1.805**	**0.3**	**-1.312**	**1.350**	**-45.8**	**1.883**	**EF exceeds limit NG**
1140566.2	**15338816.1**	**886.3**	**150.580**	**132.574**	**41.4**	**200.624**	**0.0**	**15.965**	**1.237**	**1.338**	**47.2**	**1.822**	**0.3**	**-1.318**	**1.358**	**-45.8**	**1.892**	**BF and EF exceed limits NG**
1140571.2	**15338816.0**	**886.3**	**151.936**	**133.987**	**41.4**	**202.575**	**0.0**	**16.120**	**1.248**	**1.351**	**47.3**	**1.839**	**0.3**	**-1.329**	**1.371**	**-45.9**	**1.910**	**BF and EF exceed limits NG**
1140576.2	**15338815.9**	**886.3**	**153.200**	**135.306**	**41.5**	**204.396**	**0.0**	**16.265**	**1.258**	**1.363**	**47.3**	**1.855**	**0.3**	**-1.336**	**1.380**	**-45.9**	**1.921**	**BF and EF exceed limits NG**
1140581.2	**15338815.8**	**886.3**	**154.427**	**136.589**	**41.5**	**206.166**	**0.0**	**16.406**	**1.268**	**1.375**	**47.3**	**1.871**	**0.3**	**-1.343**	**1.388**	**-46.0**	**1.931**	**BF and EF exceed limits NG**
1140586.2	**15338815.7**	**886.3**	**155.620**	**137.839**	**41.5**	**207.887**	**0.0**	**16.543**	**1.278**	**1.387**	**47.3**	**1.885**	**0.3**	**-1.350**	**1.397**	**-46.0**	**1.942**	**BF and EF exceed limits NG**
1140591.2	**15338815.6**	**886.3**	**156.861**	**139.142**	**41.6**	**209.681**	**0.0**	**16.686**	**1.287**	**1.398**	**47.4**	**1.900**	**0.4**	**-1.362**	**1.412**	**-46.0**	**1.962**	**BF and EF exceed limits NG**
1140596.2	**15338815.5**	**886.3**	**157.999**	**140.338**	**41.6**	**211.325**	**0.0**	**16.817**	**1.296**	**1.408**	**47.4**	**1.914**	**0.4**	**-1.370**	**1.422**	**-46.1**	**1.975**	**BF and EF exceed limits NG**
1140601.2	**15338815.4**	**886.3**	**159.280**	**141.686**	**41.7**	**213.179**	**0.0**	**16.964**	**1.305**	**1.419**	**47.4**	**1.927**	**0.4**	**-1.390**	**1.445**	**-46.1**	**2.005**	**BF and EF exceed limits NG**
1140606.2	**15338815.4**	**886.3**	**160.149**	**142.604**	**41.7**	**214.438**	**0.0**	**17.064**	**1.312**	**1.428**	**47.4**	**1.939**	**0.4**	**-1.387**	**1.443**	**-46.1**	**2.001**	**BF and EF exceed limits NG**
1140611.2	**15338815.3**	**886.2**	**160.619**	**143.100**	**41.7**	**215.118**	**0.0**	**17.119**	**1.319**	**1.436**	**47.4**	**1.950**	**0.4**	**-1.360**	**1.415**	**-46.1**	**1.963**	**BF and EF exceed limits NG**
1140616.2	**15338815.2**	**886.2**	**161.357**	**143.879**	**41.7**	**216.188**	**0.0**	**17.204**	**1.326**	**1.444**	**47.4**	**1.961**	**0.4**	**-1.354**	**1.410**	**-46.1**	**1.955**	**BF and EF exceed limits NG**
1140621.2	**15338815.1**	**886.3**	**162.754**	**145.358**	**41.8**	**218.215**	**0.0**	**17.365**	**1.334**	**1.454**	**47.5**	**1.973**	**0.4**	**-1.393**	**1.453**	**-46.2**	**2.013**	**BF and EF exceed limits NG**
1140626.2	**15338815.0**	**886.3**	**163.664**	**146.322**	**41.8**	**219.536**	**0.0**	**17.470**	**1.340**	**1.461**	**47.5**	**1.983**	**0.4**	**-1.403**	**1.465**	**-46.2**	**2.029**	**BF and EF exceed limits NG**
1140631.2	**15338814.9**	**886.3**	**164.525**	**147.235**	**41.8**	**220.787**	**0.0**	**17.570**	**1.346**	**1.469**	**47.5**	**1.992**	**0.4**	**-1.414**	**1.477**	**-46.3**	**2.044**	**BF and EF exceed limits NG**
1140636.2	**15338814.8**	**886.3**	**165.336**	**148.096**	**41.9**	**221.965**	**0.0**	**17.663**	**1.352**	**1.476**	**47.5**	**2.001**	**0.4**	**-1.424**	**1.489**	**-46.3**	**2.060**	**BF and EF exceed limits NG**
1140641.2	**15338814.7**	**886.3**	**166.393**	**149.219**	**41.9**	**223.501**	**0.0**	**17.786**	**1.358**	**1.483**	**47.5**	**2.010**	**0.4**	**-1.452**	**1.520**	**-46.3**	**2.102**	**BF and EF exceed limits NG**
1140646.2	**15338814.6**	**886.3**	**166.898**	**149.757**	**41.9**	**224.236**	**0.0**	**17.844**	**1.362**	**1.488**	**47.5**	**2.017**	**0.4**	**-1.449**	**1.517**	**-46.3**	**2.098**	**BF and EF exceed limits NG**
1140651.2	**15338814.5**	**886.3**	**167.222**	**150.101**	**41.9**	**224.708**	**0.0**	**17.882**	**1.366**	**1.492**	**47.5**	**2.023**	**0.4**	**-1.438**	**1.506**	**-46.3**	**2.082**	**BF and EF exceed limits NG**
1140656.2	**15338814.4**	**886.2**	**167.648**	**150.555**	**41.9**	**225.327**	**0.0**	**17.931**	**1.369**	**1.497**	**47.5**	**2.029**	**0.4**	**-1.436**	**1.504**	**-46.3**	**2.080**	**BF and EF exceed limits NG**
1140661.2	**15338814.3**	**886.3**	**168.245**	**151.191**	**41.9**	**226.197**	**0.0**	**18.000**	**1.373**	**1.501**	**47.5**	**2.034**	**0.4**	**-1.448**	**1.518**	**-46.4**	**2.097**	**BF and EF exceed limits NG**
1140666.1	**15338814.2**	**886.2**	**168.486**	**151.448**	**42.0**	**226.548**	**0.0**	**18.028**	**1.376**	**1.504**	**47.5**	**2.038**	**0.4**	**-1.440**	**1.510**	**-46.4**	**2.087**	**BF and EF exceed limits NG**
1140671.1	**15338814.1**	**886.2**	**168.666**	**151.639**	**42.0**	**226.810**	**0.0**	**18.049**	**1.378**	**1.506**	**47.6**	**2.041**	**0.4**	**-1.432**	**1.501**	**-46.3**	**2.074**	**BF and EF exceed limits NG**
1140676.1	**15338814.0**	**886.2**	**168.991**	**151.985**	**42.0**	**227.283**	**0.0**	**18.087**	**1.380**	**1.509**	**47.6**	**2.045**	**0.4**	**-1.435**	**1.504**	**-46.3**	**2.079**	**BF and EF exceed limits NG**
1140681.1	**15338813.9**	**886.2**	**169.392**	**152.413**	**42.0**	**227.867**	**0.0**	**18.133**	**1.382**	**1.512**	**47.6**	**2.048**	**0.5**	**-1.446**	**1.516**	**-46.3**	**2.095**	**BF and EF exceed limits NG**
1140686.1	**15338813.8**	**886.2**	**169.735**	**152.777**	**42.0**	**228.365**	**0.0**	**18.173**	**1.384**	**1.514**	**47.6**	**2.051**	**0.5**	**-1.456**	**1.526**	**-46.3**	**2.109**	**BF and EF exceed limits NG**
1140691.1	**15338813.7**	**886.3**	**170.018**	**153.079**	**42.0**	**228.778**	**0.0**	**18.206**	**1.385**	**1.515**	**47.6**	**2.053**	**0.5**	**-1.465**	**1.535**	**-46.3**	**2.122**	**BF and EF exceed limits NG**
1140696.1	**15338813.6**	**886.3**	**170.243**	**153.318**	**42.0**	**229.105**	**0.0**	**18.232**	**1.386**	**1.517**	**47.6**	**2.055**	**0.5**	**-1.474**	**1.543**	**-46.3**	**2.134**	**BF and EF exceed limits NG**
1140701.1	**15338813.5**	**886.3**	**170.340**	**153.420**	**42.0**	**229.246**	**0.0**	**18.243**	**1.386**	**1.517**	**47.6**	**2.055**	**0.5**	**-1.478**	**1.547**	**-46.3**	**2.139**	**BF and EF exceed limits NG**
1140706.1	**15338813.4**	**886.3**	**170.289**	**153.365**	**42.0**	**229.171**	**0.0**	**18.237**	**1.386**	**1.517**	**47.6**	**2.055**	**0.5**	**-1.476**	**1.543**	**-46.3**	**2.136**	**BF and EF exceed limits NG**
1140711.1	**15338813.3**	**886.3**	**170.208**	**153.275**	**42.0**	**229.050**	**0.0**	**18.227**	**1.385**	**1.516**	**47.6**	**2.053**	**0.5**	**-1.476**	**1.542**	**-46.2**	**2.134**	**BF and EF exceed limits NG**
1140716.1	**15338813.2**	**886.3**	**170.171**	**153.234**	**42.0**	**228.995**	**0.0**	**18.223**	**1.384**	**1.514**	**47.6**	**2.051**	**0.5**	**-1.482**	**1.547**	**-46.2**	**2.142**	**BF and EF exceed limits NG**
1140721.1	**15338813.1**	**886.3**	**170.062**	**153.115**	**42.0**	**228.835**	**0.0**	**18.210**	**1.382**	**1.512**	**47.6**	**2.049**	**0.5**	**-1.487**	**1.551**	**-46.2**	**2.148**	**BF and EF exceed limits NG**
1140726.1	**15338813.0**	**886.3**	**169.866**	**152.903**	**42.0**	**228.547**	**0.0**	**18.187**	**1.380**	**1.509**	**47.6**	**2.045**	**0.5**	**-1.490**	**1.553**	**-46.2**	**2.152**	**BF and EF exceed limits NG**
1140731.1	**15338812.9**	**886.3**	**169.481**	**152.489**	**42.0**	**227.984**	**0.0**	**18.142**	**1.377**	**1.505**	**47.6**	**2.040**	**0.5**	**-1.485**	**1.546**	**-46.1**	**2.144**	**BF and EF exceed limits NG**
1140736.1	**15338812.8**	**886.3**	**169.070**	**152.049**	**42.0**	**227.384**	**0.0**	**18.095**	**1.373**	**1.501**	**47.5**	**2.034**	**0.5**	**-1.482**	**1.541**	**-46.1**	**2.138**	**BF and EF exceed limits NG**
1140741.1	**15338812.7**	**886.3**	**168.602**	**151.547**	**42.0**	**226.701**	**0.0**	**18.040**	**1.369**	**1.496**	**47.5**	**2.028**	**0.5**	**-1.479**	**1.536**	**-46.1**	**2.132**	**BF and EF exceed limits NG**
1140746.1	**15338812.6**	**886.3**	**168.078**	**150.984**	**41.9**	**225.935**	**0.0**	**17.979**	**1.364**	**1.490**	**47.5**	**2.020**	**0.5**	**-1.476**	**1.530**	**-46.0**	**2.126**	**BF and EF exceed limits NG**
1140751.1	**15338812.5**	**886.3**	**167.498**	**150.363**	**41.9**	**225.087**	**0.0**	**17.912**	**1.359**	**1.484**	**47.5**	**2.013**	**0.5**	**-1.472**	**1.525**	**-46.0**	**2.119**	**BF and EF exceed limits NG**
1140756.1	**15338812.4**	**886.3**	**166.863**	**149.683**	**41.9**	**224.161**	**0.0**	**17.838**	**1.354**	**1.477**	**47.5**	**2.004**	**0.5**	**-1.467**	**1.518**	**-46.0**	**2.111**	**BF and EF exceed limits NG**
1140761.1	**15338812.3**	**886.3**	**166.171**	**148.944**	**41.9**	**223.152**	**0.0**	**17.758**	**1.348**	**1.470**	**47.5**	**1.995**	**0.5**	**-1.462**	**1.511**	**-45.9**	**2.103**	**BF and EF exceed limits NG**
1140766.1	**15338812.2**	**886.3**	**165.427**	**148.150**	**41.8**	**222.068**	**0.0**	**17.672**	**1.342**	**1.463**	**47.5**	**1.985**	**0.5**	**-1.457**	**1.503**	**-45.9**	**2.093**	**BF and EF exceed limits NG**
1140771.1	**15338812.1**	**886.3**	**164.631**	**147.301**	**41.8**	**220.910**	**0.0**	**17.579**	**1.335**	**1.455**	**47.5**	**1.974**	**0.5**	**-1.450**	**1.494**	**-45.8**	**2.082**	**BF and EF exceed limits NG**
1140776.1	**15338812.0**	**886.3**	**163.836**	**146.455**	**41.8**	**219.753**	**0.0**	**17.487**	**1.328**	**1.446**	**47.4**	**1.964**	**0.5**	**-1.446**	**1.487**	**-45.8**	**2.075**	**BF and EF exceed limits NG**
1140781.1	**15338811.9**	**886.3**	**163.081**	**145.650**	**41.8**	**218.653**	**0.0**	**17.400**	**1.321**	**1.438**	**47.4**	**1.952**	**0.5**	**-1.447**	**1.486**	**-45.8**	**2.074**	**BF and EF exceed limits NG**
1140786.1	**15338811.8**	**886.3**	**162.275**	**144.794**	**41.7**	**217.483**	**0.0**	**17.307**	**1.313**	**1.429**	**47.4**	**1.941**	**0.5**	**-1.446**	**1.484**	**-45.7**	**2.072**	**BF and EF exceed limits NG**
1140791.1	**15338811.7**	**886.4**	**161.422**	**143.888**	**41.7**	**216.242**	**0.0**	**17.208**	**1.305**	**1.419**	**47.4**	**1.928**	**0.5**	**-1.445**	**1.481**	**-45.7**	**2.069**	**BF and EF exceed limits NG**
1140796.1	**15338811.6**	**886.4**	**160.521**	**142.933**	**41.7**	**214.935**	**0.0**	**17.104**	**1.297**	**1.409**	**47.4**	**1.915**	**0.4**	**-1.442**	**1.477**	**-45.7**	**2.064**	**BF and EF exceed limits NG**
1140801.1	**15338811.5**	**886.4**	**159.574**	**141.931**	**41.7**	**213.561**	**0.0**	**16.995**	**1.288**	**1.399**	**47.4**	**1.902**	**0.4**	**-1.437**	**1.471**	**-45.7**	**2.056**	**BF and EF exceed limits NG**
1140806.1	**15338811.4**	**886.4**	**158.583**	**140.883**	**41.6**	**212.124**	**0.0**	**16.880**	**1.279**	**1.388**	**47.3**	**1.887**	**0.4**	**-1.430**	**1.464**	**-45.7**	**2.047**	**BF and EF exceed limits NG**

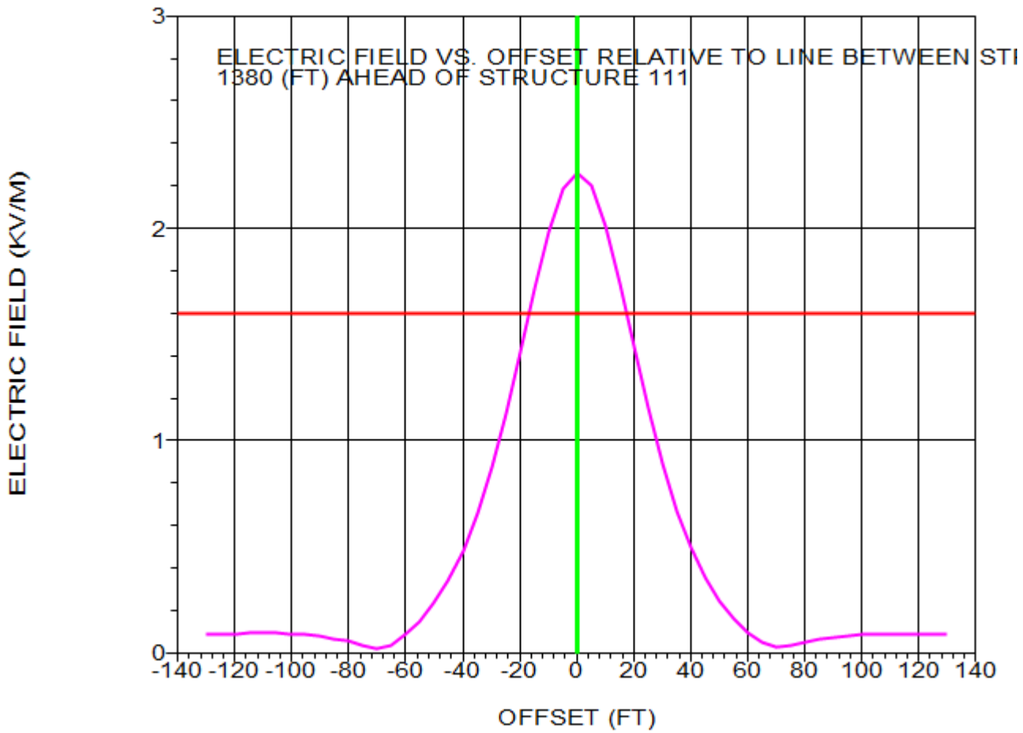
1140811.1	15338811.3	886.4	157.561	139.804	41.6	210.643	0.0	16.762	1.270	1.376	47.3	1.872	0.4	-1.421	1.456	-45.7	2.035	BF and EF exceed limits NG
1140816.1	15338811.2	886.5	156.534	138.722	41.5	209.157	0.0	16.644	1.260	1.364	47.3	1.857	0.4	-1.411	1.447	-45.7	2.021	BF and EF exceed limits NG
1140821.1	15338811.1	886.4	154.772	136.871	41.5	206.610	0.0	16.442	1.250	1.351	47.2	1.840	0.3	-1.352	1.385	-45.7	1.935	BF and EF exceed limits NG
1140826.1	15338811.0	886.1	152.261	134.245	41.4	202.991	0.0	16.153	1.239	1.337	47.2	1.823	0.3	-1.239	1.266	-45.6	1.772	BF and EF exceed limits NG
1140831.1	15338810.9	886.1	150.819	132.739	41.4	200.913	0.0	15.988	1.230	1.326	47.1	1.809	0.3	-1.192	1.218	-45.6	1.704	BF and EF exceed limits NG
1140836.1	15338810.8	886.2	150.302	132.196	41.3	200.166	0.0	15.929	1.224	1.318	47.1	1.799	0.3	-1.200	1.230	-45.7	1.718	BF and EF exceed limits NG
1140841.1	15338810.7	886.3	148.894	130.933	41.3	198.275	0.1	15.778	1.217	1.310	47.1	1.788	0.3	-1.189	1.210	-45.5	1.697	EF exceeds limit NG
1140846.1	15338810.6	886.4	147.887	129.888	41.3	196.828	0.2	15.663	1.212	1.304	47.1	1.781	0.3	-1.152	1.171	-45.5	1.643	EF exceeds limit NG
1140851.1	15338810.5	886.5	146.843	128.805	41.3	195.330	0.2	15.544	1.209	1.300	47.1	1.775	0.3	-1.104	1.121	-45.4	1.573	EF exceeds limit NG
1140856.1	15338810.5	887.0	148.138	130.143	41.3	197.185	0.2	15.691	1.210	1.302	47.1	1.777	0.4	-1.206	1.231	-45.6	1.724	EF exceeds limit NG
1140861.1	15338810.4	887.4	149.131	131.170	41.3	198.609	0.2	15.805	1.211	1.304	47.1	1.780	0.4	-1.280	1.312	-45.7	1.832	EF exceeds limit NG
1140866.1	15338810.3	887.8	149.507	131.558	41.3	199.147	0.2	15.848	1.213	1.306	47.1	1.782	0.4	-1.305	1.340	-45.7	1.871	EF exceeds limit NG
1140871.1	15338810.2	888.0	148.999	131.028	41.3	198.417	0.2	15.790	1.214	1.307	47.1	1.784	0.4	-1.266	1.299	-45.7	1.814	EF exceeds limit NG
1140876.1	15338810.1	888.1	148.119	130.113	41.3	197.152	0.2	15.689	1.215	1.308	47.1	1.785	0.3	-1.195	1.224	-45.7	1.711	EF exceeds limit NG
1140881.1	15338810.0	888.3	147.581	129.554	41.3	196.378	0.2	15.627	1.217	1.311	47.1	1.789	0.3	-1.140	1.168	-45.7	1.632	EF exceeds limit NG
1140886.1	15338809.9	889.0	149.349	131.383	41.3	198.913	0.2	15.829	1.223	1.318	47.1	1.798	0.3	-1.234	1.272	-45.9	1.773	EF exceeds limit NG
1140891.1	15338809.8	889.5	150.570	132.648	41.4	200.667	0.2	15.969	1.229	1.325	47.2	1.807	0.3	-1.285	1.332	-46.0	1.851	BF and EF exceed limits NG
1140896.1	15338809.7	890.1	152.039	134.173	41.4	202.776	0.2	16.136	1.235	1.332	47.2	1.816	0.3	-1.346	1.403	-46.2	1.945	BF and EF exceed limits NG
1140901.1	15338809.6	890.6	152.961	135.131	41.5	204.102	0.2	16.242	1.241	1.338	47.2	1.825	0.2	-1.365	1.431	-46.4	1.978	BF and EF exceed limits NG
1140906.1	15338809.5	890.9	152.537	134.686	41.4	203.489	0.2	16.193	1.245	1.342	47.1	1.831	0.2	-1.291	1.360	-46.5	1.875	BF and EF exceed limits NG
1140911.1	15338809.4	891.2	152.267	134.401	41.4	203.099	0.2	16.162	1.251	1.347	47.1	1.838	0.2	-1.219	1.292	-46.7	1.776	BF and EF exceed limits NG
1140916.1	15338809.3	891.6	152.385	134.520	41.4	203.266	0.2	16.175	1.258	1.354	47.1	1.848	0.1	-1.163	1.243	-46.9	1.702	BF and EF exceed limits NG
1140921.1	15338809.2	892.1	152.723	134.869	41.4	203.750	0.2	16.214	1.267	1.363	47.1	1.861	0.1	-1.113	1.199	-47.1	1.636	BF and EF exceed limits NG
1140926.1	15338809.1	892.6	153.335	135.503	41.5	204.628	0.2	16.284	1.279	1.375	47.1	1.878	0.2	-1.070	1.162	-47.4	1.579	BF and EF exceed limits NG
1140931.1	15338809.0	893.2	154.674	136.898	41.5	206.556	0.2	16.437	1.293	1.391	47.1	1.899	0.2	-1.064	1.163	-47.5	1.576	BF and EF exceed limits NG
1140936.1	15338808.9	893.9	156.267	138.561	41.6	208.850	0.2	16.620	1.311	1.411	47.1	1.926	0.3	-1.063	1.167	-47.7	1.579	BF and EF exceed limits NG
1140941.1	15338808.8	894.6	158.343	140.737	41.6	211.848	0.2	16.858	1.331	1.434	47.1	1.956	0.3	-1.083	1.191	-47.7	1.610	BF and EF exceed limits NG
1140946.1	15338808.7	895.4	160.294	142.786	41.7	214.667	0.2	17.083	1.352	1.461	47.2	1.991	0.4	-1.086	1.193	-47.7	1.614	BF and EF exceed limits NG
1140951.1	15338808.6	896.4	164.050	146.751	41.8	220.109	0.2	17.516	1.378	1.493	47.3	2.032	0.5	-1.198	1.310	-47.6	1.776	BF and EF exceed limits NG
1140956.1	15338808.5	897.3	167.152	150.040	41.9	224.614	0.2	17.874	1.403	1.525	47.4	2.073	0.6	-1.264	1.375	-47.4	1.868	BF and EF exceed limits NG
1140961.1	15338808.4	898.1	169.329	152.356	42.0	227.782	0.2	18.126	1.427	1.557	47.5	2.112	0.6	-1.273	1.374	-47.2	1.873	BF and EF exceed limits NG
1140966.1	15338808.3	899.0	172.780	156.042	42.1	232.813	0.2	18.527	1.452	1.589	47.6	2.153	0.6	-1.367	1.465	-47.0	2.004	BF and EF exceed limits NG
1140971.1	15338808.2	900.2	177.358	160.961	42.2	239.509	0.2	19.059	1.475	1.621	47.7	2.191	0.6	-1.540	1.644	-46.9	2.252	BF and EF exceed limits NG
1140976.1	15338808.1	901.3	182.514	166.535	42.4	247.073	0.2	19.661	1.495	1.648	47.8	2.225	0.6	-1.759	1.876	-46.8	2.572	BF and EF exceed limits NG
1140981.1	15338808.0	902.4	187.395	171.847	42.5	254.260	0.2	20.233	1.510	1.668	47.8	2.250	0.6	-1.975	2.111	-46.9	2.891	BF and EF exceed limits NG
1140986.1	15338807.9	903.4	190.984	175.769	42.6	259.557	0.2	20.655	1.518	1.679	47.9	2.264	0.6	-2.134	2.288	-47.0	3.129	BF and EF exceed limits NG
1140991.1	15338807.8	903.8	190.416	175.138	42.6	258.711	0.2	20.588	1.516	1.673	47.8	2.258	0.5	-2.080	2.234	-47.0	3.052	BF and EF exceed limits NG
1140996.1	15338807.7	904.2	189.180	173.777	42.6	256.880	0.2	20.442	1.508	1.660	47.7	2.243	0.4	-2.007	2.164	-47.1	2.952	BF and EF exceed limits NG
1141001.1	15338807.6	904.1	184.697	168.874	42.4	250.262	0.2	19.915	1.493	1.636	47.6	2.215	0.3	-1.764	1.909	-47.3	2.599	BF and EF exceed limits NG
1141006.1	15338807.5	904.0	179.624	163.361	42.3	242.800	0.2	19.321	1.475	1.609	47.5	2.183	0.2	-1.491	1.623	-47.4	2.204	BF and EF exceed limits NG
1141011.1	15338807.4	903.9	174.706	158.051	42.1	235.590	0.2	18.748	1.459	1.584	47.4	2.153	0.2	-1.226	1.347	-47.7	1.822	BF and EF exceed limits NG
1141016.1	15338807.3	903.7	169.939	152.937	42.0	228.624	0.2	18.193	1.444	1.563	47.3	2.128	0.3	-0.967	1.073	-48.0	1.445	BF and EF exceed limits NG
1141021.1	15338807.2	904.0	168.157	151.029	41.9	226.023	0.2	17.986	1.436	1.553	47.2	2.115	0.4	-0.897	0.999	-48.1	1.342	BF and EF exceed limits NG
1141026.1	15338807.1	904.6	168.521	151.410	41.9	226.549	0.2	18.028	1.433	1.551	47.3	2.111	0.6	-0.969	1.070	-47.8	1.443	BF and EF exceed limits NG
1141031.1	15338807.0	905.6	171.404	154.480	42.0	230.745	0.2	18.362	1.433	1.556	47.4	2.115	0.7	-1.207	1.315	-47.5	1.784	BF and EF exceed limits NG
1141036.1	15338806.9	906.6	174.137	157.402	42.1	234.732	0.2	18.679	1.433	1.561	47.4	2.119	0.8	-1.439	1.550	-47.1	2.115	BF and EF exceed limits NG
1141041.1	15338806.8	907.4	175.743	159.120	42.2	237.075	0.2	18.866	1.429	1.561	47.5	2.116	0.9	-1.612	1.721	-46.9	2.358	BF and EF exceed limits NG
1141046.1	15338806.7	908.2	176.998	160.462	42.2	238.907	0.2	19.012	1.422	1.555	47.6	2.107	0.8	-1.780	1.888	-46.7	2.594	BF and EF exceed limits NG
1141051.1	15338806.6	909.0	178.406	161.971	42.2	240.963	0.2	19.175	1.410	1.544	47.6	2.091	0.8	-1.975	2.088	-46.6	2.875	BF and EF exceed limits NG
1141056.1	15338806.5	909.4	176.411	159.812	42.2	238.035	0.2	18.942	1.389	1.520	47.6	2.059	0.7	-1.991	2.096	-46.5	2.891	BF and EF exceed limits NG
1141061.1	15338806.4	909.8	174.897	158.175	42.1	235.814	0.2	18.766	1.365	1.489	47.5	2.020	0.5	-2.057	2.165	-46.5	2.986	BF and EF exceed limits NG
1141066.1	15338806.3	910.1	172.834	155.953	42.1	232.794	0.2	18.525	1.335	1.452	47.4	1.972	0.4	-2.111	2.226	-46.5	3.068	BF and EF exceed limits NG
1141071.1	15338806.2	909.9	167.236	149.969	41.9	224.630	0.3	17.875	1.296	1.402	47.3	1.909	0.2	-1.971	2.081	-46.6	2.866	BF and EF exceed limits NG
1141076.1	15338806.1	909.6	160.703	143.047	41.7	215.146	0.3	17.121	1.253	1.347	47.1	1.840	0.1	-1.781	1.888	-46.7	2.595	BF and EF exceed limits NG
1141081.1	15338806.0	909.0	153.110	135.085	41.4	204.183	0.3	16.248	1.207	1.287	46.8	1.765	0.1	-1.522	1.627	-46.9	2.228	BF and EF exceed limits NG
1141086.1	15338805.9	907.8	143.077	124.706	41.1	189.796	0.3	15.103	1.158	1.224	46.6	1.685	0.3	-1.085	1.181	-47.4	1.604	EF exceeds limit NG
1141091.1	15338805.8	906.4	133.011	114.457	40.7	175.478	0.3	13.964	1.110	1.162	46.3	1.607	0.5	-0.606	0.699	-49.1	0.926	EF exceeds limit NG
1141096.1	15338805.7	905.7	126.430	107.846	40.5	166.179	0.4	13.224	1.069	1.111	46.1	1.542	0.5	-0.352	0.456	-52.4	0.576	
1141101.1	15338805.6	905.2	121.762	103.201	40.3	159.613	0.4	12.702	1.034	1.068	45.9	1.486	0.3	-0.218	0.337	-57.1	0.402	
1141106.1	15338805.6	905.1	118.416	99.895	40.2	154.924	0.4	12.328	1.006	1.034	45.8	1.443	0.1	-0.162	0.294	-61.1	0.336	
1141111.1	15338805.5	905.2	116.218	97.733	40.1	151.850	0.4	12.084	0.985	1.010	45.7	1.410	0.1	-0.171	0.312	-61.3	0.355	
1141116.1	15338805.4	905.4	114.379	95.930	40.0	149.282	0.4	11.880	0.969	0.993	45.7	1.387	0.3	-0.180	0.324	-61.0	0.370	
1141121.1	15338805.3	905.9	113.400	94.970	39.9	147.915	0.4	11.771	0.959	0.983	45.7	1.374	0.4	-0.232	0.376	-58.3	0.442	
1141126.1	15338805.2	906.5	112.931	94.509	39.9	147.260	0.4	11.719	0.954	0.979	45.7	1.367	0.5	-0.301	0.442	-55.8	0.535	
1141131.1	15338805.1	907.3	112.925	94.499	39.9	147.248	0.5	11.718	0.951	0.978	45.8	1.364	0.5	-0.387	0.523	-53.5	0.650	
1141136.1	15338805.0	908.2	113.521	95.076	39.9	148.076	0.5	11.784	0.952	0.980	45.8	1.366	0.5	-0.503	0.635	-51.6	0.810	
1141141.1	15338804.9	909.1	114.090	95.627	40.0	148.866	0.5	11.846	0.954	0.983	45.9	1.370	0.5	-0.603	0.729	-50.4	0.946	
1141146.1	15338804.8	909.9	114.034	95.570	40.0	148.786	0.5	11.840	0.955	0.986	45.9	1.373	0.5	-0.642	0.762	-49.9	0.996	
1141151.1	15338804.7	910.7	114.343	95.868	40.0	149.215	0.5	11.874	0.957	0.989	45.9	1.376	0.5	-0.702	0.817	-49.3	1.077	
1141156.1	15338804.6	911.6	114.705	96.220	40.0	149.719	0.5	11.914	0.960	0.991	45.9	1.380	0.5	-0.762	0.872	-48.8	1.158	
1141161.1	15338804.5	912.5	114.893	96.402	40.0	149.979	0.5	11.935	0.961	0.993	45.9	1.382	0.4	-0.805	0.911	-48.5	1.216	
1141166.1	15338804.4	913.3	115.019	96.525	40.0	150.154	0.5	11.949	0.962	0.994	45.9	1.383	0.4	-0.843	0.945	-48.3	1.266	
1141171.1	15338804.3	914.2	115.056	96.563	40.0	150.207	0.5	11.953	0.962	0.994	45.9	1.383	0.4	-0.874	0.973	-48.1	1.308	
1141176.1	15338804.2	914.9	114.769	96.285	40.0	149.809	0.6	11.921	0.961	0.992	45.9	1.381	0.3	-0.880	0.978	-48.0	1.316	

1141181.1	15338804.1	915.7	114.473	96.001	40.0	149.400	0.6	11.889	0.960	0.990	45.9	1.378	0.3	-0.889	0.985	-47.9	1.327
1141186.0	15338804.0	916.5	114.260	95.801	40.0	149.108	0.6	11.866	0.957	0.986	45.9	1.375	0.3	-0.908	1.003	-47.8	1.353
1141191.0	15338803.9	917.1	113.553	95.122	40.0	148.130	0.6	11.788	0.954	0.982	45.8	1.369	0.3	-0.891	0.984	-47.8	1.328
1141196.0	15338803.8	917.7	112.511	94.121	39.9	146.688	0.6	11.673	0.950	0.976	45.8	1.362	0.3	-0.852	0.942	-47.9	1.270
1141201.0	15338803.7	918.3	111.465	93.123	39.9	145.246	0.7	11.558	0.945	0.970	45.7	1.354	0.3	-0.816	0.904	-47.9	1.218
1141206.0	15338803.6	918.9	110.497	92.206	39.8	143.915	0.7	11.452	0.940	0.964	45.7	1.346	0.3	-0.790	0.877	-48.0	1.180
1141211.0	15338803.5	919.6	109.656	91.419	39.8	142.765	0.7	11.361	0.934	0.957	45.7	1.338	0.3	-0.781	0.865	-47.9	1.166
1141216.0	15338803.4	920.3	108.931	90.751	39.8	141.781	0.7	11.283	0.928	0.950	45.7	1.329	0.3	-0.788	0.869	-47.8	1.173
1141221.0	15338803.3	921.0	108.178	90.064	39.8	140.762	0.8	11.202	0.922	0.943	45.7	1.319	0.3	-0.800	0.877	-47.7	1.187
1141226.0	15338803.2	921.6	107.241	89.207	39.8	139.494	0.8	11.101	0.914	0.934	45.6	1.307	0.3	-0.804	0.878	-47.5	1.190
1141231.0	15338803.1	922.6	107.295	89.314	39.8	139.604	0.8	11.109	0.906	0.926	45.6	1.295	0.4	-0.899	0.972	-47.2	1.324
1141236.0	15338803.0	923.6	107.274	89.359	39.8	139.617	0.8	11.110	0.897	0.916	45.6	1.282	0.4	-0.998	1.069	-47.0	1.463
1141241.0	15338802.9	924.3	106.457	88.650	39.8	138.535	0.9	11.024	0.886	0.904	45.6	1.265	0.4	-1.042	1.111	-46.8	1.523
1141246.0	15338802.8	924.9	104.940	87.282	39.8	136.494	0.9	10.862	0.872	0.889	45.5	1.245	0.3	-1.040	1.106	-46.8	1.518
1141251.0	15338802.7	925.2	102.498	85.041	39.7	133.184	1.0	10.598	0.856	0.871	45.5	1.222	0.3	-0.973	1.036	-46.8	1.421
1141256.0	15338802.6	925.7	100.564	83.304	39.6	130.586	1.0	10.392	0.840	0.853	45.4	1.197	0.3	-0.960	1.022	-46.8	1.402
1141261.0	15338802.5	926.2	98.765	81.709	39.6	128.184	1.1	10.201	0.822	0.833	45.4	1.170	0.2	-0.972	1.033	-46.8	1.418
1141266.0	15338802.4	926.8	96.865	80.027	39.6	125.647	1.2	9.999	0.803	0.811	45.3	1.141	0.2	-0.988	1.050	-46.7	1.441
1141271.0	15338802.3	927.2	94.572	77.977	39.5	122.573	1.3	9.754	0.782	0.787	45.2	1.109	0.2	-0.985	1.047	-46.8	1.437
1141276.0	15338802.2	927.1	90.730	74.453	39.4	117.368	1.4	9.340	0.758	0.759	45.1	1.073	0.2	-0.864	0.926	-47.0	1.266
1141281.0	15338802.1	927.4	87.793	71.779	39.3	113.402	1.5	9.024	0.734	0.732	44.9	1.036	0.2	-0.832	0.895	-47.1	1.222
1141286.0	15338802.0	927.4	84.006	68.280	39.1	108.255	1.7	8.615	0.708	0.702	44.7	0.997	0.2	-0.738	0.802	-47.4	1.090
1141291.0	15338801.9	927.4	80.300	64.826	38.9	103.201	1.8	8.212	0.682	0.671	44.5	0.957	0.2	-0.660	0.725	-47.7	0.980
1141296.0	15338801.8	927.4	76.552	61.292	38.7	98.065	2.0	7.804	0.656	0.640	44.3	0.916	0.2	-0.584	0.651	-48.1	0.875
1141301.0	15338801.7	927.4	72.833	57.737	38.4	92.942	2.3	7.396	0.630	0.609	44.0	0.876	0.2	-0.514	0.582	-48.5	0.777
1141306.0	15338801.6	927.4	69.258	54.269	38.1	87.988	2.6	7.002	0.605	0.578	43.7	0.837	0.3	-0.454	0.523	-49.0	0.693
1141311.0	15338801.5	927.5	65.916	50.976	37.7	83.328	2.9	6.631	0.581	0.550	43.4	0.800	0.3	-0.406	0.475	-49.4	0.625
1141316.0	15338801.4	927.9	63.396	48.394	37.4	79.756	3.3	6.347	0.561	0.524	43.1	0.768	0.5	-0.430	0.493	-48.9	0.654
1141321.0	15338801.3	928.4	61.162	46.060	37.0	76.566	3.7	6.093	0.544	0.502	42.7	0.740	0.5	-0.456	0.513	-48.3	0.686
1141326.0	15338801.2	928.6	58.946	43.795	36.6	73.435	4.2	5.844	0.530	0.485	42.5	0.718	0.5	-0.436	0.489	-48.3	0.655
1141331.0	15338801.1	929.0	57.504	42.291	36.3	71.380	4.7	5.680	0.521	0.473	42.2	0.704	0.5	-0.449	0.495	-47.8	0.668
1141336.0	15338801.0	929.6	56.969	41.684	36.2	70.590	5.3	5.617	0.517	0.468	42.1	0.697	0.4	-0.504	0.542	-47.1	0.740

Max EF along centerline is 2.264 (kV/m) at 1380.000 (ft) from structure 111

Cross section results at max EF along centerline between structures 111 and 112


MAGNETIC FIELD VS. OFFSET RELATIVE TO LINE BETWEEN ST
1380 (FT) AHEAD OF STRUCTURE 111
MAGNETIC FIELD (MG)
260
240
220
200
180
160
140
120
100
80
60
40
20
-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140
OFFSET (FT)



3D EMF Point Results Span from 111 to 112:

Measurement			B					H	EF					Space Potential			
X (ft)	Y (ft)	Z (ft)	Real (mG)	Imaginary (mG)	Angle (deg)	Magnitude (mG)	Polarization Axial Ratio %	Magnitude (A/m)	Real (kV/m)	Imaginary (kV/m)	Angle (deg)	Magnitude (kV/m)	Polarization Axial Ratio %	Real (kV)	Imaginary (kV)	Angle (deg)	Magnitude (kV)
1140988.6	15338937.9	889.3	22.532	14.484	32.7	26.786	6.1	2.132	0.078	0.041	27.6	0.088	1.3	-0.191	0.100	-27.6	0.215
1140988.5	15338932.9	889.7	24.018	15.503	32.8	28.586	6.3	2.275	0.079	0.042	28.0	0.090	1.4	-0.183	0.097	-28.1	0.207
1140988.4	15338927.9	890.1	25.638	16.625	33.0	30.557	6.6	2.432	0.080	0.044	28.5	0.091	1.5	-0.174	0.095	-28.6	0.198
1140988.3	15338922.9	890.6	27.415	17.868	33.1	32.724	6.8	2.604	0.081	0.045	29.1	0.092	1.6	-0.164	0.092	-29.3	0.188
1140988.2	15338917.9	891.0	29.372	19.250	33.2	35.118	7.1	2.795	0.081	0.046	29.7	0.093	1.8	-0.152	0.088	-30.1	0.175
1140988.1	15338912.9	891.2	31.469	20.757	33.4	37.699	7.4	3.000	0.079	0.047	30.5	0.092	2.1	-0.143	0.086	-31.0	0.167
1140988.0	15338907.9	891.4	33.770	22.433	33.6	40.542	7.6	3.226	0.077	0.047	31.4	0.090	2.5	-0.132	0.083	-32.2	0.156
1140987.9	15338902.9	891.7	36.351	24.334	33.8	43.744	7.9	3.481	0.073	0.046	32.4	0.086	2.9	-0.114	0.076	-33.7	0.138
1140987.9	15338897.9	892.6	39.414	26.596	34.0	47.548	8.2	3.784	0.066	0.044	33.9	0.079	3.4	-0.083	0.061	-36.1	0.103
1140987.8	15338892.9	893.5	42.841	29.170	34.3	51.829	8.5	4.124	0.056	0.041	35.8	0.070	4.4	-0.052	0.044	-40.2	0.068
1140987.7	15338887.9	894.3	46.674	32.102	34.5	56.649	8.7	4.508	0.043	0.035	38.9	0.056	6.6	-0.023	0.027	-50.6	0.036
1140987.6	15338882.9	895.1	50.994	35.471	34.8	62.118	9.0	4.943	0.027	0.026	44.6	0.037	14.1	0.005	0.011	65.6	0.012
1140987.5	15338877.9	895.9	55.832	39.331	35.2	68.295	9.3	5.435	0.015	0.014	44.3	0.021	62.1	0.027	-0.004	-8.8	0.028
1140987.4	15338872.9	896.6	61.277	43.780	35.5	75.310	9.5	5.993	0.037	0.012	17.1	0.039	12.8	0.043	-0.016	-20.7	0.046
1140987.3	15338867.9	897.3	67.445	48.950	36.0	83.336	9.7	6.632	0.078	0.036	24.9	0.085	2.7	0.047	-0.022	-25.3	0.052
1140987.2	15338862.9	898.0	74.434	54.972	36.4	92.532	9.9	7.363	0.130	0.073	29.3	0.150	0.9	0.035	-0.018	-27.5	0.039
1140987.1	15338857.9	898.6	82.213	61.894	37.0	102.907	9.9	8.189	0.198	0.125	32.3	0.234	0.4	0.005	-0.001	-10.3	0.005
1140987.0	15338852.9	899.3	91.051	70.002	37.6	114.850	9.9	9.139	0.283	0.196	34.8	0.344	0.4	-0.056	0.040	-35.9	0.069
1140986.9	15338847.9	899.9	101.094	79.514	38.2	128.617	9.8	10.235	0.387	0.291	37.0	0.484	0.7	-0.158	0.119	-36.9	0.198
1140986.8	15338842.9	900.5	112.111	90.332	38.9	143.975	9.4	11.457	0.513	0.416	39.0	0.660	1.0	-0.297	0.236	-38.5	0.379
1140986.7	15338837.9	901.3	125.144	103.486	39.6	162.389	9.0	12.923	0.662	0.574	40.9	0.877	1.4	-0.538	0.456	-40.3	0.706
1140986.6	15338832.9	902.1	139.849	118.811	40.4	183.504	8.3	14.603	0.832	0.769	42.8	1.134	1.7	-0.877	0.791	-42.0	1.181

1140986.5	**15338827.9**	**902.3**	**153.024**	**133.155**	**41.0**	**202.846**	**7.2**	**16.142**	**1.015**	**0.994**	**44.4**	**1.421**	**1.7**	**-1.140**	**1.085**	**-43.6**	**1.574**	**BF exceeds limit NG**
1140986.4	**15338822.9**	**902.6**	**165.794**	**147.373**	**41.6**	**221.825**	**5.8**	**17.652**	**1.197**	**1.232**	**45.8**	**1.718**	**1.5**	**-1.419**	**1.415**	**-44.9**	**2.004**	**BF and EF exceed limits NG**
1140986.3	**15338817.9**	**902.8**	**177.400**	**160.471**	**42.1**	**239.210**	**4.1**	**19.036**	**1.359**	**1.453**	**46.9**	**1.989**	**1.2**	**-1.707**	**1.768**	**-46.0**	**2.458**	**BF and EF exceed limits NG**
1140986.2	**15338812.9**	**903.2**	**186.902**	**171.218**	**42.5**	**253.472**	**2.2**	**20.171**	**1.475**	**1.616**	**47.6**	**2.188**	**0.8**	**-1.996**	**2.119**	**-46.7**	**2.911**	**BF and EF exceed limits NG**
1140986.1	**15338807.9**	**903.4**	**190.984**	**175.769**	**42.6**	**259.557**	**0.2**	**20.655**	**1.518**	**1.679**	**47.9**	**2.264**	**0.6**	**-2.134**	**2.288**	**-47.0**	**3.129**	**BF and EF exceed limits NG**
1140986.0	**15338802.9**	**903.5**	**189.790**	**174.141**	**42.5**	**257.576**	**1.9**	**20.497**	**1.481**	**1.625**	**47.7**	**2.199**	**0.9**	**-2.150**	**2.289**	**-46.8**	**3.141**	**BF and EF exceed limits NG**
1140985.9	**15338797.9**	**903.7**	**183.766**	**166.879**	**42.2**	**248.230**	**3.9**	**19.754**	**1.371**	**1.470**	**47.0**	**2.010**	**1.4**	**-2.054**	**2.139**	**-46.2**	**2.966**	**BF and EF exceed limits NG**
1140985.8	**15338792.9**	**903.7**	**173.202**	**154.538**	**41.7**	**232.123**	**5.7**	**18.472**	**1.211**	**1.250**	**45.9**	**1.740**	**1.9**	**-1.823**	**1.832**	**-45.1**	**2.584**	**BF and EF exceed limits NG**
1140985.7	**15338787.9**	**903.7**	**160.711**	**140.227**	**41.1**	**213.287**	**7.2**	**16.973**	**1.028**	**1.010**	**44.5**	**1.441**	**2.4**	**-1.556**	**1.493**	**-43.8**	**2.157**	**BF exceeds limit NG**
1140985.6	15338782.9	903.6	146.925	124.899	40.4	192.839	8.4	15.346	0.843	0.782	42.8	1.150	2.6	-1.252	1.137	-42.2	1.691	
1140985.5	15338777.9	903.3	132.994	109.938	39.6	172.551	9.3	13.731	0.672	0.585	41.0	0.891	2.7	-0.948	0.811	-40.5	1.247	
1140985.4	15338772.9	903.0	119.973	96.436	38.8	153.927	9.9	12.249	0.522	0.424	39.1	0.672	2.7	-0.688	0.553	-38.8	0.883	
1140985.3	15338767.9	903.1	109.241	85.534	38.1	138.743	10.4	11.041	0.395	0.299	37.1	0.495	3.0	-0.531	0.399	-36.9	0.665	
1140985.2	15338762.9	903.2	99.241	75.756	37.4	124.851	10.8	9.935	0.290	0.203	35.0	0.354	3.4	-0.390	0.272	-34.9	0.475	
1140985.1	15338757.9	903.1	89.906	66.994	36.7	112.122	10.9	8.922	0.205	0.132	32.7	0.244	4.0	-0.261	0.168	-32.7	0.310	
1140985.0	15338752.9	903.0	81.492	59.382	36.1	100.832	10.9	8.024	0.138	0.080	30.1	0.159	5.2	-0.158	0.091	-29.8	0.183	
1140984.9	15338747.9	902.5	73.652	52.581	35.5	90.495	10.8	7.201	0.085	0.043	26.7	0.095	8.1	-0.073	0.034	-24.8	0.080	
1140984.8	15338742.9	902.2	66.861	46.855	35.0	81.644	10.6	6.497	0.045	0.020	23.8	0.049	18.8	-0.015	-0.002	7.4	0.015	
1140984.7	15338737.9	901.9	60.880	41.950	34.6	73.934	10.4	5.883	0.022	0.018	38.7	0.028	43.8	0.024	-0.024	-45.3	0.033	
1140984.6	15338732.9	901.3	55.437	37.627	34.2	67.000	10.2	5.332	0.027	0.026	44.7	0.037	14.5	0.047	-0.035	-36.3	0.058	
1140984.5	15338727.9	900.6	50.548	33.846	33.8	60.833	9.9	4.841	0.041	0.034	39.7	0.053	4.7	0.056	-0.036	-32.8	0.067	
1140984.4	15338722.9	900.2	46.380	30.672	33.5	55.605	9.7	4.425	0.054	0.040	36.4	0.067	2.2	0.060	-0.036	-31.0	0.070	
1140984.3	15338717.9	899.8	42.671	27.902	33.2	50.983	9.5	4.057	0.063	0.043	34.3	0.077	1.3	0.058	-0.033	-29.5	0.067	
1140984.2	15338712.9	899.6	39.406	25.502	32.9	46.938	9.3	3.735	0.070	0.045	32.8	0.084	0.8	0.056	-0.030	-28.5	0.064	
1140984.1	15338707.9	899.7	36.587	23.449	32.7	43.457	9.2	3.458	0.075	0.046	31.7	0.088	0.7	0.060	-0.032	-28.2	0.068	
1140984.0	15338702.9	900.1	34.092	21.654	32.4	40.388	9.0	3.214	0.078	0.046	30.8	0.090	0.6	0.070	-0.037	-28.0	0.079	
1140983.9	15338697.9	900.4	31.812	20.040	32.2	37.598	8.9	2.992	0.079	0.046	30.0	0.092	0.6	0.079	-0.041	-27.8	0.089	
1140983.8	15338692.9	900.7	29.722	18.583	32.0	35.053	8.7	2.789	0.080	0.045	29.3	0.092	0.6	0.086	-0.045	-27.5	0.097	
1140983.7	15338687.9	900.9	27.786	17.254	31.8	32.707	8.6	2.603	0.079	0.044	28.7	0.091	0.5	0.089	-0.046	-27.1	0.100	
1140983.6	15338682.9	901.0	26.004	16.048	31.7	30.557	8.5	2.432	0.079	0.042	28.2	0.089	0.5	0.089	-0.045	-26.7	0.100	
1140983.5	15338677.9	901.0	24.365	14.951	31.5	28.587	8.3	2.275	0.077	0.041	27.8	0.087	0.4	0.087	-0.043	-26.3	0.097	

Critical Energy/Electric Infrastructure Information (CEII) Has Been Redacted From This Document

PLS-CADD Version 20.01x64 10:41:05 AM Thursday, February 27, 2025
Quanta Services - Dashiell
Project Name: 'C:\projects\L72\5269-T0072-700 REV 0-0G PLS CADD MODEL.don'
Line Title: 'L72 New Analyses per Comments - TOWERS ACCR BITTERN'

3D EMF Calculation Notes:
1) Calculations based on the EPRI Red Book methods (3rd Edition, 2005 - 7.4 Calculation of Magnetic Fields and Appendices 7.1 Calculation of Field Ellipse Parameters and 7.6 Electric Field Calculations for 3D Geometry).
2) All wire positions are modeled at the specified weather case and wind direction. Height above ground determined by the modeled ground TIN.
3) Only the effects of wires are being analyzed. The effects of structures are not included unless enabled as noted below.
4) Ground return is being ignored for magnetic field calculations.

Meter height above ground:	3.28 (ft)
Maximum wire distance:	500.00 (ft)
Maximum cable segment size:	5.00 (ft)
Cross section offset +/-:	175.00 (ft)
Result interval:	5.00 (ft)
Electric field limit:	1.60 (kV/m)
Magnetic field limit:	200.00 (mG)
Space potential limit:	0.00 (kV)
Contour Map Spacing:	15 (ft)
Analyzing spans between these structures:	124 - 125

Section Data for 3D EMF Results:

Section Number	Section Note	Voltage Ph-Ph (kV)	Current (Amps)	Cable Filename	Cable Description	Conductors Per Phase	Bundle Diameter (in)	Cable Radius (in)	Weather Case	Condition	Wind Dir.	WC Temperature (deg F)	Effective Radius (in)
22		0.0	0.0	7no_7_alumoweld - 4950.wir	7#7 Alumoweld 7 Strands Alumoweld - Adapted from 1970's Publicly Available Data	1	0.000	0.216	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.216
64		0.0	0.0	TF-DNO-11467 - 5700.wir	AFL OPGW DNO-11467 S4-53/61/583	1	0.000	0.291	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.291
97		230.0	[redacted]	bluebird_acsr - 16000.wir 2156 kcmil 84/19 Strands BLUEBIRD ACSR - Adapted from 1970's Publicly Available Data		1	0.000	0.881	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.881

Centerline results between structures 124 and 125

3D EMF Point Results Centerline from 124 to 125:

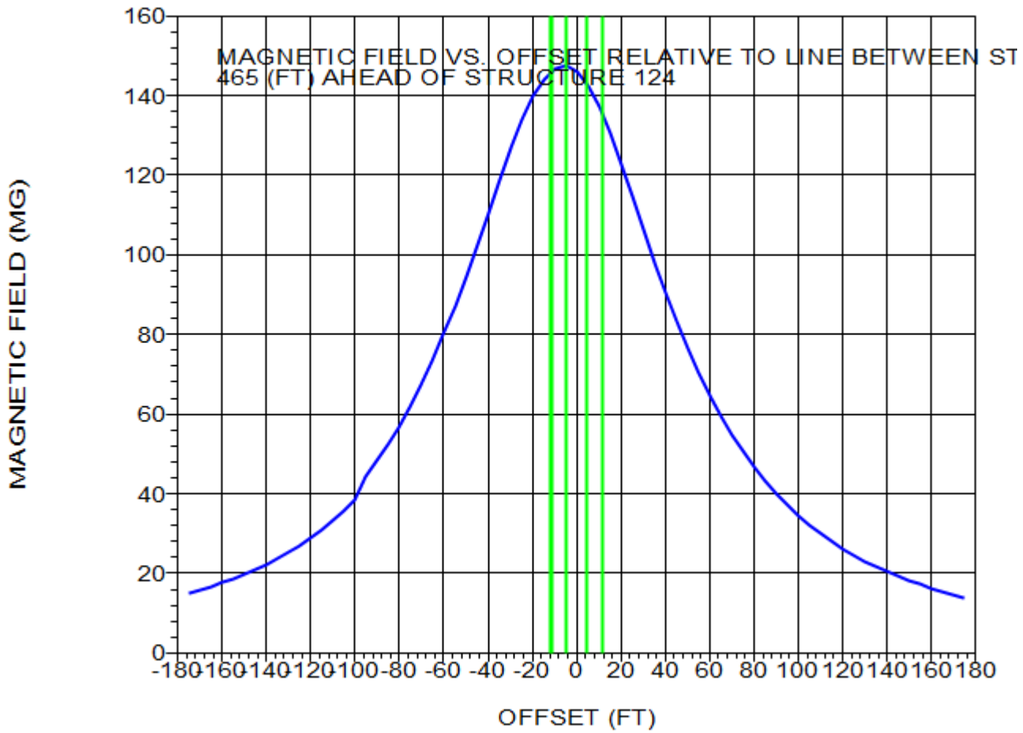
Measurement X (ft)	Measurement Y (ft)	Measurement Z (ft)	B Real (mG)	B Imaginary (mG)	B Angle (deg)	B Magnitude (mG)	B Polarization Axial Ratio %	H Magnitude (A/m)	EF Real (kV/m)	EF Imaginary (kV/m)	EF Angle (deg)	EF Magnitude (kV/m)	EF Polarization Axial Ratio %	Space Potential Real (kV)	Space Potential Imaginary (kV)	Space Potential Angle (deg)	Space Potential Magnitude (kV)
1151089.5	15335838.9	1100.6	38.894	57.146	55.8	69.125	68.0	5.501	0.365	0.245	33.9	0.439	7.5	-0.540	-0.417	37.7	0.682
1151093.8	15335836.2	1101.0	38.934	57.195	55.8	69.189	68.0	5.506	0.368	0.247	33.9	0.443	7.1	-0.519	-0.432	39.7	0.675
1151098.0	15335833.6	1102.1	39.674	58.470	55.8	70.659	67.8	5.623	0.372	0.251	34.0	0.449	8.5	-0.595	-0.381	32.6	0.706
1151102.3	15335831.0	1102.9	40.182	59.373	55.9	71.692	67.6	5.705	0.378	0.255	34.0	0.456	9.1	-0.629	-0.355	29.4	0.723
1151106.5	15335828.3	1103.7	40.839	60.565	56.0	73.047	67.4	5.813	0.383	0.259	34.1	0.463	10.0	-0.680	-0.318	25.1	0.750
1151110.8	15335825.7	1104.4	41.402	61.621	56.1	74.238	67.1	5.908	0.389	0.264	34.1	0.471	10.5	-0.711	-0.291	22.3	0.769
1151115.0	15335823.1	1104.9	41.973	62.715	56.2	75.465	66.9	6.005	0.396	0.269	34.2	0.479	11.0	-0.740	-0.266	19.7	0.786
1151119.3	15335820.4	1105.5	42.611	63.951	56.3	76.847	66.6	6.115	0.403	0.274	34.2	0.487	11.6	-0.773	-0.235	16.9	0.808
1151123.5	15335817.8	1105.9	43.133	64.996	56.4	78.005	66.3	6.207	0.410	0.279	34.2	0.496	11.8	-0.788	-0.215	15.3	0.817
1151127.8	15335815.2	1106.4	43.861	66.425	56.6	79.599	66.0	6.334	0.418	0.284	34.2	0.505	12.5	-0.828	-0.177	12.1	0.847
1151132.0	15335812.5	1106.7	44.397	67.518	56.7	80.808	65.7	6.430	0.425	0.288	34.2	0.513	12.7	-0.841	-0.156	10.5	0.855
1151136.3	15335809.9	1107.0	45.025	68.783	56.8	82.209	65.5	6.542	0.432	0.293	34.1	0.522	13.1	-0.865	-0.127	8.4	0.874
1151140.5	15335807.3	1107.3	45.698	70.137	56.9	83.711	65.2	6.661	0.439	0.297	34.1	0.530	13.5	-0.894	-0.093	6.0	0.899
1151144.8	15335804.6	1107.6	46.414	71.573	57.0	85.306	64.8	6.788	0.445	0.302	34.1	0.538	14.1	-0.930	-0.055	3.4	0.931
1151149.0	15335802.0	1107.4	46.678	72.165	57.1	85.945	64.7	6.839	0.451	0.304	34.0	0.544	13.7	-0.907	-0.055	3.5	0.908
1151153.3	15335799.4	1107.1	46.732	72.354	57.1	86.133	64.6	6.854	0.456	0.305	33.8	0.549	12.9	-0.857	-0.072	4.8	0.860
1151157.5	15335796.7	1107.1	47.203	73.321	57.2	87.201	64.4	6.939	0.461	0.308	33.7	0.554	13.0	-0.865	-0.052	3.4	0.866
1151161.8	15335794.1	1106.9	47.524	74.000	57.3	87.946	64.2	6.999	0.466	0.310	33.6	0.559	12.8	-0.855	-0.043	2.9	0.856
1151166.0	15335791.5	1106.6	47.615	74.236	57.3	88.194	64.1	7.018	0.469	0.310	33.5	0.563	12.1	-0.817	-0.053	3.7	0.819
1151170.3	15335788.8	1106.0	47.549	74.166	57.3	88.100	64.1	7.011	0.473	0.310	33.3	0.565	11.2	-0.760	-0.076	5.7	0.764
1151174.5	15335786.2	1105.5	47.459	74.044	57.3	87.948	64.1	6.999	0.475	0.310	33.1	0.568	10.2	-0.703	-0.101	8.2	0.710
1151178.8	15335783.6	1105.0	47.371	73.920	57.3	87.796	64.1	6.987	0.478	0.310	33.0	0.570	9.2	-0.647	-0.126	11.0	0.659
1151183.0	15335780.9	1104.6	47.425	74.058	57.4	87.941	64.0	6.998	0.481	0.311	32.9	0.572	8.6	-0.612	-0.139	12.8	0.627
1151187.3	15335778.3	1104.3	47.622	74.465	57.4	88.391	64.0	7.034	0.483	0.312	32.9	0.575	8.2	-0.597	-0.141	13.3	0.614

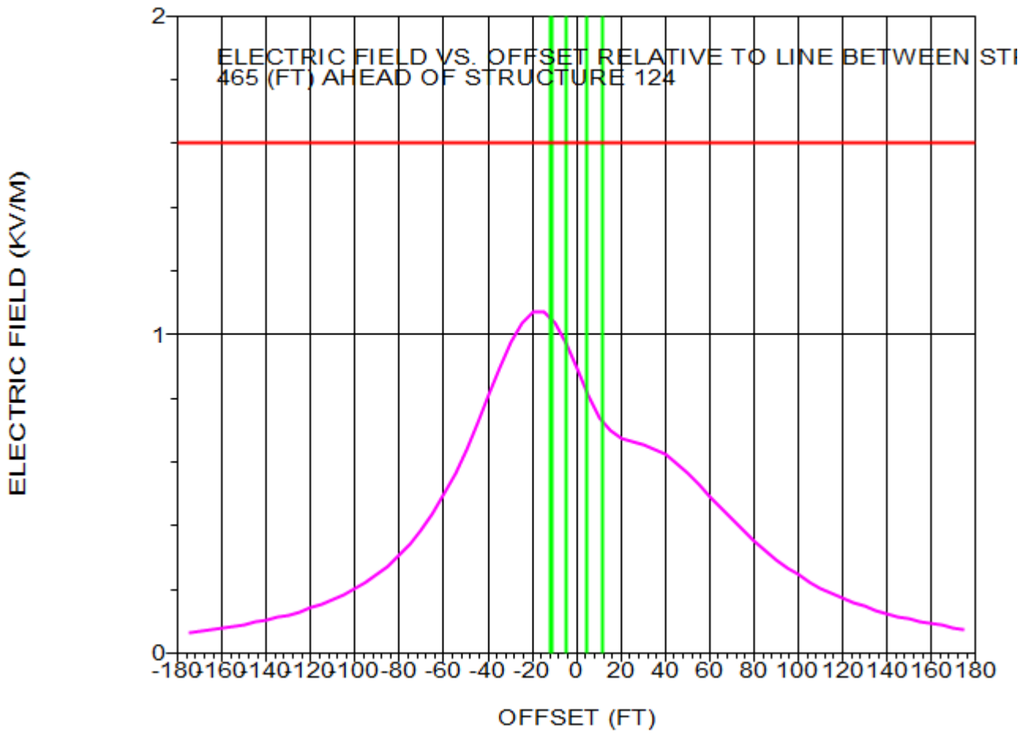
1151191.5	15335775.7	1104.0	47.824	74.876	57.4	88.846	63.9	7.070	0.486	0.313	32.8	0.578	7.9	-0.584	-0.145	13.9	0.602
1151195.8	15335773.0	1103.7	47.998	75.230	57.5	89.238	63.8	7.101	0.488	0.315	32.9	0.581	7.6	-0.568	-0.153	15.0	0.589
1151200.0	15335770.4	1103.4	48.168	75.573	57.5	89.619	63.7	7.132	0.490	0.317	32.9	0.584	7.2	-0.552	-0.163	16.4	0.576
1151204.3	15335767.8	1103.3	48.462	76.152	57.5	90.264	63.6	7.183	0.493	0.320	33.0	0.588	7.1	-0.552	-0.165	16.6	0.577
1151208.5	15335765.1	1103.2	48.906	77.016	57.6	91.232	63.5	7.260	0.496	0.323	33.1	0.592	7.3	-0.572	-0.156	15.3	0.593
1151212.8	15335762.5	1103.2	49.392	77.962	57.6	92.291	63.3	7.344	0.499	0.327	33.2	0.596	7.6	-0.597	-0.147	13.8	0.615
1151217.0	15335759.9	1103.2	49.778	78.713	57.7	93.132	63.2	7.411	0.502	0.330	33.3	0.601	7.7	-0.607	-0.147	13.6	0.625
1151221.3	15335757.2	1103.0	50.076	79.296	57.7	93.785	63.1	7.463	0.505	0.334	33.5	0.606	7.6	-0.606	-0.157	14.5	0.626
1151225.5	15335754.6	1102.9	50.454	80.032	57.8	94.609	63.0	7.529	0.509	0.338	33.6	0.611	7.6	-0.614	-0.161	14.7	0.635
1151229.8	15335752.0	1102.9	50.869	80.840	57.8	95.513	62.9	7.601	0.512	0.342	33.7	0.616	7.6	-0.626	-0.164	14.7	0.647
1151234.0	15335749.3	1102.8	51.316	81.712	57.9	96.489	62.8	7.678	0.516	0.346	33.9	0.621	7.8	-0.641	-0.165	14.4	0.662
1151238.3	15335746.7	1102.8	51.764	82.585	57.9	97.467	62.7	7.756	0.520	0.351	34.0	0.627	7.9	-0.655	-0.166	14.2	0.676
1151242.5	15335744.1	1102.8	52.207	83.451	58.0	98.436	62.5	7.833	0.524	0.355	34.1	0.632	8.0	-0.668	-0.168	14.1	0.689
1151246.8	15335741.4	1102.8	52.309	84.462	58.2	99.348	61.9	7.906	0.527	0.358	34.2	0.637	8.0	-0.675	-0.176	14.6	0.698
1151251.0	15335738.8	1102.8	52.782	85.404	58.3	100.398	61.8	7.989	0.531	0.362	34.3	0.643	8.2	-0.690	-0.175	14.2	0.712
1151255.3	15335736.2	1102.8	53.218	86.274	58.3	101.367	61.7	8.067	0.535	0.366	34.4	0.648	8.2	-0.699	-0.178	14.3	0.722
1151259.5	15335733.5	1102.8	53.648	87.134	58.4	102.325	61.6	8.143	0.539	0.370	34.5	0.654	8.2	-0.707	-0.180	14.3	0.730
1151263.8	15335730.9	1102.8	54.072	87.984	58.4	103.271	61.4	8.218	0.544	0.374	34.6	0.660	8.3	-0.713	-0.183	14.4	0.736
1151268.0	15335728.3	1102.8	54.514	88.872	58.5	104.259	61.3	8.297	0.548	0.378	34.6	0.666	8.3	-0.721	-0.184	14.3	0.744
1151272.3	15335725.6	1102.8	54.938	89.728	58.5	105.211	61.2	8.372	0.552	0.382	34.7	0.672	8.3	-0.726	-0.185	14.3	0.749
1151276.5	15335723.0	1102.8	55.346	90.550	58.6	106.125	61.1	8.445	0.557	0.386	34.7	0.677	8.3	-0.728	-0.187	14.4	0.752
1151280.8	15335720.4	1102.8	55.747	91.361	58.6	107.026	61.0	8.517	0.562	0.389	34.7	0.683	8.2	-0.729	-0.188	14.5	0.753
1151285.0	15335717.7	1102.8	56.139	92.157	58.7	107.910	60.9	8.587	0.566	0.392	34.7	0.689	8.2	-0.728	-0.189	14.6	0.753
1151289.3	15335715.1	1102.8	56.632	93.158	58.7	109.021	60.8	8.676	0.571	0.395	34.7	0.694	8.3	-0.740	-0.181	13.7	0.762
1151293.5	15335712.5	1103.0	57.191	94.299	58.8	110.287	60.6	8.776	0.575	0.399	34.7	0.700	8.6	-0.759	-0.166	12.3	0.777
1151297.8	15335709.8	1103.1	57.806	95.557	58.8	111.681	60.5	8.887	0.580	0.402	34.7	0.706	9.0	-0.785	-0.146	10.5	0.798
1151302.0	15335707.2	1103.2	58.329	96.631	58.9	112.871	60.3	8.982	0.585	0.405	34.7	0.711	9.2	-0.800	-0.132	9.3	0.810
1151306.3	15335704.6	1103.3	58.845	97.694	58.9	114.048	60.2	9.076	0.589	0.408	34.7	0.717	9.4	-0.814	-0.117	8.2	0.822
1151310.5	15335701.9	1103.3	59.154	98.333	59.0	114.755	60.1	9.132	0.593	0.410	34.6	0.721	9.2	-0.803	-0.119	8.4	0.812
1151314.8	15335699.3	1103.2	59.373	98.786	59.0	115.255	60.1	9.172	0.597	0.411	34.6	0.725	8.9	-0.783	-0.126	9.2	0.793
1151319.0	15335696.7	1103.2	59.709	99.483	59.0	116.026	60.0	9.233	0.602	0.413	34.5	0.730	8.8	-0.777	-0.125	9.1	0.787
1151323.3	15335694.0	1103.3	60.160	100.421	59.1	117.062	59.9	9.316	0.606	0.416	34.5	0.735	8.9	-0.784	-0.114	8.3	0.792
1151327.5	15335691.4	1103.4	60.613	101.364	59.1	118.104	59.7	9.398	0.610	0.418	34.4	0.740	9.0	-0.791	-0.103	7.4	0.798
1151331.8	15335688.8	1103.5	61.022	102.218	59.2	119.047	59.6	9.473	0.614	0.421	34.4	0.744	9.0	-0.794	-0.097	7.0	0.800
1151336.0	15335686.1	1103.6	61.444	103.102	59.2	120.022	59.5	9.551	0.618	0.423	34.4	0.749	9.0	-0.798	-0.090	6.5	0.803
1151340.3	15335683.5	1103.7	61.855	103.966	59.2	120.975	59.4	9.627	0.623	0.426	34.4	0.755	9.1	-0.800	-0.086	6.1	0.805
1151344.5	15335680.9	1103.8	62.254	104.809	59.3	121.904	59.3	9.701	0.627	0.429	34.4	0.760	9.0	-0.801	-0.083	5.9	0.806
1151348.8	15335678.2	1103.8	62.630	105.602	59.3	122.778	59.2	9.770	0.631	0.432	34.4	0.765	9.0	-0.800	-0.084	6.0	0.804
1151353.0	15335675.6	1103.9	62.954	106.290	59.4	123.535	59.2	9.831	0.636	0.436	34.4	0.771	8.8	-0.792	-0.089	6.4	0.797
1151357.3	15335673.0	1103.9	63.133	106.670	59.4	123.952	59.1	9.864	0.640	0.439	34.4	0.776	8.4	-0.767	-0.108	8.0	0.775
1151361.5	15335670.3	1104.0	63.559	107.576	59.4	124.949	59.0	9.943	0.644	0.443	34.5	0.782	8.5	-0.771	-0.108	8.0	0.778
1151365.8	15335667.7	1104.1	63.973	108.459	59.5	125.921	58.9	10.020	0.649	0.447	34.5	0.788	8.5	-0.773	-0.110	8.1	0.781
1151370.0	15335665.1	1104.4	64.676	109.962	59.5	127.572	58.7	10.152	0.654	0.452	34.6	0.795	9.0	-0.808	-0.091	6.4	0.813
1151374.3	15335662.4	1104.7	65.293	111.288	59.6	129.028	58.6	10.268	0.659	0.457	34.7	0.802	9.4	-0.834	-0.078	5.3	0.837
1151378.5	15335659.8	1104.9	65.862	112.517	59.7	130.376	58.4	10.375	0.664	0.461	34.8	0.808	9.6	-0.854	-0.069	4.6	0.857
1151382.8	15335657.2	1105.2	66.422	113.729	59.7	131.705	58.3	10.481	0.668	0.466	34.9	0.815	9.9	-0.874	-0.059	3.9	0.876
1151387.0	15335654.5	1105.4	66.971	114.924	59.8	133.014	58.2	10.585	0.673	0.470	34.9	0.821	10.2	-0.893	-0.051	3.2	0.894
1151391.3	15335651.9	1105.6	67.432	115.930	59.8	134.115	58.1	10.673	0.677	0.474	35.0	0.827	10.3	-0.903	-0.047	3.0	0.905
1151395.5	15335649.3	1105.8	67.841	116.827	59.9	135.096	58.0	10.751	0.681	0.478	35.0	0.832	10.4	-0.909	-0.047	3.0	0.910
1151399.8	15335646.6	1105.9	68.132	117.468	59.9	135.796	57.9	10.806	0.685	0.481	35.1	0.837	10.3	-0.903	-0.055	3.5	0.904
1151404.0	15335644.0	1106.0	68.386	118.029	59.9	136.409	57.8	10.855	0.689	0.484	35.1	0.842	10.2	-0.893	-0.065	4.1	0.896
1151408.3	15335641.4	1106.1	68.625	118.555	59.9	136.984	57.8	10.901	0.693	0.486	35.1	0.846	10.0	-0.884	-0.074	4.8	0.887
1151412.5	15335638.7	1106.2	68.846	119.047	60.0	137.521	57.7	10.944	0.696	0.489	35.1	0.851	9.9	-0.874	-0.084	5.5	0.878
1151416.8	15335636.1	1106.4	69.105	119.622	60.0	138.148	57.6	10.993	0.699	0.492	35.1	0.855	9.8	-0.869	-0.090	5.9	0.874
1151421.0	15335633.5	1106.6	69.456	120.401	60.0	138.998	57.6	11.061	0.703	0.495	35.1	0.859	9.9	-0.876	-0.087	5.7	0.880
1151425.3	15335630.8	1106.7	69.791	121.148	60.1	139.813	57.5	11.126	0.706	0.497	35.2	0.864	10.0	-0.883	-0.085	5.5	0.887
1151429.5	15335628.2	1106.9	70.111	121.862	60.1	140.592	57.4	11.188	0.709	0.500	35.2	0.867	10.1	-0.890	-0.081	5.2	0.894
1151433.8	15335625.6	1107.1	70.414	122.542	60.1	141.332	57.3	11.247	0.712	0.502	35.2	0.871	10.2	-0.897	-0.077	4.9	0.900
1151438.0	15335622.9	1107.4	70.799	123.405	60.2	142.272	57.2	11.322	0.714	0.504	35.2	0.875	10.5	-0.915	-0.065	4.1	0.917
1151442.3	15335620.3	1107.6	71.154	124.204	60.2	143.142	57.1	11.391	0.717	0.506	35.2	0.878	10.8	-0.931	-0.054	3.3	0.933
1151446.5	15335617.7	1107.7	71.142	124.186	60.2	143.120	57.1	11.389	0.719	0.507	35.2	0.879	10.5	-0.910	-0.068	4.3	0.913
1151450.8	15335615.0	1107.7	71.154	124.219	60.2	143.155	57.1	11.392	0.720	0.507	35.1	0.881	10.2	-0.894	-0.079	5.0	0.897
1151455.0	15335612.4	1107.9	71.208	124.349	60.2	143.294	57.1	11.403	0.722	0.507	35.1	0.882	10.1	-0.884	-0.085	5.5	0.888
1151459.3	15335609.8	1108.0	71.321	124.610	60.2	143.577	57.1	11.426	0.723	0.508	35.1	0.884	10.1	-0.882	-0.085	5.5	0.886
1151463.5	15335607.1	1108.2	71.416	124.831	60.2	143.815	57.1	11.444	0.724	0.509	35.1	0.885	10.1	-0.881	-0.086	5.6	0.885
1151467.8	15335604.5	1108.4	71.600	125.253	60.2	144.273	57.0	11.481	0.725	0.509	35.1	0.886	10.3	-0.892	-0.079	5.1	0.895
1151472.0	15335601.9	1108.6	71.898	125.932	60.3	145.011	56.9	11.540	0.726	0.511	35.1	0.888	10.6	-0.917	-0.063	4.0	0.919
1151476.3	15335599.2	1108.9	72.160	126.533	60.3	145.663	56.9	11.591	0.727	0.512	35.1	0.889	11.0	-0.941	-0.049	3.0	0.942
1151480.5	15335596.6	1109.1	72.207	126.650	60.3	145.788	56.9	11.601	0.728	0.512	35.2	0.890	11.0	-0.943	-0.051	3.1	0.945
1151484.8	15335594.0	1109.2	72.235	126.725	60.3	145.867	56.8	11.608	0.728	0.512	35.2	0.890	11.1	-0.947	-0.052	3.2	0.948
1151489.0	15335591.3	1109.4	72.245	126.758	60.3	145.900	56.8	11.610	0.727	0.513	35.2	0.890	11.1	-0.950	-0.055	3.3	0.952
1151493.3	15335588.7	1109.5	72.085	126.412	60.3	145.520	56.9	11.580	0.727	0.512	35.2	0.889	11.0	-0.938	-0.070	4.3	0.941
1151497.5	15335586.1	1109.5	71.878	125.961	60.3	145.026	56.9	11.541	0.726	0.511	35.2	0.888	10.8	-0.924	-0.088	5.4	0.928
1151501.8	15335583.4	1109.7	71.899	126.022	60.3	145.089	56.9	11.546	0.725	0.512	35.2	0.887	10.9	-0.936	-0.089	5.4	0.940

1151506.0	15335580.8	1109.9	71.901	126.041	60.3	145.107	56.9	11.547	0.724	0.512	35.3	0.886	11.1	-0.949	-0.091	5.5	0.953
1151510.3	15335578.2	1110.1	71.884	126.018	60.3	145.079	56.9	11.545	0.722	0.512	35.4	0.885	11.3	-0.962	-0.094	5.6	0.967
1151514.5	15335575.5	1110.3	72.008	125.722	60.2	144.883	57.1	11.529	0.721	0.514	35.5	0.886	11.4	-0.986	-0.086	5.0	0.990
1151518.8	15335572.9	1110.5	71.880	125.463	60.2	144.595	57.1	11.507	0.720	0.514	35.5	0.884	11.5	-0.993	-0.097	5.6	0.997
1151523.0	15335570.3	1110.7	71.763	125.228	60.2	144.333	57.1	11.486	0.718	0.514	35.6	0.883	11.6	-1.002	-0.108	6.1	1.008
1151527.3	15335567.6	1110.8	71.575	124.839	60.2	143.902	57.2	11.451	0.715	0.514	35.7	0.881	11.6	-1.007	-0.123	6.9	1.014
1151531.5	15335565.0	1111.0	71.347	124.357	60.2	143.370	57.2	11.409	0.713	0.514	35.8	0.879	11.6	-1.009	-0.140	7.9	1.019
1151535.8	15335562.4	1111.1	71.065	123.757	60.1	142.709	57.2	11.356	0.710	0.514	35.9	0.876	11.6	-1.009	-0.161	9.0	1.021
1151540.1	15335559.7	1111.1	70.561	122.665	60.1	141.511	57.4	11.261	0.706	0.513	36.0	0.873	11.2	-0.986	-0.197	11.3	1.005
1151544.3	15335557.1	1111.1	70.036	121.531	60.0	140.267	57.5	11.162	0.703	0.512	36.1	0.869	10.9	-0.963	-0.233	13.6	0.991
1151548.6	15335554.5	1111.2	69.602	120.603	60.0	139.246	57.5	11.081	0.699	0.511	36.1	0.866	10.7	-0.953	-0.261	15.3	0.989
1151552.8	15335551.8	1111.3	69.307	119.982	60.0	138.561	57.6	11.026	0.696	0.510	36.2	0.863	10.8	-0.961	-0.275	16.0	1.000
1151557.1	15335549.2	1111.5	68.998	119.333	60.0	137.844	57.7	10.969	0.692	0.509	36.3	0.859	10.9	-0.971	-0.288	16.5	1.012
1151561.3	15335546.6	1111.6	68.674	118.654	59.9	137.094	57.7	10.910	0.687	0.507	36.4	0.854	11.0	-0.981	-0.299	16.9	1.026
1151565.6	15335543.9	1111.8	68.313	117.893	59.9	136.255	57.8	10.843	0.683	0.506	36.5	0.849	11.1	-0.990	-0.309	17.3	1.037
1151569.8	15335541.3	1111.8	67.817	116.839	59.9	135.094	57.9	10.750	0.677	0.503	36.6	0.844	11.0	-0.987	-0.327	18.3	1.040
1151574.1	15335538.7	1111.9	67.337	115.824	59.8	133.976	58.0	10.661	0.672	0.500	36.6	0.837	11.0	-0.989	-0.340	19.0	1.046
1151578.3	15335536.0	1112.0	66.873	114.846	59.8	132.897	58.1	10.576	0.666	0.497	36.7	0.831	11.1	-0.996	-0.348	19.3	1.055
1151582.6	15335533.4	1112.1	66.400	113.853	59.7	131.801	58.2	10.488	0.660	0.493	36.8	0.824	11.2	-1.004	-0.354	19.4	1.064
1151586.8	15335530.8	1112.2	65.893	112.787	59.7	130.625	58.3	10.395	0.653	0.489	36.8	0.816	11.3	-1.011	-0.359	19.6	1.072
1151591.1	15335528.1	1112.2	65.193	111.312	59.6	128.998	58.4	10.265	0.647	0.484	36.8	0.808	11.2	-0.998	-0.377	20.7	1.067
1151595.3	15335525.5	1112.1	64.485	109.824	59.6	127.356	58.6	10.135	0.639	0.479	36.8	0.799	11.0	-0.986	-0.393	21.7	1.062
1151599.6	15335522.9	1112.1	63.751	108.286	59.5	125.659	58.8	10.000	0.632	0.474	36.9	0.790	10.9	-0.974	-0.408	22.7	1.056
1151603.8	15335520.2	1112.0	63.025	106.770	59.4	123.983	58.9	9.866	0.624	0.468	36.9	0.781	10.8	-0.963	-0.420	23.6	1.051
1151608.1	15335517.6	1112.0	62.272	105.202	59.4	122.250	59.1	9.728	0.617	0.463	36.9	0.771	10.6	-0.951	-0.432	24.4	1.045
1151612.3	15335515.0	1111.9	61.530	103.663	59.3	120.548	59.3	9.593	0.609	0.457	36.9	0.761	10.6	-0.941	-0.441	25.1	1.039
1151616.6	15335512.3	1111.8	60.837	102.230	59.2	118.963	59.4	9.467	0.601	0.451	36.9	0.751	10.6	-0.937	-0.443	25.3	1.037
1151620.8	15335509.7	1111.8	60.250	101.018	59.2	117.621	59.6	9.360	0.593	0.446	36.9	0.741	10.8	-0.946	-0.435	24.7	1.041
1151625.1	15335507.1	1111.8	59.596	99.668	59.1	116.126	59.7	9.241	0.584	0.440	37.0	0.731	10.9	-0.948	-0.429	24.4	1.040
1151629.3	15335504.4	1111.7	58.887	98.207	59.1	114.509	59.9	9.112	0.576	0.433	36.9	0.721	10.9	-0.942	-0.427	24.4	1.034
1151633.6	15335501.8	1111.5	58.236	96.864	59.0	113.023	60.1	8.994	0.567	0.427	36.9	0.710	11.1	-0.943	-0.417	23.9	1.031
1151637.8	15335499.2	1111.5	57.658	95.668	58.9	111.700	60.2	8.889	0.559	0.420	36.9	0.699	11.4	-0.951	-0.400	22.8	1.032
1151642.1	15335496.5	1111.4	57.132	94.578	58.9	110.495	60.4	8.793	0.551	0.414	36.9	0.689	11.7	-0.964	-0.376	21.3	1.035
1151646.3	15335493.9	1111.3	56.668	93.606	58.8	109.423	60.5	8.708	0.543	0.407	36.9	0.679	12.2	-0.982	-0.346	19.4	1.041
1151650.6	15335491.3	1111.3	56.383	92.991	58.8	108.750	60.6	8.654	0.535	0.401	36.9	0.669	13.0	-1.019	-0.299	16.3	1.062
1151654.8	15335488.6	1111.3	56.215	92.602	58.7	108.330	60.7	8.621	0.527	0.396	36.9	0.659	14.0	-1.067	-0.241	12.7	1.094
1151659.1	15335486.0	1111.2	55.942	91.994	58.7	107.668	60.8	8.568	0.520	0.390	36.9	0.650	14.7	-1.098	-0.192	9.9	1.115
1151663.3	15335483.4	1111.0	55.639	91.320	58.6	106.935	60.9	8.510	0.513	0.385	36.9	0.642	15.3	-1.122	-0.145	7.4	1.131

Max EF along centerline is 0.890 (kV/m) at 465.000 (ft) from structure 124

Cross section results at max EF along centerline between structures 124 and 125


MAGNETIC FIELD VS. OFFSET RELATIVE TO LINE BETWEEN ST
465 (FT) AHEAD OF STRUCTURE 124
MAGNETIC FIELD (MG)
160
140
120
100
80
60
40
20
0
-180 -160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 160 180
OFFSET (FT)



3D EMF Point Results Span from 124 to 125:

Measurement			B					H	EF					Space Potential			
X (ft)	Y (ft)	Z (ft)	Real (mG)	Imaginary (mG)	Angle (deg)	Magnitude (mG)	Polarization Axial Ratio %	Magnitude (A/m)	Real (kV/m)	Imaginary (kV/m)	Angle (deg)	Magnitude (kV/m)	Polarization Axial Ratio %	Real (kV)	Imaginary (kV)	Angle (deg)	Magnitude (kV)
1151577.0	15335742.7	1107.1	10.232	11.108	47.3	15.102	91.7	1.202	0.056	0.033	30.4	0.065	1.3	0.013	-0.055	-77.1	0.057
1151574.3	15335738.5	1107.1	10.768	11.706	47.4	15.905	91.7	1.266	0.059	0.036	31.6	0.069	1.2	0.012	-0.057	-78.2	0.059
1151571.7	15335734.2	1107.1	11.346	12.352	47.4	16.772	91.7	1.335	0.062	0.040	32.9	0.073	1.1	0.011	-0.059	-79.4	0.061
1151569.1	15335730.0	1107.1	11.970	13.050	47.5	17.709	91.7	1.409	0.065	0.044	34.2	0.078	1.0	0.010	-0.062	-80.5	0.063
1151566.4	15335725.7	1107.1	12.645	13.808	47.5	18.723	91.6	1.490	0.068	0.049	35.6	0.084	0.9	0.009	-0.064	-81.7	0.065
1151563.8	15335721.5	1107.1	13.375	14.630	47.6	19.823	91.4	1.577	0.072	0.054	37.1	0.090	0.8	0.008	-0.066	-83.0	0.067
1151561.2	15335717.2	1107.1	14.167	15.525	47.6	21.018	91.2	1.673	0.075	0.060	38.6	0.096	0.7	0.007	-0.069	-84.3	0.069
1151558.5	15335713.0	1107.1	15.027	16.501	47.7	22.318	90.9	1.776	0.079	0.067	40.3	0.104	0.6	0.005	-0.072	-85.7	0.072
1151555.9	15335708.7	1107.1	15.961	17.567	47.7	23.735	90.5	1.889	0.083	0.075	42.0	0.112	0.4	0.004	-0.074	-87.1	0.074
1151553.3	15335704.5	1107.1	16.979	18.733	47.8	25.283	90.1	2.012	0.087	0.084	43.9	0.121	0.3	0.002	-0.077	-88.6	0.077
1151550.6	15335700.2	1107.1	18.088	20.013	47.9	26.975	89.6	2.147	0.091	0.094	45.9	0.130	0.2	-0.000	-0.080	89.8	0.080
1151548.0	15335696.0	1107.1	19.298	21.419	48.0	28.830	89.0	2.294	0.095	0.105	48.0	0.142	0.2	-0.003	-0.083	88.1	0.083
1151545.4	15335691.7	1107.1	20.620	22.968	48.1	30.866	88.3	2.456	0.098	0.119	50.3	0.154	0.4	-0.006	-0.086	86.2	0.086
1151542.7	15335687.5	1107.1	22.066	24.677	48.2	33.104	87.6	2.634	0.102	0.134	52.8	0.168	0.6	-0.009	-0.089	84.2	0.089
1151540.1	15335683.2	1107.1	23.646	26.568	48.3	35.567	86.8	2.830	0.104	0.151	55.4	0.184	0.8	-0.013	-0.092	82.0	0.093
1151537.5	15335679.0	1107.1	25.375	28.663	48.5	38.282	86.0	3.046	0.106	0.172	58.3	0.202	1.0	-0.018	-0.095	79.5	0.096
1151534.8	15335674.7	1114.6	29.672	33.244	48.2	44.560	85.3	3.546	0.110	0.194	60.5	0.223	9.4	0.223	0.346	57.2	0.412
1151532.2	15335670.5	1114.3	32.005	36.114	48.5	48.255	84.2	3.840	0.109	0.221	63.7	0.247	9.9	0.204	0.383	62.0	0.434
1151529.6	15335666.2	1114.0	34.559	39.323	48.7	52.351	83.0	4.166	0.107	0.252	67.0	0.274	10.2	0.179	0.423	67.1	0.460
1151526.9	15335662.0	1113.6	37.343	42.909	49.0	56.883	81.8	4.527	0.102	0.289	70.5	0.306	10.5	0.147	0.468	72.5	0.490
1151524.3	15335657.7	1113.3	40.364	46.916	49.3	61.890	80.4	4.925	0.094	0.330	74.1	0.343	10.7	0.107	0.516	78.2	0.527
1151521.7	15335653.5	1113.0	43.620	51.390	49.7	67.407	79.0	5.364	0.083	0.378	77.7	0.387	10.8	0.059	0.566	84.1	0.569

1151519.0	15335649.2	1112.6	47.100	56.370	50.1	73.457	77.5	5.846	0.068	0.432	81.1	0.437	10.6	-0.000	0.619	-90.0	0.619
1151516.4	15335645.0	1112.3	50.773	61.889	50.6	80.051	75.9	6.370	0.055	0.493	83.6	0.496	10.4	-0.070	0.672	-84.0	0.676
1151513.8	15335640.7	1112.0	54.587	67.961	51.2	87.169	74.3	6.937	0.059	0.561	84.0	0.564	10.0	-0.151	0.723	-78.2	0.738
1151511.1	15335636.5	1111.6	58.461	74.569	51.9	94.754	72.6	7.540	0.090	0.633	81.9	0.640	9.4	-0.243	0.767	-72.4	0.804
1151508.5	15335632.2	1111.3	62.281	81.650	52.7	102.692	70.8	8.172	0.142	0.709	78.7	0.723	8.9	-0.342	0.799	-66.8	0.869
1151505.9	15335628.0	1111.0	65.930	89.116	53.5	110.853	69.0	8.821	0.208	0.783	75.1	0.811	8.3	-0.448	0.818	-61.3	0.932
1151503.2	15335623.7	1110.7	69.206	96.728	54.4	118.936	67.1	9.465	0.285	0.850	71.5	0.897	7.8	-0.553	0.811	-55.7	0.982
1151500.6	15335619.5	1110.4	72.050	104.381	55.4	126.834	65.3	10.093	0.369	0.903	67.8	0.975	7.4	-0.660	0.788	-50.1	1.028
1151498.0	15335615.2	1110.2	74.203	111.597	56.4	134.015	63.4	10.665	0.455	0.930	63.9	1.036	7.3	-0.758	0.732	-44.0	1.054
1151495.3	15335611.0	1110.0	75.488	117.875	57.4	139.974	61.7	11.139	0.538	0.925	59.8	1.070	7.4	-0.838	0.634	-37.1	1.051
1151492.7	15335606.7	1109.7	75.646	122.399	58.3	143.888	60.2	11.450	0.610	0.879	55.2	1.069	7.7	-0.881	0.471	-28.1	0.999
1151490.1	15335602.5	1109.5	75.335	125.986	59.1	146.792	58.8	11.681	0.667	0.791	49.9	1.035	8.6	-0.933	0.324	-19.2	0.987
1151487.4	15335598.2	1109.4	74.149	127.466	59.8	147.464	57.7	11.735	0.707	0.666	43.3	0.971	9.8	-0.955	0.144	-8.6	0.966
1151484.8	15335594.0	1109.2	72.235	126.725	60.3	145.867	56.8	11.608	0.728	0.512	35.2	0.890	11.1	-0.947	-0.052	3.2	0.948
1151482.2	15335589.7	1109.0	69.832	124.020	60.6	142.329	56.3	11.326	0.730	0.345	25.3	0.808	12.0	-0.918	-0.240	14.7	0.949
1151479.5	15335585.5	1108.9	67.084	119.622	60.7	137.148	56.0	10.914	0.718	0.183	14.3	0.741	11.9	-0.872	-0.404	24.9	0.961
1151476.9	15335581.2	1108.7	64.062	113.798	60.6	130.590	56.1	10.392	0.693	0.072	5.9	0.696	10.4	-0.809	-0.534	33.4	0.969
1151474.3	15335577.0	1108.3	60.716	106.663	60.4	122.733	56.4	9.767	0.658	0.142	12.2	0.673	7.5	-0.714	-0.618	40.9	0.945
1151471.6	15335572.7	1108.0	57.319	99.110	60.0	114.492	56.8	9.111	0.616	0.243	21.5	0.662	4.9	-0.620	-0.655	46.6	0.901
1151469.0	15335568.5	1107.7	53.921	91.467	59.5	106.178	57.5	8.449	0.569	0.321	29.4	0.653	2.8	-0.528	-0.653	51.0	0.840
1151466.4	15335564.2	1107.3	50.554	83.957	58.9	98.002	58.2	7.799	0.520	0.374	35.7	0.641	1.3	-0.441	-0.620	54.6	0.761
1151463.7	15335560.0	1107.1	47.353	76.944	58.4	90.347	59.0	7.190	0.471	0.406	40.7	0.622	0.6	-0.374	-0.579	57.2	0.689
1151461.1	15335555.7	1106.8	44.257	70.342	57.8	83.107	59.8	6.613	0.424	0.420	44.7	0.596	0.1	-0.314	-0.527	59.2	0.613
1151458.5	15335551.5	1106.6	41.295	64.221	57.3	76.352	60.7	6.076	0.378	0.420	48.0	0.565	0.3	-0.261	-0.471	61.0	0.538
1151455.8	15335547.2	1106.5	38.575	58.750	56.7	70.282	61.5	5.593	0.336	0.410	50.7	0.530	0.3	-0.229	-0.431	62.0	0.488
1151453.2	15335543.0	1106.4	36.017	53.766	56.2	64.715	62.3	5.150	0.297	0.393	53.0	0.493	0.3	-0.203	-0.395	62.7	0.444
1151450.6	15335538.7	1106.3	33.610	49.226	55.7	59.606	63.1	4.743	0.262	0.373	55.0	0.456	0.3	-0.180	-0.360	63.4	0.403
1151447.9	15335534.5	1106.1	31.339	45.077	55.2	54.900	63.9	4.369	0.230	0.350	56.7	0.419	0.3	-0.156	-0.322	64.1	0.357
1151445.3	15335530.2	1106.0	29.236	41.345	54.7	50.638	64.6	4.030	0.202	0.327	58.3	0.384	0.2	-0.136	-0.288	64.7	0.319
1151442.7	15335526.0	1105.8	27.291	37.987	54.3	46.774	65.4	3.722	0.177	0.304	59.7	0.352	0.2	-0.119	-0.258	65.2	0.284
1151440.0	15335521.7	1105.7	25.495	34.966	53.9	43.274	66.0	3.444	0.155	0.281	61.1	0.321	0.2	-0.105	-0.231	65.6	0.254
1151437.4	15335517.5	1105.5	23.830	32.235	53.5	40.087	66.7	3.190	0.136	0.260	62.3	0.293	0.2	-0.091	-0.204	66.1	0.223
1151434.8	15335513.2	1105.3	22.288	29.764	53.2	37.184	67.3	2.959	0.120	0.240	63.5	0.268	0.2	-0.077	-0.176	66.5	0.192
1151432.1	15335509.0	1105.0	20.872	27.543	52.8	34.558	67.9	2.750	0.105	0.221	64.6	0.245	0.1	-0.065	-0.152	66.8	0.165
1151429.5	15335504.7	1104.9	19.579	25.551	52.5	32.190	68.4	2.562	0.092	0.204	65.6	0.224	0.1	-0.057	-0.133	66.9	0.145
1151426.9	15335500.5	1104.7	18.399	23.764	52.3	30.054	68.9	2.392	0.081	0.188	66.6	0.205	0.1	-0.051	-0.121	66.9	0.131
1151424.2	15335496.2	1104.4	17.289	22.116	52.0	28.072	69.4	2.234	0.072	0.174	67.6	0.188	0.1	-0.043	-0.100	66.8	0.109
1151421.6	15335492.0	1104.1	16.271	20.629	51.7	26.274	69.8	2.091	0.063	0.161	68.5	0.173	0.1	-0.036	-0.083	66.5	0.090
1151419.0	15335487.7	1103.7	15.324	19.268	51.5	24.619	70.2	1.959	0.056	0.149	69.4	0.159	0.2	-0.029	-0.064	65.7	0.070
1151416.3	15335483.5	1103.3	14.452	18.031	51.3	23.108	70.6	1.839	0.049	0.138	70.3	0.146	0.2	-0.023	-0.046	63.9	0.052
1151413.7	15335479.2	1102.9	13.647	16.903	51.1	21.725	71.0	1.729	0.044	0.128	71.2	0.135	0.3	-0.017	-0.031	60.3	0.035
1151411.1	15335475.0	1102.5	12.907	15.879	50.9	20.463	71.3	1.628	0.039	0.119	72.0	0.125	0.4	-0.014	-0.018	53.0	0.023
1151408.4	15335470.7	1102.1	12.223	14.942	50.7	19.305	71.7	1.536	0.034	0.110	72.8	0.116	0.4	-0.011	-0.008	35.1	0.013
1151405.8	15335466.5	1101.7	11.590	14.084	50.5	18.240	72.0	1.452	0.030	0.103	73.6	0.107	0.4	-0.009	0.002	-10.4	0.009
1151403.2	15335462.2	1101.3	11.004	13.297	50.4	17.260	72.2	1.373	0.027	0.096	74.4	0.100	0.5	-0.007	0.009	-54.8	0.012
1151400.5	15335458.0	1100.9	10.460	12.572	50.2	16.355	72.5	1.301	0.024	0.090	75.1	0.093	0.5	-0.005	0.016	-72.0	0.017
1151397.9	15335453.7	1100.4	9.949	11.899	50.1	15.510	72.7	1.234	0.021	0.084	75.9	0.087	0.6	-0.004	0.025	-82.1	0.025
1151395.3	15335449.5	1099.9	9.471	11.274	50.0	14.724	73.0	1.172	0.019	0.079	76.6	0.081	0.7	-0.002	0.035	-87.2	0.035
1151392.6	15335445.2	1099.3	9.026	10.697	49.8	13.996	73.2	1.114	0.017	0.074	77.3	0.076	0.8	-0.000	0.043	-89.5	0.043

Critical Energy/Electric Infrastructure Information (CEII) Has Been Redacted From This Document

PLS-CADD Version 20.01x64 9:31:09 AM Friday, February 28, 2025
Quanta Services - Dashiell
Project Name: 'C:\projects\L69\0058-T0069-701 REV 1-0D PLS-CADD MODEL.don'
Line Title: 'Proposed Rebuild'

3D EMF Calculation Notes:
1) Calculations based on the EPRI Red Book methods (3rd Edition, 2005 - 7.4 Calculation of Magnetic Fields and Appendices 7.1 Calculation of Field Ellipse Parameters and 7.6 Electric Field Calculations for 3D Geometry).
2) All wire positions are modeled at the specified weather case and wind direction. Height above ground determined by the modeled ground TIN.
3) Only the effects of wires are being analyzed. The effects of structures are not included unless enabled as noted below.
4) Ground return is being ignored for magnetic field calculations.

Meter height above ground:	3.28 (ft)
Maximum wire distance:	500.00 (ft)
Maximum cable segment size:	5.00 (ft)
Cross section offset +/-:	150.00 (ft)
Result interval:	5.00 (ft)
Electric field limit:	1.60 (kV/m)
Magnetic field limit:	200.00 (mG)
Space potential limit:	0.00 (kV)
Contour Map Spacing:	15 (ft)
Analyzing spans between these structures:	70/69-2 - 70/69-3

One or more sections have wind from both directions which is not supported. A wind direction of left is being used for those sections.

Section Data for 3D EMF Results:

Section Number	Section Note	Voltage Ph-Ph (kV)	Current (Amps)	Cable Filename	Cable Description	Conductors Per Phase	Bundle Diameter (in)	Cable Radius (in)	Weather Case	Condition	Wind Dir.	WC Temperature (deg F)	Effective Radius (in)
1		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW EMF	Creep FE	Left	41.000	0.217
3		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW EMF	Creep FE	Left	41.000	0.217
14		230.0	[redacted]	ACCR_1272-T11 (Bittern) v4 14000.wir	ACCR_1272-T11 (Bittern)	1	0.000	0.675	WINTER NORMAL BITTERN 410	Creep FE	Left	410.000	0.675
15	72	230.0		ACCR_1272-T11 (Bittern) v4 14000.wir	ACCR_1272-T11 (Bittern)	1	0.000	0.675	WINTER NORMAL BITTERN 410	Creep FE	Left	410.000	0.675
16	72	230.0		ACCR_1272-T11 (Bittern) v4 14000.wir	ACCR_1272-T11 (Bittern)	1	0.000	0.675	WINTER NORMAL BITTERN 410	Creep FE	Left	410.000	0.675
17		230.0		ACCR_1272-T11 (Bittern) v4 14000.wir	ACCR_1272-T11 (Bittern)	1	0.000	0.675	WINTER NORMAL BITTERN 410	Creep FE	Left	410.000	0.675
28		0.0	0.0	TF-DNO-11467 - 5400.wir	AFL OPGW DNO-11467 S4-53/61/583	1	0.000	0.291	SW/OPGW EMF	Creep FE	Left	41.000	0.291
30	72	0.0	0.0	TF-DNO-11467 - 5400.wir	AFL OPGW DNO-11467 S4-53/61/583	1	0.000	0.291	SW/OPGW EMF	Creep FE	Left	41.000	0.291
32		0.0	0.0	TF-DNO-11467 - 5400.wir	AFL OPGW DNO-11467 S4-53/61/583	1	0.000	0.291	SW/OPGW EMF	Creep FE	Left	41.000	0.291
33	72	0.0	0.0	TF-DNO-11467 - 5400.wir	AFL OPGW DNO-11467 S4-53/61/583	1	0.000	0.291	SW/OPGW EMF	Creep FE	Left	41.000	0.291
42	70	230.0	[redacted]	bunting_acsr.wir	1192.5 kcmil 45/7 Strands BUNTING ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.651	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.651
43	70	230.0		bunting_acsr.wir	1192.5 kcmil 45/7 Strands BUNTING ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.651	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.651
46		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW EMF	Creep FE	Left	41.000	0.217
47		0.0	0.0	bunting_acsr.wir	1192.5 kcmil 45/7 Strands BUNTING ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.651	SW/OPGW EMF	Creep FE	Left	41.000	0.651

Centerline results between structures 70/69-2 and 70/69-3

3D EMF Point Results Centerline from 70/69-2 to 70/69-3:

Measurement X (ft)	Measurement Y (ft)	Measurement Z (ft)	B Real (mG)	B Imaginary (mG)	B Angle (deg)	B Magnitude (mG)	B Polarization Axial Ratio %	H Magnitude (A/m)	EF Real (kV/m)	EF Imaginary (kV/m)	EF Angle (deg)	EF Magnitude (kV/m)	EF Polarization Axial Ratio %	Space Potential Real (kV)	Space Potential Imaginary (kV)	Space Potential Angle (deg)	Space Potential Magnitude (kV)
1154896.4	15297402.8	969.5	4.235	9.375	65.7	10.287	18.7	0.819	0.087	0.351	76.1	0.362	3.8	-0.123	-0.636	79.0	0.648
1154900.5	15297405.6	969.5	3.774	9.472	68.3	10.196	19.4	0.811	0.087	0.351	76.1	0.362	2.7	-0.105	-0.557	79.3	0.567
1154904.6	15297408.5	969.5	3.467	9.645	70.2	10.249	19.4	0.816	0.087	0.354	76.2	0.364	1.7	-0.085	-0.482	80.0	0.490
1154908.8	15297411.3	970.0	3.570	9.790	70.0	10.421	19.3	0.829	0.087	0.358	76.3	0.369	1.3	-0.076	-0.462	80.6	0.469
1154912.9	15297414.2	970.1	3.566	10.080	70.5	10.692	18.5	0.851	0.087	0.365	76.5	0.376	0.7	-0.057	-0.405	82.0	0.409
1154917.0	15297417.0	970.1	3.579	10.441	71.1	11.038	17.4	0.878	0.088	0.374	76.8	0.385	0.7	-0.034	-0.336	84.2	0.337
1154921.1	15297419.9	970.1	3.653	10.837	71.4	11.436	16.1	0.910	0.089	0.385	77.0	0.395	1.3	-0.011	-0.267	87.6	0.267
1154925.2	15297422.7	970.3	3.895	11.223	70.9	11.879	14.7	0.945	0.090	0.397	77.3	0.407	1.8	0.008	-0.220	-88.0	0.220
1154929.3	15297425.5	970.8	4.303	11.590	69.6	12.363	13.2	0.984	0.091	0.410	77.6	0.420	2.1	0.021	-0.195	-83.8	0.197
1154933.4	15297428.4	971.4	4.836	11.936	67.9	12.878	11.5	1.025	0.091	0.424	77.9	0.433	2.2	0.031	-0.187	-80.7	0.190
1154937.6	15297431.2	972.5	5.829	12.192	64.4	13.514	9.2	1.075	0.091	0.438	78.3	0.447	1.5	0.025	-0.247	-84.2	0.249
1154941.7	15297434.1	973.6	6.858	12.421	61.1	14.189	6.6	1.129	0.091	0.452	78.7	0.461	0.9	0.019	-0.303	-86.4	0.304

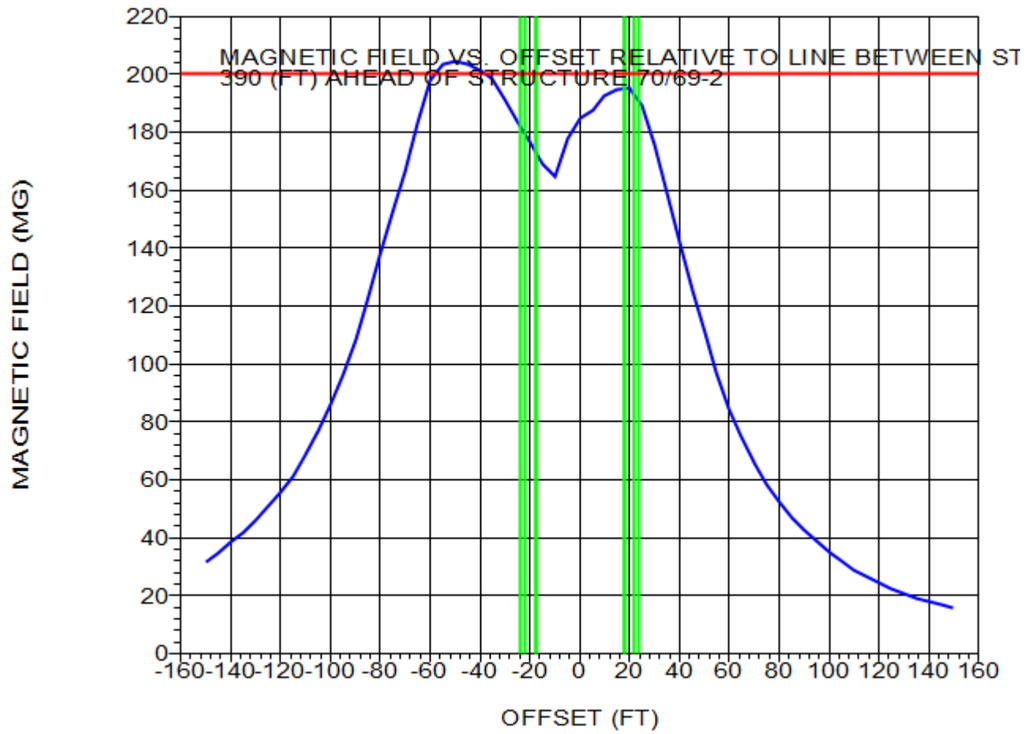
1154945.8	15297436.9	974.5	7.849	12.622	58.1	14.863	4.1	1.183	0.090	0.465	79.0	0.474	0.5	0.013	-0.346	-87.8	0.347
1154949.9	15297439.8	975.5	8.902	12.769	55.1	15.566	2.3	1.239	0.090	0.479	79.4	0.487	0.6	0.005	-0.391	-89.3	0.392
1154954.0	15297442.6	976.6	10.119	12.842	51.8	16.350	3.6	1.301	0.089	0.493	79.8	0.501	1.2	-0.009	-0.451	88.9	0.451
1154958.1	15297445.4	977.2	10.900	12.941	49.9	16.919	5.6	1.346	0.088	0.506	80.1	0.513	1.5	-0.015	-0.448	88.1	0.448
1154962.2	15297448.3	977.9	11.684	12.997	48.0	17.477	7.8	1.391	0.087	0.519	80.5	0.526	1.9	-0.024	-0.439	86.9	0.440
1154966.3	15297451.1	978.5	12.488	13.015	46.2	18.037	9.9	1.435	0.085	0.532	80.9	0.539	2.3	-0.035	-0.427	85.3	0.428
1154970.5	15297454.0	979.3	13.453	12.978	44.0	18.693	12.4	1.488	0.083	0.545	81.3	0.552	2.7	-0.052	-0.426	83.1	0.429
1154974.6	15297456.8	980.0	14.507	12.905	41.7	19.416	14.8	1.545	0.081	0.559	81.8	0.565	2.9	-0.071	-0.425	80.5	0.431
1154978.7	15297459.7	981.3	16.404	12.690	37.7	20.739	18.5	1.650	0.077	0.573	82.4	0.578	3.0	-0.103	-0.507	78.5	0.517
1154982.8	15297462.5	981.6	16.878	12.688	36.9	21.116	19.8	1.680	0.074	0.588	82.8	0.592	3.1	-0.114	-0.425	74.9	0.441
1154986.9	15297465.3	982.7	18.576	12.513	34.0	22.397	22.7	1.782	0.070	0.602	83.4	0.606	2.9	-0.141	-0.465	73.1	0.485
1154991.0	15297468.2	984.0	20.970	12.291	30.4	24.306	26.0	1.934	0.065	0.617	84.0	0.621	2.7	-0.171	-0.561	73.1	0.587
1154995.1	15297471.0	985.5	23.895	12.117	26.9	26.792	29.0	2.132	0.063	0.632	84.3	0.635	3.6	-0.200	-0.692	73.9	0.720
1154999.3	15297473.9	987.7	28.697	12.121	22.9	31.152	32.1	2.479	0.071	0.646	83.7	0.650	7.1	-0.235	-0.959	76.2	0.987
1155003.4	15297476.7	989.4	32.974	12.539	20.8	35.278	33.7	2.807	0.085	0.660	82.6	0.665	10.2	-0.257	-1.153	77.4	1.181
1155007.5	15297479.5	990.4	35.768	13.072	20.1	38.082	34.5	3.030	0.094	0.673	82.0	0.679	11.7	-0.265	-1.227	77.8	1.256
1155011.6	15297482.4	991.0	37.347	13.512	19.9	39.716	35.0	3.161	0.097	0.685	81.9	0.691	12.0	-0.263	-1.218	77.8	1.246
1155015.7	15297485.2	991.7	39.166	14.071	19.8	41.617	35.4	3.312	0.102	0.696	81.6	0.703	12.7	-0.259	-1.226	78.1	1.253
1155019.8	15297488.1	992.1	40.303	14.516	19.8	42.837	35.8	3.409	0.104	0.706	81.6	0.714	12.7	-0.248	-1.193	78.2	1.219
1155023.9	15297490.9	991.9	39.610	14.488	20.1	42.176	36.2	3.356	0.096	0.715	82.4	0.721	11.0	-0.227	-1.045	77.7	1.069
1155028.1	15297493.8	991.7	38.840	14.444	20.4	41.439	36.7	3.298	0.087	0.723	83.1	0.728	9.3	-0.203	-0.893	77.2	0.916
1155032.2	15297496.6	991.8	38.850	14.600	20.6	41.503	37.1	3.303	0.085	0.731	83.4	0.736	8.3	-0.179	-0.797	77.3	0.817
1155036.3	15297499.4	992.0	39.295	14.872	20.7	42.016	37.5	3.343	0.084	0.739	83.5	0.744	7.8	-0.156	-0.734	78.0	0.750
1155040.4	15297502.3	991.7	37.806	14.643	21.2	40.543	38.1	3.226	0.075	0.747	84.3	0.750	5.3	-0.123	-0.537	77.1	0.550
1155044.5	15297505.1	991.8	37.981	14.839	21.3	40.777	38.5	3.245	0.074	0.755	84.4	0.758	4.4	-0.098	-0.456	77.9	0.467
1155048.6	15297508.0	993.2	42.101	16.184	21.0	45.105	38.4	3.589	0.088	0.764	83.4	0.769	7.3	-0.096	-0.649	81.6	0.656
1155052.7	15297510.8	993.7	43.552	16.834	21.1	46.693	38.6	3.716	0.090	0.774	83.3	0.779	7.3	-0.081	-0.651	82.9	0.656
1155056.8	15297513.7	994.1	44.479	17.330	21.3	47.736	38.8	3.799	0.089	0.784	83.5	0.789	6.8	-0.066	-0.614	83.9	0.617
1155061.0	15297516.5	994.4	45.289	17.798	21.5	48.660	39.0	3.872	0.086	0.795	83.8	0.799	5.9	-0.051	-0.565	84.9	0.567
1155065.1	15297519.3	994.3	44.609	17.721	21.7	47.999	39.5	3.820	0.078	0.806	84.5	0.810	3.5	-0.030	-0.414	85.9	0.415
1155069.2	15297522.2	995.5	48.648	19.467	21.8	52.399	39.0	4.170	0.086	0.820	84.0	0.824	5.6	-0.035	-0.563	86.4	0.564
1155073.3	15297525.0	996.4	51.631	20.921	22.1	55.709	38.6	4.433	0.090	0.834	83.8	0.839	6.5	-0.035	-0.633	86.8	0.634
1155077.4	15297527.9	997.4	55.061	22.673	22.4	59.547	38.1	4.739	0.097	0.848	83.5	0.853	7.8	-0.037	-0.721	87.0	0.722
1155081.5	15297530.7	998.2	58.120	24.337	22.7	63.010	37.6	5.014	0.102	0.861	83.2	0.867	8.6	-0.037	-0.779	87.3	0.780
1155085.6	15297533.5	998.9	60.369	25.657	23.0	65.595	37.3	5.220	0.103	0.875	83.3	0.881	8.6	-0.032	-0.787	87.7	0.788
1155089.8	15297536.4	999.6	63.165	27.296	23.4	68.811	36.9	5.476	0.107	0.888	83.1	0.895	9.1	-0.027	-0.820	88.1	0.820
1155093.9	15297539.2	1000.6	67.441	29.780	23.8	73.724	36.1	5.867	0.121	0.903	82.4	0.911	10.9	-0.025	-0.923	88.4	0.923
1155098.0	15297542.1	1000.9	68.389	30.503	24.0	74.884	36.1	5.959	0.113	0.916	82.9	0.923	9.7	-0.009	-0.850	89.4	0.850
1155102.1	15297544.9	1001.6	71.139	32.234	24.4	78.101	35.7	6.215	0.118	0.930	82.8	0.937	10.1	0.005	-0.865	-89.6	0.865
1155106.2	15297547.8	1002.3	73.846	33.973	24.7	81.286	35.3	6.469	0.122	0.944	82.6	0.952	10.3	0.023	-0.873	-88.5	0.873
1155110.3	15297550.6	1003.0	77.025	36.016	25.1	85.030	34.8	6.766	0.129	0.958	82.3	0.967	11.0	0.042	-0.899	-87.4	0.900
1155114.4	15297553.4	1003.4	78.280	36.958	25.3	86.566	34.7	6.889	0.124	0.971	82.7	0.979	10.0	0.068	-0.831	-85.3	0.834
1155118.6	15297556.3	1004.0	80.571	38.521	25.6	89.306	34.4	7.107	0.125	0.985	82.8	0.992	9.9	0.094	-0.809	-83.4	0.815
1155122.7	15297559.1	1004.8	83.810	40.671	25.9	93.157	33.9	7.413	0.132	0.998	82.5	1.006	10.5	0.119	-0.827	-81.8	0.835
1155126.8	15297562.0	1005.5	87.360	43.039	26.2	97.386	33.3	7.750	0.140	1.011	82.1	1.020	11.2	0.145	-0.852	-80.4	0.864
1155130.9	15297564.8	1006.3	91.266	45.660	26.6	102.050	32.7	8.121	0.150	1.024	81.7	1.035	12.1	0.171	-0.884	-79.0	0.901
1155135.0	15297567.7	1007.0	94.397	47.829	26.9	105.822	32.3	8.421	0.154	1.038	81.6	1.049	12.3	0.202	-0.874	-77.0	0.897
1155139.1	15297570.5	1007.6	97.582	50.052	27.2	109.669	31.9	8.727	0.157	1.053	81.5	1.065	12.4	0.234	-0.855	-74.7	0.887
1155143.2	15297573.3	1008.3	100.718	52.264	27.4	113.470	31.4	9.030	0.159	1.070	81.6	1.082	12.3	0.269	-0.824	-71.9	0.867
1155147.3	15297576.2	1009.0	104.006	54.591	27.7	117.462	31.0	9.347	0.160	1.088	81.7	1.100	12.1	0.305	-0.789	-68.8	0.846
1155151.5	15297579.0	1009.2	103.413	54.427	27.8	116.861	31.2	9.300	0.134	1.107	83.1	1.115	9.1	0.353	-0.590	-59.1	0.688
1155155.6	15297581.9	1010.0	108.348	57.841	28.1	122.821	30.5	9.774	0.144	1.127	82.7	1.136	9.9	0.384	-0.610	-57.8	0.721
1155159.7	15297584.7	1011.2	116.000	63.078	28.5	132.041	29.5	10.507	0.173	1.147	81.4	1.160	12.6	0.406	-0.732	-61.0	0.838
1155163.8	15297587.6	1012.1	121.480	66.935	28.9	138.700	28.8	11.037	0.187	1.166	80.9	1.181	13.8	0.432	-0.771	-60.7	0.884
1155167.9	15297590.4	1013.3	129.989	72.857	29.3	149.015	27.8	11.858	0.226	1.184	79.2	1.205	17.0	0.448	-0.921	-64.1	1.024
1155172.0	15297593.2	1013.9	133.001	75.121	29.5	152.750	27.5	12.155	0.226	1.198	79.3	1.219	16.8	0.473	-0.884	-61.8	1.003
1155176.1	15297596.1	1014.7	138.721	79.232	29.7	159.754	26.9	12.713	0.248	1.211	78.4	1.236	18.4	0.492	-0.951	-62.7	1.070
1155180.3	15297598.9	1015.5	143.680	82.848	30.0	165.855	26.4	13.198	0.266	1.223	77.7	1.252	19.7	0.510	-1.001	-63.0	1.123
1155184.4	15297601.8	1015.8	143.126	82.706	30.0	165.303	26.5	13.154	0.246	1.231	78.7	1.255	17.9	0.539	-0.882	-58.6	1.033
1155188.5	15297604.6	1016.3	146.035	84.931	30.2	168.936	26.2	13.444	0.254	1.239	78.4	1.264	18.4	0.560	-0.891	-57.9	1.053
1155192.6	15297607.4	1017.1	151.103	88.651	30.4	175.189	25.7	13.941	0.281	1.246	77.3	1.277	20.3	0.576	-0.985	-59.7	1.141
1155196.7	15297610.3	1017.7	154.012	90.893	30.5	178.833	25.4	14.231	0.294	1.251	76.8	1.285	21.1	0.595	-1.021	-59.8	1.182
1155200.8	15297613.1	1018.2	155.681	92.279	30.7	180.975	25.3	14.402	0.301	1.255	76.5	1.290	21.4	0.614	-1.032	-59.3	1.201
1155204.9	15297616.0	1018.7	156.844	93.313	30.8	182.503	25.2	14.523	0.306	1.257	76.3	1.294	21.7	0.629	-1.042	-58.9	1.217
1155209.1	15297618.8	1019.0	156.950	93.610	30.8	182.747	25.2	14.543	0.306	1.257	76.3	1.294	21.5	0.642	-1.033	-58.1	1.216
1155213.2	15297621.7	1019.5	157.832	94.443	30.9	183.930	25.1	14.637	0.313	1.257	76.0	1.296	22.0	0.646	-1.061	-58.7	1.242
1155217.3	15297624.5	1019.9	158.553	95.160	31.0	184.918	25.0	14.715	0.321	1.256	75.7	1.296	22.5	0.644	-1.097	-59.6	1.272
1155221.4	15297627.3	1020.1	156.687	94.065	31.0	182.754	25.2	14.543	0.311	1.253	76.1	1.291	21.7	0.641	-1.064	-58.9	1.242
1155225.5	15297630.2	1020.2	152.819	91.562	30.9	178.149	25.6	14.177	0.287	1.249	77.1	1.281	19.9	0.636	-0.977	-56.9	1.166
1155229.6	15297633.0	1020.3	148.772	88.927	30.9	173.324	26.1	13.793	0.263	1.245	78.1	1.272	18.0	0.628	-0.890	-54.8	1.089
1155233.7	15297635.9	1020.3	144.958	86.447	30.8	168.778	26.5	13.431	0.242	1.241	78.9	1.264	16.3	0.614	-0.816	-53.1	1.021
1155237.8	15297638.7	1020.7	144.931	86.604	30.9	168.834	26.5	13.435	0.249	1.237	78.6	1.262	16.9	0.584	-0.878	-56.4	1.054
1155242.0	15297641.6	1021.0	142.932	85.377	30.9	166.489	26.7	13.249	0.242	1.233	78.9	1.256	16.4	0.557	-0.882	-57.7	1.043
1155246.1	15297644.4	1021.2	140.952	84.156	30.8	164.163	26.9	13.064	0.237	1.227	79.1	1.250	16.0	0.528	-0.894	-59.4	1.039

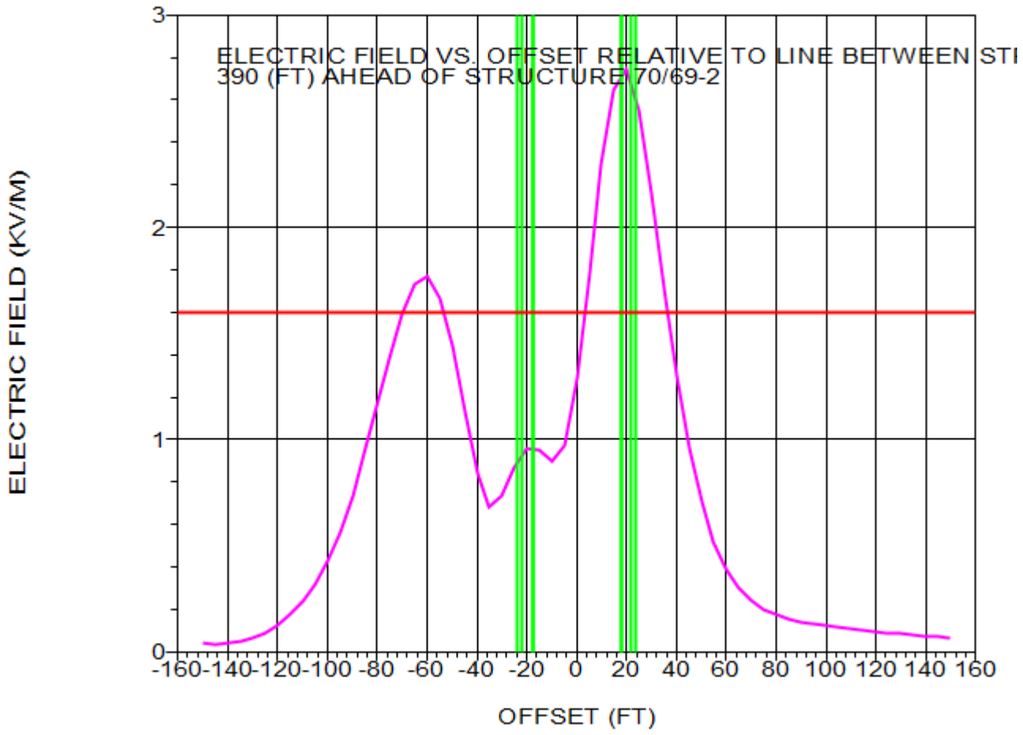
1155250.2	15297647.2	1021.5	139.058	82.989	30.8	161.939	27.2	12.887	0.233	1.221	79.2	1.243	15.8	0.498	-0.919	-61.5	1.045
1155254.3	15297650.1	1021.8	137.193	81.836	30.8	159.747	27.4	12.712	0.231	1.215	79.2	1.236	15.6	0.469	-0.953	-63.8	1.062
1155258.4	15297652.9	1022.1	135.762	80.979	30.8	158.078	27.6	12.579	0.233	1.207	79.1	1.229	15.8	0.438	-1.010	-66.5	1.101
1155262.5	15297655.8	1022.1	131.476	78.122	30.7	152.934	28.1	12.170	0.217	1.198	79.7	1.217	14.3	0.420	-0.973	-66.6	1.060
1155266.6	15297658.6	1022.4	129.460	76.845	30.7	150.549	28.3	11.980	0.217	1.189	79.6	1.208	14.3	0.398	-1.023	-68.8	1.097
1155270.8	15297661.4	1022.2	122.530	72.144	30.5	142.191	29.2	11.315	0.188	1.179	80.9	1.194	11.3	0.399	-0.894	-65.9	0.979
1155274.9	15297664.3	1022.4	120.059	70.543	30.4	139.250	29.6	11.081	0.189	1.169	80.8	1.184	11.1	0.388	-0.933	-67.4	1.010
1155279.0	15297667.1	1022.8	118.868	69.823	30.4	137.859	29.8	10.970	0.198	1.159	80.3	1.176	11.7	0.376	-1.022	-69.8	1.089
1155283.1	15297670.0	1023.0	116.616	68.364	30.4	135.177	30.1	10.757	0.202	1.150	80.0	1.167	11.7	0.374	-1.072	-70.8	1.135
1155287.2	15297672.8	1023.0	111.681	65.050	30.2	129.244	30.8	10.285	0.193	1.140	80.4	1.156	10.0	0.392	-1.016	-68.9	1.088
1155291.3	15297675.7	1023.1	108.179	62.727	30.1	125.050	31.3	9.951	0.193	1.131	80.3	1.147	9.2	0.408	-1.012	-68.0	1.092
1155295.4	15297678.5	1023.5	106.908	61.934	30.1	123.552	31.5	9.832	0.204	1.121	79.7	1.140	9.9	0.417	-1.099	-69.2	1.175
1155299.6	15297681.3	1023.4	101.588	58.371	29.9	117.163	32.4	9.324	0.200	1.113	79.8	1.131	7.9	0.457	-1.012	-65.7	1.110
1155303.7	15297684.2	1023.5	98.261	56.521	29.9	113.357	33.1	9.021	0.207	1.107	79.4	1.126	7.2	0.412	-1.040	-68.4	1.118
1155307.8	15297687.0	1023.8	96.140	54.999	29.8	110.760	33.5	8.814	0.216	1.098	78.9	1.119	7.2	0.462	-1.056	-66.4	1.153
1155311.9	15297689.9	1023.8	92.299	52.465	29.6	106.168	34.2	8.449	0.221	1.091	78.5	1.113	6.1	0.510	-1.018	-63.4	1.138
1155316.0	15297692.7	1023.8	88.407	49.909	29.4	101.522	35.0	8.079	0.230	1.084	78.0	1.108	5.0	0.564	-0.973	-59.9	1.124
1155320.1	15297695.6	1024.0	85.734	48.172	29.3	98.341	35.6	7.826	0.240	1.076	77.4	1.103	4.8	0.612	-0.985	-58.1	1.159
1155324.2	15297698.4	1024.6	85.709	48.185	29.3	98.325	35.6	7.824	0.254	1.065	76.6	1.095	6.1	0.634	-1.130	-60.7	1.295
1155328.3	15297701.2	1024.8	83.456	46.724	29.2	95.645	36.1	7.611	0.266	1.054	75.8	1.087	6.1	0.681	-1.173	-59.9	1.356
1155332.5	15297704.1	1025.1	81.313	45.338	29.1	93.099	36.5	7.409	0.278	1.042	75.1	1.079	6.3	0.728	-1.229	-59.3	1.428
1155336.6	15297706.9	1025.1	77.726	43.020	29.0	88.838	37.4	7.069	0.290	1.030	74.3	1.070	5.7	0.795	-1.220	-56.9	1.456
1155340.7	15297709.8	1025.4	75.388	41.522	28.8	86.067	38.0	6.849	0.302	1.014	73.4	1.058	5.9	0.841	-1.289	-56.9	1.539
1155344.8	15297712.6	1025.7	73.678	40.432	28.8	84.043	38.5	6.688	0.312	0.994	72.6	1.042	6.4	0.869	-1.408	-58.3	1.655
1155348.9	15297715.5	1026.2	72.784	39.861	28.7	82.985	38.7	6.604	0.321	0.970	71.7	1.022	7.5	0.869	-1.592	-61.4	1.814
1155353.0	15297718.3	1026.5	70.895	38.658	28.6	80.750	39.2	6.426	0.328	0.944	70.8	0.999	8.3	0.866	-1.745	-63.6	1.948
1155357.1	15297721.1	1026.3	66.149	35.690	28.3	75.163	40.6	5.981	0.332	0.916	70.1	0.975	7.8	0.897	-1.763	-63.0	1.978
1155361.3	15297724.0	1024.3	53.218	28.091	27.8	60.177	45.5	4.789	0.347	0.899	68.9	0.963	2.6	1.104	-1.291	-49.5	1.698
1155365.4	15297726.8	1021.8	40.551	21.730	28.2	46.006	52.2	3.661	0.381	0.886	66.7	0.965	2.8	1.363	-0.727	-28.1	1.545
1155369.5	15297729.7	1019.1	29.670	17.777	30.9	34.588	58.7	2.752	0.425	0.873	64.1	0.971	6.6	1.636	-0.173	-6.0	1.646
1155373.6	15297732.5	1015.7	19.585	16.028	39.3	25.307	56.9	2.014	0.479	0.864	61.0	0.988	9.9	1.968	0.466	13.3	2.023
1155377.7	15297735.3	1013.1	13.276	15.958	50.2	20.759	44.0	1.652	0.503	0.829	58.8	0.969	11.5	2.141	0.777	19.9	2.277
1155381.8	15297738.2	1011.4	9.569	16.214	59.5	18.827	32.7	1.498	0.492	0.765	57.3	0.909	12.4	2.128	0.773	20.0	2.264
1155385.9	15297741.0	1009.3	5.859	16.629	70.6	17.631	20.8	1.403	0.482	0.700	55.5	0.849	14.1	2.123	0.831	21.4	2.280
1155390.1	15297743.9	1006.8	2.579	17.070	81.4	17.263	11.3	1.374	0.471	0.633	53.4	0.789	16.6	2.108	0.923	23.6	2.301
1155394.2	15297746.7	1003.9	1.451	17.418	85.2	17.478	5.6	1.391	0.459	0.569	51.1	0.731	20.2	2.073	1.042	26.7	2.321
1155398.3	15297749.6	1002.6	2.501	17.532	81.9	17.710	3.9	1.409	0.425	0.508	50.1	0.662	25.0	1.846	0.917	26.4	2.062
1155402.4	15297752.4	1001.0	3.843	17.603	77.7	18.017	2.8	1.434	0.401	0.459	48.9	0.609	31.2	1.630	0.886	28.5	1.856
1155406.5	15297755.2	998.9	5.205	17.596	73.5	18.350	2.3	1.460	0.386	0.418	47.3	0.569	38.9	1.407	0.930	33.5	1.686
1155410.6	15297758.1	998.6	5.670	17.568	72.1	18.460	2.2	1.469	0.358	0.385	47.1	0.525	48.0	1.053	0.804	37.3	1.325
1155414.7	15297760.9	999.4	5.622	17.566	72.3	18.444	2.1	1.468	0.323	0.361	48.2	0.484	58.7	0.652	0.601	42.7	0.887
1155418.8	15297763.8	1001.4	5.095	17.582	73.8	18.305	2.0	1.457	0.282	0.350	51.1	0.450	68.0	0.244	0.350	55.1	0.426
1155423.0	15297766.6	1003.4	4.513	17.577	75.6	18.147	2.0	1.444	0.248	0.349	54.6	0.428	69.5	-0.120	0.160	-53.0	0.200
1155427.1	15297769.5	1006.0	3.567	17.532	78.5	17.891	2.2	1.424	0.213	0.360	59.4	0.418	58.9	-0.451	-0.034	4.3	0.452
1155431.2	15297772.3	1008.8	2.372	17.421	82.2	17.582	2.7	1.399	0.180	0.380	64.7	0.421	45.8	-0.737	-0.203	15.4	0.765
1155435.3	15297775.1	1011.7	1.061	17.226	86.5	17.259	3.8	1.373	0.149	0.407	69.9	0.434	34.2	-0.982	-0.348	19.5	1.042
1155439.4	15297778.0	1015.1	1.683	16.880	84.3	16.964	6.7	1.350	0.118	0.442	75.0	0.457	24.1	-1.188	-0.517	23.5	1.295
1155443.5	15297780.8	1018.4	4.066	16.430	76.1	16.925	11.7	1.347	0.091	0.478	79.3	0.487	16.3	-1.356	-0.656	25.8	1.507
1155447.6	15297783.7	1022.4	7.880	15.771	63.5	17.630	22.7	1.403	0.061	0.523	83.4	0.527	10.1	-1.460	-0.842	30.0	1.686
1155451.8	15297786.5	1026.3	12.817	14.873	49.2	19.634	34.7	1.562	0.043	0.567	85.6	0.569	6.9	-1.664	-1.107	33.6	1.998
1155455.9	15297789.3	1030.2	18.493	14.449	38.0	23.468	46.1	1.868	0.048	0.612	85.5	0.614	7.8	-1.745	-1.332	37.4	2.195
1155460.0	15297792.2	1033.4	24.019	14.670	31.4	28.145	50.7	2.240	0.064	0.655	84.4	0.658	9.7	-1.800	-1.474	39.3	2.326
1155464.1	15297795.0	1036.4	29.584	15.604	27.8	33.447	50.8	2.662	0.081	0.696	83.3	0.700	11.5	-1.832	-1.565	40.5	2.409
1155468.2	15297797.9	1039.3	36.051	17.533	25.9	40.088	48.6	3.190	0.104	0.737	82.0	0.745	13.7	-1.847	-1.668	42.1	2.489
1155472.3	15297800.7	1041.2	39.501	18.802	25.5	43.748	47.0	3.481	0.104	0.772	82.3	0.779	13.1	-1.841	-1.558	40.2	2.412
1155476.4	15297803.6	1043.1	43.601	20.550	25.2	48.201	45.1	3.836	0.108	0.809	82.4	0.816	12.9	-1.822	-1.468	38.8	2.340
1155480.5	15297806.4	1045.0	47.525	22.397	25.2	52.538	43.4	4.181	0.109	0.845	82.6	0.852	12.4	-1.793	-1.353	37.1	2.246
1155484.7	15297809.2	1047.4	54.337	26.023	25.6	60.247	40.9	4.794	0.126	0.883	81.9	0.892	13.7	-1.758	-1.387	38.3	2.239
1155488.8	15297812.1	1049.9	62.229	30.611	26.2	69.351	38.5	5.519	0.149	0.920	80.8	0.932	15.5	-1.718	-1.459	40.3	2.254
1155492.9	15297814.9	1052.5	71.646	36.453	27.0	80.386	36.0	6.397	0.180	0.955	79.3	0.972	18.2	-1.676	-1.588	43.5	2.309
1155497.0	15297817.8	1054.6	78.889	41.088	27.5	88.948	34.4	7.078	0.198	0.986	78.6	1.006	19.4	-1.630	-1.609	44.6	2.290
1155501.1	15297820.6	1056.5	85.064	45.105	27.9	96.283	33.1	7.662	0.209	1.014	78.4	1.035	20.0	-1.583	-1.588	45.1	2.242
1155505.2	15297823.5	1058.4	92.329	49.932	28.4	104.966	31.8	8.353	0.228	1.039	77.6	1.063	21.4	-1.538	-1.622	46.5	2.236
1155509.3	15297826.3	1060.2	98.995	54.405	28.8	112.960	30.7	8.989	0.245	1.060	77.0	1.088	22.6	-1.496	-1.643	47.7	2.222
1155513.5	15297829.1	1061.8	104.398	58.031	29.1	119.443	29.9	9.505	0.256	1.078	76.7	1.108	23.2	-1.455	-1.632	48.3	2.186
1155517.6	15297832.0	1063.4	109.859	61.720	29.3	126.009	29.1	10.028	0.269	1.094	76.2	1.126	24.1	-1.416	-1.642	49.2	2.168
1155521.7	15297834.8	1064.8	114.166	64.605	29.5	131.178	28.5	10.439	0.276	1.105	76.0	1.139	24.6	-1.380	-1.630	49.8	2.136
1155525.8	15297837.7	1066.2	118.137	67.260	29.7	135.942	28.0	10.818	0.284	1.114	75.7	1.150	25.2	-1.345	-1.630	50.5	2.113
1155529.9	15297840.5	1067.7	123.276	70.749	29.9	142.135	27.3	11.311	0.304	1.120	74.8	1.161	26.8	-1.311	-1.693	52.2	2.141
1155534.0	15297843.4	1068.5	121.769	69.505	29.7	140.209	27.4	11.157	0.278	1.121	76.0	1.155	24.6	-1.280	-1.550	50.5	2.010
1155538.1	15297846.2	1069.4	121.298	68.995	29.6	139.547	27.4	11.105	0.263	1.120	76.8	1.150	23.4	-1.249	-1.468	49.6	1.927
1155542.3	15297849.0	1070.6	123.667	70.501	29.7	142.351	27.1	11.328	0.272	1.117	76.3	1.150	24.2	-1.217	-1.508	51.1	1.938
1155546.4	15297851.9	1071.8	125.724	71.783	29.7	144.774	26.8	11.521	0.282	1.113	75.8	1.148	25.1	-1.185	-1.559	52.8	1.958
1155550.5	15297854.7	1072.8	125.729	71.599	29.7	144.687	26.7	11.514	0.279	1.105	75.8	1.140	25.1	-1.154	-1.559	53.5	1.940

1155554.6	15297857.6	1073.7	124.486	70.523	29.5	143.074	26.8	11.385	0.269	1.095	76.2	1.128	24.4	-1.124	-1.535	53.8	1.903
1155558.7	15297860.4	1074.5	122.379	68.833	29.4	140.409	26.9	11.173	0.256	1.084	76.7	1.114	23.5	-1.094	-1.498	53.9	1.855
1155562.8	15297863.2	1075.3	120.099	67.019	29.2	137.533	27.0	10.945	0.243	1.072	77.2	1.099	22.6	-1.062	-1.467	54.1	1.811
1155566.9	15297866.1	1076.0	117.300	64.839	28.9	134.028	27.2	10.666	0.229	1.058	77.8	1.083	21.6	-1.028	-1.429	54.3	1.760
1155571.0	15297868.9	1076.7	114.809	62.879	28.7	130.900	27.4	10.417	0.219	1.045	78.2	1.067	20.9	-0.991	-1.409	54.9	1.723
1155575.2	15297871.8	1077.3	110.694	59.780	28.4	125.805	27.7	10.011	0.199	1.030	79.1	1.049	19.2	-0.950	-1.335	54.6	1.639
1155579.3	15297874.6	1077.9	106.704	56.779	28.0	120.870	28.0	9.619	0.181	1.016	79.9	1.032	17.8	-0.903	-1.267	54.5	1.556
1155583.4	15297877.5	1078.4	102.192	53.425	27.6	115.315	28.3	9.176	0.162	1.002	80.8	1.015	16.1	-0.849	-1.177	54.2	1.451
1155587.5	15297880.3	1079.1	99.578	51.401	27.3	112.062	28.5	8.918	0.158	0.989	80.9	1.002	15.8	-0.786	-1.157	55.8	1.398
1155591.6	15297883.1	1080.2	99.542	51.166	27.2	111.922	28.3	8.906	0.173	0.978	79.9	0.993	17.5	-0.715	-1.234	59.9	1.426
1155595.7	15297886.0	1080.9	96.661	48.961	26.9	108.353	28.5	8.622	0.169	0.967	80.1	0.981	17.1	-0.639	-1.197	61.9	1.357
1155599.8	15297888.8	1081.3	91.754	45.372	26.3	102.359	28.8	8.145	0.153	0.956	80.9	0.968	15.3	-0.554	-1.074	62.7	1.209
1155604.0	15297891.7	1082.0	89.348	43.512	26.0	99.380	28.9	7.908	0.153	0.946	80.8	0.959	15.1	-0.467	-1.046	65.9	1.145
1155608.1	15297894.5	1083.1	89.250	43.228	25.8	99.167	28.7	7.891	0.169	0.938	79.8	0.953	16.4	-0.381	-1.108	71.0	1.172
1155612.2	15297897.4	1083.7	86.034	40.822	25.4	95.227	28.8	7.578	0.164	0.929	80.0	0.943	15.6	-0.291	-1.039	74.3	1.079
1155616.3	15297900.2	1084.2	81.757	37.713	24.8	90.036	29.0	7.165	0.154	0.920	80.5	0.933	13.9	-0.200	-0.920	77.7	0.941
1155620.4	15297903.0	1084.8	78.945	35.607	24.3	86.604	29.0	6.892	0.153	0.912	80.5	0.925	13.2	-0.115	-0.858	82.4	0.866
1155624.5	15297905.9	1085.6	76.955	34.057	23.9	84.155	28.9	6.697	0.156	0.904	80.2	0.917	13.0	-0.038	-0.832	87.4	0.833
1155628.6	15297908.7	1086.4	74.965	32.513	23.4	81.712	28.8	6.502	0.158	0.896	80.0	0.910	12.7	0.032	-0.804	-87.7	0.804
1155632.8	15297911.6	1086.9	71.105	29.745	22.7	77.076	28.8	6.134	0.151	0.888	80.4	0.901	11.0	0.103	-0.686	-81.5	0.694
1155636.9	15297914.4	1087.8	69.896	28.729	22.3	75.569	28.6	6.014	0.155	0.880	80.0	0.893	11.2	0.152	-0.694	-77.6	0.710
1155641.0	15297917.2	1088.3	66.450	26.264	21.6	71.452	28.4	5.686	0.149	0.872	80.3	0.884	9.7	0.205	-0.592	-70.9	0.626
1155645.1	15297920.1	1089.2	65.058	25.140	21.1	69.747	28.1	5.550	0.151	0.863	80.1	0.876	9.8	0.237	-0.592	-68.2	0.638
1155649.2	15297922.9	1090.0	63.116	23.667	20.6	67.407	27.8	5.364	0.150	0.854	80.1	0.867	9.5	0.262	-0.566	-65.2	0.624
1155653.3	15297925.8	1090.7	60.894	22.025	19.9	64.755	27.4	5.153	0.147	0.845	80.2	0.858	9.0	0.281	-0.526	-61.9	0.597
1155657.4	15297928.6	1091.5	58.870	20.519	19.2	62.344	27.0	4.961	0.144	0.836	80.3	0.848	8.6	0.292	-0.497	-59.6	0.577
1155661.5	15297931.5	1092.3	57.211	19.250	18.6	60.362	26.5	4.803	0.141	0.827	80.3	0.839	8.5	0.293	-0.489	-59.0	0.570
1155665.7	15297934.3	1093.2	55.968	18.246	18.1	58.867	26.0	4.684	0.140	0.817	80.3	0.829	8.7	0.286	-0.505	-60.5	0.581
1155669.8	15297937.1	1094.4	55.824	17.922	17.8	58.630	25.5	4.666	0.142	0.807	80.0	0.819	9.8	0.267	-0.584	-65.5	0.642
1155673.9	15297940.0	1095.4	54.932	17.136	17.3	57.543	25.0	4.579	0.142	0.797	79.9	0.809	10.2	0.250	-0.624	-68.1	0.672
1155678.0	15297942.8	1096.2	53.248	15.869	16.6	55.562	24.3	4.421	0.139	0.787	80.0	0.799	10.0	0.239	-0.621	-69.0	0.665
1155682.1	15297945.7	1097.0	51.587	14.625	15.8	53.620	23.5	4.267	0.135	0.776	80.1	0.788	9.8	0.227	-0.620	-69.9	0.660
1155686.2	15297948.5	1097.9	50.377	13.660	15.2	52.196	22.7	4.154	0.134	0.765	80.0	0.777	10.0	0.212	-0.645	-71.8	0.679
1155690.3	15297951.4	1098.8	49.021	12.614	14.4	50.617	21.9	4.028	0.133	0.755	80.0	0.766	10.0	0.199	-0.664	-73.3	0.693
1155694.5	15297954.2	1099.6	47.519	11.490	13.6	48.888	20.9	3.890	0.132	0.744	80.0	0.755	9.9	0.190	-0.674	-74.3	0.700
1155698.6	15297957.0	1100.5	46.039	10.389	12.7	47.197	19.8	3.756	0.131	0.733	79.9	0.744	9.8	0.182	-0.684	-75.1	0.708
1155702.7	15297959.9	1101.2	43.957	8.959	11.5	44.861	18.4	3.570	0.128	0.722	79.9	0.733	9.1	0.183	-0.657	-74.4	0.682
1155706.8	15297962.7	1101.6	41.263	7.233	9.9	41.892	16.5	3.334	0.125	0.711	80.0	0.722	7.9	0.192	-0.587	-71.9	0.618
1155710.9	15297965.6	1102.1	38.816	5.722	8.4	39.235	14.4	3.122	0.123	0.701	80.0	0.711	6.9	0.203	-0.527	-68.9	0.564
1155715.0	15297968.4	1102.7	36.678	4.473	7.0	36.950	12.2	2.940	0.123	0.690	79.9	0.701	6.0	0.213	-0.481	-66.1	0.526
1155719.1	15297971.3	1103.3	34.636	3.443	5.7	34.806	9.8	2.770	0.124	0.680	79.7	0.692	5.3	0.225	-0.435	-62.7	0.490
1155723.3	15297974.1	1103.8	32.685	2.769	4.8	32.802	7.2	2.610	0.125	0.671	79.5	0.682	4.5	0.237	-0.389	-58.6	0.456
1155727.4	15297976.9	1104.4	30.739	2.641	4.9	30.852	4.8	2.455	0.126	0.662	79.2	0.674	3.7	0.252	-0.336	-53.2	0.420
1155731.5	15297979.8	1105.1	29.416	2.869	5.6	29.555	4.0	2.352	0.127	0.653	79.0	0.665	3.4	0.258	-0.325	-51.5	0.415
1155735.6	15297982.6	1105.9	28.147	3.323	6.7	28.343	5.1	2.255	0.129	0.645	78.7	0.657	3.1	0.264	-0.312	-49.8	0.409
1155739.7	15297985.5	1106.9	27.495	3.615	7.5	27.732	6.7	2.207	0.130	0.636	78.5	0.650	3.4	0.259	-0.347	-53.2	0.433
1155743.8	15297988.3	1107.8	26.681	4.046	8.6	26.986	8.9	2.148	0.131	0.629	78.3	0.642	3.5	0.256	-0.363	-54.8	0.445
1155747.9	15297991.1	1108.6	25.684	4.622	10.2	26.097	11.9	2.077	0.131	0.621	78.1	0.635	3.3	0.256	-0.360	-54.6	0.442
1155752.0	15297994.0	1109.4	24.558	5.302	12.2	25.124	15.4	1.999	0.132	0.614	77.9	0.628	2.9	0.257	-0.341	-53.0	0.427
1155756.2	15297996.8	1110.4	23.909	5.739	13.5	24.588	18.2	1.957	0.132	0.608	77.7	0.622	3.0	0.249	-0.360	-55.4	0.437
1155760.3	15297999.7	1111.3	23.236	6.202	14.9	24.049	21.1	1.914	0.133	0.601	77.6	0.616	3.0	0.239	-0.374	-57.4	0.444
1155764.4	15298002.5	1112.3	22.558	6.676	16.5	23.525	24.3	1.872	0.133	0.595	77.4	0.610	3.0	0.228	-0.384	-59.3	0.447
1155768.5	15298005.4	1113.2	21.897	7.146	18.1	23.034	27.6	1.833	0.133	0.589	77.3	0.604	3.0	0.216	-0.393	-61.2	0.448
1155772.6	15298008.2	1114.1	21.256	7.609	19.7	22.577	31.0	1.797	0.132	0.584	77.2	0.598	3.0	0.201	-0.401	-63.4	0.448
1155776.7	15298011.0	1115.1	20.635	8.064	21.3	22.155	34.6	1.763	0.132	0.578	77.2	0.593	3.1	0.183	-0.409	-65.9	0.448
1155780.8	15298013.9	1116.0	19.970	8.545	23.2	21.721	38.6	1.728	0.131	0.573	77.1	0.588	3.1	0.165	-0.410	-68.1	0.442
1155785.0	15298016.7	1116.9	19.278	9.039	25.1	21.292	43.0	1.694	0.130	0.568	77.1	0.583	3.2	0.145	-0.408	-70.4	0.433
1155789.1	15298019.6	1117.8	18.640	9.505	27.0	20.924	47.5	1.665	0.129	0.563	77.1	0.578	3.3	0.122	-0.410	-73.5	0.428
1155793.2	15298022.4	1118.6	18.033	9.956	28.9	20.599	52.1	1.639	0.128	0.558	77.1	0.572	3.5	0.096	-0.416	-77.1	0.427
1155797.3	15298025.3	1119.7	17.765	10.232	29.9	20.501	55.1	1.631	0.125	0.551	77.2	0.565	3.6	0.059	-0.463	-82.8	0.467
1155801.4	15298028.1	1120.9	17.674	10.420	30.5	20.516	57.0	1.633	0.122	0.544	77.3	0.557	3.8	0.016	-0.535	-88.3	0.535
1155805.5	15298030.9	1122.5	18.061	10.369	29.9	20.826	56.0	1.657	0.118	0.534	77.6	0.547	4.0	-0.041	-0.668	86.5	0.669
1155809.6	15298033.8	1124.2	18.636	10.235	28.8	21.262	53.9	1.692	0.113	0.524	77.8	0.536	4.5	-0.101	-0.823	83.0	0.829
1155813.8	15298036.6	1125.8	19.263	10.088	27.6	21.745	51.7	1.730	0.109	0.513	78.0	0.525	5.2	-0.159	-0.982	80.8	0.995
1155817.9	15298039.5	1127.2	19.476	10.154	27.5	21.964	51.7	1.748	0.106	0.503	78.1	0.514	5.6	-0.205	-1.096	79.4	1.115
1155822.0	15298042.3	1128.0	18.897	10.608	29.3	21.671	55.9	1.724	0.105	0.494	78.0	0.505	5.3	-0.231	-1.126	78.4	1.149
1155826.1	15298045.1	1128.8	18.383	11.027	31.0	21.437	59.9	1.706	0.104	0.485	77.9	0.496	5.0	-0.255	-1.159	77.6	1.187
1155830.2	15298048.0	1129.0	17.242	11.740	34.3	20.860	68.1	1.660	0.104	0.477	77.7	0.488	4.1	-0.259	-1.115	76.9	1.145
1155834.3	15298050.8	1129.1	16.159	12.417	37.5	20.378	76.4	1.622	0.105	0.470	77.4	0.482	3.1	-0.258	-1.064	76.4	1.095
1155838.4	15298053.7	1128.8	14.850	13.192	41.6	19.863	84.3	1.581	0.107	0.465	77.0	0.477	1.9	-0.241	-0.963	75.9	0.993
1155842.5	15298056.5	1129.3	14.406	13.532	43.2	19.765	84.3	1.573	0.108	0.458	76.7	0.471	1.5	-0.246	-0.971	75.8	1.002
1155846.7	15298059.4	1129.3	13.729	13.968	45.5	19.586	81.3	1.559	0.110	0.453	76.4	0.466	0.8	-0.235	-0.931	75.8	0.961
1155850.8	15298062.2	1129.1	13.011	14.405	47.9	19.411	75.6	1.545	0.112	0.450	76.0	0.463	0.1	-0.216	-0.867	76.0	0.894

Max EF along centerline is 1.296 (kV/m) at 390.000 (ft) from structure 70/69-2

Cross section results at max EF along centerline between structures 70/69-2 and 70/69-3





3D EMF Point Results Span from 70/69-2 to 70/69-3:

Measurement			B					H	EF					Space Potential				
X (ft)	Y (ft)	Z (ft)	Real (mG)	Imaginary (mG)	Angle (deg)	Magnitude (mG)	Polarization Axial Ratio %	Magnitude (A/m)	Real (kV/m)	Imaginary (kV/m)	Angle (deg)	Magnitude (kV/m)	Polarization Axial Ratio %	Real (kV)	Imaginary (kV)	Angle (deg)	Magnitude (kV)	
1155132.0	15297747.9	1001.1	24.999	18.846	37.0	31.307	6.0	2.491	0.032	0.024	37.3	0.040	32.5	-0.042	-0.008	11.0	0.042	
1155134.9	15297743.8	1004.3	27.931	21.138	37.1	35.028	6.7	2.787	0.025	0.031	51.3	0.039	32.1	-0.006	-0.025	76.3	0.025	
1155137.7	15297739.7	1005.9	30.796	23.466	37.3	38.718	7.2	3.081	0.017	0.039	66.5	0.042	29.6	0.015	-0.035	-66.4	0.038	
1155140.5	15297735.6	1006.0	33.427	25.720	37.6	42.177	7.6	3.356	0.014	0.049	74.2	0.051	28.2	0.033	-0.030	-41.9	0.044	
1155143.4	15297731.5	1006.1	36.337	28.250	37.9	46.027	8.0	3.663	0.023	0.063	70.1	0.067	22.5	0.055	-0.021	-21.0	0.059	
1155146.2	15297727.3	1006.3	39.644	31.157	38.2	50.422	8.4	4.012	0.041	0.081	63.0	0.091	16.2	0.082	-0.012	-8.3	0.083	
1155149.1	15297723.2	1006.8	43.466	34.546	38.5	55.522	8.8	4.418	0.068	0.106	57.4	0.126	11.0	0.110	-0.005	-2.4	0.110	
1155151.9	15297719.1	1006.8	47.466	38.187	38.8	60.920	9.1	4.848	0.104	0.140	53.4	0.174	7.8	0.150	0.017	6.6	0.151	
1155154.7	15297715.0	1008.1	53.193	43.289	39.1	68.582	9.5	5.458	0.149	0.184	51.0	0.237	4.6	0.143	-0.019	-7.4	0.144	
1155157.6	15297710.9	1008.9	59.363	48.923	39.5	76.925	9.8	6.121	0.208	0.243	49.4	0.320	2.8	0.129	-0.056	-23.5	0.141	
1155160.4	15297706.8	1009.5	66.054	55.156	39.9	86.054	10.0	6.848	0.283	0.321	48.6	0.428	1.8	0.108	-0.097	-41.9	0.146	
1155163.3	15297702.7	1010.2	73.755	62.398	40.2	96.609	10.2	7.688	0.376	0.422	48.3	0.565	1.1	0.054	-0.172	-72.7	0.180	
1155166.1	15297698.5	1010.7	82.310	70.513	40.6	108.384	10.1	8.625	0.488	0.548	48.3	0.734	0.6	-0.031	-0.277	83.5	0.279	
1155169.0	15297694.4	1011.2	91.849	79.563	40.9	121.517	9.9	9.670	0.616	0.700	48.7	0.933	0.3	-0.161	-0.427	69.4	0.456	
1155171.8	15297690.3	1012.0	103.516	90.500	41.2	137.498	9.6	10.942	0.755	0.875	49.2	1.156	0.2	-0.413	-0.713	59.9	0.824	
1155174.6	15297686.2	1012.4	114.227	100.282	41.3	152.001	8.9	12.096	0.893	1.059	49.9	1.385	0.5	-0.609	-0.933	56.8	1.114	
1155177.5	15297682.1	1012.7	125.076	109.581	41.2	166.289	8.1	13.233	1.009	1.228	50.6	1.589	1.0	-0.834	-1.176	54.6	1.442	
1155180.3	**15297678.0**	**1013.5**	**138.525**	**120.339**	**41.0**	**183.496**	**7.0**	**14.602**	**1.080**	**1.355**	**51.4**	**1.733**	**1.4**	**-1.221**	**-1.605**	**52.8**	**2.016**	**EF exceeds limit NG**
1155183.2	**15297673.9**	**1014.1**	**150.582**	**128.280**	**40.4**	**197.815**	**5.7**	**15.742**	**1.078**	**1.405**	**52.5**	**1.771**	**1.7**	**-1.539**	**-1.943**	**51.6**	**2.478**	**EF exceeds limit NG**
1155186.0	**15297669.8**	**1014.3**	**157.248**	**129.364**	**39.4**	**203.622**	**4.3**	**16.204**	**0.980**	**1.351**	**54.1**	**1.669**	**2.0**	**-1.633**	**-1.984**	**50.5**	**2.569**	**BF and EF exceed limits NG**
1155188.9	**15297665.6**	**1014.6**	**161.032**	**126.002**	**38.0**	**204.469**	**3.0**	**16.271**	**0.786**	**1.205**	**56.9**	**1.439**	**1.4**	**-1.623**	**-1.889**	**49.3**	**2.490**	**BF exceeds limit NG**
1155191.7	**15297661.5**	**1015.0**	**164.082**	**120.253**	**36.2**	**203.430**	**1.7**	**16.188**	**0.525**	**1.003**	**62.4**	**1.132**	**2.6**	**-1.535**	**-1.738**	**48.5**	**2.319**	**BF exceeds limit NG**

1155194.5	**15297657.4**	**1015.6**	**166.642**	**112.612**	**34.0**	**201.124**	**0.3**	**16.005**	**0.280**	**0.788**	**70.4**	**0.837**	**17.7**	**-1.314**	**-1.517**	**49.1**	**2.007**	**BF exceeds limit NG**
1155197.4	15297653.3	1016.4	169.191	104.003	31.6	198.601	1.3	15.804	0.339	0.597	60.4	0.686	56.5	-0.922	-1.239	53.4	1.545	
1155200.2	15297649.2	1016.8	167.301	92.626	29.0	191.231	2.8	15.218	0.583	0.447	37.5	0.735	57.7	-0.429	-0.895	64.4	0.993	
1155203.1	15297645.1	1017.2	164.297	82.065	26.5	183.652	4.6	14.615	0.793	0.355	24.1	0.869	32.5	0.080	-0.602	-82.5	0.607	
1155205.9	15297641.0	1017.6	160.411	73.750	24.7	176.552	7.3	14.050	0.894	0.337	20.7	0.955	19.6	0.524	-0.392	-36.8	0.654	
1155208.8	15297636.8	1017.8	154.841	68.490	23.9	169.313	11.0	13.473	0.850	0.421	26.3	0.948	10.8	0.807	-0.271	-18.5	0.852	
1155211.6	15297632.7	1018.0	149.610	68.338	24.5	164.479	15.8	13.089	0.657	0.610	42.9	0.896	2.8	0.931	-0.255	-15.3	0.965	
1155214.4	15297628.6	1019.3	158.067	81.871	27.4	178.011	20.5	14.166	0.391	0.889	66.2	0.971	23.1	0.998	-0.646	-32.9	1.189	
1155217.3	15297624.5	1019.9	158.553	95.160	31.0	184.918	25.0	14.715	0.321	1.256	75.7	1.296	22.5	0.644	-1.097	-59.6	1.272	
1155220.1	**15297620.4**	**1020.0**	**153.727**	**107.729**	**35.0**	**187.717**	**29.3**	**14.938**	**0.679**	**1.657**	**67.7**	**1.791**	**13.2**	**0.135**	**-1.496**	**-84.8**	**1.503**	**EF exceeds limit NG**
1155223.0	**15297616.3**	**1020.2**	**149.281**	**121.615**	**39.2**	**192.549**	**32.6**	**15.323**	**1.105**	**2.016**	**61.3**	**2.299**	**8.1**	**-0.416**	**-1.936**	**77.9**	**1.980**	**EF exceeds limit NG**
1155225.8	**15297612.2**	**1020.3**	**142.377**	**132.471**	**42.9**	**194.473**	**34.9**	**15.476**	**1.437**	**2.226**	**57.2**	**2.650**	**5.7**	**-0.880**	**-2.227**	**68.5**	**2.395**	**EF exceeds limit NG**
1155228.6	**15297608.0**	**1020.6**	**135.321**	**140.667**	**46.1**	**195.189**	**36.3**	**15.533**	**1.614**	**2.215**	**53.9**	**2.741**	**5.3**	**-1.311**	**-2.466**	**62.0**	**2.793**	**EF exceeds limit NG**
1155231.5	**15297603.9**	**1021.0**	**125.400**	**141.934**	**48.5**	**189.395**	**37.5**	**15.072**	**1.615**	**1.973**	**50.7**	**2.549**	**6.1**	**-1.564**	**-2.429**	**57.2**	**2.889**	**EF exceeds limit NG**
1155234.3	**15297599.8**	**1021.2**	**112.443**	**134.865**	**50.2**	**175.591**	**38.9**	**13.973**	**1.476**	**1.577**	**46.9**	**2.160**	**7.5**	**-1.546**	**-2.051**	**53.0**	**2.568**	**EF exceeds limit NG**
1155237.2	**15297595.7**	**1021.4**	**99.685**	**123.748**	**51.1**	**158.904**	**40.3**	**12.645**	**1.270**	**1.149**	**42.1**	**1.712**	**9.5**	**-1.409**	**-1.577**	**48.2**	**2.115**	**EF exceeds limit NG**
1155240.0	15297591.6	1021.6	88.181	111.127	51.6	141.862	41.7	11.289	1.047	0.769	36.3	1.299	12.2	-1.227	-1.120	42.4	1.661	
1155242.9	15297587.5	1021.9	78.065	98.388	51.6	125.596	43.0	9.995	0.839	0.472	29.4	0.962	15.5	-1.028	-0.725	35.2	1.258	
1155245.7	15297583.4	1022.1	69.178	86.263	51.3	110.575	44.2	8.799	0.656	0.263	21.8	0.707	19.0	-0.824	-0.408	26.4	0.919	
1155248.5	15297579.3	1022.1	61.246	75.031	50.8	96.854	45.2	7.707	0.504	0.135	15.0	0.522	22.1	-0.617	-0.172	15.6	0.640	
1155251.4	15297575.1	1022.0	54.138	64.906	50.2	84.520	45.8	6.726	0.379	0.093	13.8	0.391	23.7	-0.418	-0.016	2.1	0.418	
1155254.2	15297571.0	1022.0	48.370	56.674	49.5	74.509	46.3	5.929	0.280	0.113	22.0	0.302	25.2	-0.284	0.083	-16.3	0.296	
1155257.1	15297566.9	1022.1	43.384	49.653	48.9	65.936	46.6	5.247	0.202	0.134	33.6	0.243	25.3	-0.177	0.143	-39.0	0.227	
1155259.9	15297562.8	1022.0	38.975	43.587	48.2	58.471	46.7	4.653	0.141	0.145	45.8	0.202	23.3	-0.087	0.172	-63.2	0.193	
1155262.8	15297558.7	1022.0	35.217	38.510	47.6	52.185	46.7	4.153	0.094	0.148	57.5	0.175	20.9	-0.022	0.188	-83.4	0.189	
1155265.6	15297554.6	1022.3	32.041	34.283	46.9	46.925	46.7	3.734	0.059	0.145	67.8	0.157	18.9	0.025	0.203	82.9	0.204	
1155268.4	15297550.5	1022.9	29.342	30.738	46.3	42.494	46.6	3.382	0.035	0.139	76.0	0.143	17.7	0.062	0.222	74.5	0.230	
1155271.3	15297546.3	1023.7	26.985	27.697	45.7	38.669	46.5	3.077	0.022	0.131	80.3	0.133	16.9	0.095	0.242	68.6	0.260	
1155274.1	15297542.2	1023.4	24.574	24.776	45.2	34.896	46.1	2.777	0.020	0.121	80.6	0.123	13.6	0.123	0.217	60.5	0.249	
1155277.0	15297538.1	1023.9	22.629	22.410	44.7	31.848	45.8	2.534	0.027	0.112	76.6	0.115	12.5	0.146	0.217	56.2	0.262	
1155279.8	15297534.0	1023.7	20.768	20.241	44.3	29.000	45.4	2.308	0.033	0.103	72.5	0.108	10.5	0.160	0.196	50.9	0.253	
1155282.6	15297529.9	1023.9	19.174	18.398	43.8	26.574	45.0	2.115	0.037	0.094	68.3	0.101	9.3	0.172	0.185	47.2	0.253	
1155285.5	15297525.8	1024.0	17.733	16.769	43.4	24.406	44.7	1.942	0.041	0.086	64.6	0.095	8.3	0.179	0.172	43.8	0.249	
1155288.3	15297521.7	1024.2	16.464	15.352	43.0	22.511	44.3	1.791	0.043	0.079	61.2	0.090	7.6	0.187	0.164	41.3	0.248	
1155291.2	15297517.5	1024.4	15.308	14.087	42.6	20.803	43.9	1.655	0.045	0.072	58.1	0.085	6.9	0.190	0.153	38.8	0.244	
1155294.0	15297513.4	1024.4	14.257	12.959	42.3	19.266	43.5	1.533	0.045	0.066	55.4	0.080	6.3	0.191	0.141	36.4	0.237	
1155296.9	15297509.3	1024.4	13.308	11.956	41.9	17.889	43.1	1.424	0.045	0.060	52.9	0.075	5.8	0.190	0.130	34.3	0.230	
1155299.7	15297505.2	1024.3	12.435	11.051	41.6	16.636	42.7	1.324	0.045	0.055	50.7	0.071	5.2	0.186	0.116	32.0	0.219	
1155302.5	15297501.1	1023.8	11.632	10.233	41.3	15.493	42.3	1.233	0.044	0.050	48.7	0.067	4.6	0.178	0.100	29.3	0.204	

Critical Energy/Electric Infrastructure Information (CEII) Has Been Redacted From This Document

PLS-CADD Version 20.01x64 12:33:18 PM Thursday, February 27, 2025
Quanta Services - Dashiell
Project Name: 'C:\projects\L69\0058-T0069-701 REV 1-0D PLS-CADD MODEL.don'
Line Title: 'Proposed Rebuild'

3D EMF Calculation Notes:
1) Calculations based on the EPRI Red Book methods (3rd Edition, 2005 - 7.4 Calculation of Magnetic Fields and Appendices 7.1 Calculation of Field Ellipse Parameters and 7.6 Electric Field Calculations for 3D Geometry).
2) All wire positions are modeled at the specified weather case and wind direction. Height above ground determined by the modeled ground TIN.
3) Only the effects of wires are being analyzed. The effects of structures are not included unless enabled as noted below.
4) Ground return is being ignored for magnetic field calculations.

Meter height above ground:	3.28 (ft)
Maximum wire distance:	500.00 (ft)
Maximum cable segment size:	5.00 (ft)
Cross section offset +/-:	75.00 (ft)
Result interval:	5.00 (ft)
Electric field limit:	1.60 (kV/m)
Magnetic field limit:	200.00 (mG)
Space potential limit:	0.00 (kV)
Contour Map Spacing:	15 (ft)
Analyzing spans between these structures:	9 - 9-1

One or more sections have wind from both directions which is not supported. A wind direction of left is being used for those sections.

Section Data for 3D EMF Results:

Section Number	Section Note	Voltage Ph-Ph (kV)	Current (Amps)	Cable Filename	Cable Description	Conductors Per Phase	Bundle Diameter (in)	Cable Radius (in)	Weather Case	Condition	Wind Dir.	WC Temperature (deg F)	Effective Radius (in)
9		0.0	0.0	7no_7_alumoweld - 1500.wir	7#7 Alumoweld 7 Strands Alumoweld - Adapted from 1970's Publicly Available Data	1	0.000	0.216	SW/OPGW EMF	Creep FE	Left	41.000	0.216
10		0.0	0.0	7no_7_alumoweld - 3500.wir	7#7 Alumoweld 7 Strands Alumoweld - Adapted from 1970's Publicly Available Data	1	0.000	0.216	SW/OPGW EMF	Creep FE	Left	41.000	0.216
11		0.0	0.0	7no_7_alumoweld - 4200.wir	7#7 Alumoweld 7 Strands Alumoweld - Adapted from 1970's Publicly Available Data	1	0.000	0.216	SW/OPGW EMF	Creep FE	Left	41.000	0.216
22		0.0	0.0	TF-DNO-11467 - 1500.wir	AFL OPGW DNO-11467 S4-53/61/583	1	0.000	0.291	SW/OPGW EMF	Creep FE	Left	41.000	0.291
24		0.0	0.0	TF-DNO-11467 - 3250.wir	AFL OPGW DNO-11467 S4-53/61/583	1	0.000	0.291	SW/OPGW EMF	Creep FE	Left	41.000	0.291
25		0.0	0.0	TF-DNO-11467 - 3900.wir	AFL OPGW DNO-11467 S4-53/61/583	1	0.000	0.291	SW/OPGW EMF	Creep FE	Left	41.000	0.291
26		0.0	0.0	TF-DNO-11467 - 4800.wir	AFL OPGW DNO-11467 S4-53/61/583	1	0.000	0.291	SW/OPGW EMF	Creep FE	Left	41.000	0.291
27		0.0	0.0	TF-DNO-11467 - 4960.wir	AFL OPGW DNO-11467 S4-53/61/583	1	0.000	0.291	SW/OPGW EMF	Creep FE	Left	41.000	0.291
35		230.0	[redacted]	bluebird_acsr - 10000.wir	2156 kcmil 84/19 Strands BLUEBIRD ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.881	WINTER NORMAL 203F	EMF Creep FE	Left	203.000	0.881
36		230.0	[redacted]	bluebird_acsr - 10000.wir	2156 kcmil 84/19 Strands BLUEBIRD ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.881	WINTER NORMAL 203F	EMF Creep FE	Left	203.000	0.881
37		230.0	[redacted]	bluebird_acsr - 11500.wir	2156 kcmil 84/19 Strands BLUEBIRD ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.881	WINTER NORMAL 203F	EMF Creep FE	Left	203.000	0.881
40		230.0	[redacted]	bluebird_acsr - 12000.wir	2156 kcmil 84/19 Strands BLUEBIRD ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.881	WINTER NORMAL 203F	EMF Creep FE	Left	203.000	0.881
41		230.0	[redacted]	bluebird_acsr - 1500.wir	2156 kcmil 84/19 Strands BLUEBIRD ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.881	WINTER NORMAL 203F	EMF Creep FE	Left	203.000	0.881

Centerline results between structures 9 and 9-1

3D EMF Point Results Centerline from 9 to 9-1:

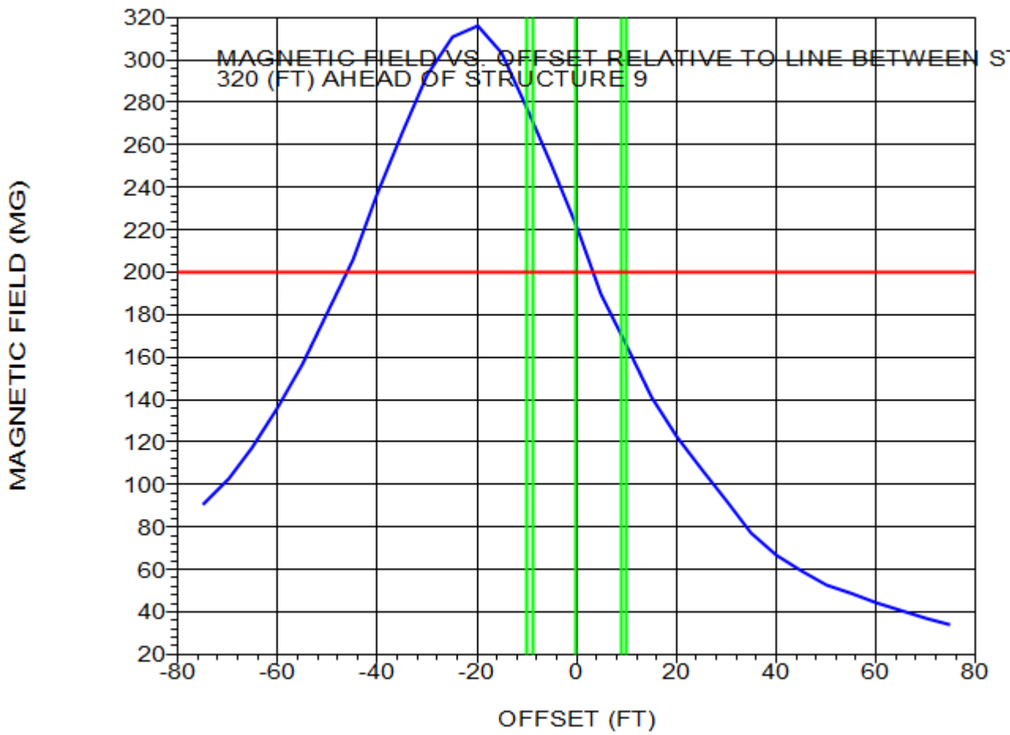
Measurement X (ft)	Measurement Y (ft)	Measurement Z (ft)	B Real (mG)	B Imaginary (mG)	B Angle (deg)	B Magnitude (mG)	B Polarization Axial Ratio %	H Magnitude (A/m)	EF Real (kV/m)	EF Imaginary (kV/m)	EF Angle (deg)	EF Magnitude (kV/m)	EF Polarization Axial Ratio %	Space Potential Real (kV)	Space Potential Imaginary (kV)	Space Potential Angle (deg)	Space Potential Magnitude (kV)
1159598.1	15299127.9	1258.4	56.975	33.034	30.1	65.859	9.2	5.241	0.100	0.042	22.6	0.108	23.1	-2.150	-0.967	24.2	2.357
1159602.9	15299126.4	1258.4	56.880	32.866	30.0	65.693	9.1	5.228	0.114	0.047	22.3	0.124	21.7	-2.265	-1.010	24.0	2.480
1159607.7	15299124.8	1258.4	56.839	32.735	29.9	65.591	9.1	5.220	0.130	0.053	22.1	0.140	20.8	-2.393	-1.057	23.8	2.616
1159612.4	15299123.3	1258.3	56.806	32.619	29.9	65.505	9.1	5.213	0.146	0.059	22.0	0.158	20.1	-2.538	-1.109	23.6	2.770
1159617.2	15299121.7	1258.2	56.830	32.543	29.8	65.488	9.1	5.211	0.164	0.066	21.9	0.177	19.6	-2.697	-1.167	23.4	2.939
1159621.9	15299120.2	1258.1	56.955	32.534	29.7	65.592	9.1	5.220	0.182	0.073	21.9	0.196	19.4	-2.869	-1.230	23.2	3.121
1159626.7	15299118.6	1258.2	57.192	32.596	29.7	65.829	9.2	5.238	0.201	0.081	21.9	0.217	19.3	-3.052	-1.296	23.0	3.316
1159631.4	15299117.1	1258.5	57.725	32.834	29.6	66.410	9.3	5.285	0.220	0.089	22.0	0.237	19.4	-3.235	-1.361	22.8	3.510
1159636.2	15299115.5	1258.9	58.451	33.186	29.6	67.215	9.5	5.349	0.238	0.097	22.2	0.257	19.5	-3.421	-1.427	22.6	3.707
1159640.9	15299114.0	1260.0	59.871	33.937	29.5	68.820	9.8	5.477	0.254	0.105	22.5	0.275	19.8	-3.576	-1.478	22.5	3.869
1159645.7	15299112.5	1261.7	61.917	35.045	29.5	71.147	10.2	5.662	0.267	0.113	23.0	0.290	20.1	-3.696	-1.514	22.3	3.994
1159650.4	15299110.9	1263.7	64.643	36.537	29.5	74.254	10.6	5.909	0.277	0.122	23.7	0.303	20.2	-3.775	-1.532	22.1	4.074

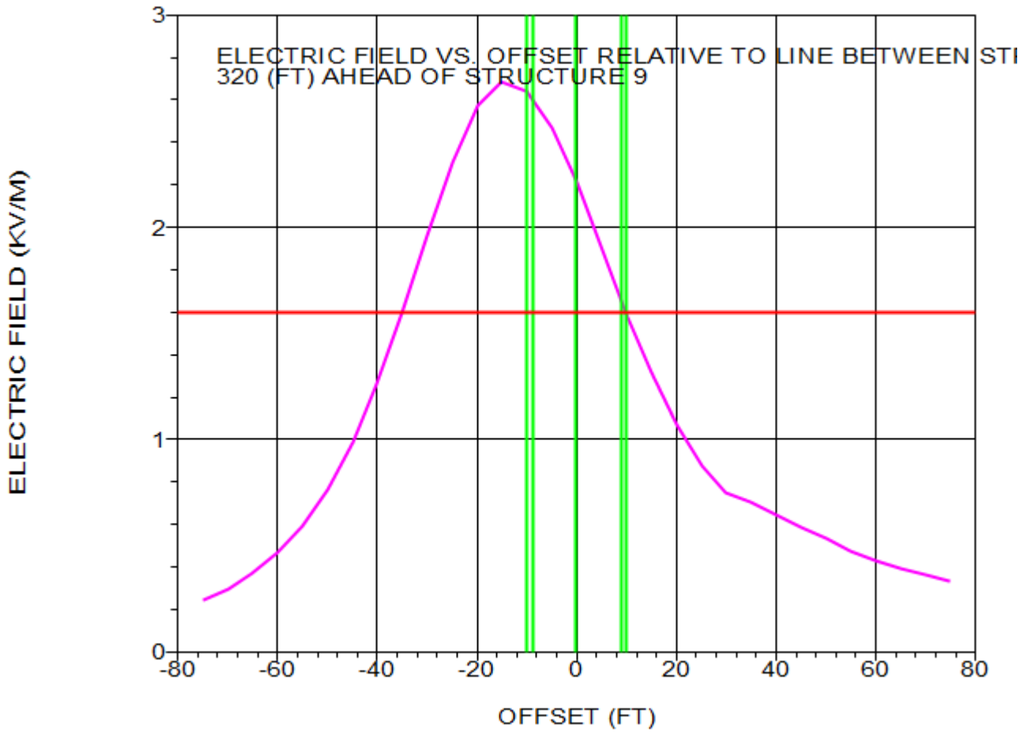
1159655.2	15299109.4	1264.9	66.524	37.543	29.4	76.387	11.0	6.079	0.293	0.131	24.1	0.321	20.2	-3.911	-1.574	21.9	4.215	
1159660.0	15299107.8	1265.7	67.997	38.311	29.4	78.047	11.2	6.211	0.311	0.140	24.2	0.341	20.2	-4.078	-1.628	21.8	4.391	
1159664.7	15299106.3	1266.8	70.126	39.441	29.4	80.456	11.6	6.403	0.327	0.149	24.5	0.360	20.1	-4.203	-1.665	21.6	4.521	
1159669.5	15299104.7	1267.8	72.059	40.449	29.3	82.635	11.9	6.576	0.345	0.158	24.7	0.379	20.0	-4.344	-1.708	21.5	4.668	
1159674.2	15299103.2	1268.1	73.157	40.974	29.3	83.850	12.0	6.673	0.367	0.168	24.6	0.403	20.0	-4.547	-1.778	21.4	4.882	
1159679.0	15299101.6	1269.4	75.832	42.371	29.2	86.867	12.4	6.913	0.382	0.178	24.9	0.421	19.7	-4.635	-1.800	21.2	4.972	
1159683.7	15299100.1	1269.8	77.346	43.101	29.1	88.544	12.6	7.046	0.403	0.187	24.9	0.445	19.7	-4.809	-1.859	21.1	5.156	
1159688.5	15299098.5	1270.3	78.831	43.800	29.1	90.182	12.7	7.176	0.426	0.197	24.9	0.469	19.6	-4.985	-1.920	21.1	5.342	
1159693.2	15299097.0	1270.9	80.704	44.696	29.0	92.254	12.9	7.341	0.447	0.207	24.9	0.492	19.5	-5.131	-1.968	21.0	5.496	
1159698.0	15299095.4	1271.4	82.431	45.495	28.9	94.152	13.0	7.492	0.469	0.217	24.9	0.517	19.3	-5.288	-2.022	20.9	5.661	
1159702.7	15299093.9	1272.0	84.483	46.452	28.8	96.411	13.2	7.672	0.491	0.227	24.9	0.541	19.2	-5.417	-2.064	20.9	5.797	
1159707.5	15299092.3	1272.5	86.420	47.327	28.7	98.531	13.3	7.841	0.514	0.238	24.8	0.566	19.0	-5.555	-2.109	20.8	5.942	
1159712.3	15299090.8	1273.3	89.005	48.530	28.6	101.375	13.5	8.067	0.535	0.248	24.9	0.590	18.6	-5.640	-2.132	20.7	6.029	
1159717.0	15299089.2	1274.2	91.836	49.838	28.5	104.488	13.7	8.315	0.556	0.259	25.0	0.613	18.2	-5.705	-2.145	20.6	6.095	
1159721.8	15299087.7	1275.0	94.748	51.162	28.4	107.679	13.8	8.569	0.578	0.269	25.0	0.638	17.7	-5.764	-2.154	20.5	6.153	
1159726.5	15299086.2	1275.3	96.448	51.819	28.2	109.487	13.9	8.713	0.606	0.280	24.8	0.668	17.6	-5.915	-2.203	20.4	6.311	
1159731.3	15299084.6	1275.5	98.167	52.468	28.1	111.309	13.9	8.858	0.636	0.290	24.5	0.699	17.5	-6.064	-2.249	20.4	6.467	
1159736.0	15299083.1	1275.8	99.929	53.120	28.0	113.171	13.9	9.006	0.666	0.301	24.3	0.731	17.3	-6.209	-2.293	20.3	6.619	
1159740.8	15299081.5	1276.1	101.981	53.901	27.9	115.349	13.9	9.179	0.697	0.312	24.1	0.764	17.0	-6.331	-2.324	20.2	6.744	
1159745.5	15299080.0	1276.6	104.357	54.824	27.7	117.882	14.0	9.381	0.727	0.322	23.9	0.796	16.7	-6.425	-2.343	20.0	6.839	
1159750.3	15299078.4	1277.1	107.161	55.936	27.6	120.882	14.0	9.619	0.757	0.333	23.8	0.827	16.3	-6.483	-2.345	19.9	6.894	
1159755.0	15299076.9	1277.7	110.181	57.124	27.4	124.109	14.1	9.876	0.787	0.344	23.6	0.858	15.8	-6.522	-2.338	19.7	6.929	
1159759.8	15299075.3	1277.7	111.415	57.404	27.3	125.334	14.0	9.974	0.825	0.354	23.3	0.898	15.8	-6.700	-2.388	19.6	7.113	
1159764.6	15299073.8	1278.0	114.009	58.331	27.1	128.064	14.0	10.191	0.858	0.365	23.1	0.932	15.4	-6.767	-2.392	19.5	7.177	
1159769.3	15299072.2	1278.4	116.670	59.261	26.9	130.858	14.0	10.413	0.892	0.376	22.8	0.968	15.0	-6.824	-2.390	19.3	7.231	
1159774.1	15299070.7	1278.7	119.002	60.007	26.8	133.275	14.0	10.606	0.928	0.386	22.6	1.005	14.7	-6.904	-2.398	19.1	7.309	
1159778.8	15299069.1	1278.9	121.263	60.694	26.6	135.604	14.0	10.791	0.966	0.397	22.3	1.044	14.4	-6.987	-2.405	19.0	7.389	
1159783.6	15299067.6	1279.4	124.639	61.873	26.4	139.151	14.0	11.073	1.000	0.407	22.2	1.080	13.9	-6.976	-2.375	18.8	7.369	
1159788.3	15299066.0	1279.5	126.706	62.416	26.2	141.245	13.9	11.240	1.040	0.418	21.9	1.121	13.6	-7.067	-2.384	18.6	7.458	
1159793.1	15299064.5	1279.9	129.635	63.327	26.0	144.276	13.9	11.481	1.078	0.428	21.6	1.160	13.2	-7.085	-2.364	18.4	7.469	
1159797.8	15299063.0	1279.6	130.369	63.225	25.9	144.891	13.7	11.530	1.127	0.438	21.2	1.209	13.1	-7.278	-2.409	18.3	7.666	
1159802.6	15299061.4	1280.6	136.064	65.305	25.6	150.924	13.8	12.010	1.156	0.448	21.2	1.240	12.2	-7.066	-2.301	18.0	7.432	
1159807.4	15299059.9	1280.9	139.001	66.121	25.4	153.926	13.7	12.249	1.198	0.458	20.9	1.282	11.8	-7.076	-2.276	17.8	7.433	
1159812.1	15299058.3	1280.5	139.330	65.787	25.3	154.081	13.5	12.261	1.251	0.467	20.5	1.336	11.8	-7.292	-2.325	17.7	7.654	
1159816.9	15299056.8	1280.8	142.507	66.657	25.1	157.325	13.4	12.520	1.296	0.477	20.2	1.381	11.4	-7.278	-2.289	17.5	7.630	
1159821.6	15299055.2	1280.8	144.332	66.930	24.9	159.096	13.2	12.660	1.348	0.487	19.9	1.433	11.2	-7.374	-2.290	17.3	7.722	
1159826.4	15299053.7	1281.2	148.125	67.996	24.7	162.986	13.1	12.970	1.394	0.496	19.6	1.480	10.6	-7.308	-2.233	17.0	7.642	
1159831.1	15299052.1	1281.1	149.628	68.094	24.5	164.394	12.9	13.082	1.452	0.505	19.2	1.538	10.5	-7.427	-2.240	16.8	7.758	
1159835.9	15299050.6	1281.2	152.408	68.690	24.3	167.172	12.8	13.303	1.507	0.515	18.9	1.592	10.1	-7.438	-2.210	16.5	7.759	
1159840.6	**15299049.0**	**1281.8**	**157.787**	**70.281**	**24.0**	**172.731**	**12.8**	**13.745**	**1.552**	**0.525**	**18.7**	**1.638**	**9.5**	**-7.227**	**-2.109**	**16.3**	**7.528**	**EF exceeds limit NG**
1159845.4	**15299047.5**	**1281.6**	**158.749**	**70.106**	**23.8**	**173.540**	**12.5**	**13.810**	**1.615**	**0.534**	**18.3**	**1.702**	**9.4**	**-7.370**	**-2.126**	**16.1**	**7.670**	**EF exceeds limit NG**
1159850.1	**15299045.9**	**1281.8**	**162.106**	**70.840**	**23.6**	**176.908**	**12.4**	**14.078**	**1.669**	**0.544**	**18.1**	**1.756**	**9.0**	**-7.303**	**-2.078**	**15.9**	**7.593**	**EF exceeds limit NG**
1159854.9	**15299044.4**	**1282.0**	**165.067**	**71.395**	**23.4**	**179.845**	**12.2**	**14.312**	**1.725**	**0.555**	**17.8**	**1.812**	**8.7**	**-7.254**	**-2.039**	**15.7**	**7.535**	**EF exceeds limit NG**
1159859.7	**15299042.8**	**1282.0**	**167.920**	**71.885**	**23.2**	**182.659**	**12.0**	**14.536**	**1.780**	**0.565**	**17.6**	**1.867**	**8.4**	**-7.196**	**-2.002**	**15.5**	**7.469**	**EF exceeds limit NG**
1159864.4	**15299041.3**	**1282.3**	**171.896**	**72.759**	**22.9**	**186.661**	**11.9**	**14.854**	**1.830**	**0.575**	**17.4**	**1.918**	**7.9**	**-7.025**	**-1.932**	**15.4**	**7.286**	**EF exceeds limit NG**
1159869.2	**15299039.7**	**1282.4**	**175.134**	**73.335**	**22.7**	**189.868**	**11.7**	**15.109**	**1.882**	**0.584**	**17.2**	**1.971**	**7.6**	**-6.892**	**-1.878**	**15.2**	**7.143**	**EF exceeds limit NG**
1159873.9	**15299038.2**	**1282.7**	**179.459**	**74.265**	**22.5**	**194.218**	**11.5**	**15.455**	**1.929**	**0.593**	**17.1**	**2.018**	**7.1**	**-6.643**	**-1.793**	**15.1**	**6.881**	**EF exceeds limit NG**
1159878.7	**15299036.7**	**1283.2**	**185.874**	**75.874**	**22.2**	**200.763**	**11.4**	**15.976**	**1.968**	**0.602**	**17.0**	**2.058**	**6.4**	**-6.200**	**-1.654**	**14.9**	**6.417**	**BF and EF exceed limits NG**
1159883.4	**15299035.1**	**1283.5**	**190.716**	**76.900**	**22.0**	**205.636**	**11.2**	**16.364**	**2.010**	**0.608**	**16.8**	**2.100**	**5.9**	**-5.872**	**-1.551**	**14.8**	**6.074**	**BF and EF exceed limits NG**
1159888.2	**15299033.6**	**1283.8**	**195.948**	**78.005**	**21.7**	**210.904**	**11.0**	**16.783**	**2.046**	**0.614**	**16.7**	**2.136**	**5.4**	**-5.451**	**-1.427**	**14.7**	**5.635**	**BF and EF exceed limits NG**
1159892.9	**15299032.0**	**1283.7**	**198.265**	**78.124**	**21.5**	**213.102**	**10.7**	**16.958**	**2.084**	**0.618**	**16.5**	**2.173**	**5.2**	**-5.199**	**-1.358**	**14.6**	**5.373**	**BF and EF exceed limits NG**
1159897.7	**15299030.5**	**1283.7**	**201.466**	**78.516**	**21.3**	**216.226**	**10.5**	**17.207**	**2.108**	**0.620**	**16.4**	**2.198**	**4.8**	**-4.821**	**-1.260**	**14.6**	**4.983**	**BF and EF exceed limits NG**
1159902.4	**15299028.9**	**1283.9**	**205.763**	**79.232**	**21.1**	**220.491**	**10.2**	**17.546**	**2.119**	**0.621**	**16.3**	**2.208**	**4.4**	**-4.301**	**-1.129**	**14.7**	**4.447**	**BF and EF exceed limits NG**
1159907.2	**15299027.4**	**1283.3**	**203.589**	**77.934**	**20.9**	**217.996**	**9.8**	**17.348**	**2.131**	**0.619**	**16.2**	**2.219**	**4.4**	**-4.180**	**-1.117**	**15.0**	**4.326**	**BF and EF exceed limits NG**
1159912.0	**15299025.8**	**1282.7**	**201.091**	**76.566**	**20.8**	**215.174**	**9.4**	**17.123**	**2.129**	**0.616**	**16.1**	**2.216**	**4.5**	**-4.015**	**-1.098**	**15.3**	**4.163**	**BF and EF exceed limits NG**
1159916.7	**15299024.3**	**1282.3**	**200.029**	**75.664**	**20.7**	**213.862**	**9.1**	**17.019**	**2.111**	**0.611**	**16.1**	**2.197**	**4.3**	**-3.679**	**-1.038**	**15.8**	**3.823**	**BF and EF exceed limits NG**
1159921.5	**15299022.7**	**1281.7**	**197.272**	**74.273**	**20.6**	**210.791**	**8.7**	**16.774**	**2.083**	**0.604**	**16.2**	**2.169**	**4.3**	**-3.407**	**-0.998**	**16.3**	**3.550**	**BF and EF exceed limits NG**
1159926.2	**15299021.2**	**1281.1**	**194.742**	**72.977**	**20.5**	**207.966**	**8.3**	**16.549**	**2.044**	**0.596**	**16.2**	**2.129**	**4.1**	**-3.067**	**-0.942**	**17.1**	**3.208**	**BF and EF exceed limits NG**
1159931.0	**15299019.6**	**1280.2**	**189.625**	**70.937**	**20.5**	**202.459**	**7.9**	**16.111**	**2.000**	**0.586**	**16.3**	**2.084**	**4.1**	**-2.874**	**-0.926**	**17.9**	**3.020**	**BF and EF exceed limits NG**
1159935.7	**15299018.1**	**1279.5**	**186.734**	**69.581**	**20.4**	**199.276**	**7.5**	**15.858**	**1.945**	**0.574**	**16.4**	**2.028**	**3.8**	**-2.485**	**-0.854**	**19.0**	**2.627**	**EF exceeds limit NG**
1159940.5	**15299016.5**	**1278.3**	**179.456**	**66.948**	**20.5**	**191.537**	**7.1**	**15.242**	**1.890**	**0.561**	**16.5**	**1.971**	**3.8**	**-2.400**	**-0.862**	**19.8**	**2.550**	**EF exceeds limit NG**
1159945.2	**15299015.0**	**1277.6**	**175.715**	**65.375**	**20.4**	**187.482**	**6.7**	**14.919**	**1.827**	**0.546**	**16.6**	**1.907**	**3.5**	**-2.038**	**-0.789**	**21.2**	**2.185**	**EF exceeds limit NG**
1159950.0	**15299013.5**	**1276.5**	**169.660**	**63.125**	**20.4**	**181.023**	**6.3**	**14.405**	**1.764**	**0.531**	**16.7**	**1.842**	**3.4**	**-1.845**	**-0.758**	**22.3**	**1.995**	**EF exceeds limit NG**
1159954.7	**15299011.9**	**1275.4**	**163.785**	**60.932**	**20.4**	**174.752**	**6.0**	**13.906**	**1.699**	**0.514**	**16.8**	**1.775**	**3.2**	**-1.641**	**-0.718**	**23.6**	**1.791**	**EF exceeds limit NG**
1159959.5	**15299010.4**	**1274.1**	**157.036**	**58.474**	**20.4**	**167.569**	**5.6**	**13.335**	**1.633**	**0.496**	**16.9**	**1.707**	**3.1**	**-1.509**	**-0.693**	**24.6**	**1.661**	**EF exceeds limit NG**
1159964.3	**15299008.8**	**1272.8**	**150.215**	**55.987**	**20.4**	**160.309**	**5.2**	**12.757**	**1.566**	**0.477**	**16.9**	**1.637**	**3.0**	**-1.392**	**-0.667**	**25.6**	**1.544**	**EF exceeds limit NG**
1159969.0	15299007.3	1271.5	143.900	53.640	20.4	153.572	4.8	12.221	1.498	0.458	17.0	1.566	2.9	-1.242	-0.629	26.8	1.393	
1159973.8	15299005.7	1270.4	138.281	51.493	20.4	147.558	4.5	11.742	1.429	0.438	17.0	1.495	2.8	-1.042	-0.574	28.9	1.190	
1159978.5	15299004.2	1268.8	130.295	48.632	20.5	139.075	4.1	11.067	1.359	0.418	17.1	1.422	2.8	-1.039	-0.573	28.8	1.187	
1159983.3	15299002.6	1266.9	121.259	45.459	20.6	129.500	3.7	10.305	1.288	0.398	17.2	1.348	2.8	-1.132	-0.596	27.8	1.280	
1159988.0	15299001.1	1265.0	112.569	42.409	20.6	120.292	3.4	9.573	1.216	0.378	17.3	1.273	2.8	-1.204	-0.613	27.0	1.351	
1159992.8	15298999.5	1263.4	104.788	39.669	20.7	112.045	3.1	8.916	1.145	0.358	17.4	1.200	2.6	-1.200	-0.609	26.9	1.346	
1159997.5	15298998.0	1261.7	97.074	36.999	20.9	103.886	2.8	8.267	1.075	0.339	17.5	1.127	2.3	-1.195	-0.605	26.8	1.339	
1160002.3	15298996.4	1260.0	89.777	34.597	21.1	96.213	2.5	7.656	1.006	0.319	17.6	1.055	2.0	-1.175	-0.588	26.6	1.314	

1160007.0	15298994.9	1258.5	82.689	32.233	21.3	88.749	2.2	7.062	0.942	0.301	17.7	0.989	1.6	-1.138	-0.571	26.7	1.273
1160011.8	15298993.3	1257.5	77.112	30.393	21.5	82.885	2.0	6.596	0.884	0.285	17.9	0.929	1.1	-0.967	-0.514	28.0	1.095
1160016.6	15298991.8	1255.8	70.017	28.119	21.9	75.453	1.8	6.004	0.830	0.269	18.0	0.872	0.7	-0.998	-0.516	27.3	1.124
1160021.3	15298990.2	1254.6	64.370	26.325	22.2	69.545	1.6	5.534	0.781	0.255	18.1	0.822	0.4	-0.924	-0.485	27.7	1.043
1160026.1	15298988.7	1253.1	58.787	24.542	22.7	63.704	1.3	5.069	0.739	0.242	18.2	0.777	0.3	-0.922	-0.476	27.3	1.038
1160030.8	15298987.2	1251.6	53.732	22.891	23.1	58.405	1.0	4.648	0.701	0.231	18.2	0.738	0.5	-0.961	-0.480	26.6	1.074
1160035.6	15298985.6	1250.5	50.074	21.672	23.4	54.563	0.7	4.342	0.670	0.221	18.2	0.706	0.8	-0.914	-0.457	26.6	1.022
1160040.3	15298984.1	1249.7	47.319	20.711	23.6	51.653	0.6	4.110	0.645	0.212	18.2	0.679	1.1	-0.850	-0.428	26.7	0.951

Max BF along centerline is 220.491 (mG) at 320.000 (ft) from structure 9

Cross section results at max BF along centerline between structures 9 and 9-1





3D EMF Point Results Span from 9 to 9-1:

Measurement			B					H	EF					Space Potential				
X (ft)	Y (ft)	Z (ft)	Real (mG)	Imaginary (mG)	Angle (deg)	Magnitude (mG)	Polarization Axial Ratio %	Magnitude (A/m)	Real (kV/m)	Imaginary (kV/m)	Angle (deg)	Magnitude (kV/m)	Polarization Axial Ratio %	Real (kV)	Imaginary (kV)	Angle (deg)	Magnitude (kV)	
1159925.6	15299100.2	1312.4	82.049	38.479	25.1	90.624	9.5	7.212	0.216	0.109	26.9	0.242	5.1	0.394	0.129	18.1	0.414	
1159924.1	15299095.5	1312.3	93.313	42.775	24.6	102.650	9.8	8.169	0.270	0.131	25.9	0.300	6.2	0.704	0.268	20.9	0.753	
1159922.6	15299090.7	1312.2	107.148	47.916	24.1	117.374	10.1	9.340	0.338	0.156	24.8	0.373	7.2	1.091	0.428	21.4	1.172	
1159921.0	15299086.0	1312.2	124.457	54.056	23.5	135.689	10.4	10.798	0.427	0.187	23.6	0.466	8.3	1.594	0.623	21.3	1.711	
1159919.5	15299081.2	1310.9	144.707	60.462	22.7	156.831	10.4	12.480	0.549	0.224	22.2	0.593	8.6	2.142	0.802	20.5	2.287	
1159917.9	15299076.5	1308.9	168.417	67.122	21.7	181.300	9.9	14.427	0.714	0.268	20.6	0.763	8.4	2.756	0.964	19.3	2.920	
1159916.4	**15299071.7**	**1305.7**	**192.624**	**72.699**	**20.7**	**205.886**	**8.7**	**16.384**	**0.934**	**0.316**	**18.7**	**0.986**	**7.2**	**3.262**	**1.034**	**17.6**	**3.421**	**BF exceeds limit NG**
1159914.8	**15299067.0**	**1303.5**	**222.487**	**79.328**	**19.6**	**236.207**	**7.4**	**18.797**	**1.209**	**0.368**	**16.9**	**1.264**	**6.3**	**3.920**	**1.129**	**16.1**	**4.080**	**BF exceeds limit NG**
1159913.3	**15299062.2**	**1301.0**	**251.815**	**84.973**	**18.6**	**265.765**	**5.6**	**21.149**	**1.539**	**0.421**	**15.3**	**1.596**	**4.8**	**4.394**	**1.141**	**14.6**	**4.540**	**BF exceeds limit NG**
1159911.7	**15299057.4**	**1298.6**	**278.617**	**89.773**	**17.9**	**292.723**	**3.3**	**23.294**	**1.903**	**0.472**	**13.9**	**1.961**	**3.2**	**4.606**	**1.086**	**13.3**	**4.732**	**BF and EF exceed limits NG**
1159910.2	**15299052.7**	**1296.1**	**296.585**	**93.017**	**17.4**	**310.829**	**0.8**	**24.735**	**2.249**	**0.518**	**13.0**	**2.308**	**1.6**	**4.305**	**0.943**	**12.4**	**4.407**	**BF and EF exceed limits NG**
1159908.6	**15299047.9**	**1293.8**	**301.659**	**94.516**	**17.4**	**316.119**	**2.0**	**25.156**	**2.509**	**0.560**	**12.6**	**2.571**	**0.3**	**3.387**	**0.717**	**12.0**	**3.462**	**BF and EF exceed limits NG**
1159907.1	**15299043.2**	**1291.3**	**288.714**	**93.258**	**17.9**	**303.402**	**4.6**	**24.144**	**2.615**	**0.594**	**12.8**	**2.682**	**0.9**	**1.684**	**0.366**	**12.3**	**1.723**	**BF and EF exceed limits NG**
1159905.5	**15299038.4**	**1288.7**	**262.762**	**89.536**	**18.8**	**277.598**	**7.0**	**22.091**	**2.564**	**0.617**	**13.5**	**2.637**	**1.2**	**-0.517**	**-0.100**	**10.9**	**0.526**	**BF and EF exceed limits NG**
1159904.0	**15299033.7**	**1286.3**	**235.005**	**85.025**	**19.9**	**249.913**	**8.8**	**19.887**	**2.388**	**0.626**	**14.7**	**2.469**	**2.0**	**-2.542**	**-0.590**	**13.1**	**2.610**	**BF and EF exceed limits NG**
1159902.4	**15299028.9**	**1283.9**	**205.763**	**79.232**	**21.1**	**220.491**	**10.2**	**17.546**	**2.119**	**0.621**	**16.3**	**2.208**	**4.4**	**-4.301**	**-1.129**	**14.7**	**4.447**	**BF and EF exceed limits NG**
1159900.9	**15299024.2**	**1281.1**	**175.347**	**71.756**	**22.3**	**189.461**	**11.0**	**15.077**	**1.813**	**0.602**	**18.4**	**1.910**	**8.8**	**-5.766**	**-1.743**	**16.8**	**6.024**	**EF exceeds limit NG**
1159899.4	15299019.4	1278.8	152.141	65.493	23.3	165.639	11.5	13.181	1.484	0.571	21.1	1.590	14.1	-6.298	-2.218	19.4	6.677	
1159897.8	15299014.7	1275.8	128.791	57.979	24.2	141.240	11.6	11.239	1.201	0.534	24.0	1.314	21.0	-6.467	-2.699	22.6	7.008	
1159896.3	15299009.9	1273.2	110.875	51.785	25.0	122.372	11.4	9.738	0.957	0.487	27.0	1.074	28.1	-6.028	-2.990	26.4	6.729	
1159894.7	15299005.1	1270.8	96.585	46.510	25.7	107.201	11.2	8.531	0.764	0.432	29.5	0.878	34.8	-5.260	-3.089	30.4	6.100	
1159893.2	15299000.4	1267.7	82.944	40.973	26.3	92.512	10.7	7.362	0.646	0.388	31.0	0.754	40.3	-4.394	-3.099	35.2	5.377	

1159891.6	15298995.6	1263.0	69.153	34.861	26.8	77.443	9.9	6.163	0.599	0.369	31.6	0.704	43.4	-3.354	-3.020	42.0	4.513
1159890.1	15298990.9	1259.3	59.570	30.537	27.1	66.941	9.3	5.327	0.548	0.341	31.9	0.646	43.1	-2.308	-2.675	49.2	3.533
1159888.5	15298986.1	1256.4	52.619	27.365	27.5	59.310	8.9	4.720	0.496	0.308	31.8	0.584	40.5	-1.454	-2.209	56.6	2.644
1159887.0	15298981.4	1253.8	46.871	24.680	27.8	52.972	8.5	4.215	0.452	0.279	31.7	0.531	36.8	-0.762	-1.721	66.1	1.882
1159885.4	15298976.6	1252.5	42.867	22.837	28.0	48.571	8.2	3.865	0.404	0.247	31.4	0.473	32.6	-0.356	-1.311	74.8	1.358
1159883.9	15298971.9	1251.1	39.198	21.098	28.3	44.516	7.9	3.542	0.365	0.223	31.4	0.428	28.6	-0.037	-0.956	87.8	0.956
1159882.3	15298967.1	1249.2	35.673	19.370	28.5	40.593	7.5	3.230	0.334	0.206	31.7	0.392	25.0	0.249	-0.632	-68.5	0.680
1159880.8	15298962.4	1247.1	32.437	17.745	28.7	36.973	7.2	2.942	0.307	0.194	32.3	0.363	21.9	0.492	-0.344	-35.0	0.600
1159879.2	15298957.6	1245.8	29.901	16.478	28.9	34.141	6.9	2.717	0.280	0.180	32.7	0.332	19.1	0.610	-0.148	-13.6	0.627

Critical Energy/Electric Infrastructure Information (CEII) Has Been Redacted From This Document

PLS-CADD Version 20.01x64 11:02:01 AM Friday, February 28, 2025
Quanta Services - Dashiell
Project Name: 'C:\projects\L68\0026-0068-700 REV 0-0E PLS CADD MODEL.don'
Line Title: 'PROPOSED L723 AND EXISTING L68 MERGED'

3D EMF Calculation Notes:
1) Calculations based on the EPRI Red Book methods (3rd Edition, 2005 - 7.4 Calculation of Magnetic Fields and Appendices 7.1 Calculation of Field Ellipse Parameters and 7.6 Electric Field Calculations for 3D Geometry).
2) All wire positions are modeled at the specified weather case and wind direction. Height above ground determined by the modeled ground TIN.
3) Only the effects of wires are being analyzed. The effects of structures are not included unless enabled as noted below.
4) Ground return is being ignored for magnetic field calculations.

Meter height above ground:	3.28 (ft)
Maximum wire distance:	500.00 (ft)
Maximum cable segment size:	5.00 (ft)
Cross section offset +/-:	175.00 (ft)
Result interval:	5.00 (ft)
Electric field limit:	1.60 (kV/m)
Magnetic field limit:	200.00 (mG)
Space potential limit:	0.00 (kV)
Contour Map Spacing:	15 (ft)
Analyzing spans between these structures:	Undefined (#2 in line) - Undefined (#3 in line)

One or more sections have wind from both directions which is not supported. A wind direction of left is being used for those sections.

Section Data for 3D EMF Results:

Section Number	Section Note	Voltage Ph-Ph (kV)	Current (Amps)	Cable Filename	Cable Description	Conductors Per Phase	Bundle Diameter (in)	Cable Radius (in)	Weather Case	Condition	Wind Dir.	WC Temperature (deg F)	Effective Radius (in)
24		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.217
25		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.217
42		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.217
43		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.217
60		230.0	[redacted]	ortolan_acsr.wir	1033.5 kcmil 45/7 Strands ORTOLAN ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.606	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.606
75		230.0		ortolan_acsr.wir	1033.5 kcmil 45/7 Strands ORTOLAN ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.606	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.606

Centerline results between structures Undefined (#2 in line) and Undefined (#3 in line)

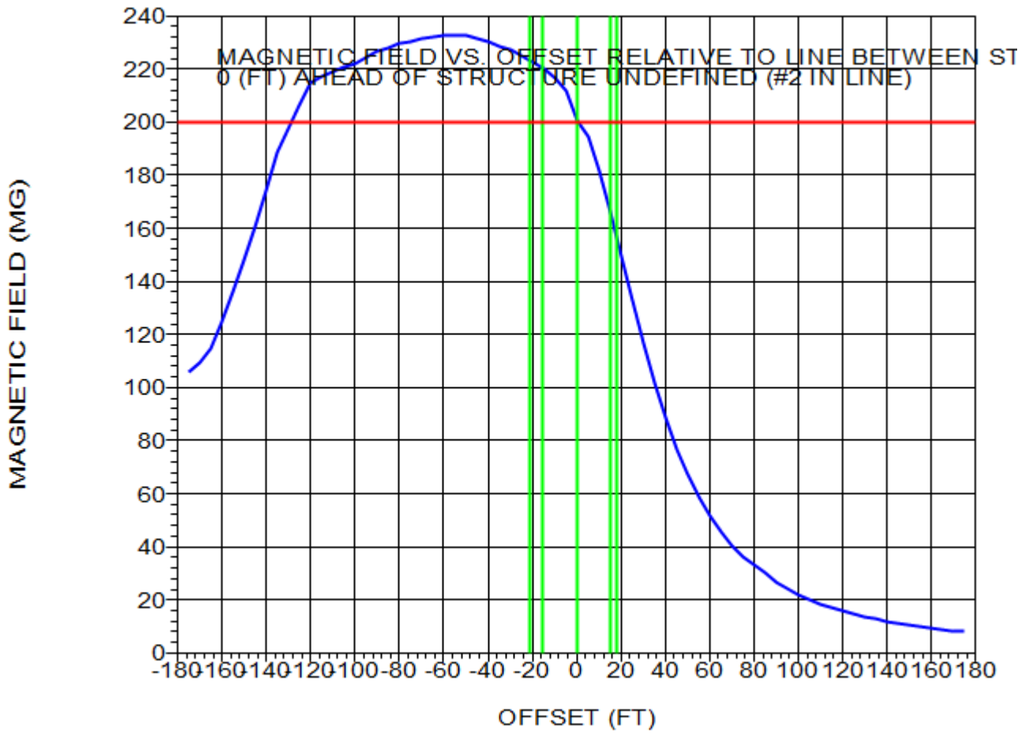
3D EMF Point Results Centerline from Undefined (#2 in line) to Undefined (#3 in line):

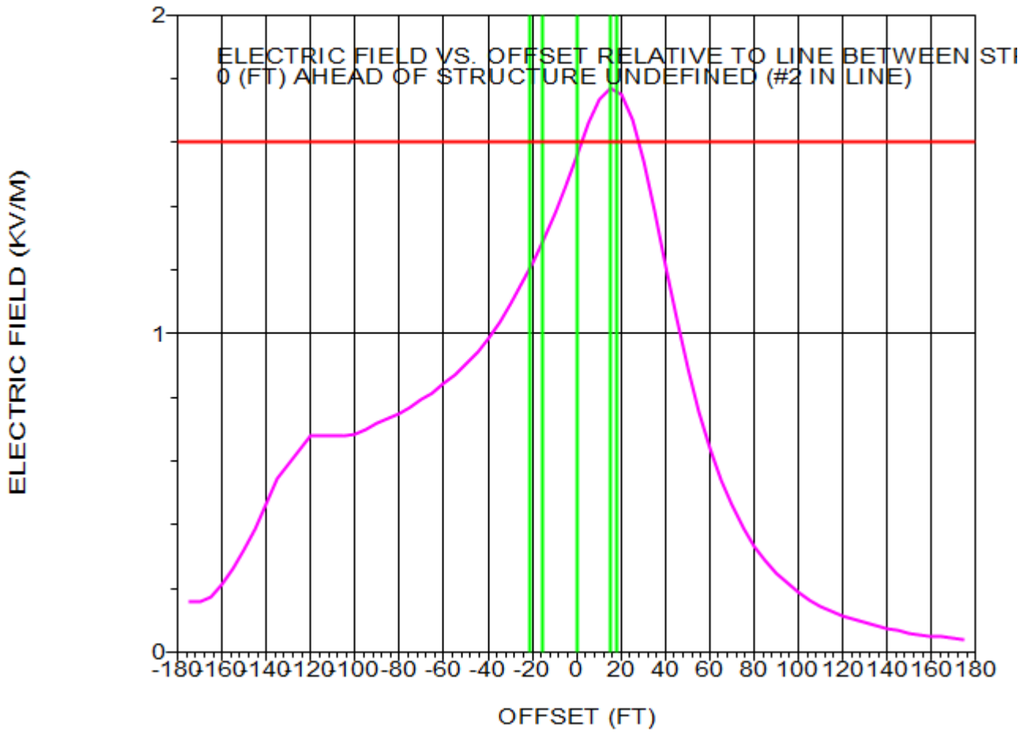
Measurement X (ft)	Measurement Y (ft)	Measurement Z (ft)	B Real (mG)	B Imaginary (mG)	B Angle (deg)	B Magnitude (mG)	B Polarization Axial Ratio %	H Magnitude (A/m)	EF Real (kV/m)	EF Imaginary (kV/m)	EF Angle (deg)	EF Magnitude (kV/m)	EF Polarization Axial Ratio %	Space Potential Real (kV)	Space Potential Imaginary (kV)	Space Potential Angle (deg)	Space Potential Magnitude (kV)		
957516.4	15425161.8	1954.8	156.779	125.317	38.6	200.709	18.5	15.972	1.426	0.634	24.0	1.561	7.8	-1.435	-1.154	38.8	1.842	BF exceeds limit	NG
957520.3	15425158.6	1955.3	171.081	128.704	37.0	214.087	20.0	17.037	1.408	0.483	18.9	1.489	12.1	-1.742	-1.134	33.1	2.079	BF exceeds limit	NG
957524.2	15425155.5	1955.0	178.706	125.595	35.1	218.427	21.4	17.382	1.369	0.337	13.8	1.410	13.4	-1.638	-0.964	30.5	1.900	BF exceeds limit	NG
957528.0	15425152.3	1954.8	186.430	123.738	33.6	223.757	23.4	17.806	1.320	0.245	10.5	1.342	15.7	-1.637	-0.835	27.0	1.838	BF exceeds limit	NG
957531.9	15425149.2	1955.0	194.948	124.203	32.5	231.152	25.9	18.394	1.265	0.248	11.1	1.289	19.6	-1.748	-0.716	22.3	1.889	BF exceeds limit	NG
957535.8	15425146.0	1955.1	201.221	125.212	31.9	236.998	28.4	18.860	1.204	0.302	14.1	1.242	23.1	-1.787	-0.589	18.2	1.882	BF exceeds limit	NG
957539.7	15425142.9	1955.0	206.125	127.351	31.7	242.293	30.8	19.281	1.141	0.371	18.0	1.200	26.5	-1.794	-0.467	14.6	1.854	BF exceeds limit	NG
957543.5	15425139.7	1954.9	209.683	130.136	31.8	246.785	32.7	19.638	1.078	0.435	22.0	1.163	29.1	-1.760	-0.362	11.6	1.797	BF exceeds limit	NG
957547.4	15425136.5	1954.5	210.608	131.889	32.1	248.496	33.8	19.775	1.012	0.482	25.5	1.121	29.1	-1.637	-0.300	10.4	1.664	BF exceeds limit	NG
957551.3	15425133.4	1954.1	212.000	134.411	32.4	251.019	34.7	19.975	0.954	0.530	29.0	1.091	28.6	-1.543	-0.266	9.8	1.566	BF exceeds limit	NG
957555.2	15425130.2	1954.0	215.826	138.997	32.8	256.712	35.6	20.428	0.914	0.590	32.8	1.088	30.2	-1.538	-0.240	8.9	1.557	BF exceeds limit	NG
957559.1	15425127.1	1954.1	221.899	145.414	33.2	265.301	36.5	21.112	0.893	0.660	36.5	1.110	34.1	-1.610	-0.222	7.9	1.625	BF exceeds limit	NG
957562.9	15425123.9	1954.1	228.207	151.938	33.7	274.160	37.3	21.817	0.882	0.731	39.6	1.145	38.3	-1.701	-0.235	7.9	1.717	BF exceeds limit	NG
957566.8	15425120.7	1955.6	252.680	174.346	34.6	306.991	40.1	24.430	0.984	0.899	42.4	1.333	60.2	-2.259	0.048	-1.2	2.260	BF exceeds limit	NG
957570.7	15425117.6	1956.9	277.243	197.704	35.5	340.515	42.9	27.097	1.120	1.081	44.0	1.556	76.7	-2.765	0.366	-7.5	2.789	BF exceeds limit	NG
957574.6	15425114.4	1955.0	261.435	183.582	35.1	319.454	40.9	25.421	0.976	0.989	45.4	1.389	63.6	-2.422	-0.024	0.6	2.422	BF exceeds limit	NG
957578.4	15425111.3	1953.2	248.522	172.400	34.7	302.465	39.2	24.069	0.865	0.921	46.8	1.263	50.1	-2.174	-0.362	9.5	2.204	BF exceeds limit	NG
957582.3	15425108.1	1952.2	244.588	169.257	34.7	297.442	38.7	23.670	0.818	0.899	47.7	1.215	44.3	-2.137	-0.505	13.3	2.195	BF exceeds limit	NG
957586.2	15425105.0	1951.4	243.144	168.238	34.7	295.673	38.4	23.529	0.793	0.886	48.2	1.189	41.0	-2.151	-0.573	14.9	2.226	BF exceeds limit	NG

957590.1	15425101.8	1951.1	246.415	171.277	34.8	300.094	38.7	23.881	0.799	0.896	48.3	1.201	42.5	-2.246	-0.530	13.3	2.308	BF exceeds limit NG
957593.9	15425098.6	1950.8	250.865	175.308	34.9	306.049	39.1	24.355	0.819	0.917	48.2	1.229	44.9	-2.341	-0.461	11.1	2.386	BF exceeds limit NG
957597.8	15425095.5	1950.6	256.342	180.228	35.1	313.358	39.7	24.936	0.848	0.947	48.2	1.271	48.0	-2.436	-0.373	8.7	2.465	BF exceeds limit NG
957601.7	15425092.3	1950.2	260.219	183.708	35.2	318.531	40.1	25.348	0.869	0.972	48.2	1.304	49.4	-2.488	-0.320	7.3	2.508	BF exceeds limit NG
957605.6	15425089.2	1949.5	259.105	182.700	35.2	317.041	39.9	25.229	0.862	0.972	48.4	1.299	46.1	-2.439	-0.373	8.7	2.467	BF exceeds limit NG
957609.4	15425086.0	1949.1	262.444	185.649	35.3	321.469	40.3	25.582	0.878	0.997	48.6	1.329	47.1	-2.473	-0.336	7.7	2.496	BF exceeds limit NG
957613.3	15425082.9	1948.8	265.942	188.731	35.4	326.105	40.6	25.951	0.893	1.024	48.9	1.359	48.3	-2.514	-0.294	6.7	2.531	BF exceeds limit NG
957617.2	15425079.7	1948.4	269.368	191.744	35.4	330.643	41.0	26.312	0.907	1.049	49.2	1.387	49.6	-2.560	-0.252	5.6	2.572	BF exceeds limit NG
957621.1	15425076.5	1947.8	270.009	192.231	35.4	331.448	41.0	26.376	0.902	1.059	49.6	1.391	48.8	-2.561	-0.266	5.9	2.575	BF exceeds limit NG
957625.0	15425073.4	1947.3	270.520	192.592	35.4	332.073	41.1	26.426	0.895	1.068	50.0	1.393	48.2	-2.570	-0.280	6.2	2.585	BF exceeds limit NG
957628.8	15425070.2	1946.7	270.910	192.837	35.4	332.533	41.1	26.462	0.886	1.074	50.5	1.393	47.7	-2.583	-0.292	6.5	2.600	BF exceeds limit NG
957632.7	15425067.1	1945.9	268.139	190.237	35.4	328.768	40.8	26.163	0.859	1.064	51.1	1.367	44.8	-2.546	-0.372	8.3	2.573	BF exceeds limit NG
957636.6	15425063.9	1945.1	265.128	187.441	35.3	324.695	40.5	25.838	0.832	1.054	51.7	1.343	41.7	-2.506	-0.459	10.4	2.548	BF exceeds limit NG
957640.5	15425060.7	1944.7	266.249	188.329	35.3	326.123	40.6	25.952	0.830	1.066	52.1	1.351	42.3	-2.540	-0.456	10.2	2.580	BF exceeds limit NG
957644.3	15425057.6	1944.2	267.669	189.480	35.3	327.947	40.7	26.097	0.833	1.082	52.4	1.365	43.4	-2.576	-0.448	9.9	2.614	BF exceeds limit NG
957648.2	15425054.4	1943.9	270.730	192.095	35.4	331.957	41.1	26.416	0.847	1.108	52.6	1.395	45.9	-2.639	-0.405	8.7	2.670	BF exceeds limit NG
957652.1	15425051.3	1943.6	274.065	194.962	35.4	336.336	41.5	26.765	0.865	1.136	52.7	1.427	48.7	-2.707	-0.352	7.4	2.730	BF exceeds limit NG
957656.0	15425048.1	1943.3	276.877	197.367	35.5	340.021	41.8	27.058	0.879	1.160	52.8	1.455	51.2	-2.771	-0.304	6.3	2.788	BF exceeds limit NG
957659.8	15425045.0	1942.8	276.643	197.031	35.5	339.636	41.8	27.027	0.872	1.165	53.2	1.455	51.8	-2.792	-0.314	6.4	2.810	BF exceeds limit NG
957663.7	15425041.8	1941.9	271.267	192.102	35.3	332.399	41.2	26.451	0.830	1.140	53.9	1.410	48.8	-2.739	-0.429	8.9	2.773	BF exceeds limit NG
957667.6	15425038.6	1941.1	267.227	188.412	35.2	326.970	40.8	26.019	0.797	1.119	54.6	1.373	47.2	-2.718	-0.498	10.4	2.763	BF exceeds limit NG
957671.5	15425035.5	1940.5	265.789	187.040	35.1	325.005	40.6	25.863	0.780	1.107	54.8	1.355	48.3	-2.744	-0.489	10.1	2.787	BF exceeds limit NG
957675.4	15425032.3	1939.8	263.234	184.700	35.1	321.568	40.4	25.590	0.758	1.088	55.1	1.326	49.0	-2.757	-0.492	10.1	2.800	BF exceeds limit NG
957679.2	15425029.2	1939.0	258.493	180.486	34.9	315.268	39.9	25.088	0.724	1.055	55.6	1.280	48.2	-2.738	-0.530	11.0	2.789	BF exceeds limit NG
957683.1	15425026.0	1938.0	252.185	174.981	34.8	306.945	39.2	24.426	0.681	1.015	56.1	1.222	46.3	-2.699	-0.593	12.4	2.763	BF exceeds limit NG
957687.0	15425022.9	1937.2	248.323	171.617	34.6	301.855	38.8	24.021	0.656	0.984	56.3	1.182	47.2	-2.695	-0.588	12.3	2.758	BF exceeds limit NG
957690.9	15425019.7	1936.4	243.848	167.772	34.5	295.988	38.3	23.554	0.629	0.950	56.5	1.139	47.8	-2.680	-0.588	12.4	2.744	BF exceeds limit NG
957694.7	15425016.5	1935.2	235.415	160.687	34.3	285.027	37.4	22.682	0.577	0.898	57.3	1.067	44.5	-2.610	-0.670	14.4	2.694	BF exceeds limit NG
957698.6	15425013.4	1934.1	227.831	154.413	34.1	275.228	36.6	21.902	0.533	0.850	57.9	1.004	42.1	-2.549	-0.728	15.9	2.651	BF exceeds limit NG
957702.5	15425010.2	1933.0	220.505	148.441	33.9	265.814	35.8	21.153	0.493	0.805	58.5	0.944	39.7	-2.490	-0.778	17.3	2.609	BF exceeds limit NG
957706.4	15425007.1	1932.1	215.694	144.554	33.8	259.653	35.3	20.663	0.470	0.773	58.7	0.905	40.5	-2.460	-0.774	17.5	2.579	BF exceeds limit NG
957710.2	15425003.9	1931.5	213.217	142.551	33.8	256.481	35.1	20.410	0.464	0.752	58.3	0.883	44.3	-2.454	-0.724	16.4	2.559	BF exceeds limit NG
957714.1	15425000.8	1930.5	207.243	137.816	33.6	248.884	34.4	19.806	0.435	0.718	58.8	0.840	43.4	-2.401	-0.753	17.4	2.517	BF exceeds limit NG
957718.0	15424997.6	1929.5	201.356	133.206	33.5	241.429	33.8	19.212	0.409	0.687	59.3	0.800	42.4	-2.347	-0.785	18.5	2.475	BF exceeds limit NG
957721.9	**15424994.4**	**1928.6**	**196.948**	**129.784**	**33.4**	**235.865**	**33.4**	**18.770**	**0.392**	**0.664**	**59.4**	**0.771**	**43.4**	**-2.308**	**-0.788**	**18.9**	**2.439**	**BF exceeds limit NG**
957725.7	**15424991.3**	**1927.9**	**193.970**	**127.486**	**33.3**	**232.114**	**33.1**	**18.471**	**0.385**	**0.646**	**59.2**	**0.752**	**46.6**	**-2.284**	**-0.765**	**18.5**	**2.409**	**BF exceeds limit NG**
957729.6	**15424988.1**	**1927.2**	**190.977**	**125.192**	**33.2**	**228.353**	**32.8**	**18.172**	**0.380**	**0.629**	**58.9**	**0.735**	**49.8**	**-2.259**	**-0.743**	**18.2**	**2.378**	**BF exceeds limit NG**
957733.5	**15424985.0**	**1926.4**	**186.956**	**122.139**	**33.2**	**223.317**	**32.4**	**17.771**	**0.368**	**0.608**	**58.9**	**0.711**	**51.5**	**-2.222**	**-0.743**	**18.5**	**2.343**	**BF exceeds limit NG**
957737.4	**15424981.8**	**1925.4**	**181.801**	**118.263**	**33.0**	**216.882**	**31.9**	**17.259**	**0.347**	**0.583**	**59.3**	**0.678**	**51.4**	**-2.176**	**-0.764**	**19.3**	**2.306**	**BF exceeds limit NG**
957741.3	**15424978.6**	**1924.4**	**176.482**	**114.303**	**32.9**	**210.265**	**31.3**	**16.732**	**0.324**	**0.557**	**59.8**	**0.645**	**51.0**	**-2.131**	**-0.786**	**20.3**	**2.271**	**BF exceeds limit NG**
957745.1	**15424975.5**	**1923.4**	**170.840**	**110.147**	**32.8**	**203.270**	**30.7**	**16.176**	**0.299**	**0.530**	**60.6**	**0.609**	**50.0**	**-2.086**	**-0.812**	**21.3**	**2.239**	**BF exceeds limit NG**
957749.0	15424972.3	1922.3	165.506	106.257	32.7	196.679	30.2	15.651	0.277	0.504	61.2	0.575	49.4	-2.049	-0.828	22.0	2.210	
957752.9	15424969.2	1921.1	159.657	102.036	32.6	189.477	29.6	15.078	0.250	0.476	62.3	0.537	47.7	-2.011	-0.852	23.0	2.184	
957756.8	15424966.0	1919.7	152.392	96.848	32.4	180.563	28.8	14.369	0.211	0.443	64.5	0.491	42.3	-1.966	-0.900	24.6	2.162	
957760.6	15424962.9	1919.0	149.679	94.939	32.4	177.249	28.5	14.105	0.211	0.426	63.6	0.476	47.2	-1.960	-0.858	23.6	2.139	
957764.5	15424959.7	1917.3	141.381	89.118	32.2	167.124	27.6	13.299	0.163	0.392	67.3	0.424	38.2	-1.915	-0.922	25.7	2.125	
957768.4	15424956.5	1915.8	134.840	84.591	32.1	159.177	26.9	12.667	0.131	0.364	70.2	0.387	32.3	-1.885	-0.952	26.8	2.112	
957772.3	15424953.4	1915.1	132.427	82.951	32.1	156.262	26.7	12.435	0.135	0.349	68.8	0.374	37.7	-1.880	-0.902	25.6	2.085	
957776.1	15424950.2	1913.7	126.803	79.119	32.0	149.462	26.1	11.894	0.111	0.324	71.1	0.343	33.6	-1.855	-0.914	26.2	2.068	
957780.0	15424947.1	1912.3	121.476	75.523	31.9	143.039	25.5	11.383	0.091	0.302	73.3	0.315	29.6	-1.830	-0.920	26.7	2.048	
957783.9	15424943.9	1910.8	116.485	72.184	31.8	137.037	25.0	10.905	0.074	0.281	75.2	0.290	26.3	-1.804	-0.921	27.0	2.026	
957787.8	15424940.8	1909.4	111.592	68.939	31.7	131.169	24.5	10.438	0.061	0.261	76.9	0.267	23.2	-1.776	-0.921	27.4	2.000	
957791.7	15424937.6	1908.1	107.765	66.427	31.6	126.593	24.1	10.074	0.056	0.244	77.0	0.250	23.2	-1.746	-0.905	27.4	1.966	
957795.5	15424934.4	1906.8	104.203	64.106	31.6	122.343	23.8	9.736	0.054	0.228	76.7	0.234	23.5	-1.713	-0.886	27.3	1.929	
957799.4	15424931.3	1905.5	100.970	62.017	31.6	118.495	23.5	9.430	0.053	0.214	76.1	0.220	24.0	-1.678	-0.865	27.3	1.888	
957803.3	15424928.1	1904.6	99.001	60.769	31.5	116.164	23.3	9.244	0.057	0.204	74.4	0.212	26.1	-1.640	-0.827	26.8	1.837	
957807.2	15424925.0	1903.6	97.321	59.716	31.5	114.182	23.2	9.086	0.062	0.196	72.5	0.205	28.3	-1.601	-0.790	26.3	1.785	
957811.0	15424921.8	1902.6	95.493	58.571	31.5	112.025	23.1	8.915	0.063	0.188	71.4	0.198	29.3	-1.561	-0.760	26.0	1.736	
957814.9	15424918.6	1901.5	93.977	57.633	31.5	110.242	23.1	8.773	0.065	0.182	70.4	0.193	30.3	-1.522	-0.731	25.7	1.689	
957818.8	15424915.5	1900.5	92.748	56.886	31.5	108.803	23.0	8.658	0.067	0.178	69.4	0.190	31.4	-1.486	-0.703	25.3	1.644	
957822.7	15424912.3	1899.5	91.808	56.328	31.5	107.711	23.0	8.571	0.069	0.175	68.4	0.189	32.6	-1.452	-0.676	25.0	1.602	
957826.5	15424909.2	1898.4	91.143	55.949	31.5	106.946	23.1	8.510	0.072	0.174	67.5	0.189	34.0	-1.422	-0.651	24.6	1.564	
957830.4	15424906.0	1897.2	90.279	55.437	31.6	105.941	23.1	8.431	0.070	0.173	67.9	0.187	33.9	-1.396	-0.634	24.4	1.533	

Max EF along centerline is 1.561 (kV/m) at 0.000 (ft) from structure Undefined (#2 in line)

Cross section results at max EF along centerline between structures Undefined (#2 in line) and Undefined (#3 in line)


MAGNETIC FIELD VS. OFFSET RELATIVE TO LINE BETWEEN ST
0 (FT) AHEAD OF STRUCTURE UNDEFINED (#2 IN LINE)
MAGNETIC FIELD (MG)
240
220
200
180
160
140
120
100
80
60
40
20
0
-180 -160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 160 180
OFFSET (FT)



3D EMF Point Results Span from Undefined (#2 in line) to Undefined (#3 in line):

Measurement			B					H	EF					Space Potential					
X (ft)	Y (ft)	Z (ft)	Real (mG)	Imaginary (mG)	Angle (deg)	Magnitude (mG)	Polarization Axial Ratio %	Magnitude (A/m)	Real (kV/m)	Imaginary (kV/m)	Angle (deg)	Magnitude (kV/m)	Polarization Axial Ratio %	Real (kV)	Imaginary (kV)	Angle (deg)	Magnitude (kV)		
957626.9	15425297.5	1954.9	91.253	53.352	30.3	105.705	20.3	8.412	0.143	0.063	24.0	0.156	41.9	0.052	0.021	21.6	0.056		
957623.8	15425293.6	1954.5	94.423	55.065	30.2	109.306	20.3	8.698	0.144	0.063	23.4	0.157	27.8	0.095	0.012	7.1	0.095		
957620.6	15425289.7	1954.6	99.056	57.702	30.2	114.637	20.6	9.123	0.158	0.071	24.3	0.173	19.3	0.129	0.007	3.0	0.129		
957617.5	15425285.9	1955.6	107.872	62.986	30.3	124.915	21.3	9.940	0.190	0.093	26.1	0.212	33.0	0.122	0.023	10.8	0.125		
957614.3	15425282.0	1956.6	117.712	68.957	30.4	136.423	22.1	10.856	0.233	0.122	27.6	0.263	44.4	0.105	0.049	25.2	0.116		
957611.1	15425278.1	1957.6	127.710	75.077	30.5	148.143	23.0	11.789	0.280	0.154	28.7	0.320	51.0	0.082	0.081	44.4	0.115		
957608.0	15425274.2	1958.6	138.397	81.704	30.6	160.715	23.9	12.789	0.335	0.191	29.7	0.385	55.7	0.047	0.122	68.9	0.131		
957604.8	15425270.3	1959.6	150.151	89.110	30.7	174.602	24.9	13.894	0.399	0.235	30.5	0.464	58.8	-0.009	0.178	-87.3	0.178		
957601.7	15425266.5	1960.5	161.964	96.656	30.8	188.612	26.0	15.009	0.467	0.283	31.2	0.546	60.4	-0.074	0.241	-72.8	0.252		
957598.5	15425262.6	1960.8	169.538	101.431	30.9	197.563	26.7	15.722	0.502	0.309	31.6	0.589	61.5	-0.098	0.278	-70.5	0.295		
957595.4	**15425258.7**	**1961.1**	**177.172**	**106.295**	**31.0**	**206.612**	**27.4**	**16.442**	**0.539**	**0.337**	**32.0**	**0.636**	**62.6**	**-0.134**	**0.320**	**-67.3**	**0.347**	**BF exceeds limit**	**NG**
957592.2	**15425254.8**	**1961.3**	**183.870**	**110.564**	**31.0**	**214.552**	**28.1**	**17.074**	**0.572**	**0.363**	**32.4**	**0.677**	**63.5**	**-0.169**	**0.359**	**-64.9**	**0.397**	**BF exceeds limit**	**NG**
957589.0	**15425251.0**	**1961.0**	**186.036**	**111.730**	**31.0**	**217.009**	**28.4**	**17.269**	**0.570**	**0.366**	**32.7**	**0.677**	**63.3**	**-0.154**	**0.360**	**-66.8**	**0.392**	**BF exceeds limit**	**NG**
957585.9	**15425247.1**	**1960.7**	**187.794**	**112.616**	**31.0**	**218.972**	**28.6**	**17.425**	**0.569**	**0.369**	**32.9**	**0.678**	**61.9**	**-0.143**	**0.358**	**-68.2**	**0.385**	**BF exceeds limit**	**NG**
957582.7	**15425243.2**	**1960.4**	**189.256**	**113.292**	**30.9**	**220.574**	**28.9**	**17.553**	**0.569**	**0.373**	**33.2**	**0.680**	**60.0**	**-0.138**	**0.352**	**-68.5**	**0.378**	**BF exceeds limit**	**NG**
957579.6	**15425239.3**	**1960.2**	**190.676**	**113.927**	**30.9**	**222.119**	**29.2**	**17.676**	**0.572**	**0.379**	**33.5**	**0.686**	**57.9**	**-0.143**	**0.345**	**-67.6**	**0.374**	**BF exceeds limit**	**NG**
957576.4	**15425235.5**	**1960.0**	**192.762**	**115.007**	**30.8**	**224.464**	**29.6**	**17.862**	**0.582**	**0.390**	**33.8**	**0.701**	**56.9**	**-0.167**	**0.345**	**-64.1**	**0.383**	**BF exceeds limit**	**NG**
957573.3	**15425231.6**	**1959.8**	**194.561**	**115.857**	**30.8**	**226.444**	**30.0**	**18.020**	**0.593**	**0.401**	**34.1**	**0.716**	**55.9**	**-0.198**	**0.340**	**-59.8**	**0.393**	**BF exceeds limit**	**NG**
957570.1	**15425227.7**	**1959.7**	**196.114**	**116.490**	**30.7**	**228.102**	**30.4**	**18.152**	**0.606**	**0.413**	**34.3**	**0.733**	**54.9**	**-0.235**	**0.331**	**-54.6**	**0.406**	**BF exceeds limit**	**NG**
957566.9	**15425223.8**	**1959.5**	**197.439**	**116.903**	**30.6**	**229.452**	**30.8**	**18.259**	**0.620**	**0.424**	**34.4**	**0.751**	**53.8**	**-0.281**	**0.319**	**-48.6**	**0.425**	**BF exceeds limit**	**NG**
957563.8	**15425219.9**	**1959.3**	**198.532**	**117.069**	**30.5**	**230.478**	**31.2**	**18.341**	**0.636**	**0.434**	**34.3**	**0.770**	**52.4**	**-0.336**	**0.302**	**-42.0**	**0.452**	**BF exceeds limit**	**NG**
957560.6	**15425216.1**	**1959.1**	**199.463**	**117.010**	**30.4**	**231.250**	**31.6**	**18.402**	**0.655**	**0.442**	**34.0**	**0.791**	**50.7**	**-0.402**	**0.283**	**-35.2**	**0.492**	**BF exceeds limit**	**NG**

957557.5	**15425212.2**	**1959.0**	**200.286**	**116.737**	**30.2**	**231.823**	**32.0**	**18.448**	**0.679**	**0.449**	**33.4**	**0.814**	**48.7**	**-0.483**	**0.261**	**-28.4**	**0.549**	**BF exceeds limit NG**
957554.3	**15425208.3**	**1958.8**	**201.318**	**116.446**	**30.0**	**232.570**	**32.3**	**18.507**	**0.711**	**0.453**	**32.5**	**0.843**	**46.6**	**-0.585**	**0.238**	**-22.2**	**0.632**	**BF exceeds limit NG**
957551.1	**15425204.4**	**1958.6**	**202.024**	**115.743**	**29.8**	**232.831**	**32.6**	**18.528**	**0.747**	**0.453**	**31.2**	**0.874**	**43.7**	**-0.700**	**0.207**	**-16.5**	**0.730**	**BF exceeds limit NG**
957548.0	**15425200.6**	**1958.4**	**202.564**	**114.768**	**29.5**	**232.817**	**32.6**	**18.527**	**0.792**	**0.446**	**29.4**	**0.909**	**40.1**	**-0.829**	**0.166**	**-11.3**	**0.845**	**BF exceeds limit NG**
957544.8	**15425196.7**	**1958.1**	**202.034**	**113.023**	**29.2**	**231.499**	**32.2**	**18.422**	**0.842**	**0.427**	**26.9**	**0.944**	**35.2**	**-0.942**	**0.100**	**-6.0**	**0.948**	**BF exceeds limit NG**
957541.7	**15425192.8**	**1957.7**	**201.312**	**111.417**	**29.0**	**230.087**	**31.4**	**18.310**	**0.903**	**0.398**	**23.8**	**0.987**	**30.3**	**-1.056**	**0.019**	**-1.0**	**1.056**	**BF exceeds limit NG**
957538.5	**15425188.9**	**1957.3**	**200.348**	**110.402**	**28.9**	**228.753**	**30.2**	**18.204**	**0.974**	**0.359**	**20.2**	**1.038**	**26.0**	**-1.170**	**-0.077**	**3.8**	**1.172**	**BF exceeds limit NG**
957535.4	**15425185.1**	**1956.9**	**198.646**	**110.296**	**29.0**	**227.213**	**28.5**	**18.081**	**1.052**	**0.308**	**16.3**	**1.096**	**22.2**	**-1.271**	**-0.191**	**8.6**	**1.286**	**BF exceeds limit NG**
957532.2	**15425181.2**	**1956.5**	**195.710**	**111.426**	**29.7**	**225.207**	**26.5**	**17.921**	**1.131**	**0.249**	**12.4**	**1.158**	**19.0**	**-1.354**	**-0.325**	**13.5**	**1.393**	**BF exceeds limit NG**
957529.0	**15425177.3**	**1956.2**	**191.350**	**114.037**	**30.8**	**222.754**	**24.5**	**17.726**	**1.209**	**0.200**	**9.4**	**1.225**	**16.4**	**-1.424**	**-0.478**	**18.5**	**1.502**	**BF exceeds limit NG**
957525.9	**15425173.4**	**1955.9**	**185.790**	**118.122**	**32.4**	**220.161**	**22.6**	**17.520**	**1.281**	**0.214**	**9.5**	**1.298**	**14.6**	**-1.505**	**-0.648**	**23.3**	**1.638**	**BF exceeds limit NG**
957522.7	**15425169.6**	**1955.7**	**178.505**	**122.606**	**34.5**	**216.555**	**21.0**	**17.233**	**1.343**	**0.312**	**13.1**	**1.379**	**12.9**	**-1.573**	**-0.839**	**28.1**	**1.783**	**BF exceeds limit NG**
957519.6	**15425165.7**	**1955.5**	**169.816**	**126.499**	**36.7**	**211.753**	**19.8**	**16.851**	**1.394**	**0.464**	**18.4**	**1.469**	**11.3**	**-1.636**	**-1.048**	**32.6**	**1.943**	**BF exceeds limit NG**
957516.4	**15425161.8**	**1954.8**	**156.779**	**125.317**	**38.6**	**200.709**	**18.5**	**15.972**	**1.426**	**0.634**	**24.0**	**1.561**	**7.8**	**-1.435**	**-1.154**	**38.8**	**1.842**	**BF exceeds limit NG**
957513.3	**15425157.9**	**1955.0**	**147.847**	**126.467**	**40.5**	**194.557**	**17.5**	**15.482**	**1.442**	**0.823**	**29.7**	**1.660**	**7.1**	**-1.604**	**-1.411**	**41.3**	**2.136**	**EF exceeds limit NG**
957510.1	**15425154.0**	**1954.6**	**135.037**	**120.847**	**41.8**	**181.215**	**16.2**	**14.421**	**1.428**	**0.984**	**34.6**	**1.734**	**4.8**	**-1.459**	**-1.474**	**45.3**	**2.074**	**EF exceeds limit NG**
957506.9	**15425150.2**	**1954.2**	**122.089**	**112.464**	**42.7**	**165.994**	**14.8**	**13.209**	**1.383**	**1.102**	**38.5**	**1.769**	**2.9**	**-1.281**	**-1.452**	**48.6**	**1.936**	**EF exceeds limit NG**
957503.8	**15425146.3**	**1953.7**	**109.292**	**102.141**	**43.1**	**149.591**	**13.4**	**11.904**	**1.307**	**1.161**	**41.6**	**1.748**	**1.4**	**-1.080**	**-1.345**	**51.2**	**1.725**	**EF exceeds limit NG**
957500.6	**15425142.4**	**1953.3**	**96.969**	**90.872**	**43.1**	**132.893**	**12.1**	**10.575**	**1.203**	**1.157**	**43.9**	**1.669**	**0.5**	**-0.871**	**-1.175**	**53.4**	**1.462**	**EF exceeds limit NG**
957497.5	15425138.5	1952.9	85.442	79.581	43.0	116.763	10.8	9.292	1.081	1.098	45.5	1.541	0.5	-0.669	-0.970	55.4	1.179	
957494.3	15425134.7	1952.5	75.008	69.021	42.6	101.932	9.6	8.111	0.951	1.002	46.5	1.382	0.8	-0.496	-0.770	57.2	0.916	
957491.1	15425130.8	1952.1	65.676	59.434	42.1	88.576	8.6	7.049	0.823	0.888	47.2	1.211	1.0	-0.337	-0.574	59.5	0.666	
957488.0	15425126.9	1951.6	57.549	51.091	41.6	76.955	7.7	6.124	0.705	0.771	47.6	1.044	1.1	-0.210	-0.407	62.8	0.458	
957484.8	15425123.0	1951.2	50.559	43.981	41.0	67.011	6.9	5.333	0.599	0.659	47.7	0.891	1.1	-0.112	-0.275	67.9	0.296	
957481.7	15425119.2	1950.8	44.614	38.024	40.4	58.619	6.1	4.665	0.508	0.559	47.8	0.756	1.1	-0.046	-0.181	75.7	0.187	
957478.5	15425115.3	1950.4	39.580	33.071	39.9	51.578	5.5	4.104	0.430	0.473	47.7	0.639	1.0	-0.011	-0.126	84.9	0.126	
957475.4	15425111.4	1950.1	35.271	28.905	39.3	45.602	4.9	3.629	0.365	0.400	47.6	0.541	1.0	0.013	-0.085	-81.4	0.086	
957472.2	15425107.5	1949.8	31.577	25.400	38.8	40.525	4.3	3.225	0.311	0.338	47.4	0.459	0.9	0.029	-0.056	-62.7	0.064	
957469.0	15425103.7	1949.5	28.399	22.442	38.3	36.196	3.9	2.880	0.265	0.287	47.3	0.391	0.8	0.040	-0.036	-42.4	0.054	
957465.9	15425099.8	1952.8	26.288	20.620	38.1	33.410	3.1	2.659	0.227	0.244	47.1	0.334	1.1	-0.204	-0.294	55.3	0.358	
957462.7	15425095.9	1953.0	23.861	18.422	37.7	30.145	2.7	2.399	0.196	0.209	46.9	0.287	1.0	-0.196	-0.279	54.9	0.341	
957459.6	15425092.0	1950.1	21.387	16.168	37.1	26.811	2.6	2.134	0.170	0.181	46.8	0.248	0.8	-0.029	-0.092	72.8	0.097	
957456.4	15425088.1	1947.5	19.316	14.338	36.6	24.056	2.5	1.914	0.148	0.157	46.7	0.216	0.7	0.085	0.034	21.7	0.091	
957453.3	15425084.3	1946.9	17.710	12.973	36.2	21.953	2.2	1.747	0.129	0.137	46.6	0.188	0.6	0.091	0.044	25.6	0.101	
957450.1	15425080.4	1946.6	16.318	11.813	35.9	20.145	1.9	1.603	0.114	0.120	46.5	0.165	0.6	0.083	0.038	24.6	0.092	
957446.9	15425076.5	1946.3	15.082	10.798	35.6	18.549	1.7	1.476	0.100	0.105	46.4	0.145	0.6	0.076	0.033	23.4	0.083	
957443.8	15425072.6	1945.9	13.974	9.900	35.3	17.125	1.5	1.363	0.089	0.093	46.4	0.129	0.6	0.073	0.032	23.5	0.080	
957440.6	15425068.8	1945.8	12.997	9.121	35.1	15.879	1.3	1.264	0.079	0.083	46.4	0.114	0.7	0.062	0.022	19.6	0.066	
957437.5	15425064.9	1945.3	12.104	8.416	34.8	14.742	1.1	1.173	0.070	0.074	46.3	0.102	0.7	0.061	0.023	20.5	0.066	
957434.3	15425061.0	1945.0	11.305	7.794	34.6	13.731	0.9	1.093	0.063	0.066	46.4	0.091	0.7	0.057	0.020	19.4	0.061	
957431.1	15425057.1	1944.6	10.581	7.237	34.4	12.819	0.8	1.020	0.057	0.060	46.4	0.082	0.7	0.054	0.018	18.7	0.057	
957428.0	15425053.3	1944.3	9.928	6.740	34.2	11.999	0.7	0.955	0.051	0.054	46.5	0.074	0.8	0.049	0.015	16.6	0.051	
957424.8	15425049.4	1944.3	9.341	6.298	34.0	11.266	0.5	0.896	0.046	0.049	46.5	0.067	0.8	0.041	0.007	9.6	0.041	
957421.7	15425045.5	1944.0	8.797	5.893	33.8	10.588	0.4	0.843	0.042	0.044	46.6	0.061	0.8	0.037	0.005	7.2	0.038	
957418.5	15425041.6	1943.7	8.301	5.526	33.7	9.972	0.3	0.794	0.038	0.040	46.7	0.056	0.9	0.034	0.002	3.7	0.034	
957415.4	15425037.7	1942.6	7.832	5.182	33.5	9.392	0.3	0.747	0.035	0.037	46.9	0.051	1.0	0.040	0.009	13.5	0.041	
957412.2	15425033.9	1942.6	7.418	4.882	33.4	8.880	0.2	0.707	0.032	0.034	47.0	0.046	1.0	0.034	0.005	8.0	0.034	
957409.0	15425030.0	1942.5	7.036	4.608	33.2	8.411	0.2	0.669	0.029	0.031	47.1	0.043	1.1	0.029	0.000	0.8	0.029	
957405.9	15425026.1	1942.3	6.682	4.355	33.1	7.976	0.3	0.635	0.027	0.029	47.3	0.039	1.1	0.026	-0.002	-5.0	0.026	

Critical Energy/Electric Infrastructure Information (CEII) Has Been Redacted From This Document

PLS-CADD Version 20.01x64 11:05:11 AM Friday, February 28, 2025
Quanta Services - Dashiell
Project Name: 'C:\projects\L68\0026-0068-700 REV 0-0E PLS CADD MODEL.don'
Line Title: 'PROPOSED L723 AND EXISTING L68 MERGED'

3D EMF Calculation Notes:
1) Calculations based on the EPRI Red Book methods (3rd Edition, 2005 - 7.4 Calculation of Magnetic Fields and Appendices 7.1 Calculation of Field Ellipse Parameters and 7.6 Electric Field Calculations for 3D Geometry).
2) All wire positions are modeled at the specified weather case and wind direction. Height above ground determined by the modeled ground TIN.
3) Only the effects of wires are being analyzed. The effects of structures are not included unless enabled as noted below.
4) Ground return is being ignored for magnetic field calculations.

Meter height above ground:	3.28 (ft)
Maximum wire distance:	500.00 (ft)
Maximum cable segment size:	5.00 (ft)
Cross section offset +/-:	175.00 (ft)
Result interval:	5.00 (ft)
Electric field limit:	1.60 (kV/m)
Magnetic field limit:	200.00 (mG)
Space potential limit:	0.00 (kV)
Contour Map Spacing:	15 (ft)
Analyzing spans between these structures:	Undefined (#3 in line) - Undefined (#4 in line)

One or more sections have wind from both directions which is not supported. A wind direction of left is being used for those sections.

Section Data for 3D EMF Results:

Section Number	Section Note	Voltage Ph-Ph (kV)	Current (Amps)	Cable Filename	Cable Description	Conductors Per Phase	Bundle Diameter (in)	Cable Radius (in)	Weather Case	Condition	Wind Dir.	WC Temperature (deg F)	Effective Radius (in)
24		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.217
25		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.217
42		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.217
43		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.217
60		230.0	[redacted]	ortolan_acsr.wir	1033.5 kcmil 45/7 Strands ORTOLAN ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.606	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.606
75		230.0		ortolan_acsr.wir	1033.5 kcmil 45/7 Strands ORTOLAN ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.606	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.606

Centerline results between structures Undefined (#3 in line) and Undefined (#4 in line)

3D EMF Point Results Centerline from Undefined (#3 in line) to Undefined (#4 in line):

Measurement X (ft)	Measurement Y (ft)	Measurement Z (ft)	B Real (mG)	B Imaginary (mG)	B Angle (deg)	B Magnitude (mG)	B Polarization Axial Ratio %	H Magnitude (A/m)	EF Real (kV/m)	EF Imaginary (kV/m)	EF Angle (deg)	EF Magnitude (kV/m)	EF Polarization Axial Ratio %	Space Potential Real (kV)	Space Potential Imaginary (kV)	Space Potential Angle (deg)	Space Potential Magnitude (kV)
957831.9	15424904.8	1897.1	91.034	55.952	31.6	106.854	23.3	8.503	0.081	0.177	65.4	0.194	37.4	-1.388	-0.611	23.8	1.516
957835.8	15424901.6	1895.8	90.285	55.513	31.6	105.986	23.3	8.434	0.077	0.176	66.5	0.192	36.8	-1.367	-0.600	23.7	1.493
957839.7	15424898.5	1895.0	91.197	56.159	31.6	107.101	23.5	8.523	0.088	0.182	64.1	0.202	40.9	-1.352	-0.566	22.7	1.466
957843.5	15424895.3	1894.1	91.956	56.702	31.7	108.033	23.8	8.597	0.096	0.187	62.7	0.210	43.5	-1.340	-0.540	21.9	1.445
957847.4	15424892.2	1893.1	92.772	57.279	31.7	109.030	24.0	8.676	0.103	0.193	61.9	0.218	45.4	-1.332	-0.516	21.2	1.429
957851.3	15424889.0	1892.1	93.613	57.870	31.7	110.056	24.2	8.758	0.108	0.198	61.5	0.226	46.8	-1.327	-0.495	20.5	1.416
957855.1	15424885.8	1890.9	94.040	58.184	31.7	110.584	24.3	8.800	0.106	0.202	62.3	0.228	46.6	-1.324	-0.485	20.1	1.409
957859.0	15424882.7	1889.8	94.891	58.776	31.8	111.620	24.5	8.882	0.108	0.208	62.5	0.234	46.9	-1.323	-0.469	19.5	1.404
957862.9	15424879.5	1888.9	96.518	59.883	31.8	113.586	24.8	9.039	0.117	0.216	61.5	0.246	49.0	-1.326	-0.441	18.4	1.398
957866.8	15424876.3	1888.0	98.240	61.055	31.9	115.667	25.1	9.205	0.127	0.225	60.5	0.259	50.8	-1.332	-0.412	17.2	1.394
957870.6	15424873.2	1887.1	99.776	62.104	31.9	117.526	25.4	9.352	0.134	0.233	60.1	0.269	51.8	-1.338	-0.387	16.1	1.393
957874.5	15424870.0	1886.6	102.929	64.242	32.0	121.332	25.9	9.655	0.159	0.248	57.4	0.294	55.4	-1.351	-0.330	13.7	1.391
957878.4	15424866.9	1886.2	106.537	66.697	32.0	125.693	26.5	10.002	0.188	0.265	54.6	0.324	58.0	-1.367	-0.262	10.9	1.392
957882.3	15424863.7	1885.7	110.107	69.141	32.1	130.015	27.0	10.346	0.216	0.281	52.5	0.355	59.2	-1.384	-0.193	7.9	1.397
957886.1	15424860.5	1882.7	104.594	65.419	32.0	123.367	26.3	9.817	0.148	0.262	60.5	0.301	52.3	-1.368	-0.297	12.2	1.400
957890.0	15424857.4	1879.2	97.664	60.777	31.9	115.031	25.5	9.154	0.060	0.244	76.2	0.251	24.6	-1.348	-0.439	18.0	1.417
957893.9	15424854.2	1877.9	97.918	60.961	31.9	115.343	25.6	9.179	0.054	0.247	77.7	0.253	21.6	-1.350	-0.424	17.4	1.415
957897.7	15424851.0	1877.2	100.331	62.593	32.0	118.255	25.9	9.410	0.073	0.255	74.0	0.265	28.7	-1.356	-0.355	14.7	1.402
957901.6	15424847.9	1877.7	106.744	67.022	32.1	126.041	26.9	10.030	0.141	0.275	62.8	0.309	49.3	-1.365	-0.196	8.2	1.379

957905.5	15424844.7	1876.3	106.807	67.078	32.1	126.124	27.0	10.037	0.135	0.275	63.9	0.306	47.8	-1.355	-0.167	7.0	1.365	
957909.4	15424841.6	1873.8	102.988	64.504	32.1	121.520	26.6	9.670	0.086	0.263	71.9	0.276	32.6	-1.322	-0.214	9.2	1.340	
957913.2	15424838.4	1872.6	103.642	64.958	32.1	122.316	26.7	9.734	0.088	0.263	71.4	0.277	33.4	-1.301	-0.162	7.1	1.311	
957917.1	15424835.2	1871.3	104.002	65.214	32.1	122.757	26.8	9.769	0.089	0.261	71.2	0.276	33.2	-1.272	-0.111	5.0	1.277	
957921.0	15424832.1	1871.0	107.841	67.834	32.2	127.401	27.3	10.138	0.126	0.268	64.8	0.297	46.9	-1.259	0.015	-0.7	1.259	
957924.9	15424828.9	1870.8	112.365	70.940	32.3	132.885	28.0	10.575	0.170	0.279	58.6	0.327	61.0	-1.251	0.152	-6.9	1.260	
957928.7	15424825.7	1870.1	114.995	72.761	32.3	136.081	28.4	10.829	0.194	0.283	55.6	0.344	68.3	-1.234	0.252	-11.6	1.260	
957932.6	15424822.6	1868.1	112.745	71.227	32.3	133.359	28.1	10.612	0.169	0.269	57.9	0.317	62.0	-1.187	0.264	-12.6	1.216	
957936.5	15424819.4	1866.2	110.378	69.617	32.2	130.498	27.9	10.385	0.144	0.254	60.5	0.292	51.4	-1.141	0.274	-13.5	1.173	
957940.3	15424816.3	1864.7	110.031	69.392	32.2	130.084	27.9	10.352	0.139	0.247	60.6	0.283	47.8	-1.117	0.318	-15.9	1.161	
957944.2	15424813.1	1863.2	109.408	68.978	32.2	129.337	27.8	10.292	0.131	0.240	61.3	0.274	42.7	-1.098	0.350	-17.7	1.153	
957948.1	15424809.9	1862.2	110.336	69.626	32.3	130.468	28.0	10.382	0.136	0.240	60.5	0.276	45.3	-1.102	0.401	-20.0	1.173	
957952.0	15424806.8	1860.5	109.123	68.808	32.2	129.006	27.9	10.266	0.122	0.236	62.6	0.266	37.5	-1.098	0.405	-20.2	1.170	
957955.8	15424803.6	1858.3	105.839	66.579	32.2	125.038	27.5	9.950	0.096	0.229	67.2	0.248	19.2	-1.086	0.359	-18.3	1.144	
957959.7	15424800.4	1856.9	105.283	66.212	32.2	124.372	27.5	9.897	0.088	0.232	69.2	0.248	15.0	-1.102	0.348	-17.6	1.155	
957963.6	15424797.3	1855.5	105.003	66.032	32.2	124.040	27.5	9.871	0.081	0.238	71.2	0.251	11.6	-1.121	0.330	-16.4	1.169	
957967.5	15424794.1	1854.3	105.415	66.323	32.2	124.544	27.6	9.911	0.077	0.246	72.7	0.258	10.2	-1.143	0.315	-15.4	1.186	
957971.3	15424791.0	1853.3	106.179	66.855	32.2	125.473	27.7	9.985	0.075	0.256	73.6	0.267	10.3	-1.162	0.298	-14.4	1.199	
957975.2	15424787.8	1852.1	106.602	67.155	32.2	125.991	27.8	10.026	0.075	0.265	74.1	0.276	9.1	-1.170	0.268	-12.9	1.201	
957979.1	15424784.6	1851.6	109.457	69.118	32.3	129.453	28.2	10.302	0.090	0.279	72.2	0.293	19.1	-1.184	0.284	-13.5	1.217	
957982.9	15424781.5	1851.0	111.869	70.785	32.3	132.383	28.6	10.535	0.106	0.293	70.1	0.312	25.6	-1.186	0.290	-13.7	1.220	
957986.8	15424778.3	1850.5	114.716	72.761	32.4	135.845	29.0	10.810	0.127	0.308	67.6	0.333	32.4	-1.182	0.303	-14.4	1.220	
957990.7	15424775.1	1849.6	116.080	73.716	32.4	137.508	29.2	10.943	0.136	0.319	66.9	0.346	32.6	-1.161	0.285	-13.8	1.196	
957994.6	15424772.0	1848.9	118.459	75.380	32.5	140.408	29.6	11.173	0.152	0.332	65.4	0.365	35.6	-1.141	0.289	-14.2	1.177	
957998.4	15424768.8	1847.9	119.535	76.141	32.5	141.725	29.7	11.278	0.157	0.341	65.3	0.376	33.4	-1.106	0.264	-13.4	1.137	
958002.3	15424765.7	1847.4	122.369	78.133	32.6	145.186	30.2	11.554	0.174	0.356	63.9	0.396	36.2	-1.081	0.277	-14.4	1.116	
958006.2	15424762.5	1846.9	125.487	80.334	32.6	148.999	30.6	11.857	0.193	0.371	62.5	0.418	39.0	-1.056	0.297	-15.7	1.097	
958010.1	15424759.3	1846.3	128.380	82.388	32.7	152.543	31.0	12.139	0.210	0.386	61.5	0.440	40.4	-1.027	0.311	-16.8	1.074	
958013.9	15424756.2	1845.7	131.330	84.492	32.8	156.162	31.4	12.427	0.226	0.402	60.6	0.462	41.3	-0.999	0.325	-18.0	1.051	
958017.8	15424753.0	1845.2	134.546	86.796	32.8	160.113	31.9	12.741	0.244	0.420	59.8	0.486	42.5	-0.974	0.343	-19.4	1.032	
958021.7	15424749.8	1844.7	138.251	89.464	32.9	164.673	32.4	13.104	0.265	0.439	58.9	0.513	44.4	-0.955	0.371	-21.2	1.025	
958025.6	15424746.7	1844.3	142.310	92.405	33.0	169.679	32.9	13.503	0.288	0.461	58.0	0.543	46.6	-0.944	0.405	-23.2	1.027	
958029.4	15424743.5	1843.7	145.074	94.423	33.1	173.096	33.3	13.775	0.299	0.479	58.0	0.565	45.6	-0.921	0.406	-23.8	1.006	
958033.3	15424740.4	1843.0	147.788	96.415	33.1	176.457	33.7	14.042	0.310	0.498	58.1	0.586	44.3	-0.901	0.403	-24.1	0.987	
958037.2	15424737.2	1842.4	150.775	98.616	33.2	180.162	34.1	14.337	0.322	0.518	58.1	0.610	43.4	-0.889	0.404	-24.4	0.977	
958041.0	15424734.0	1841.7	153.774	100.836	33.3	183.886	34.5	14.633	0.333	0.539	58.3	0.634	42.5	-0.882	0.402	-24.5	0.969	
958044.9	15424730.9	1841.2	157.383	103.521	33.3	188.377	35.0	14.991	0.348	0.563	58.3	0.662	42.7	-0.886	0.412	-24.9	0.977	
958048.8	15424727.7	1840.4	159.706	105.262	33.4	191.275	35.3	15.221	0.352	0.584	58.9	0.682	40.2	-0.879	0.387	-23.8	0.960	
958052.7	15424724.5	1839.7	162.134	107.090	33.4	194.308	35.6	15.463	0.356	0.606	59.6	0.703	38.0	-0.876	0.360	-22.4	0.947	
958056.5	**15424721.4**	**1839.4**	**167.395**	**111.057**	**33.6**	**200.885**	**36.3**	**15.986**	**0.381**	**0.638**	**59.2**	**0.743**	**40.5**	**-0.911**	**0.405**	**-24.0**	**0.998**	**BF exceeds limit NG**
958060.4	**15424718.2**	**1838.9**	**171.457**	**114.147**	**33.7**	**205.978**	**36.8**	**16.391**	**0.396**	**0.666**	**59.3**	**0.775**	**40.6**	**-0.933**	**0.417**	**-24.1**	**1.022**	**BF exceeds limit NG**
958064.3	**15424715.1**	**1838.3**	**174.935**	**116.813**	**33.7**	**210.350**	**37.3**	**16.739**	**0.406**	**0.694**	**59.7**	**0.804**	**39.5**	**-0.946**	**0.412**	**-23.5**	**1.032**	**BF exceeds limit NG**
958068.2	**15424711.9**	**1837.6**	**177.719**	**118.961**	**33.8**	**213.859**	**37.7**	**17.018**	**0.411**	**0.720**	**60.3**	**0.830**	**37.4**	**-0.948**	**0.385**	**-22.1**	**1.023**	**BF exceeds limit NG**
958072.0	**15424708.7**	**1837.0**	**181.224**	**121.676**	**33.9**	**218.282**	**38.1**	**17.370**	**0.423**	**0.750**	**60.6**	**0.861**	**36.2**	**-0.954**	**0.376**	**-21.5**	**1.026**	**BF exceeds limit NG**
958075.9	**15424705.6**	**1836.5**	**185.882**	**125.304**	**34.0**	**224.172**	**38.7**	**17.839**	**0.445**	**0.784**	**60.4**	**0.901**	**36.5**	**-0.970**	**0.397**	**-22.3**	**1.048**	**BF exceeds limit NG**
958079.8	**15424702.4**	**1836.4**	**193.003**	**130.896**	**34.1**	**233.204**	**39.7**	**18.558**	**0.486**	**0.827**	**59.5**	**0.959**	**39.9**	**-1.013**	**0.488**	**-25.7**	**1.124**	**BF exceeds limit NG**
958083.6	**15424699.2**	**1836.0**	**199.031**	**135.686**	**34.3**	**240.881**	**40.4**	**19.169**	**0.521**	**0.866**	**59.0**	**1.011**	**41.5**	**-1.035**	**0.548**	**-27.9**	**1.172**	**BF exceeds limit NG**
958087.5	**15424696.1**	**1835.6**	**204.282**	**139.901**	**34.4**	**247.596**	**41.1**	**19.703**	**0.550**	**0.904**	**58.7**	**1.058**	**42.0**	**-1.043**	**0.588**	**-29.4**	**1.197**	**BF exceeds limit NG**
958091.4	**15424692.9**	**1835.0**	**208.644**	**143.435**	**34.5**	**253.192**	**41.7**	**20.148**	**0.574**	**0.938**	**58.5**	**1.100**	**41.5**	**-1.034**	**0.604**	**-30.3**	**1.197**	**BF exceeds limit NG**
958095.3	**15424689.8**	**1834.2**	**209.931**	**144.496**	**34.5**	**254.853**	**41.9**	**20.281**	**0.575**	**0.961**	**59.1**	**1.120**	**37.9**	**-0.977**	**0.532**	**-28.6**	**1.112**	**BF exceeds limit NG**
958099.1	**15424686.6**	**1833.4**	**212.387**	**146.509**	**34.6**	**258.018**	**42.2**	**20.532**	**0.587**	**0.990**	**59.3**	**1.151**	**35.7**	**-0.932**	**0.491**	**-27.8**	**1.053**	**BF exceeds limit NG**
958103.0	**15424683.4**	**1833.0**	**217.442**	**150.662**	**34.7**	**264.537**	**42.8**	**21.051**	**0.616**	**1.028**	**59.1**	**1.199**	**36.2**	**-0.923**	**0.524**	**-29.6**	**1.061**	**BF exceeds limit NG**
958106.9	**15424680.3**	**1832.6**	**223.990**	**156.089**	**34.9**	**273.011**	**43.7**	**21.726**	**0.658**	**1.074**	**58.5**	**1.260**	**37.9**	**-0.933**	**0.599**	**-32.7**	**1.109**	**BF exceeds limit NG**
958110.8	**15424677.1**	**1832.0**	**227.971**	**159.427**	**35.0**	**278.187**	**44.2**	**22.137**	**0.682**	**1.114**	**58.5**	**1.306**	**37.1**	**-0.900**	**0.593**	**-33.4**	**1.078**	**BF exceeds limit NG**
958114.6	**15424673.9**	**1831.3**	**230.853**	**161.862**	**35.0**	**281.944**	**44.6**	**22.436**	**0.700**	**1.151**	**58.7**	**1.347**	**35.3**	**-0.843**	**0.550**	**-33.1**	**1.007**	**BF exceeds limit NG**
958118.5	**15424670.8**	**1830.8**	**235.076**	**165.444**	**35.1**	**287.458**	**45.1**	**22.875**	**0.729**	**1.197**	**58.6**	**1.401**	**34.6**	**-0.801**	**0.544**	**-34.2**	**0.968**	**BF exceeds limit NG**
958122.4	**15424667.6**	**1830.3**	**239.892**	**169.560**	**35.3**	**293.767**	**45.8**	**23.377**	**0.765**	**1.247**	**58.5**	**1.463**	**34.3**	**-0.763**	**0.556**	**-36.1**	**0.944**	**BF exceeds limit NG**
958126.2	**15424664.5**	**1830.0**	**247.529**	**176.145**	**35.4**	**303.805**	**46.7**	**24.176**	**0.821**	**1.308**	**57.9**	**1.544**	**36.0**	**-0.770**	**0.664**	**-40.8**	**1.017**	**BF exceeds limit NG**
958130.1	**15424661.3**	**1830.2**	**262.229**	**189.055**	**35.8**	**323.274**	**48.6**	**25.725**	**0.927**	**1.394**	**56.4**	**1.674**	**42.2**	**-0.904**	**1.011**	**-48.2**	**1.356**	**BF and EF exceed limits NG**
958134.0	**15424658.1**	**1830.6**	**279.005**	**204.200**	**36.2**	**345.748**	**50.8**	**27.514**	**1.050**	**1.490**	**54.8**	**1.823**	**48.6**	**-1.084**	**1.440**	**-53.0**	**1.803**	**BF and EF exceed limits NG**
958137.9	**15424655.0**	**1829.6**	**278.043**	**203.342**	**36.2**	**344.465**	**50.7**	**27.412**	**1.037**	**1.498**	**55.3**	**1.823**	**45.2**	**-0.978**	**1.351**	**-54.1**	**1.667**	**BF and EF exceed limits NG**
958141.7	**15424651.8**	**1827.9**	**267.783**	**194.071**	**35.9**	**330.713**	**49.4**	**26.317**	**0.957**	**1.461**	**56.8**	**1.746**	**36.5**	**-0.718**	**0.994**	**-54.1**	**1.226**	**BF and EF exceed limits NG**
958145.6	**15424648.6**	**1827.0**	**267.668**	**193.986**	**35.9**	**330.570**	**49.4**	**26.306**	**0.947**	**1.458**	**57.0**	**1.739**	**34.1**	**-0.652**	**0.985**	**-56.5**	**1.182**	**BF and EF exceed limits NG**
958149.5	**15424645.5**	**1826.4**	**270.798**	**196.821**	**36.0**	**334.769**	**49.8**	**26.640**	**0.958**	**1.463**	**56.8**	**1.749**	**33.9**	**-0.658**	**1.102**	**-59.2**	**1.284**	**BF and EF exceed limits NG**
958153.4	**15424642.3**	**1825.8**	**274.745**	**200.412**	**36.1**	**340.074**	**50.3**	**27.062**	**0.976**	**1.472**	**56.5**	**1.766**	**34.3**	**-0.686**	**1.254**	**-61.3**	**1.429**	**BF and EF exceed limits NG**
958157.2	**15424639.2**	**1825.0**	**275.770**	**201.361**	**36.1**	**341.460**	**50.5**	**27.173**	**0.976**	**1.472**	**56.5**	**1.766**	**33.0**	**-0.664**	**1.314**	**-63.2**	**1.472**	**BF and EF exceed limits NG**
958161.1	**15424636.0**	**1824.0**	**273.588**	**199.394**	**36.1**	**338.539**	**50.2**	**26.940**	**0.957**	**1.462**	**56.8**	**1.748**	**29.7**	**-0.585**	**1.266**	**-65.2**	**1.395**	**BF and EF exceed limits NG**
958165.0	**15424632.8**	**1823.3**	**275.883**	**201.496**	**36.1**	**341.632**	**50.5**	**27.186**	**0.969**	**1.475**	**56.7**	**1.765**	**29.3**	**-0.592**	**1.348**	**-66.3**	**1.472**	**BF and EF exceed limits NG**
958168.8	**15424629.7**	**1822.7**	**279.074**	**204.424**	**36.2**	**345.935**	**51.0**	**27.529**	**0.986**	**1.497**	**56.6**	**1.793**	**29.5**	**-0.619**	**1.444**	**-66.8**	**1.571**	**BF and EF exceed limits NG**
958172.7	**15424626.5**	**1822.4**	**286.544**	**211.327**	**36.4**	**356.043**	**52.0**	**28.333**	**1.030**	**1.541**	**56.2**	**1.853**	**32.3**	**-0.732**	**1.661**	**-66.2**	**1.815**	**BF and EF exceed limits NG**
958176.6	**15424623.3**	**1821.9**	**291.180**	**215.663**	**36.5**	**362.348**	**52.6**	**28.835**	**1.054**	**1.574**	**56.2**	**1.895**	**33.3**	**-0.800**	**1.780**	**-65.8**	**1.952**	**BF and EF exceed limits NG**
958180.5	**15424620.2**	**1820.9**	**288.247**	**212.937**	**36.5**	**358.369**	**52.2**	**28.518**	**1.027**	**1.574**	**56.9**	**1.879**	**30.0**	**-0.737**	**1.658**	**-66.0**	**1.814**	**BF and EF exceed limits NG**
958184.3	**15424617.0**	**1820.2**	**290.407**	**214.964**	**36.5**	**361.311**	**52.5**	**28.752**	**1.030**	**1.592**	**57.1**	**1.897**	**29.6**	**-0.773**	**1.695**	**-65.5**	**1.863**	**BF and EF exceed limits NG**
958188.2	**15424613.9**	**1819.3**	**288.477**	**213.174**	**36.5**	**358.695**	**52.3**	**28.544**	**1.008**	**1.593**	**57.7**	**1.885**	**26.7**	**-0.735**	**1.598**	**-65.3**	**1.759**	**BF and EF exceed limits NG**

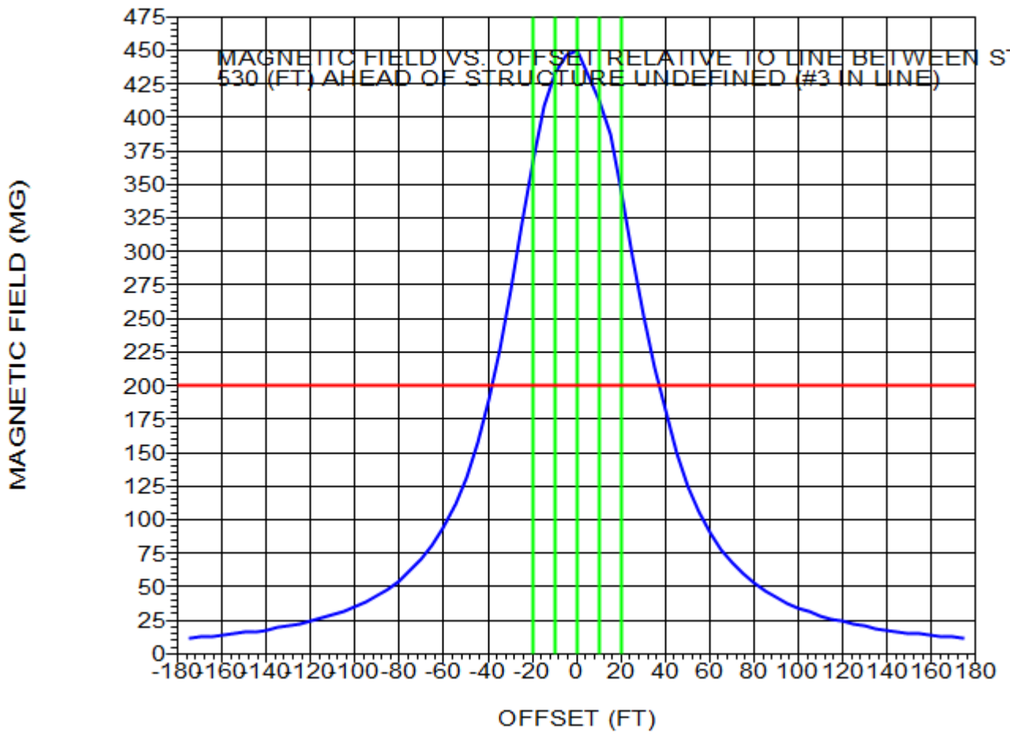
958192.1	15424610.7	1818.5	289.088	213.754	36.5	359.531	52.4	28.611	1.003	1.606	58.0	1.893	25.2	-0.741	1.576	-64.8	1.742	BF and EF exceed limits NG
958196.0	15424607.5	1818.0	293.007	217.432	36.6	364.869	52.9	29.035	1.021	1.635	58.0	1.928	25.6	-0.800	1.649	-64.1	1.833	BF and EF exceed limits NG
958199.8	15424604.4	1817.6	299.150	223.243	36.7	373.267	53.7	29.704	1.057	1.679	57.8	1.984	27.0	-0.891	1.778	-63.4	1.988	BF and EF exceed limits NG
958203.7	15424601.2	1817.2	304.654	228.506	36.9	380.827	54.4	30.305	1.091	1.727	57.7	2.043	27.9	-0.960	1.868	-62.8	2.100	BF and EF exceed limits NG
958207.6	15424598.0	1816.3	302.690	226.632	36.8	378.131	54.2	30.091	1.081	1.748	58.3	2.055	24.7	-0.884	1.696	-62.5	1.913	BF and EF exceed limits NG
958211.4	15424594.9	1816.1	310.894	234.540	37.0	389.440	55.3	30.991	1.134	1.817	58.0	2.142	26.9	-0.994	1.841	-61.6	2.092	BF and EF exceed limits NG
958215.3	15424591.7	1815.9	319.288	242.882	37.3	401.169	56.5	31.924	1.192	1.893	57.8	2.237	29.1	-1.103	1.976	-60.8	2.263	BF and EF exceed limits NG
958219.2	15424588.6	1815.3	322.054	245.616	37.3	405.026	56.9	32.231	1.212	1.943	58.0	2.290	28.4	-1.109	1.922	-60.0	2.219	BF and EF exceed limits NG
958223.1	15424585.4	1814.8	324.498	248.043	37.4	408.441	57.2	32.503	1.230	1.991	58.3	2.341	27.7	-1.110	1.854	-59.1	2.161	BF and EF exceed limits NG
958226.9	15424582.2	1814.5	332.347	255.909	37.6	419.457	58.3	33.379	1.282	2.064	58.1	2.430	29.4	-1.219	1.974	-58.3	2.320	BF and EF exceed limits NG
958230.8	15424579.1	1814.0	336.792	260.412	37.7	425.727	58.9	33.878	1.312	2.118	58.2	2.492	29.7	-1.267	1.987	-57.5	2.356	BF and EF exceed limits NG
958234.7	15424575.9	1813.4	336.903	260.521	37.7	425.881	58.9	33.891	1.312	2.150	58.6	2.519	28.3	-1.236	1.863	-56.4	2.236	BF and EF exceed limits NG
958238.6	15424572.7	1813.1	345.417	269.249	37.9	437.959	60.1	34.852	1.368	2.216	58.3	2.604	30.5	-1.371	2.054	-56.3	2.470	BF and EF exceed limits NG
958242.4	15424569.6	1812.9	353.886	278.067	38.2	450.063	61.3	35.815	1.425	2.277	58.0	2.686	32.8	-1.510	2.274	-56.4	2.730	BF and EF exceed limits NG
958246.3	15424566.4	1812.2	352.898	277.024	38.1	448.642	61.1	35.702	1.417	2.277	58.1	2.682	31.8	-1.471	2.203	-56.3	2.649	BF and EF exceed limits NG
958250.2	15424563.3	1811.4	351.197	275.234	38.1	446.199	60.9	35.507	1.403	2.262	58.2	2.661	31.0	-1.424	2.148	-56.5	2.577	BF and EF exceed limits NG
958254.0	15424560.1	1810.8	352.506	276.593	38.1	448.067	61.1	35.656	1.409	2.248	57.9	2.653	31.6	-1.439	2.242	-57.3	2.664	BF and EF exceed limits NG
958257.9	15424556.9	1809.8	344.836	268.608	37.9	437.107	60.0	34.784	1.355	2.180	58.1	2.567	29.1	-1.284	2.063	-58.1	2.429	BF and EF exceed limits NG
958261.8	15424553.8	1808.5	333.474	256.988	37.6	421.008	58.4	33.503	1.281	2.092	58.5	2.453	25.0	-1.056	1.782	-59.4	2.071	BF and EF exceed limits NG
958265.7	15424550.6	1807.9	333.716	257.220	37.6	421.341	58.5	33.529	1.282	2.058	58.1	2.424	26.0	-1.055	1.919	-61.2	2.189	BF and EF exceed limits NG
958269.5	15424547.4	1807.5	337.718	261.270	37.7	426.984	59.0	33.978	1.311	2.048	57.4	2.432	28.7	-1.122	2.177	-62.7	2.449	BF and EF exceed limits NG
958273.4	15424544.3	1806.3	326.112	249.555	37.4	410.642	57.4	32.678	1.245	1.972	57.7	2.332	24.5	-0.879	1.894	-65.1	2.088	BF and EF exceed limits NG
958277.3	15424541.1	1805.7	326.973	250.400	37.4	411.840	57.5	32.773	1.257	1.959	57.3	2.328	26.1	-0.877	2.021	-66.5	2.203	BF and EF exceed limits NG
958281.2	15424538.0	1805.2	328.465	251.876	37.5	413.921	57.7	32.939	1.275	1.951	56.8	2.331	28.0	-0.889	2.156	-67.6	2.332	BF and EF exceed limits NG
958285.0	15424534.8	1804.4	324.240	247.643	37.4	407.994	57.2	32.467	1.255	1.918	56.8	2.292	27.4	-0.792	2.092	-69.3	2.237	BF and EF exceed limits NG
958288.9	15424531.6	1803.7	322.441	245.841	37.3	405.471	56.9	32.266	1.247	1.896	56.7	2.269	27.9	-0.751	2.104	-70.4	2.234	BF and EF exceed limits NG
958292.8	15424528.5	1802.8	316.106	239.585	37.2	396.641	56.1	31.564	1.209	1.852	56.9	2.212	26.2	-0.628	1.964	-72.3	2.062	BF and EF exceed limits NG
958296.6	15424525.3	1802.1	313.628	237.145	37.1	393.193	55.7	31.289	1.193	1.826	56.8	2.181	26.2	-0.589	1.948	-73.2	2.035	BF and EF exceed limits NG
958300.5	15424522.1	1801.3	310.512	234.097	37.0	388.870	55.3	30.945	1.173	1.798	56.9	2.147	25.8	-0.540	1.907	-74.2	1.982	BF and EF exceed limits NG
958304.4	15424519.0	1800.8	310.478	234.043	37.0	388.809	55.3	30.940	1.172	1.785	56.7	2.136	26.8	-0.553	1.961	-74.2	2.037	BF and EF exceed limits NG
958308.3	15424515.8	1800.3	310.911	234.441	37.0	389.394	55.3	30.987	1.175	1.776	56.5	2.130	28.0	-0.576	2.022	-74.1	2.103	BF and EF exceed limits NG
958312.1	15424512.7	1799.8	311.115	234.615	37.0	389.662	55.3	31.008	1.176	1.767	56.4	2.123	28.9	-0.596	2.069	-73.9	2.153	BF and EF exceed limits NG
958316.0	15424509.5	1798.9	305.251	228.937	36.9	381.563	54.5	30.364	1.137	1.733	56.7	2.073	26.6	-0.499	1.911	-75.4	1.975	BF and EF exceed limits NG
958319.9	15424506.3	1798.1	300.461	224.338	36.7	374.972	53.9	29.839	1.106	1.707	57.1	2.034	24.6	-0.424	1.777	-76.6	1.827	BF and EF exceed limits NG
958323.8	15424503.2	1797.6	300.285	224.147	36.7	374.717	53.9	29.819	1.102	1.705	57.1	2.030	24.9	-0.439	1.778	-76.1	1.831	BF and EF exceed limits NG
958327.6	15424500.0	1797.3	302.645	226.369	36.8	377.938	54.2	30.075	1.114	1.719	57.1	2.048	26.4	-0.501	1.843	-74.8	1.910	BF and EF exceed limits NG
958331.5	15424496.8	1796.9	304.893	228.491	36.8	381.009	54.4	30.320	1.127	1.738	57.0	2.072	27.6	-0.556	1.887	-73.6	1.967	BF and EF exceed limits NG
958335.4	15424493.7	1796.6	307.024	230.509	36.9	383.925	54.7	30.552	1.141	1.761	57.1	2.098	28.7	-0.605	1.915	-72.5	2.009	BF and EF exceed limits NG
958339.2	15424490.5	1796.3	309.036	232.417	36.9	386.679	55.0	30.771	1.153	1.784	57.1	2.124	29.7	-0.649	1.934	-71.4	2.040	BF and EF exceed limits NG
958343.1	15424487.4	1795.9	310.548	233.848	37.0	388.748	55.1	30.936	1.163	1.803	57.2	2.145	30.4	-0.680	1.939	-70.7	2.055	BF and EF exceed limits NG
958347.0	15424484.2	1795.4	309.735	233.031	37.0	387.607	55.0	30.845	1.158	1.809	57.4	2.148	29.9	-0.662	1.875	-70.5	1.989	BF and EF exceed limits NG
958350.9	15424481.0	1795.1	311.020	234.240	37.0	389.361	55.2	30.984	1.168	1.820	57.3	2.163	30.6	-0.678	1.896	-70.3	2.013	BF and EF exceed limits NG
958354.7	15424477.9	1794.7	312.393	235.536	37.0	391.238	55.3	31.134	1.181	1.828	57.1	2.176	31.5	-0.687	1.938	-70.5	2.057	BF and EF exceed limits NG
958358.6	15424474.7	1794.4	313.632	236.704	37.0	392.930	55.5	31.268	1.195	1.829	56.8	2.185	32.4	-0.685	2.002	-71.1	2.116	BF and EF exceed limits NG
958362.5	15424471.5	1794.0	314.734	237.739	37.1	394.433	55.6	31.388	1.211	1.823	56.4	2.189	33.6	-0.672	2.089	-72.2	2.195	BF and EF exceed limits NG
958366.4	15424468.4	1793.7	315.775	238.716	37.1	395.853	55.7	31.501	1.228	1.808	55.8	2.186	34.9	-0.652	2.208	-73.5	2.302	BF and EF exceed limits NG
958370.2	15424465.2	1792.9	308.838	231.955	36.9	386.243	54.8	30.736	1.191	1.749	55.7	2.116	32.9	-0.475	2.102	-77.3	2.155	BF and EF exceed limits NG
958374.1	15424462.1	1792.6	309.815	232.859	36.9	387.568	54.9	30.842	1.210	1.716	54.8	2.100	34.9	-0.446	2.286	-79.0	2.329	BF and EF exceed limits NG
958378.0	15424458.9	1791.7	302.786	226.084	36.7	377.880	53.9	30.071	1.176	1.642	54.4	2.019	33.3	-0.261	2.244	-83.4	2.259	BF and EF exceed limits NG
958381.8	15424455.7	1790.6	291.500	215.411	36.5	362.456	52.4	28.843	1.117	1.548	54.2	1.909	29.5	0.010	2.094	89.7	2.094	BF and EF exceed limits NG
958385.7	15424452.6	1790.0	287.347	211.515	36.4	356.800	51.9	28.393	1.105	1.482	53.3	1.849	29.7	0.138	2.181	86.4	2.186	BF and EF exceed limits NG
958389.6	15424449.4	1789.4	283.145	207.604	36.2	351.099	51.3	27.940	1.095	1.418	52.3	1.792	30.0	0.261	2.270	83.4	2.285	BF and EF exceed limits NG
958393.5	15424446.2	1788.7	278.902	203.685	36.1	345.361	50.7	27.483	1.085	1.357	51.4	1.737	30.7	0.374	2.354	81.0	2.384	BF and EF exceed limits NG
958397.3	15424443.1	1788.1	274.612	199.753	36.0	339.578	50.1	27.023	1.073	1.298	50.4	1.684	31.7	0.472	2.431	79.0	2.477	BF and EF exceed limits NG
958401.2	15424439.9	1787.4	269.851	195.430	35.9	333.186	49.5	26.514	1.056	1.237	49.5	1.627	32.7	0.556	2.490	77.4	2.551	BF and EF exceed limits NG
958405.1	15424436.8	1786.4	260.581	187.050	35.7	320.765	48.2	25.526	1.006	1.158	49.0	1.534	30.8	0.705	2.407	73.7	2.508	BF exceeds limit NG
958409.0	15424433.6	1785.0	247.181	175.340	35.4	303.055	46.5	24.116	0.930	1.068	48.9	1.416	25.9	0.909	2.220	67.7	2.399	BF exceeds limit NG
958412.8	15424430.4	1784.0	238.657	168.022	35.1	291.871	45.4	23.226	0.878	0.998	48.6	1.329	24.9	0.975	2.155	65.7	2.365	BF exceeds limit NG
958416.7	15424427.3	1782.5	224.686	156.281	34.8	273.693	43.7	21.780	0.797	0.921	49.1	1.217	19.4	1.124	1.925	59.7	2.229	BF exceeds limit NG
958420.6	15424424.1	1781.4	216.458	149.486	34.6	263.059	42.6	20.934	0.740	0.870	49.6	1.142	19.4	1.120	1.814	58.3	2.132	BF exceeds limit NG
958424.4	15424420.9	1780.2	206.974	141.777	34.4	250.876	41.4	19.964	0.677	0.831	50.8	1.072	19.2	1.121	1.626	55.4	1.975	BF exceeds limit NG
958428.3	15424417.8	1779.0	199.082	135.452	34.2	240.792	40.4	19.162	0.623	0.812	52.5	1.023	20.0	1.076	1.427	53.0	1.787	BF exceeds limit NG
958432.2	15424414.6	1778.6	197.076	133.840	34.2	238.227	40.1	18.958	0.587	0.812	54.2	1.002	21.3	0.913	1.333	55.6	1.616	BF exceeds limit NG
958436.1	15424411.5	1778.8	201.252	137.122	34.3	243.526	40.6	19.379	0.580	0.832	55.1	1.014	25.1	0.651	1.365	64.5	1.512	BF exceeds limit NG
958439.9	15424408.3	1778.7	202.857	138.373	34.3	245.557	40.8	19.541	0.572	0.854	56.2	1.028	27.3	0.463	1.304	70.5	1.384	BF exceeds limit NG
958443.8	15424405.1	1779.0	207.630	142.163	34.4	251.636	41.3	20.025	0.589	0.885	56.3	1.063	32.2	0.246	1.318	79.4	1.341	BF exceeds limit NG
958447.7	15424402.0	1778.8	208.282	142.657	34.4	252.452	41.4	20.090	0.586	0.903	57.0	1.077	32.7	0.123	1.220	84.3	1.227	BF exceeds limit NG
958451.6	15424398.8	1778.9	210.479	144.395	34.5	255.247	41.6	20.312	0.595	0.924	57.2	1.098	34.3	-0.006	1.171	-89.7	1.171	BF exceeds limit NG
958455.4	15424395.6	1778.6	210.231	144.164	34.4	254.913	41.5	20.285	0.589	0.934	57.8	1.104	33.2	-0.077	1.063	-85.9	1.066	BF exceeds limit NG
958459.3	15424392.5	1778.8	213.635	146.882	34.5	259.257	41.9	20.631	0.607	0.953	57.5	1.130	35.7	-0.192	1.069	-79.8	1.086	BF exceeds limit NG
958463.2	15424389.3	1778.6	213.934	147.091	34.5	259.622	41.9	20.660	0.605	0.961	57.8	1.135	34.9	-0.246	0.998	-76.2	1.028	BF exceeds limit NG
958467.1	15424386.2	1778.8	217.076	149.609	34.6	263.638	42.3	20.980	0.622	0.976	57.5	1.158	36.9	-0.334	1.018	-71.8	1.071	BF exceeds limit NG
958470.9	15424383.0	1778.5	216.550	149.146	34.6	262.942	42.2	20.924	0.614	0.979	57.9	1.156	35.1	-0.357	0.942	-69.2	1.008	BF exceeds limit NG
958474.8	15424379.8	1778.5	218.101	150.373	34.6	264.916	42.3	21.081	0.620	0.988	57.9	1.167	35.3	-0.407	0.932	-66.4	1.017	BF exceeds limit NG

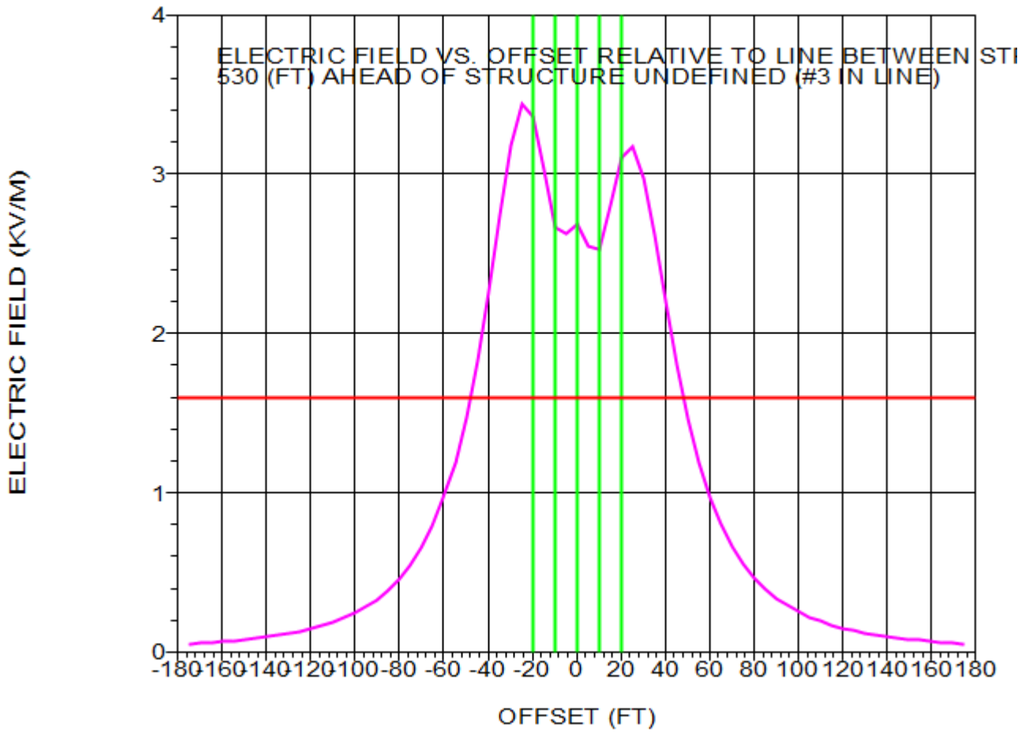
958478.7	15424376.7	1778.4	217.774	150.071	34.6	264.475	42.2	21.046	0.614	0.991	58.2	1.166	33.7	-0.421	0.873	-64.2	0.969	BF exceeds limit NG
958482.5	15424373.5	1778.5	221.279	152.895	34.6	268.963	42.6	21.403	0.633	1.007	57.8	1.190	35.9	-0.492	0.928	-62.1	1.050	BF exceeds limit NG
958486.4	15424370.3	1778.6	222.916	154.199	34.7	271.051	42.8	21.570	0.641	1.016	57.8	1.202	36.3	-0.530	0.932	-60.4	1.072	BF exceeds limit NG
958490.3	15424367.2	1778.5	223.932	154.994	34.7	272.339	42.9	21.672	0.644	1.024	57.8	1.210	36.1	-0.556	0.921	-58.9	1.076	BF exceeds limit NG
958494.2	15424364.0	1778.6	225.346	156.117	34.7	274.141	43.0	21.815	0.650	1.033	57.8	1.220	36.3	-0.587	0.924	-57.6	1.095	BF exceeds limit NG
958498.0	15424360.9	1778.5	225.988	156.605	34.7	274.947	43.0	21.880	0.651	1.038	57.9	1.226	35.9	-0.605	0.908	-56.3	1.091	BF exceeds limit NG
958501.9	15424357.7	1778.5	227.438	157.759	34.7	276.796	43.2	22.027	0.658	1.047	57.9	1.236	36.3	-0.637	0.916	-55.2	1.115	BF exceeds limit NG
958505.8	15424354.5	1778.6	228.764	158.812	34.8	278.486	43.3	22.161	0.663	1.054	57.8	1.246	36.6	-0.667	0.921	-54.1	1.138	BF exceeds limit NG
958509.7	15424351.4	1778.6	229.677	159.524	34.8	279.641	43.3	22.253	0.666	1.061	57.9	1.252	36.7	-0.693	0.917	-52.9	1.149	BF exceeds limit NG
958513.5	15424348.2	1778.5	230.169	159.887	34.8	280.253	43.3	22.302	0.666	1.065	58.0	1.256	36.4	-0.716	0.901	-51.5	1.151	BF exceeds limit NG
958517.4	15424345.0	1778.6	231.179	160.679	34.8	281.535	43.4	22.404	0.668	1.072	58.0	1.263	36.7	-0.751	0.900	-50.2	1.172	BF exceeds limit NG
958521.3	15424341.9	1778.2	227.987	157.992	34.7	277.379	43.0	22.073	0.642	1.064	58.9	1.242	33.2	-0.725	0.778	-47.0	1.064	BF exceeds limit NG
958525.1	15424338.7	1778.5	232.166	161.405	34.8	282.759	43.4	22.501	0.666	1.081	58.4	1.270	36.8	-0.819	0.868	-46.7	1.194	BF exceeds limit NG
958529.0	15424335.6	1778.5	232.535	161.664	34.8	283.209	43.4	22.537	0.663	1.085	58.6	1.272	36.8	-0.860	0.848	-44.6	1.208	BF exceeds limit NG
958532.9	15424332.4	1778.6	233.204	162.171	34.8	284.048	43.5	22.604	0.662	1.091	58.8	1.276	37.3	-0.912	0.835	-42.5	1.237	BF exceeds limit NG
958536.8	15424329.2	1778.5	233.155	162.081	34.8	283.957	43.4	22.597	0.655	1.094	59.1	1.275	37.3	-0.960	0.801	-39.8	1.250	BF exceeds limit NG
958540.6	15424326.1	1778.5	232.876	161.801	34.8	283.568	43.3	22.566	0.647	1.097	59.5	1.273	37.3	-1.011	0.759	-36.9	1.264	BF exceeds limit NG
958544.5	15424322.9	1778.5	233.348	162.143	34.8	284.151	43.3	22.612	0.644	1.103	59.7	1.277	38.1	-1.079	0.737	-34.3	1.306	BF exceeds limit NG
958548.4	15424319.7	1778.5	233.420	162.152	34.8	284.215	43.3	22.617	0.640	1.107	60.0	1.279	38.9	-1.146	0.701	-31.5	1.343	BF exceeds limit NG
958552.3	15424316.6	1778.6	233.469	162.142	34.8	284.250	43.2	22.620	0.638	1.112	60.2	1.282	40.1	-1.218	0.665	-28.6	1.387	BF exceeds limit NG
958556.1	15424313.4	1778.6	233.372	162.010	34.8	284.095	43.2	22.608	0.636	1.116	60.3	1.285	41.5	-1.292	0.626	-25.8	1.436	BF exceeds limit NG
958560.0	15424310.3	1778.1	228.285	157.759	34.6	277.492	42.5	22.082	0.598	1.101	61.5	1.253	38.8	-1.304	0.446	-18.9	1.378	BF exceeds limit NG
958563.9	15424307.1	1778.5	231.772	160.582	34.7	281.966	42.9	22.438	0.629	1.115	60.6	1.281	44.4	-1.436	0.520	-19.9	1.527	BF exceeds limit NG
958567.7	15424303.9	1778.2	228.501	157.835	34.6	277.713	42.4	22.100	0.609	1.101	61.0	1.258	44.4	-1.482	0.412	-15.6	1.538	BF exceeds limit NG
958571.6	15424300.8	1777.9	223.853	153.983	34.5	271.701	41.8	21.621	0.580	1.077	61.7	1.224	43.7	-1.514	0.281	-10.5	1.540	BF exceeds limit NG
958575.5	15424297.6	1777.8	222.813	153.087	34.5	270.336	41.6	21.513	0.583	1.061	61.2	1.211	46.8	-1.592	0.278	-9.9	1.616	BF exceeds limit NG
958579.4	15424294.4	1777.4	217.805	148.985	34.4	263.885	40.9	20.999	0.555	1.024	61.6	1.165	46.9	-1.621	0.185	-6.5	1.631	BF exceeds limit NG
958583.2	15424291.3	1776.5	207.990	141.096	34.2	251.332	39.7	20.000	0.487	0.966	63.2	1.081	42.5	-1.595	-0.020	0.7	1.595	BF exceeds limit NG
958587.1	15424288.1	1775.7	199.896	134.681	34.0	241.034	38.7	19.181	0.436	0.909	64.4	1.008	39.7	-1.585	-0.148	5.3	1.592	BF exceeds limit NG
958591.0	15424285.0	1774.9	191.549	128.161	33.8	230.470	37.6	18.340	0.385	0.848	65.6	0.932	36.2	-1.569	-0.259	9.4	1.590	BF exceeds limit NG
958594.9	15424281.8	1774.1	184.409	122.650	33.6	221.472	36.7	17.624	0.345	0.791	66.4	0.863	33.7	-1.559	-0.316	11.5	1.590	BF exceeds limit NG
958598.7	15424278.6	1773.1	175.597	115.948	33.4	210.424	35.6	16.745	0.294	0.730	68.0	0.787	28.0	-1.526	-0.410	15.1	1.580	BF exceeds limit NG
958602.6	15424275.5	1772.5	169.811	111.590	33.3	203.195	34.8	16.170	0.267	0.680	68.5	0.730	25.7	-1.518	-0.414	15.3	1.573	BF exceeds limit NG
958606.5	15424272.3	1772.0	165.634	108.462	33.2	197.987	34.3	15.755	0.251	0.638	68.5	0.685	25.2	-1.521	-0.379	14.0	1.568	
958610.3	15424269.1	1771.7	162.461	106.093	33.1	194.034	33.8	15.441	0.240	0.603	68.3	0.649	25.6	-1.532	-0.328	12.1	1.567	
958614.2	15424266.0	1771.4	159.650	104.001	33.1	190.537	33.4	15.162	0.231	0.575	68.1	0.619	25.9	-1.546	-0.284	10.4	1.571	
958618.1	15424262.8	1771.2	157.116	102.122	33.0	187.388	33.1	14.912	0.221	0.552	68.2	0.595	25.8	-1.563	-0.250	9.1	1.583	
958622.0	15424259.7	1771.0	155.103	100.630	33.0	184.888	32.8	14.713	0.213	0.535	68.3	0.576	26.0	-1.589	-0.221	7.9	1.604	
958625.8	15424256.5	1770.9	152.988	99.069	32.9	182.263	32.5	14.504	0.203	0.521	68.7	0.559	25.2	-1.619	-0.212	7.4	1.633	
958629.7	15424253.3	1770.8	151.388	97.886	32.9	180.277	32.2	14.346	0.195	0.512	69.1	0.547	24.8	-1.659	-0.206	7.1	1.672	
958633.6	15424250.2	1771.1	151.863	98.200	32.9	180.846	32.2	14.391	0.200	0.510	68.6	0.548	28.6	-1.725	-0.163	5.4	1.733	
958637.5	15424247.0	1771.5	153.270	99.186	32.9	182.564	32.3	14.528	0.211	0.514	67.7	0.556	33.8	-1.807	-0.111	3.5	1.810	
958641.3	15424243.8	1771.6	152.999	98.961	32.9	182.214	32.2	14.500	0.209	0.514	67.9	0.555	34.8	-1.886	-0.110	3.3	1.889	
958645.2	15424240.7	1771.8	152.676	98.699	32.9	181.801	32.1	14.467	0.204	0.515	68.4	0.554	35.4	-1.976	-0.118	3.4	1.980	
958649.1	15424237.5	1772.0	152.301	98.399	32.9	181.323	32.0	14.429	0.198	0.516	69.0	0.552	35.6	-2.079	-0.134	3.7	2.084	
958652.9	15424234.4	1772.2	152.319	98.382	32.9	181.329	31.9	14.430	0.195	0.518	69.4	0.553	36.2	-2.198	-0.143	3.7	2.202	
958656.8	15424231.2	1773.0	156.141	101.111	32.9	186.020	32.3	14.803	0.230	0.533	66.7	0.581	43.0	-2.346	-0.065	1.6	2.347	
958660.7	15424228.0	1773.1	155.085	100.316	32.9	184.701	32.2	14.698	0.217	0.531	67.8	0.574	40.8	-2.477	-0.102	2.3	2.479	
958664.6	15424224.9	1773.2	154.211	99.655	32.9	183.608	32.0	14.611	0.208	0.529	68.5	0.569	38.6	-2.615	-0.131	2.9	2.618	
958668.4	15424221.7	1773.0	150.720	97.116	32.8	179.298	31.5	14.268	0.174	0.516	71.4	0.545	32.1	-2.750	-0.218	4.5	2.759	
958672.3	15424218.5	1772.7	147.285	94.632	32.7	175.066	31.0	13.931	0.144	0.503	74.1	0.523	25.5	-2.888	-0.300	5.9	2.903	
958676.2	15424215.4	1772.6	145.442	93.292	32.7	172.791	30.7	13.750	0.135	0.494	74.7	0.512	21.5	-3.019	-0.339	6.4	3.038	
958680.1	15424212.2	1771.7	138.645	88.462	32.5	164.463	29.8	13.088	0.089	0.467	79.2	0.476	8.7	-3.149	-0.492	8.9	3.187	
958683.9	15424209.1	1771.0	133.067	84.532	32.4	157.647	29.1	12.545	0.085	0.445	79.2	0.453	4.9	-3.269	-0.613	10.6	3.326	
958687.8	15424205.9	1770.6	129.759	82.210	32.4	153.610	28.6	12.224	0.101	0.430	76.8	0.441	10.3	-3.362	-0.676	11.4	3.429	
958691.7	15424202.7	1770.1	125.680	79.368	32.3	148.643	28.1	11.829	0.124	0.412	73.3	0.430	18.7	-3.439	-0.757	12.4	3.522	
958695.5	15424199.6	1770.0	123.662	77.959	32.2	146.185	27.7	11.633	0.134	0.400	71.4	0.422	21.9	-3.480	-0.786	12.7	3.568	
958699.4	15424196.4	1769.2	118.490	74.402	32.1	139.913	27.0	11.134	0.169	0.381	66.0	0.417	34.1	-3.527	-0.895	14.2	3.639	
958703.3	15424193.2	1769.1	116.777	73.217	32.1	137.831	26.8	10.968	0.176	0.371	64.6	0.410	36.9	-3.523	-0.920	14.6	3.641	
958707.2	15424190.1	1769.4	116.589	73.070	32.1	137.595	26.7	10.949	0.169	0.365	65.2	0.402	35.7	-3.485	-0.911	14.6	3.602	
958711.0	15424186.9	1769.8	116.853	73.229	32.1	137.902	26.6	10.974	0.159	0.362	66.3	0.395	33.8	-3.426	-0.895	14.6	3.541	
958714.9	15424183.8	1770.6	118.788	74.524	32.1	140.230	26.8	11.159	0.142	0.363	68.6	0.390	28.9	-3.340	-0.843	14.2	3.445	
958718.8	15424180.6	1771.3	120.191	75.459	32.1	141.915	26.9	11.293	0.135	0.365	69.7	0.389	26.9	-3.249	-0.809	14.0	3.348	
958722.7	15424177.4	1771.8	120.754	75.822	32.1	142.586	26.9	11.347	0.132	0.365	70.2	0.388	26.9	-3.157	-0.798	14.2	3.256	
958726.5	15424174.3	1771.9	119.713	75.092	32.1	141.315	26.7	11.246	0.127	0.361	70.5	0.382	28.0	-3.069	-0.826	15.1	3.178	
958730.4	15424171.1	1773.1	123.025	77.329	32.2	145.310	27.1	11.563	0.136	0.369	69.8	0.393	28.7	-2.956	-0.755	14.3	3.051	
958734.3	15424167.9	1773.9	124.919	78.603	32.2	147.591	27.2	11.745	0.149	0.373	68.2	0.402	31.6	-2.854	-0.717	14.1	2.943	
958738.1	15424164.8	1774.7	127.115	80.086	32.2	150.239	27.4	11.956	0.170	0.379	65.8	0.415	35.6	-2.755	-0.673	13.7	2.836	
958742.0	15424161.6	1775.0	126.643	79.739	32.2	149.656	27.3	11.909	0.171	0.374	65.4	0.412	36.8	-2.667	-0.684	14.4	2.754	
958745.9	15424158.5	1775.7	127.965	80.624	32.2	151.246	27.4	12.036	0.190	0.376	63.2	0.421	40.1	-2.579	-0.656	14.3	2.661	
958749.8	15424155.3	1775.7	126.129	79.341	32.2	149.009	27.1	11.858	0.179	0.366	63.9	0.407	39.7	-2.502	-0.691	15.5	2.595	
958753.6	15424152.1	1775.7	124.369	78.114	32.1	146.865	26.8	11.687	0.171	0.355	64.4	0.394	39.2	-2.427	-0.723	16.6	2.533	
958757.5	15424149.0	1775.7	122.735	76.978	32.1	144.878	26.5	11.529	0.163	0.345	64.7	0.382	38.8	-2.357	-0.749	17.6	2.473	
958761.4	15424145.8	1776.2	123.320	77.352	32.1	145.572	26.5	11.584	0.178	0.342	62.5	0.386	41.3	-2.288	-0.728	17.6	2.401	

958765.3	15424142.6	1776.2	121.919	76.376	32.1	143.866	26.3	11.449	0.173	0.332	62.4	0.375	41.1	-2.227	-0.746	18.5	2.349
958769.1	15424139.5	1776.1	120.391	75.315	32.0	142.008	26.0	11.301	0.167	0.322	62.6	0.363	40.4	-2.171	-0.765	19.4	2.302
958773.0	15424136.3	1776.0	118.604	74.081	32.0	139.839	25.7	11.128	0.157	0.310	63.2	0.348	39.1	-2.122	-0.789	20.4	2.264
958776.9	15424133.2	1776.1	118.381	73.905	32.0	139.557	25.6	11.106	0.161	0.305	62.2	0.344	39.6	-2.078	-0.783	20.7	2.221
958780.7	15424130.0	1775.6	115.836	72.165	31.9	136.476	25.2	10.860	0.139	0.291	64.5	0.322	36.1	-2.044	-0.823	21.9	2.203
958784.6	15424126.8	1775.5	115.604	71.983	31.9	136.183	25.1	10.837	0.139	0.286	64.1	0.318	35.9	-2.014	-0.820	22.1	2.175
958788.5	15424123.7	1775.5	115.755	72.058	31.9	136.352	25.0	10.851	0.140	0.283	63.6	0.316	35.9	-1.992	-0.812	22.2	2.151

Max BF along centerline is 450.063 (mG) at 530.000 (ft) from structure Undefined (#3 in line)

Cross section results at max BF along centerline between structures Undefined (#3 in line) and Undefined (#4 in line)





3D EMF Point Results Span from Undefined (#3 in line) to Undefined (#4 in line):

Measurement			B					H	EF					Space Potential			
X (ft)	Y (ft)	Z (ft)	Real (mG)	Imaginary (mG)	Angle (deg)	Magnitude (mG)	Polarization Axial Ratio %	Magnitude (A/m)	Real (kV/m)	Imaginary (kV/m)	Angle (deg)	Magnitude (kV/m)	Polarization Axial Ratio %	Real (kV)	Imaginary (kV)	Angle (deg)	Magnitude (kV)
958353.1	15424705.1	1818.2	10.486	5.243	26.6	11.724	5.6	0.933	0.050	0.008	9.4	0.051	1.2	0.135	0.026	10.7	0.138
958350.0	15424701.3	1817.6	11.099	5.523	26.5	12.397	5.7	0.987	0.054	0.009	9.6	0.055	1.2	0.139	0.027	11.0	0.142
958346.8	15424697.4	1816.8	11.760	5.823	26.3	13.123	5.8	1.044	0.059	0.010	9.8	0.060	1.1	0.137	0.027	11.3	0.140
958343.6	15424693.5	1816.6	12.499	6.155	26.2	13.933	5.8	1.109	0.065	0.011	10.0	0.066	1.0	0.147	0.030	11.5	0.150
958340.5	15424689.6	1816.4	13.312	6.518	26.1	14.822	5.9	1.180	0.071	0.013	10.2	0.072	1.0	0.158	0.033	11.7	0.161
958337.3	15424685.8	1816.1	14.203	6.912	25.9	15.796	5.9	1.257	0.077	0.014	10.3	0.079	0.9	0.167	0.035	11.9	0.171
958334.1	15424681.9	1815.8	15.190	7.343	25.8	16.872	6.0	1.343	0.085	0.016	10.5	0.087	0.8	0.178	0.038	12.1	0.182
958331.0	15424678.0	1816.0	16.306	7.826	25.6	18.087	6.1	1.439	0.094	0.018	10.7	0.096	0.8	0.204	0.044	12.1	0.209
958327.8	15424674.1	1815.5	17.513	8.345	25.5	19.399	6.2	1.544	0.104	0.020	10.8	0.106	0.7	0.210	0.046	12.3	0.215
958324.7	15424670.3	1815.4	18.885	8.926	25.3	20.888	6.3	1.662	0.116	0.022	10.9	0.118	0.7	0.231	0.051	12.4	0.237
958321.5	15424666.4	1815.6	20.452	9.581	25.1	22.585	6.4	1.797	0.129	0.025	11.1	0.132	0.7	0.269	0.059	12.4	0.276
958318.3	15424662.5	1815.5	22.194	10.300	24.9	24.467	6.5	1.947	0.145	0.029	11.2	0.148	0.6	0.297	0.066	12.5	0.304
958315.2	15424658.7	1815.8	24.213	11.120	24.7	26.644	6.6	2.120	0.163	0.033	11.3	0.167	0.6	0.352	0.078	12.5	0.360
958312.0	15424654.8	1815.8	26.493	12.032	24.4	29.098	6.7	2.316	0.185	0.037	11.4	0.189	0.5	0.401	0.089	12.5	0.411
958308.8	15424650.9	1815.8	29.105	13.060	24.2	31.901	6.9	2.539	0.211	0.043	11.4	0.215	0.4	0.455	0.101	12.5	0.466
958305.7	15424647.0	1815.6	32.101	14.218	23.9	35.109	7.0	2.794	0.242	0.049	11.5	0.247	0.4	0.508	0.113	12.5	0.520
958302.5	15424643.2	1815.5	35.597	15.543	23.6	38.842	7.3	3.091	0.279	0.057	11.5	0.284	0.3	0.575	0.127	12.5	0.589
958299.4	15424639.3	1815.0	39.611	17.036	23.3	43.119	7.6	3.431	0.324	0.066	11.5	0.331	0.2	0.622	0.138	12.5	0.637
958296.2	15424635.4	1815.3	44.558	18.821	22.9	48.370	7.8	3.849	0.379	0.077	11.5	0.387	0.2	0.760	0.167	12.4	0.778
958293.0	15424631.5	1815.2	50.321	20.856	22.5	54.472	8.1	4.335	0.447	0.090	11.4	0.456	0.1	0.873	0.191	12.3	0.894
958289.9	15424627.7	1814.9	57.190	23.220	22.1	61.725	8.5	4.912	0.532	0.107	11.3	0.543	0.1	0.990	0.215	12.3	1.013
958286.7	15424623.8	1814.4	65.386	25.972	21.7	70.355	9.1	5.599	0.640	0.127	11.2	0.652	0.1	1.096	0.237	12.2	1.121

958283.5	15424619.9	1814.2	75.602	29.288	21.2	81.077	9.7	6.452	0.775	0.152	11.1	0.790	0.2	1.278	0.273	12.1	1.307	
958280.4	15424616.0	1814.2	88.418	33.302	20.6	94.482	10.4	7.519	0.948	0.184	11.0	0.966	0.2	1.538	0.325	11.9	1.572	
958277.2	15424612.2	1814.2	104.583	38.192	20.1	111.338	11.3	8.860	1.170	0.225	10.9	1.191	0.3	1.875	0.391	11.8	1.915	
958274.1	15424608.3	1814.0	124.664	44.120	19.5	132.241	12.4	10.523	1.452	0.277	10.8	1.478	0.5	2.221	0.461	11.7	2.268	
958270.9	**15424604.4**	**1813.6**	**149.388**	**51.356**	**19.0**	**157.969**	**13.9**	**12.571**	**1.805**	**0.347**	**10.9**	**1.838**	**0.7**	**2.543**	**0.534**	**11.8**	**2.599**	**EF exceeds limit NG**
958267.7	**15424600.6**	**1813.3**	**179.842**	**60.359**	**18.6**	**189.700**	**15.8**	**15.096**	**2.228**	**0.441**	**11.2**	**2.271**	**1.2**	**2.867**	**0.622**	**12.2**	**2.933**	**EF exceeds limit NG**
958264.6	**15424596.7**	**1812.9**	**215.435**	**71.559**	**18.4**	**227.009**	**18.3**	**18.065**	**2.684**	**0.571**	**12.0**	**2.744**	**1.9**	**3.072**	**0.719**	**13.2**	**3.155**	**BF and EF exceed limits NG**
958261.4	**15424592.8**	**1812.7**	**257.969**	**86.213**	**18.5**	**271.994**	**21.5**	**21.645**	**3.089**	**0.756**	**13.8**	**3.180**	**3.4**	**3.361**	**0.900**	**15.0**	**3.479**	**BF and EF exceed limits NG**
958258.2	**15424588.9**	**1812.7**	**303.667**	**105.415**	**19.1**	**321.443**	**25.6**	**25.580**	**3.282**	**1.018**	**17.2**	**3.437**	**6.3**	**3.512**	**1.182**	**18.6**	**3.706**	**BF and EF exceed limits NG**
958255.1	**15424585.1**	**1812.7**	**343.235**	**130.087**	**20.8**	**367.060**	**31.0**	**29.210**	**3.072**	**1.375**	**24.1**	**3.365**	**11.9**	**3.189**	**1.544**	**25.8**	**3.543**	**BF and EF exceed limits NG**
958251.9	**15424581.2**	**1812.9**	**374.637**	**162.864**	**23.5**	**408.506**	**38.2**	**32.508**	**2.417**	**1.810**	**36.8**	**3.020**	**23.5**	**2.495**	**2.085**	**39.9**	**3.252**	**BF and EF exceed limits NG**
958248.8	**15424577.3**	**1812.9**	**383.492**	**200.996**	**27.7**	**432.973**	**47.2**	**34.455**	**1.469**	**2.231**	**56.6**	**2.671**	**37.1**	**1.177**	**2.491**	**64.7**	**2.755**	**BF and EF exceed limits NG**
958245.6	**15424573.4**	**1812.9**	**375.265**	**241.968**	**32.8**	**446.511**	**56.5**	**35.532**	**0.922**	**2.457**	**69.4**	**2.624**	**37.0**	**-0.259**	**2.636**	**-84.4**	**2.649**	**BF and EF exceed limits NG**
958242.4	**15424569.6**	**1812.9**	**353.886**	**278.067**	**38.2**	**450.063**	**61.3**	**35.815**	**1.425**	**2.277**	**58.0**	**2.686**	**32.8**	**-1.510**	**2.274**	**-56.4**	**2.730**	**BF and EF exceed limits NG**
958239.3	**15424565.7**	**1812.4**	**318.894**	**290.132**	**42.3**	**431.126**	**56.1**	**34.308**	**2.000**	**1.581**	**38.3**	**2.549**	**33.4**	**-2.129**	**1.115**	**-27.6**	**2.403**	**BF and EF exceed limits NG**
958236.1	**15424561.8**	**1812.3**	**291.231**	**291.898**	**45.1**	**412.335**	**47.4**	**32.813**	**2.394**	**0.828**	**19.1**	**2.533**	**33.3**	**-2.522**	**-0.077**	**1.8**	**2.523**	**BF and EF exceed limits NG**
958232.9	**15424558.0**	**1812.3**	**267.043**	**280.246**	**46.4**	**387.104**	**38.9**	**30.805**	**2.581**	**1.106**	**23.2**	**2.808**	**22.0**	**-2.748**	**-1.207**	**23.7**	**3.001**	**BF and EF exceed limits NG**
958229.8	**15424554.1**	**1811.8**	**237.459**	**248.148**	**46.3**	**343.459**	**31.9**	**27.332**	**2.569**	**1.736**	**34.1**	**3.100**	**10.2**	**-2.441**	**-1.815**	**36.6**	**3.042**	**BF and EF exceed limits NG**
958226.6	**15424550.2**	**1811.5**	**207.056**	**211.288**	**45.6**	**295.829**	**26.6**	**23.541**	**2.393**	**2.084**	**41.0**	**3.173**	**4.4**	**-2.019**	**-1.904**	**43.3**	**2.775**	**BF and EF exceed limits NG**
958223.5	**15424546.3**	**1811.3**	**178.640**	**177.053**	**44.7**	**251.516**	**22.6**	**20.015**	**2.109**	**2.105**	**45.0**	**2.979**	**2.0**	**-1.708**	**-1.806**	**46.6**	**2.486**	**BF and EF exceed limits NG**
958220.3	**15424542.5**	**1811.5**	**153.515**	**147.725**	**43.9**	**213.048**	**19.4**	**16.954**	**1.783**	**1.915**	**47.1**	**2.616**	**1.0**	**-1.556**	**-1.734**	**48.1**	**2.329**	**BF and EF exceed limits NG**
958217.1	**15424538.6**	**1812.1**	**132.146**	**123.659**	**43.1**	**180.981**	**16.7**	**14.402**	**1.468**	**1.639**	**48.1**	**2.200**	**0.6**	**-1.544**	**-1.758**	**48.7**	**2.340**	**EF exceeds limit NG**
958214.0	**15424534.7**	**1811.6**	**110.489**	**99.813**	**42.1**	**148.898**	**15.0**	**11.849**	**1.192**	**1.352**	**48.6**	**1.802**	**0.3**	**-1.087**	**-1.252**	**49.0**	**1.658**	**EF exceeds limit NG**
958210.8	15424530.8	1811.7	94.066	82.550	41.3	125.151	13.5	9.959	0.965	1.102	48.8	1.465	0.3	-0.889	-1.022	49.0	1.354	
958207.6	15424527.0	1811.7	80.706	68.987	40.5	106.172	12.3	8.449	0.784	0.896	48.8	1.191	0.3	-0.740	-0.846	48.8	1.124	
958204.5	15424523.1	1811.4	69.348	57.795	39.8	90.274	11.4	7.184	0.640	0.731	48.8	0.972	0.2	-0.533	-0.604	48.5	0.806	
958201.3	15424519.2	1811.4	60.453	49.310	39.2	78.013	10.6	6.208	0.527	0.600	48.7	0.799	0.2	-0.448	-0.502	48.3	0.673	
958198.2	15424515.4	1811.6	53.139	42.515	38.7	68.054	10.0	5.416	0.437	0.497	48.6	0.662	0.2	-0.392	-0.435	48.0	0.585	
958195.0	15424511.5	1811.7	47.000	36.942	38.2	59.780	9.4	4.757	0.366	0.414	48.5	0.553	0.2	-0.337	-0.371	47.7	0.501	
958191.8	15424507.6	1811.6	41.793	32.317	37.7	52.830	9.0	4.204	0.309	0.349	48.5	0.466	0.2	-0.279	-0.304	47.4	0.413	
958188.7	15424503.7	1811.5	37.369	28.464	37.3	46.975	8.6	3.738	0.262	0.296	48.4	0.395	0.2	-0.225	-0.242	47.1	0.330	
958185.5	15424499.9	1811.4	33.607	25.251	36.9	42.037	8.3	3.345	0.225	0.253	48.4	0.338	0.3	-0.182	-0.193	46.8	0.265	
958182.3	15424496.0	1811.2	30.385	22.546	36.6	37.836	8.0	3.011	0.194	0.218	48.4	0.292	0.4	-0.147	-0.154	46.4	0.213	
958179.2	15424492.1	1811.3	27.639	20.278	36.3	34.280	7.8	2.728	0.168	0.189	48.4	0.253	0.4	-0.131	-0.137	46.2	0.190	
958176.0	15424488.2	1811.6	25.270	18.349	36.0	31.229	7.5	2.485	0.147	0.165	48.4	0.221	0.5	-0.126	-0.131	46.2	0.182	
958172.9	15424484.4	1811.4	23.143	16.639	35.7	28.504	7.3	2.268	0.129	0.145	48.5	0.194	0.5	-0.102	-0.105	45.8	0.146	
958169.7	15424480.5	1811.7	21.317	15.191	35.5	26.176	7.1	2.083	0.113	0.128	48.5	0.171	0.6	-0.099	-0.102	45.8	0.142	
958166.5	15424476.6	1811.6	19.673	13.902	35.2	24.089	7.0	1.917	0.101	0.114	48.6	0.152	0.7	-0.085	-0.086	45.5	0.121	
958163.4	15424472.8	1811.8	18.232	12.784	35.0	22.267	6.8	1.772	0.089	0.102	48.7	0.136	0.7	-0.081	-0.083	45.6	0.116	
958160.2	15424468.9	1811.9	16.932	11.786	34.8	20.630	6.7	1.642	0.080	0.091	48.8	0.121	0.8	-0.072	-0.073	45.4	0.102	
958157.0	15424465.0	1811.9	15.771	10.902	34.7	19.172	6.6	1.526	0.072	0.082	48.9	0.109	0.8	-0.065	-0.066	45.2	0.092	
958153.9	15424461.1	1812.3	14.741	10.125	34.5	17.883	6.5	1.423	0.065	0.074	49.1	0.099	0.9	-0.066	-0.067	45.6	0.094	
958150.7	15424457.3	1812.3	13.793	9.417	34.3	16.702	6.4	1.329	0.058	0.068	49.2	0.089	1.0	-0.059	-0.060	45.4	0.084	
958147.6	15424453.4	1812.2	12.933	8.780	34.2	15.632	6.3	1.244	0.053	0.062	49.3	0.081	1.0	-0.052	-0.052	45.1	0.073	
958144.4	15424449.5	1812.1	12.150	8.203	34.0	14.660	6.3	1.167	0.048	0.056	49.5	0.074	1.1	-0.044	-0.044	44.6	0.062	
958141.2	15424445.6	1812.1	11.442	7.686	33.9	13.784	6.2	1.097	0.044	0.052	49.6	0.068	1.1	-0.040	-0.039	44.4	0.056	
958138.1	15424441.8	1812.1	10.796	7.217	33.8	12.986	6.1	1.033	0.040	0.047	49.8	0.062	1.2	-0.037	-0.036	44.2	0.052	
958134.9	15424437.9	1812.5	10.210	6.794	33.6	12.264	6.0	0.976	0.037	0.044	50.0	0.057	1.2	-0.037	-0.037	44.7	0.053	
958131.7	15424434.0	1812.3	9.661	6.401	33.5	11.589	6.0	0.922	0.034	0.040	50.1	0.053	1.3	-0.032	-0.031	44.0	0.045	

Critical Energy/Electric Infrastructure Information (CEII) Has Been Redacted From This Document

PLS-CADD Version 20.01x64 11:12:11 AM Friday, February 28, 2025
Quanta Services - Dashiell
Project Name: 'C:\projects\L68\0026-0068-700 REV 0-0E PLS CADD MODEL.don'
Line Title: 'PROPOSED L723 AND EXISTING L68 MERGED'

3D EMF Calculation Notes:
1) Calculations based on the EPRI Red Book methods (3rd Edition, 2005 - 7.4 Calculation of Magnetic Fields and Appendices 7.1 Calculation of Field Ellipse Parameters and 7.6 Electric Field Calculations for 3D Geometry).
2) All wire positions are modeled at the specified weather case and wind direction. Height above ground determined by the modeled ground TIN.
3) Only the effects of wires are being analyzed. The effects of structures are not included unless enabled as noted below.
4) Ground return is being ignored for magnetic field calculations.

Meter height above ground:	3.28 (ft)
Maximum wire distance:	500.00 (ft)
Maximum cable segment size:	5.00 (ft)
Cross section offset +/-:	175.00 (ft)
Result interval:	5.00 (ft)
Electric field limit:	1.60 (kV/m)
Magnetic field limit:	200.00 (mG)
Space potential limit:	0.00 (kV)
Contour Map Spacing:	15 (ft)
Analyzing spans between these structures:	Undefined (#69 in line) - Undefined (#70 in line)

One or more sections have wind from both directions which is not supported. A wind direction of left is being used for those sections.

Section Data for 3D EMF Results:

Section Number	Section Note	Voltage Ph-Ph (kV)	Current (Amps)	Cable Filename	Cable Description	Conductors Per Phase	Bundle Diameter (in)	Cable Radius (in)	Weather Case	Condition	Wind Dir.	WC Temperature (deg F)	Effective Radius (in)
32		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.217
50		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.217
67		230.0	[redacted]	ortolan_acsr.wir	1033.5 kcmil 45/7 Strands ORTOLAN ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.606	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.606

Centerline results between structures Undefined (#69 in line) and Undefined (#70 in line)

3D EMF Point Results Centerline from Undefined (#69 in line) to Undefined (#70 in line):

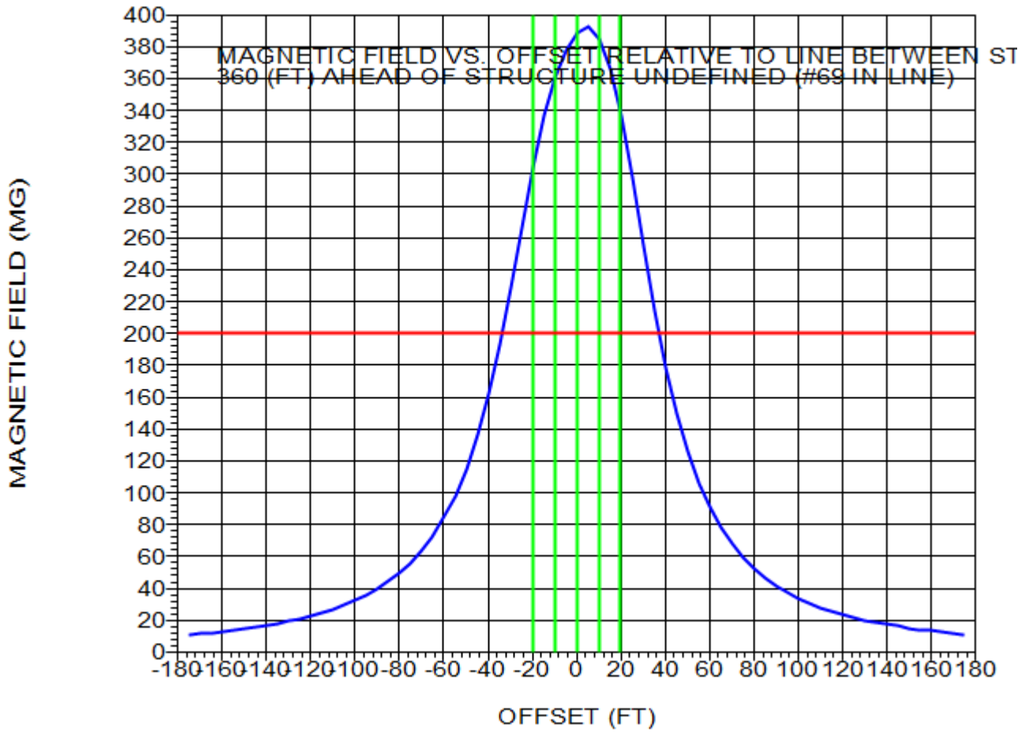
Measurement X (ft)	Measurement Y (ft)	Measurement Z (ft)	B Real (mG)	B Imaginary (mG)	B Angle (deg)	B Magnitude (mG)	B Polarization Axial Ratio %	H Magnitude (A/m)	EF Real (kV/m)	EF Imaginary (kV/m)	EF Angle (deg)	EF Magnitude (kV/m)	EF Polarization Axial Ratio %	Space Potential Real (kV)	Space Potential Imaginary (kV)	Space Potential Angle (deg)	Space Potential Magnitude (kV)
994471.5	15392692.5	1286.1	117.393	72.985	31.9	138.231	24.5	11.000	0.215	0.176	39.3	0.277	68.1	0.492	0.434	41.4	0.656
994475.5	15392689.5	1287.1	118.667	73.831	31.9	139.760	24.7	11.122	0.226	0.181	38.6	0.290	72.0	0.479	0.447	43.0	0.656
994479.5	15392686.4	1287.7	118.550	73.740	31.9	139.613	24.7	11.110	0.224	0.181	38.9	0.288	71.0	0.486	0.443	42.3	0.658
994483.5	15392683.4	1288.2	118.759	73.864	31.9	139.855	24.7	11.129	0.224	0.183	39.3	0.289	69.6	0.493	0.441	41.8	0.662
994487.5	15392680.4	1288.6	118.663	73.784	31.9	139.732	24.7	11.120	0.219	0.185	40.1	0.286	65.8	0.508	0.433	40.5	0.667
994491.5	15392677.4	1289.1	119.249	74.160	31.9	140.428	24.8	11.175	0.219	0.189	40.8	0.289	63.0	0.518	0.433	39.9	0.675
994495.4	15392674.4	1289.8	120.750	75.150	31.9	142.226	24.9	11.318	0.226	0.197	41.1	0.299	62.8	0.521	0.442	40.3	0.683
994499.4	15392671.4	1290.6	123.335	76.873	31.9	145.330	25.2	11.565	0.240	0.208	40.9	0.318	65.7	0.514	0.466	42.2	0.693
994503.4	15392668.4	1291.3	125.887	78.578	32.0	148.398	25.5	11.809	0.254	0.219	40.8	0.335	67.7	0.509	0.488	43.8	0.705
994507.4	15392665.3	1291.8	127.427	79.602	32.0	150.246	25.7	11.956	0.258	0.226	41.3	0.343	66.1	0.515	0.498	44.0	0.716
994511.4	15392662.3	1292.3	129.085	80.708	32.0	152.239	25.9	12.115	0.263	0.234	41.7	0.352	64.7	0.522	0.508	44.2	0.728
994515.4	15392659.3	1292.8	130.824	81.871	32.0	154.330	26.1	12.281	0.269	0.242	42.1	0.362	63.3	0.528	0.520	44.6	0.741
994519.4	15392656.3	1293.3	132.329	82.876	32.1	156.139	26.2	12.425	0.272	0.250	42.6	0.369	61.1	0.537	0.528	44.5	0.753
994523.4	15392653.3	1293.7	133.875	83.912	32.1	157.999	26.4	12.573	0.275	0.257	43.1	0.377	59.0	0.545	0.535	44.5	0.764
994527.4	15392650.3	1294.1	135.325	84.883	32.1	159.743	26.5	12.712	0.277	0.265	43.7	0.384	56.5	0.556	0.541	44.2	0.776
994531.4	15392647.3	1294.6	136.822	85.888	32.1	161.546	26.7	12.855	0.280	0.273	44.3	0.391	54.2	0.567	0.546	43.9	0.787
994535.3	15392644.2	1295.2	139.294	87.565	32.2	164.531	27.0	13.093	0.290	0.285	44.4	0.407	54.8	0.566	0.564	44.9	0.799
994539.3	15392641.2	1295.8	142.162	89.521	32.2	168.000	27.3	13.369	0.304	0.298	44.4	0.425	56.6	0.562	0.589	46.3	0.814
994543.3	15392638.2	1296.4	144.740	91.282	32.2	171.120	27.6	13.617	0.315	0.310	44.5	0.442	57.3	0.562	0.609	47.3	0.829
994547.3	15392635.2	1297.0	147.346	93.068	32.3	174.277	27.8	13.869	0.326	0.322	44.6	0.459	58.0	0.563	0.631	48.3	0.846
994551.3	15392632.2	1297.5	149.362	94.449	32.3	176.719	28.1	14.063	0.333	0.332	44.9	0.471	57.1	0.572	0.646	48.4	0.863
994555.3	15392629.2	1297.9	150.627	95.310	32.3	178.248	28.2	14.185	0.335	0.339	45.4	0.477	54.2	0.593	0.650	47.7	0.880
994559.3	15392626.2	1298.5	153.347	97.189	32.4	181.551	28.5	14.447	0.348	0.351	45.3	0.494	55.0	0.597	0.680	48.7	0.905

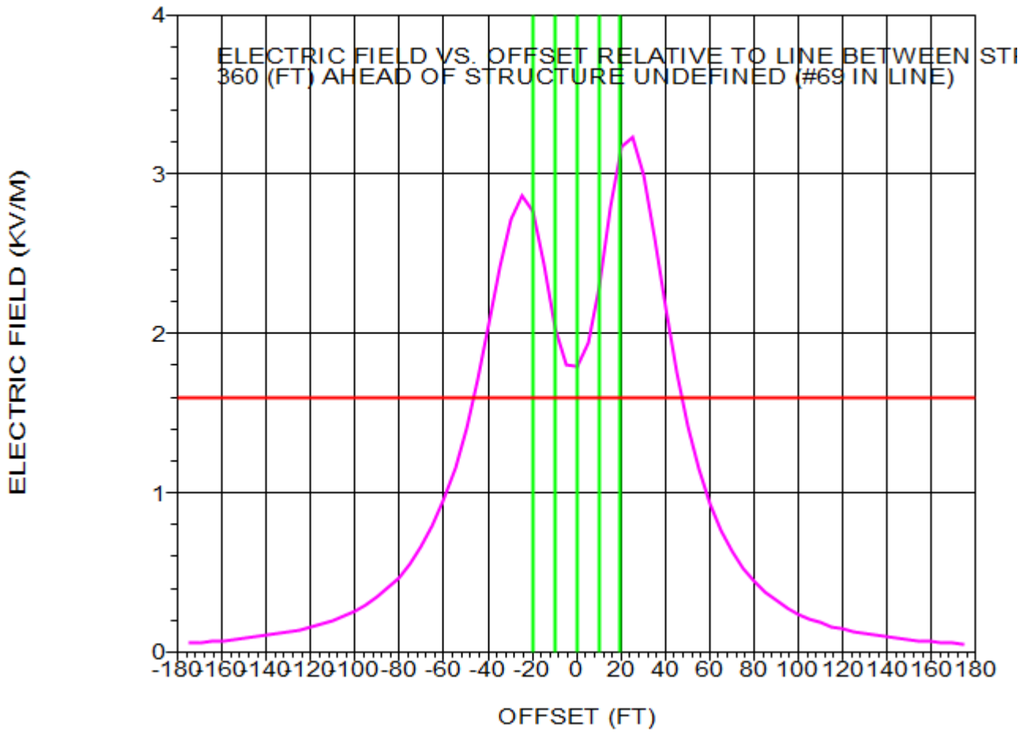
994563.3	15392623.1	1299.1	156.012	99.036	32.4	184.792	28.8	14.705	0.360	0.362	45.1	0.510	55.5	0.604	0.711	49.7	0.933	
994567.3	15392620.1	1299.6	157.824	100.289	32.4	186.992	29.0	14.880	0.366	0.369	45.2	0.520	53.9	0.624	0.731	49.5	0.961	
994571.2	15392617.1	1300.0	158.935	101.051	32.4	188.339	29.1	14.988	0.367	0.375	45.6	0.525	50.5	0.655	0.740	48.5	0.988	
994575.2	15392614.1	1300.4	160.066	101.828	32.5	189.711	29.2	15.097	0.368	0.381	46.0	0.530	47.0	0.688	0.750	47.5	1.018	
994579.2	15392611.1	1300.9	162.115	103.205	32.5	192.178	29.3	15.293	0.374	0.389	46.1	0.540	44.9	0.712	0.778	47.5	1.055	
994583.2	15392608.1	1301.5	164.815	105.096	32.5	195.472	29.6	15.555	0.387	0.400	46.0	0.556	44.7	0.730	0.813	48.1	1.093	
994587.2	15392605.1	1302.2	168.051	107.375	32.6	199.426	30.0	15.870	0.403	0.413	45.7	0.577	45.4	0.744	0.857	49.0	1.135	
994591.2	**15392602.0**	**1302.9**	**171.065**	**109.506**	**32.6**	**203.113**	**30.3**	**16.163**	**0.417**	**0.427**	**45.6**	**0.597**	**45.3**	**0.763**	**0.895**	**49.5**	**1.177**	**BF exceeds limit NG**
994595.2	**15392599.0**	**1303.5**	**173.568**	**111.278**	**32.7**	**206.176**	**30.5**	**16.407**	**0.428**	**0.439**	**45.7**	**0.613**	**43.8**	**0.792**	**0.924**	**49.4**	**1.217**	**BF exceeds limit NG**
994599.2	**15392596.0**	**1304.1**	**176.030**	**113.026**	**32.7**	**209.192**	**30.8**	**16.647**	**0.438**	**0.452**	**45.9**	**0.630**	**42.1**	**0.823**	**0.950**	**49.1**	**1.257**	**BF exceeds limit NG**
994603.2	**15392593.0**	**1304.7**	**178.963**	**115.120**	**32.8**	**212.792**	**31.1**	**16.933**	**0.452**	**0.467**	**45.9**	**0.650**	**41.1**	**0.850**	**0.983**	**49.2**	**1.300**	**BF exceeds limit NG**
994607.2	**15392590.0**	**1305.5**	**182.771**	**117.858**	**32.8**	**217.476**	**31.5**	**17.306**	**0.471**	**0.485**	**45.8**	**0.676**	**41.5**	**0.866**	**1.031**	**50.0**	**1.346**	**BF exceeds limit NG**
994611.1	**15392587.0**	**1306.4**	**187.462**	**121.256**	**32.9**	**223.260**	**32.0**	**17.766**	**0.496**	**0.505**	**45.5**	**0.708**	**43.2**	**0.870**	**1.094**	**51.5**	**1.398**	**BF exceeds limit NG**
994615.1	**15392584.0**	**1307.2**	**191.589**	**124.261**	**33.0**	**228.358**	**32.5**	**18.172**	**0.516**	**0.524**	**45.5**	**0.736**	**43.6**	**0.882**	**1.147**	**52.4**	**1.446**	**BF exceeds limit NG**
994619.1	**15392581.0**	**1307.9**	**195.018**	**126.768**	**33.0**	**232.599**	**32.8**	**18.510**	**0.531**	**0.542**	**45.6**	**0.759**	**42.7**	**0.905**	**1.185**	**52.6**	**1.491**	**BF exceeds limit NG**
994623.1	**15392577.9**	**1308.4**	**196.490**	**127.835**	**33.0**	**234.415**	**33.0**	**18.654**	**0.533**	**0.555**	**46.2**	**0.770**	**38.6**	**0.957**	**1.185**	**51.1**	**1.523**	**BF exceeds limit NG**
994627.1	**15392574.9**	**1309.1**	**200.643**	**130.898**	**33.1**	**239.566**	**33.4**	**19.064**	**0.553**	**0.577**	**46.2**	**0.799**	**38.7**	**0.972**	**1.231**	**51.7**	**1.568**	**BF exceeds limit NG**
994631.1	**15392571.9**	**1309.9**	**204.861**	**134.028**	**33.2**	**244.809**	**33.9**	**19.481**	**0.573**	**0.600**	**46.3**	**0.830**	**38.6**	**0.988**	**1.274**	**52.2**	**1.612**	**BF exceeds limit NG**
994635.1	**15392568.9**	**1310.7**	**209.112**	**137.200**	**33.3**	**250.103**	**34.3**	**19.903**	**0.595**	**0.625**	**46.4**	**0.863**	**38.4**	**1.006**	**1.315**	**52.6**	**1.655**	**BF exceeds limit NG**
994639.1	**15392565.9**	**1311.5**	**213.391**	**140.415**	**33.3**	**255.444**	**34.8**	**20.328**	**0.617**	**0.652**	**46.6**	**0.897**	**38.0**	**1.026**	**1.352**	**52.8**	**1.697**	**BF exceeds limit NG**
994643.1	**15392562.9**	**1312.3**	**217.694**	**143.668**	**33.4**	**260.828**	**35.2**	**20.756**	**0.640**	**0.680**	**46.7**	**0.933**	**37.5**	**1.048**	**1.386**	**52.9**	**1.738**	**BF exceeds limit NG**
994647.0	**15392559.9**	**1313.1**	**222.020**	**146.959**	**33.5**	**266.251**	**35.7**	**21.188**	**0.663**	**0.709**	**46.9**	**0.970**	**37.0**	**1.070**	**1.420**	**53.0**	**1.778**	**BF exceeds limit NG**
994651.0	**15392556.8**	**1314.1**	**228.203**	**151.709**	**33.6**	**274.029**	**36.4**	**21.807**	**0.699**	**0.743**	**46.8**	**1.020**	**38.7**	**1.063**	**1.490**	**54.5**	**1.830**	**BF exceeds limit NG**
994655.0	**15392553.8**	**1315.1**	**234.874**	**156.885**	**33.7**	**282.451**	**37.1**	**22.477**	**0.738**	**0.779**	**46.6**	**1.073**	**40.7**	**1.046**	**1.571**	**56.3**	**1.888**	**BF exceeds limit NG**
994659.0	**15392550.8**	**1316.1**	**241.634**	**162.184**	**33.9**	**291.016**	**37.8**	**23.158**	**0.777**	**0.816**	**46.4**	**1.127**	**42.7**	**1.024**	**1.657**	**58.3**	**1.948**	**BF exceeds limit NG**
994663.0	**15392547.8**	**1316.8**	**244.941**	**164.785**	**33.9**	**295.213**	**38.2**	**23.492**	**0.793**	**0.841**	**46.7**	**1.155**	**41.2**	**1.052**	**1.673**	**57.8**	**1.976**	**BF exceeds limit NG**
994667.0	**15392544.8**	**1317.5**	**248.311**	**167.450**	**34.0**	**299.496**	**38.6**	**23.833**	**0.808**	**0.866**	**47.0**	**1.185**	**40.0**	**1.076**	**1.691**	**57.5**	**2.004**	**BF exceeds limit NG**
994671.0	**15392541.8**	**1318.2**	**251.876**	**170.286**	**34.1**	**304.037**	**38.9**	**24.195**	**0.826**	**0.892**	**47.2**	**1.216**	**39.2**	**1.094**	**1.712**	**57.4**	**2.031**	**BF exceeds limit NG**
994675.0	**15392538.8**	**1319.0**	**255.393**	**173.099**	**34.1**	**308.526**	**39.3**	**24.552**	**0.843**	**0.919**	**47.5**	**1.247**	**38.4**	**1.109**	**1.732**	**57.4**	**2.056**	**BF exceeds limit NG**
994679.0	**15392535.7**	**1319.7**	**258.856**	**175.884**	**34.2**	**312.956**	**39.7**	**24.904**	**0.861**	**0.947**	**47.7**	**1.279**	**37.7**	**1.122**	**1.750**	**57.3**	**2.078**	**BF exceeds limit NG**
994682.9	**15392532.7**	**1320.4**	**261.563**	**178.068**	**34.2**	**316.423**	**40.0**	**25.180**	**0.873**	**0.972**	**48.1**	**1.306**	**36.4**	**1.145**	**1.751**	**56.8**	**2.092**	**BF exceeds limit NG**
994686.9	**15392529.7**	**1321.4**	**269.672**	**184.704**	**34.4**	**326.862**	**40.9**	**26.011**	**0.922**	**1.014**	**47.7**	**1.371**	**39.9**	**1.074**	**1.874**	**60.2**	**2.160**	**BF exceeds limit NG**
994690.9	**15392526.7**	**1322.2**	**273.082**	**187.510**	**34.5**	**331.260**	**41.2**	**26.361**	**0.940**	**1.041**	**47.9**	**1.402**	**39.3**	**1.080**	**1.895**	**60.3**	**2.181**	**BF exceeds limit NG**
994694.9	**15392523.7**	**1322.9**	**275.732**	**189.697**	**34.5**	**334.683**	**41.5**	**26.633**	**0.952**	**1.064**	**48.2**	**1.428**	**38.2**	**1.095**	**1.901**	**60.1**	**2.193**	**BF exceeds limit NG**
994698.9	**15392520.7**	**1323.5**	**278.256**	**191.790**	**34.6**	**337.950**	**41.8**	**26.893**	**0.964**	**1.088**	**48.5**	**1.453**	**37.1**	**1.110**	**1.904**	**59.8**	**2.204**	**BF exceeds limit NG**
994702.9	**15392517.7**	**1324.2**	**280.680**	**193.807**	**34.6**	**341.090**	**42.1**	**27.143**	**0.975**	**1.111**	**48.7**	**1.478**	**36.0**	**1.124**	**1.906**	**59.5**	**2.213**	**BF exceeds limit NG**
994706.9	**15392514.6**	**1325.1**	**286.061**	**198.334**	**34.7**	**348.091**	**42.7**	**27.700**	**1.007**	**1.144**	**48.6**	**1.524**	**37.2**	**1.083**	**1.978**	**61.3**	**2.255**	**BF exceeds limit NG**
994710.9	**15392511.6**	**1326.1**	**292.877**	**204.129**	**34.9**	**356.995**	**43.4**	**28.409**	**1.048**	**1.182**	**48.4**	**1.580**	**39.6**	**1.011**	**2.085**	**64.1**	**2.318**	**BF exceeds limit NG**
994714.9	**15392508.6**	**1326.8**	**294.774**	**205.745**	**34.9**	**359.475**	**43.6**	**28.606**	**1.056**	**1.202**	**48.7**	**1.600**	**38.6**	**1.019**	**2.080**	**63.9**	**2.316**	**BF exceeds limit NG**
994718.9	**15392505.6**	**1327.4**	**296.546**	**207.258**	**35.0**	**361.795**	**43.8**	**28.791**	**1.063**	**1.221**	**49.0**	**1.618**	**37.6**	**1.024**	**2.072**	**63.7**	**2.311**	**BF and EF exceed limits NG**
994722.8	**15392502.6**	**1328.1**	**298.109**	**208.598**	**35.0**	**363.844**	**44.0**	**28.954**	**1.068**	**1.239**	**49.2**	**1.636**	**36.7**	**1.025**	**2.059**	**63.5**	**2.301**	**BF and EF exceed limits NG**
994726.8	**15392499.6**	**1328.7**	**299.207**	**209.539**	**35.0**	**365.283**	**44.1**	**29.068**	**1.071**	**1.255**	**49.5**	**1.649**	**35.7**	**1.028**	**2.036**	**63.2**	**2.281**	**BF and EF exceed limits NG**
994730.8	**15392496.6**	**1329.7**	**306.237**	**215.652**	**35.2**	**374.549**	**44.9**	**29.806**	**1.113**	**1.292**	**49.3**	**1.705**	**38.8**	**0.918**	**2.157**	**67.0**	**2.344**	**BF and EF exceed limits NG**
994734.8	**15392493.5**	**1330.5**	**309.671**	**218.662**	**35.2**	**379.091**	**45.3**	**30.167**	**1.130**	**1.316**	**49.3**	**1.735**	**39.6**	**0.862**	**2.192**	**68.5**	**2.356**	**BF and EF exceed limits NG**
994738.8	**15392490.5**	**1330.9**	**306.720**	**216.064**	**35.2**	**375.181**	**44.9**	**29.856**	**1.103**	**1.315**	**50.0**	**1.716**	**36.6**	**0.909**	**2.075**	**66.3**	**2.265**	**BF and EF exceed limits NG**
994742.8	**15392487.5**	**1331.7**	**308.973**	**218.039**	**35.2**	**378.161**	**45.2**	**30.093**	**1.112**	**1.333**	**50.2**	**1.736**	**37.1**	**0.856**	**2.084**	**67.7**	**2.253**	**BF and EF exceed limits NG**
994746.8	**15392484.5**	**1332.4**	**311.691**	**220.433**	**35.3**	**381.762**	**45.5**	**30.380**	**1.124**	**1.352**	**50.3**	**1.758**	**38.1**	**0.785**	**2.108**	**69.6**	**2.249**	**BF and EF exceed limits NG**
994750.8	**15392481.5**	**1333.3**	**314.829**	**223.213**	**35.3**	**385.929**	**45.9**	**30.711**	**1.138**	**1.372**	**50.3**	**1.783**	**39.7**	**0.696**	**2.146**	**72.0**	**2.256**	**BF and EF exceed limits NG**
994754.8	**15392478.5**	**1334.0**	**316.005**	**224.259**	**35.4**	**387.493**	**46.0**	**30.836**	**1.139**	**1.381**	**50.5**	**1.790**	**40.3**	**0.633**	**2.142**	**73.5**	**2.234**	**BF and EF exceed limits NG**
994758.7	**15392475.5**	**1334.6**	**316.815**	**224.983**	**35.4**	**388.573**	**46.1**	**30.922**	**1.137**	**1.386**	**50.6**	**1.792**	**40.9**	**0.568**	**2.137**	**75.1**	**2.212**	**BF and EF exceed limits NG**
994762.7	**15392472.4**	**1335.3**	**317.474**	**225.575**	**35.4**	**389.453**	**46.2**	**30.992**	**1.134**	**1.388**	**50.7**	**1.792**	**41.8**	**0.498**	**2.136**	**76.9**	**2.193**	**BF and EF exceed limits NG**
994766.7	**15392469.4**	**1335.6**	**310.968**	**219.806**	**35.3**	**380.810**	**45.4**	**30.304**	**1.080**	**1.358**	**51.5**	**1.735**	**38.4**	**0.545**	**1.964**	**74.5**	**2.038**	**BF and EF exceed limits NG**
994770.7	**15392466.4**	**1336.3**	**311.478**	**220.264**	**35.3**	**381.490**	**45.5**	**30.358**	**1.079**	**1.356**	**51.5**	**1.733**	**39.7**	**0.470**	**1.969**	**76.6**	**2.024**	**BF and EF exceed limits NG**
994774.7	**15392463.4**	**1336.9**	**310.433**	**219.350**	**35.2**	**380.110**	**45.3**	**30.248**	**1.067**	**1.348**	**51.6**	**1.720**	**40.2**	**0.419**	**1.938**	**77.8**	**1.983**	**BF and EF exceed limits NG**
994778.7	**15392460.4**	**1337.3**	**306.690**	**216.069**	**35.2**	**375.159**	**44.9**	**29.854**	**1.038**	**1.330**	**52.0**	**1.687**	**39.2**	**0.411**	**1.843**	**77.4**	**1.888**	**BF and EF exceed limits NG**
994782.7	**15392457.4**	**1338.0**	**306.855**	**216.225**	**35.2**	**375.384**	**44.9**	**29.872**	**1.038**	**1.326**	**51.9**	**1.684**	**41.0**	**0.337**	**1.847**	**79.6**	**1.877**	**BF and EF exceed limits NG**
994786.7	**15392454.4**	**1338.8**	**306.917**	**216.293**	**35.2**	**375.474**	**44.9**	**29.879**	**1.039**	**1.322**	**51.8**	**1.681**	**42.9**	**0.265**	**1.852**	**81.9**	**1.871**	**BF and EF exceed limits NG**
994790.7	**15392451.3**	**1339.2**	**303.522**	**213.339**	**35.1**	**370.998**	**44.6**	**29.523**	**1.016**	**1.301**	**52.0**	**1.651**	**42.9**	**0.249**	**1.779**	**82.0**	**1.797**	**BF and EF exceed limits NG**
994794.7	**15392448.3**	**1339.7**	**300.033**	**210.320**	**35.0**	**366.407**	**44.2**	**29.158**	**0.994**	**1.278**	**52.1**	**1.619**	**43.0**	**0.233**	**1.712**	**82.2**	**1.727**	**BF and EF exceed limits NG**
994798.6	**15392445.3**	**1340.2**	**296.453**	**207.242**	**35.0**	**361.710**	**43.8**	**28.784**	**0.972**	**1.253**	**52.2**	**1.586**	**43.3**	**0.220**	**1.650**	**82.4**	**1.665**	**BF exceeds limit NG**
994802.6	**15392442.3**	**1340.8**	**293.111**	**204.387**	**34.9**	**357.334**	**43.4**	**28.436**	**0.953**	**1.228**	**52.2**	**1.555**	**44.0**	**0.204**	**1.603**	**82.7**	**1.616**	**BF exceeds limit NG**
994806.6	**15392439.3**	**1341.3**	**289.714**	**201.501**	**34.8**	**352.897**	**43.0**	**28.083**	**0.936**	**1.201**	**52.1**	**1.523**	**44.9**	**0.191**	**1.565**	**83.0**	**1.576**	**BF exceeds limit NG**
994810.6	**15392436.3**	**1341.8**	**285.761**	**198.161**	**34.7**	**347.746**	**42.6**	**27.673**	**0.915**	**1.171**	**52.0**	**1.486**	**45.6**	**0.189**	**1.523**	**82.9**	**1.535**	**BF exceeds limit NG**
994814.6	**15392433.3**	**1342.2**	**280.615**	**193.840**	**34.6**	**341.055**	**42.0**	**27.140**	**0.887**	**1.133**	**52.0**	**1.439**	**45.6**	**0.205**	**1.464**	**82.0**	**1.479**	**BF exceeds limit NG**
994818.6	**15392430.2**	**1342.8**	**279.134**	**192.619**	**34.6**	**339.143**	**41.8**	**26.988**	**0.888**	**1.109**	**51.3**	**1.421**	**48.7**	**0.169**	**1.503**	**83.6**	**1.512**	**BF exceeds limit NG**
994822.6	**15392427.2**	**1343.1**	**272.129**	**186.801**	**34.5**	**330.074**	**41.1**	**26.266**	**0.847**	**1.061**	**51.4**	**1.358**	**47.6**	**0.217**	**1.422**	**81.3**	**1.439**	**BF exceeds limit NG**
994826.6	**15392424.2**	**1343.5**	**266.565**	**182.230**	**34.4**	**322.900**	**40.5**	**25.696**	**0.819**	**1.018**	**51.2**	**1.306**	**47.8**	**0.245**	**1.386**	**80.0**	**1.407**	**BF exceeds limit NG**
994830.6	**15392421.2**	**1343.9**	**261.865**	**178.404**	**34.3**	**316.862**	**39.9**	**25.215**	**0.798**	**0.978**	**50.8**	**1.262**	**48.9**	**0.263**	**1.378**	**79.2**	**1.402**	**BF exceeds limit NG**
994834.5	**15392418.2**	**1344.4**	**257.268**	**174.690**	**34.2**	**310.972**	**39.4**	**24.746**	**0.780**	**0.937**	**50.2**	**1.219**	**50.3**	**0.281**	**1.378**	**78.5**	**1.407**	**BF exceeds limit NG**
994838.5	**15392415.2**	**1344.7**	**250.348**	**169.138**	**34.0**	**302.129**	**38.7**	**24.043**	**0.744**	**0.888**	**50.0**	**1.158**	**49.6**	**0.335**	**1.334**	**75.9**	**1.375**	**BF exceeds limit NG**
994842.5	**15392412.2**	**1344.9**	**243.564**	**163.753**	**33.9**	**293.494**	**37.9**	**23.355**	**0.710**	**0.840**	**49.8**	**1.100**	**48.9**	**0.389**	**1.298**	**73.3**	**1.355**	**BF exceeds limit NG**
994846.5	**15392409.1**	**1345.2**	**236.919**	**158.531**	**33.8**	**285.066**	**37.2**	**22.685**	**0.678**	**0.793**	**49.5**	**1.043**	**48.1**	**0.444**	**1.268**	**70.7**	**1.343**	**BF exceeds limit NG**
994850.5	**15392406.1**	**1345.4**	**230.293**	**153.377**	**33.7**	**276.694**	**36.5**	**22.019**	**0.646**	**0.748**	**49.2**	**0.988**	**47.0**	**0.502**	**1.241**	**68.0**	**1.338**	**BF exceeds limit NG**
994854.5	**15392403.1**	**1345.8**	**224.867**	**149.199**	**33.6**	**269.862**	**35.9**	**21.475**	**0.623**	**0.708**	**48.6**	**0.944**	**47.1**	**0.545**	**1.238**	**66.2**	**1.353**	**BF exceeds limit NG**

994858.5	**15392400.1**	**1346.3**	**220.593**	**145.936**	**33.5**	**264.497**	**35.5**	**21.048**	**0.609**	**0.674**	**47.9**	**0.909**	**48.5**	**0.575**	**1.257**	**65.4**	**1.382**	**BF exceeds limit NG**
994862.5	**15392397.1**	**1346.8**	**217.517**	**143.608**	**33.4**	**260.648**	**35.1**	**20.742**	**0.604**	**0.646**	**46.9**	**0.885**	**51.4**	**0.591**	**1.295**	**65.5**	**1.423**	**BF exceeds limit NG**
994866.5	**15392394.1**	**1346.9**	**209.377**	**137.456**	**33.3**	**250.465**	**34.2**	**19.931**	**0.561**	**0.601**	**47.0**	**0.822**	**47.0**	**0.681**	**1.234**	**61.1**	**1.409**	**BF exceeds limit NG**
994870.5	**15392391.1**	**1347.3**	**204.903**	**134.181**	**33.2**	**244.928**	**33.8**	**19.491**	**0.547**	**0.572**	**46.3**	**0.792**	**47.7**	**0.710**	**1.255**	**60.5**	**1.442**	**BF exceeds limit NG**
994874.4	**15392388.1**	**1347.7**	**200.076**	**130.596**	**33.1**	**238.926**	**33.3**	**19.013**	**0.529**	**0.542**	**45.7**	**0.758**	**47.3**	**0.761**	**1.250**	**58.7**	**1.464**	**BF exceeds limit NG**
994878.4	**15392385.0**	**1348.2**	**195.820**	**127.459**	**33.1**	**233.648**	**32.9**	**18.593**	**0.516**	**0.515**	**45.0**	**0.729**	**47.5**	**0.808**	**1.252**	**57.2**	**1.490**	**BF exceeds limit NG**
994882.4	**15392382.0**	**1348.8**	**193.387**	**125.684**	**33.0**	**230.640**	**32.6**	**18.354**	**0.516**	**0.496**	**43.8**	**0.716**	**50.4**	**0.833**	**1.282**	**57.0**	**1.528**	**BF exceeds limit NG**
994886.4	**15392379.0**	**1349.1**	**188.338**	**121.995**	**32.9**	**224.397**	**32.1**	**17.857**	**0.498**	**0.468**	**43.2**	**0.683**	**48.7**	**0.898**	**1.263**	**54.6**	**1.550**	**BF exceeds limit NG**
994890.4	**15392376.0**	**1349.6**	**184.115**	**118.932**	**32.9**	**219.187**	**31.6**	**17.442**	**0.486**	**0.444**	**42.4**	**0.658**	**48.1**	**0.954**	**1.257**	**52.8**	**1.578**	**BF exceeds limit NG**
994894.4	**15392373.0**	**1350.1**	**181.280**	**116.894**	**32.8**	**215.700**	**31.3**	**17.165**	**0.483**	**0.425**	**41.3**	**0.644**	**49.7**	**0.992**	**1.271**	**52.0**	**1.613**	**BF exceeds limit NG**
994898.4	**15392370.0**	**1350.7**	**178.440**	**114.860**	**32.8**	**212.212**	**31.0**	**16.887**	**0.481**	**0.407**	**40.2**	**0.630**	**51.1**	**1.030**	**1.284**	**51.3**	**1.646**	**BF exceeds limit NG**
994902.4	**15392367.0**	**1351.3**	**175.728**	**112.926**	**32.7**	**208.884**	**30.7**	**16.622**	**0.479**	**0.389**	**39.1**	**0.617**	**52.6**	**1.066**	**1.297**	**50.6**	**1.679**	**BF exceeds limit NG**
994906.4	**15392363.9**	**1351.8**	**171.839**	**110.155**	**32.7**	**204.114**	**30.3**	**16.243**	**0.467**	**0.367**	**38.1**	**0.594**	**52.0**	**1.117**	**1.292**	**49.2**	**1.708**	**BF exceeds limit NG**
994910.3	15392360.9	1352.2	167.672	107.200	32.6	199.012	29.8	15.837	0.454	0.344	37.2	0.569	50.8	1.170	1.282	47.6	1.736	
994914.3	15392357.9	1352.6	163.600	104.330	32.5	194.035	29.4	15.441	0.440	0.323	36.3	0.545	49.5	1.220	1.273	46.2	1.763	
994918.3	15392354.9	1352.9	159.299	101.312	32.5	188.787	28.9	15.023	0.424	0.301	35.4	0.520	47.7	1.271	1.261	44.8	1.790	
994922.3	15392351.9	1353.5	156.308	99.231	32.4	185.146	28.6	14.733	0.417	0.284	34.2	0.504	48.1	1.301	1.265	44.2	1.815	
994926.3	15392348.9	1353.9	152.712	96.734	32.4	180.772	28.2	14.385	0.405	0.265	33.2	0.484	47.2	1.339	1.260	43.3	1.839	
994930.3	15392345.9	1354.3	149.225	94.324	32.3	176.537	27.8	14.048	0.394	0.247	32.1	0.465	46.2	1.375	1.256	42.4	1.862	
994934.3	15392342.8	1354.7	145.783	91.956	32.2	172.362	27.4	13.716	0.382	0.230	31.0	0.446	45.0	1.409	1.252	41.6	1.885	
994938.3	15392339.8	1355.1	142.115	89.442	32.2	167.918	27.0	13.363	0.368	0.212	29.9	0.425	43.1	1.447	1.244	40.7	1.908	
994942.3	15392336.8	1355.9	141.402	88.970	32.2	167.064	27.0	13.295	0.375	0.205	28.6	0.428	46.0	1.440	1.268	41.4	1.918	
994946.3	15392333.8	1356.1	136.903	85.899	32.1	161.620	26.5	12.861	0.354	0.184	27.5	0.399	42.0	1.492	1.250	39.9	1.946	
994950.2	15392330.8	1356.3	132.930	83.204	32.0	156.822	26.0	12.480	0.336	0.166	26.3	0.375	38.1	1.539	1.237	38.8	1.975	
994954.2	15392327.8	1356.7	130.658	81.674	32.0	154.085	25.8	12.262	0.329	0.154	25.0	0.363	37.0	1.563	1.241	38.4	1.996	
994958.2	15392324.8	1357.3	129.411	80.843	32.0	152.587	25.6	12.143	0.329	0.146	23.9	0.360	37.2	1.575	1.253	38.5	2.012	
994962.2	15392321.7	1357.6	126.905	79.158	32.0	149.569	25.3	11.902	0.318	0.133	22.7	0.345	34.3	1.613	1.252	37.8	2.042	
994966.2	15392318.7	1357.9	125.056	77.920	31.9	147.345	25.1	11.725	0.312	0.124	21.7	0.336	31.9	1.647	1.257	37.3	2.072	
994970.2	15392315.7	1358.4	124.332	77.441	31.9	146.477	25.0	11.656	0.312	0.119	20.8	0.334	31.0	1.671	1.271	37.3	2.099	

Max EF along centerline is 1.792 (kV/m) at 360.000 (ft) from structure Undefined (#69 in line)

Cross section results at max EF along centerline between structures Undefined (#69 in line) and Undefined (#70 in line)


MAGNETIC FIELD VS. OFFSET RELATIVE TO LINE BETWEEN ST
360 (FT) AHEAD OF STRUCTURE UNDEFINED (#69 IN LINE)
MAGNETIC FIELD (MG)
400
380
360
340
320
300
280
260
240
220
200
180
160
140
120
100
80
60
40
20
0
-180 -160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 160 180
OFFSET (FT)



3D EMF Point Results Span from Undefined (#69 in line) to Undefined (#70 in line):

Measurement			B					H	EF					Space Potential			
X (ft)	Y (ft)	Z (ft)	Real (mG)	Imaginary (mG)	Angle (deg)	Magnitude (mG)	Polarization Axial Ratio %	Magnitude (A/m)	Real (kV/m)	Imaginary (kV/m)	Angle (deg)	Magnitude (kV/m)	Polarization Axial Ratio %	Real (kV)	Imaginary (kV)	Angle (deg)	Magnitude (kV)
994864.2	15392615.1	1323.0	9.731	4.840	26.4	10.868	0.6	0.865	0.057	0.010	9.6	0.057	0.2	-0.023	-0.001	1.5	0.023
994861.2	15392611.1	1323.3	10.305	5.103	26.3	11.500	0.7	0.915	0.061	0.011	9.8	0.062	0.2	-0.021	-0.000	1.3	0.021
994858.2	15392607.1	1323.6	10.932	5.389	26.2	12.188	0.7	0.970	0.066	0.012	10.0	0.067	0.2	-0.021	-0.000	1.3	0.021
994855.2	15392603.1	1324.0	11.618	5.700	26.1	12.941	0.8	1.030	0.072	0.013	10.2	0.073	0.2	-0.019	-0.000	1.2	0.019
994852.2	15392599.1	1324.3	12.374	6.039	26.0	13.769	0.9	1.096	0.078	0.014	10.4	0.080	0.2	-0.016	-0.000	0.1	0.016
994849.2	15392595.1	1324.8	13.210	6.411	25.9	14.684	0.9	1.169	0.085	0.016	10.5	0.087	0.2	-0.010	0.001	-5.1	0.010
994846.2	15392591.2	1325.2	14.131	6.818	25.8	15.690	1.0	1.249	0.094	0.018	10.7	0.095	0.2	-0.005	0.002	-17.5	0.005
994843.1	15392587.2	1325.6	15.150	7.264	25.6	16.802	1.1	1.337	0.103	0.020	10.9	0.105	0.2	0.000	0.002	89.8	0.002
994840.1	15392583.2	1326.1	16.288	7.757	25.5	18.041	1.2	1.436	0.113	0.022	11.0	0.116	0.2	0.009	0.004	23.9	0.009
994837.1	15392579.2	1326.5	17.563	8.303	25.3	19.427	1.3	1.546	0.126	0.025	11.2	0.128	0.2	0.021	0.006	15.9	0.021
994834.1	15392575.2	1327.0	18.994	8.910	25.1	20.980	1.4	1.670	0.140	0.028	11.3	0.142	0.2	0.035	0.008	13.4	0.036
994831.1	15392571.2	1327.5	20.607	9.585	24.9	22.727	1.6	1.809	0.156	0.031	11.4	0.159	0.2	0.053	0.012	12.3	0.054
994828.1	15392567.2	1328.0	22.435	10.340	24.7	24.703	1.7	1.966	0.175	0.036	11.5	0.178	0.2	0.075	0.015	11.7	0.076
994825.1	15392563.2	1328.4	24.502	11.183	24.5	26.934	1.9	2.143	0.197	0.040	11.6	0.201	0.3	0.095	0.019	11.3	0.097
994822.0	15392559.2	1328.6	26.844	12.125	24.3	29.456	2.1	2.344	0.223	0.046	11.7	0.228	0.3	0.111	0.022	10.9	0.113
994819.0	15392555.2	1328.9	29.534	13.190	24.1	32.345	2.4	2.574	0.255	0.053	11.7	0.260	0.3	0.131	0.024	10.6	0.133
994816.0	15392551.3	1329.1	32.644	14.401	23.8	35.679	2.7	2.839	0.292	0.061	11.8	0.298	0.4	0.156	0.028	10.3	0.158
994813.0	15392547.3	1329.4	36.267	15.786	23.5	39.554	3.0	3.148	0.337	0.070	11.8	0.345	0.4	0.189	0.033	10.0	0.192
994810.0	15392543.3	1329.6	40.487	17.370	23.2	44.056	3.4	3.506	0.392	0.082	11.8	0.401	0.5	0.222	0.038	9.7	0.226
994807.0	15392539.3	1329.8	45.447	19.196	22.9	49.334	3.8	3.926	0.460	0.096	11.7	0.470	0.5	0.260	0.043	9.4	0.263
994804.0	15392535.3	1330.3	51.521	21.371	22.5	55.778	4.3	4.439	0.543	0.112	11.7	0.554	0.6	0.361	0.060	9.4	0.366
994800.9	15392531.3	1330.6	58.736	23.899	22.1	63.412	4.8	5.046	0.646	0.133	11.6	0.659	0.6	0.464	0.076	9.3	0.470

994797.9	15392527.3	1330.9	67.453	26.880	21.7	72.612	5.5	5.778	0.774	0.159	11.6	0.790	0.7	0.590	0.095	9.1	0.597	
994794.9	15392523.3	1331.2	78.099	30.435	21.3	83.820	6.3	6.670	0.935	0.191	11.5	0.954	0.7	0.755	0.120	9.0	0.764	
994791.9	15392519.3	1331.5	91.205	34.712	20.8	97.587	7.3	7.766	1.134	0.231	11.5	1.158	0.8	0.972	0.152	8.9	0.984	
994788.9	15392515.4	1331.9	107.510	39.926	20.4	114.684	8.5	9.126	1.380	0.282	11.6	1.409	0.8	1.270	0.199	8.9	1.286	
994785.9	**15392511.4**	**1332.3**	**128.190**	**46.418**	**19.9**	**136.335**	**10.0**	**10.849**	**1.675**	**0.349**	**11.8**	**1.711**	**0.8**	**1.719**	**0.276**	**9.1**	**1.741**	**EF exceeds limit NG**
994782.9	**15392507.4**	**1332.5**	**152.753**	**54.275**	**19.6**	**162.108**	**11.9**	**12.900**	**2.010**	**0.437**	**12.3**	**2.057**	**0.7**	**2.140**	**0.352**	**9.4**	**2.168**	**EF exceeds limit NG**
994779.8	**15392503.4**	**1332.7**	**182.100**	**64.066**	**19.4**	**193.041**	**14.2**	**15.362**	**2.352**	**0.554**	**13.3**	**2.416**	**0.8**	**2.617**	**0.458**	**9.9**	**2.656**	**EF exceeds limit NG**
994776.8	**15392499.4**	**1332.9**	**215.519**	**76.343**	**19.5**	**228.641**	**17.2**	**18.195**	**2.626**	**0.711**	**15.1**	**2.720**	**1.7**	**3.091**	**0.607**	**11.1**	**3.150**	**BF and EF exceed limits NG**
994773.8	**15392495.4**	**1333.2**	**250.469**	**91.765**	**20.1**	**266.750**	**20.9**	**21.227**	**2.717**	**0.916**	**18.6**	**2.868**	**3.8**	**3.445**	**0.816**	**13.3**	**3.541**	**BF and EF exceed limits NG**
994770.8	**15392491.4**	**1333.4**	**283.149**	**111.194**	**21.4**	**304.200**	**25.5**	**24.207**	**2.509**	**1.169**	**25.0**	**2.768**	**8.1**	**3.565**	**1.114**	**17.3**	**3.735**	**BF and EF exceed limits NG**
994767.8	**15392487.4**	**1333.7**	**308.790**	**135.349**	**23.7**	**337.150**	**31.1**	**26.830**	**1.962**	**1.438**	**36.2**	**2.433**	**16.9**	**3.317**	**1.502**	**24.4**	**3.641**	**BF and EF exceed limits NG**
994764.8	**15392483.4**	**1334.0**	**322.245**	**163.604**	**26.9**	**361.397**	**37.4**	**28.759**	**1.195**	**1.643**	**54.0**	**2.032**	**30.9**	**2.628**	**1.886**	**35.7**	**3.235**	**BF and EF exceed limits NG**
994761.8	**15392479.4**	**1334.3**	**324.101**	**194.586**	**31.0**	**378.028**	**43.1**	**30.083**	**0.696**	**1.662**	**67.3**	**1.802**	**41.9**	**1.656**	**2.157**	**52.5**	**2.719**	**BF and EF exceed limits NG**
994758.7	**15392475.5**	**1334.6**	**316.815**	**224.983**	**35.4**	**388.573**	**46.1**	**30.922**	**1.137**	**1.386**	**50.6**	**1.792**	**40.9**	**0.568**	**2.137**	**75.1**	**2.212**	**BF and EF exceed limits NG**
994755.7	**15392471.5**	**1335.0**	**303.098**	**249.031**	**39.4**	**392.282**	**44.4**	**31.217**	**1.744**	**0.864**	**26.3**	**1.946**	**37.6**	**-0.472**	**1.647**	**-74.0**	**1.713**	**BF and EF exceed limits NG**
994752.7	**15392467.5**	**1335.2**	**284.507**	**259.016**	**42.3**	**384.751**	**38.8**	**30.618**	**2.181**	**0.742**	**18.8**	**2.304**	**27.8**	**-1.253**	**0.712**	**-29.6**	**1.442**	**BF and EF exceed limits NG**
994749.7	**15392463.5**	**1335.3**	**263.760**	**254.011**	**43.9**	**366.184**	**32.1**	**29.140**	**2.425**	**1.402**	**30.0**	**2.801**	**16.9**	**-1.754**	**-0.341**	**11.0**	**1.787**	**BF and EF exceed limits NG**
994746.7	**15392459.5**	**1335.4**	**239.981**	**235.476**	**44.5**	**336.214**	**26.0**	**26.755**	**2.470**	**1.991**	**38.9**	**3.173**	**9.7**	**-1.992**	**-1.200**	**31.1**	**2.326**	**BF and EF exceed limits NG**
994743.7	**15392455.5**	**1335.5**	**212.773**	**207.598**	**44.3**	**297.269**	**21.0**	**23.656**	**2.330**	**2.244**	**43.9**	**3.235**	**5.6**	**-2.007**	**-1.697**	**40.2**	**2.628**	**BF and EF exceed limits NG**
994740.7	**15392451.5**	**1335.6**	**183.903**	**176.012**	**43.7**	**254.560**	**17.0**	**20.257**	**2.060**	**2.179**	**46.6**	**2.999**	**3.3**	**-1.855**	**-1.836**	**44.7**	**2.610**	**BF and EF exceed limits NG**
994737.7	**15392447.5**	**1335.8**	**156.458**	**146.047**	**43.0**	**214.029**	**13.8**	**17.032**	**1.740**	**1.930**	**48.0**	**2.598**	**2.0**	**-1.639**	**-1.761**	**47.1**	**2.406**	**BF and EF exceed limits NG**
994734.6	**15392443.5**	**1336.0**	**132.383**	**120.344**	**42.3**	**178.908**	**11.3**	**14.237**	**1.429**	**1.620**	**48.6**	**2.160**	**1.2**	**-1.429**	**-1.609**	**48.4**	**2.152**	**EF exceeds limit NG**
994731.6	**15392439.6**	**1336.2**	**111.953**	**99.106**	**41.5**	**149.518**	**9.4**	**11.898**	**1.158**	**1.323**	**48.8**	**1.758**	**0.7**	**-1.219**	**-1.411**	**49.2**	**1.865**	**EF exceeds limit NG**
994728.6	15392435.6	1336.4	95.093	82.071	40.8	125.611	7.8	9.996	0.935	1.069	48.8	1.421	0.4	-1.030	-1.215	49.7	1.593	
994725.6	15392431.6	1336.6	81.307	68.525	40.1	106.333	6.5	8.462	0.758	0.863	48.7	1.149	0.2	-0.865	-1.035	50.1	1.349	
994722.6	15392427.6	1336.7	70.015	57.719	39.5	90.739	5.5	7.221	0.618	0.700	48.6	0.934	0.1	-0.715	-0.868	50.5	1.125	
994719.6	15392423.6	1336.9	60.793	49.117	38.9	78.155	4.7	6.219	0.507	0.573	48.5	0.765	0.1	-0.594	-0.733	51.0	0.943	
994716.6	15392419.6	1337.0	53.219	42.220	38.4	67.932	4.0	5.406	0.420	0.472	48.3	0.632	0.1	-0.499	-0.626	51.5	0.801	
994713.5	15392415.6	1337.2	46.930	36.616	38.0	59.524	3.5	4.737	0.351	0.393	48.2	0.527	0.1	-0.421	-0.539	52.0	0.684	
994710.5	15392411.6	1337.3	41.656	32.009	37.5	52.534	3.0	4.181	0.295	0.330	48.2	0.443	0.1	-0.354	-0.464	52.6	0.584	
994707.5	15392407.6	1337.4	37.207	28.196	37.2	46.684	2.6	3.715	0.251	0.280	48.2	0.376	0.1	-0.299	-0.402	53.3	0.502	
994704.5	15392403.6	1337.5	33.426	25.010	36.8	41.747	2.3	3.322	0.214	0.239	48.2	0.321	0.2	-0.255	-0.352	54.1	0.435	
994701.5	15392399.7	1337.6	30.187	22.325	36.5	37.546	2.0	2.988	0.184	0.206	48.2	0.277	0.2	-0.218	-0.310	55.0	0.379	
994698.5	15392395.7	1337.6	27.391	20.041	36.2	33.940	1.7	2.701	0.160	0.179	48.3	0.240	0.2	-0.186	-0.275	55.9	0.332	
994695.5	15392391.7	1337.7	24.965	18.087	35.9	30.828	1.5	2.453	0.139	0.156	48.4	0.209	0.2	-0.160	-0.245	56.8	0.292	
994692.4	15392387.7	1337.8	22.847	16.401	35.7	28.124	1.3	2.238	0.122	0.138	48.5	0.184	0.2	-0.138	-0.220	57.9	0.260	
994689.4	15392383.7	1337.8	20.979	14.933	35.4	25.751	1.2	2.049	0.107	0.122	48.7	0.162	0.2	-0.117	-0.195	59.1	0.227	
994686.4	15392379.7	1337.7	19.330	13.651	35.2	23.664	1.0	1.883	0.095	0.108	48.8	0.144	0.3	-0.098	-0.173	60.5	0.199	
994683.4	15392375.7	1337.7	17.868	12.526	35.0	21.821	0.9	1.736	0.084	0.097	49.0	0.128	0.3	-0.082	-0.155	62.1	0.175	
994680.4	15392371.7	1337.6	16.566	11.534	34.8	20.186	0.8	1.606	0.075	0.087	49.2	0.115	0.3	-0.069	-0.139	63.7	0.155	
994677.4	15392367.7	1337.6	15.402	10.655	34.7	18.729	0.7	1.490	0.067	0.078	49.4	0.103	0.4	-0.057	-0.125	65.4	0.137	
994674.4	15392363.8	1337.5	14.357	9.873	34.5	17.424	0.6	1.387	0.060	0.071	49.7	0.093	0.4	-0.048	-0.113	67.1	0.123	
994671.3	15392359.8	1337.5	13.415	9.174	34.4	16.252	0.6	1.293	0.054	0.065	49.9	0.084	0.4	-0.039	-0.103	69.0	0.110	
994668.3	15392355.8	1337.4	12.564	8.547	34.2	15.195	0.5	1.209	0.049	0.059	50.2	0.077	0.5	-0.033	-0.094	70.8	0.099	
994665.3	15392351.8	1337.4	11.792	7.982	34.1	14.240	0.4	1.133	0.045	0.054	50.5	0.070	0.5	-0.027	-0.086	72.6	0.090	
994662.3	15392347.8	1337.4	11.090	7.472	34.0	13.372	0.4	1.064	0.040	0.050	50.7	0.064	0.6	-0.022	-0.080	74.4	0.083	
994659.3	15392343.8	1337.4	10.449	7.010	33.9	12.583	0.3	1.001	0.037	0.046	51.0	0.059	0.6	-0.019	-0.075	76.0	0.077	
994656.3	15392339.8	1337.4	9.863	6.589	33.7	11.862	0.3	0.944	0.034	0.042	51.3	0.054	0.7	-0.015	-0.070	77.5	0.072	
994653.3	15392335.8	1337.4	9.325	6.205	33.6	11.201	0.2	0.891	0.031	0.039	51.6	0.050	0.7	-0.012	-0.066	79.2	0.067	

Critical Energy/Electric Infrastructure Information (CEII) Has Been Redacted From This Document

PLS-CADD Version 20.01x64 11:13:38 AM Friday, February 28, 2025
Quanta Services - Dashiell
Project Name: 'C:\projects\L68\0026-0068-700 REV 0-0E PLS CADD MODEL.don'
Line Title: 'PROPOSED L723 AND EXISTING L68 MERGED'

3D EMF Calculation Notes:
1) Calculations based on the EPRI Red Book methods (3rd Edition, 2005 - 7.4 Calculation of Magnetic Fields and Appendices 7.1 Calculation of Field Ellipse Parameters and 7.6 Electric Field Calculations for 3D Geometry).
2) All wire positions are modeled at the specified weather case and wind direction. Height above ground determined by the modeled ground TIN.
3) Only the effects of wires are being analyzed. The effects of structures are not included unless enabled as noted below.
4) Ground return is being ignored for magnetic field calculations.

Meter height above ground:	3.28 (ft)
Maximum wire distance:	500.00 (ft)
Maximum cable segment size:	5.00 (ft)
Cross section offset +/-:	175.00 (ft)
Result interval:	5.00 (ft)
Electric field limit:	1.60 (kV/m)
Magnetic field limit:	200.00 (mG)
Space potential limit:	0.00 (kV)
Contour Map Spacing:	15 (ft)
Analyzing spans between these structures:	Undefined (#12 in line) - Undefined (#13 in line)

One or more sections have wind from both directions which is not supported. A wind direction of left is being used for those sections.

Section Data for 3D EMF Results:

Section Number	Section Note	Voltage Ph-Ph (kV)	Current (Amps)	Cable Filename	Cable Description	Conductors Per Phase	Bundle Diameter (in)	Cable Radius (in)	Weather Case	Condition	Wind Dir.	WC Temperature (deg F)	Effective Radius (in)
26		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.217
27		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.217
44		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.217
45		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.217
61		230.0	[redacted]	ortolan_acsr.wir	1033.5 kcmil 45/7 Strands ORTOLAN ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.606	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.606
62		230.0		ortolan_acsr.wir	1033.5 kcmil 45/7 Strands ORTOLAN ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.606	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.606

Centerline results between structures Undefined (#12 in line) and Undefined (#13 in line)

3D EMF Point Results Centerline from Undefined (#12 in line) to Undefined (#13 in line):

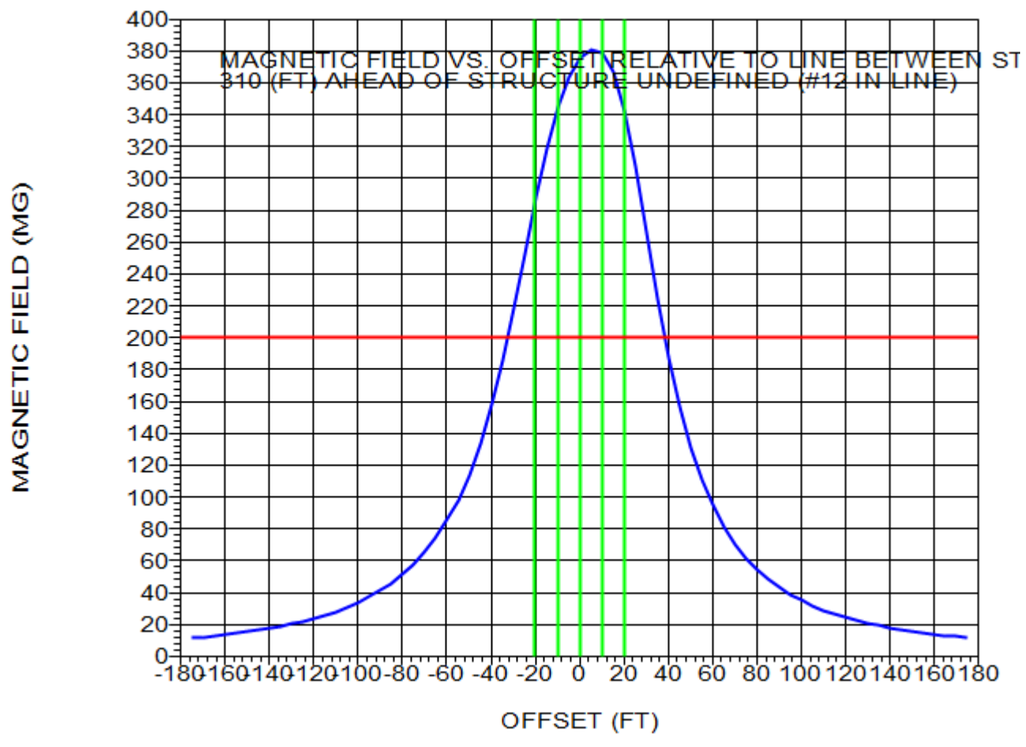
Measurement X (ft)	Measurement Y (ft)	Measurement Z (ft)	B Real (mG)	B Imaginary (mG)	B Angle (deg)	B Magnitude (mG)	B Polarization Axial Ratio %	H Magnitude (A/m)	EF Real (kV/m)	EF Imaginary (kV/m)	EF Angle (deg)	EF Magnitude (kV/m)	EF Polarization Axial Ratio %	Space Potential Real (kV)	Space Potential Imaginary (kV)	Space Potential Angle (deg)	Space Potential Magnitude (kV)
963221.6	15420233.3	1640.9	136.473	87.086	32.5	161.892	28.5	12.883	0.732	0.098	7.7	0.739	13.1	6.221	3.653	30.4	7.214
963225.2	15420229.9	1641.3	135.359	86.006	32.4	160.371	28.1	12.762	0.722	0.115	9.0	0.731	15.8	6.290	3.676	30.3	7.285
963228.8	15420226.4	1642.8	140.135	89.045	32.4	166.032	28.4	13.212	0.735	0.084	6.6	0.739	11.5	6.118	3.673	31.0	7.136
963232.5	15420223.0	1643.2	140.536	89.071	32.4	166.385	28.2	13.240	0.731	0.092	7.1	0.737	12.5	6.127	3.677	31.0	7.146
963236.1	15420219.6	1642.8	137.818	86.995	32.3	162.978	27.6	12.969	0.715	0.122	9.7	0.726	17.0	6.253	3.686	30.5	7.258
963239.7	15420216.1	1642.2	134.235	84.394	32.2	158.560	27.0	12.618	0.698	0.161	13.0	0.716	23.0	6.405	3.690	30.0	7.392
963243.3	15420212.7	1642.0	133.655	83.901	32.1	157.807	26.8	12.558	0.690	0.174	14.1	0.711	25.2	6.424	3.669	29.7	7.398
963247.0	15420209.2	1642.8	138.225	86.963	32.2	163.306	27.2	12.995	0.697	0.145	11.7	0.712	20.7	6.233	3.617	30.1	7.207
963250.6	15420205.8	1642.8	139.061	87.501	32.2	164.300	27.2	13.075	0.690	0.145	11.9	0.705	20.9	6.179	3.566	30.0	7.134
963254.2	15420202.3	1642.5	138.473	87.086	32.2	163.581	27.0	13.017	0.676	0.154	12.8	0.693	22.4	6.169	3.505	29.6	7.096
963257.8	15420198.9	1642.3	138.695	87.244	32.2	163.853	27.0	13.039	0.662	0.157	13.3	0.680	22.7	6.130	3.435	29.3	7.027
963261.5	15420195.5	1641.1	133.881	83.963	32.1	158.031	26.4	12.576	0.628	0.192	17.0	0.657	28.9	6.271	3.354	28.1	7.112
963265.1	15420192.0	1639.4	127.136	79.401	32.0	149.894	25.6	11.928	0.593	0.250	22.9	0.644	40.1	6.504	3.258	26.6	7.274
963268.7	15420188.6	1638.7	125.076	77.996	31.9	147.402	25.2	11.730	0.577	0.281	26.0	0.642	45.8	6.609	3.165	25.6	7.328
963272.4	15420185.1	1637.9	122.900	76.557	31.9	144.794	24.9	11.522	0.573	0.324	29.5	0.658	52.6	6.759	3.070	24.4	7.424
963276.0	15420181.7	1638.1	124.856	77.909	32.0	147.170	25.2	11.711	0.587	0.341	30.1	0.679	51.9	6.809	3.005	23.8	7.442
963279.6	15420178.3	1639.6	133.492	83.823	32.1	157.627	26.2	12.544	0.623	0.311	26.5	0.696	38.8	6.664	3.007	24.3	7.310
963283.2	15420174.8	1641.7	146.348	92.758	32.4	173.268	27.7	13.788	0.684	0.267	21.3	0.734	22.1	6.423	3.070	25.5	7.119
963286.9	15420171.4	1643.6	159.552	102.122	32.6	189.436	29.2	15.075	0.758	0.248	18.1	0.797	9.7	6.213	3.162	27.0	6.972

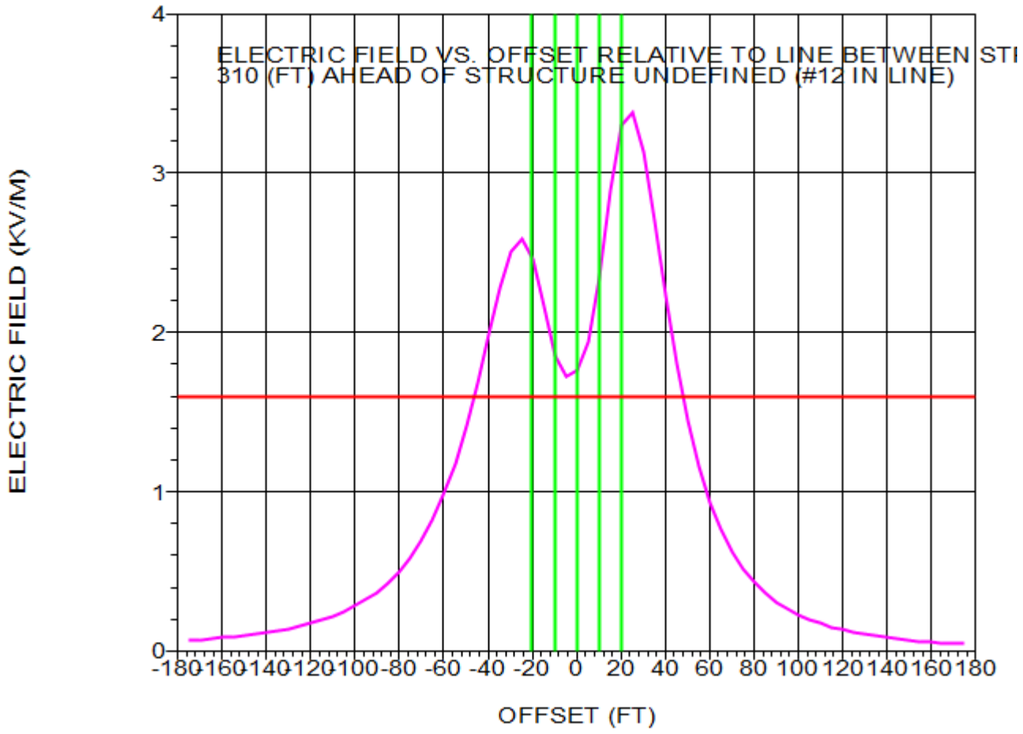
963290.5	15420167.9	1644.5	167.296	107.734	32.8	198.984	30.1	15.835	0.813	0.269	18.3	0.857	6.8	6.201	3.225	27.5	6.990	
963294.1	15420164.5	1645.6	177.158	114.968	33.0	211.193	31.2	16.806	0.877	0.287	18.1	0.923	3.5	6.119	3.320	28.5	6.961	BF exceeds limit NG
963297.7	15420161.1	1647.0	190.638	125.021	33.3	227.976	32.8	18.142	0.955	0.309	17.9	1.004	7.7	5.910	3.463	30.4	6.849	BF exceeds limit NG
963301.4	15420157.6	1648.5	206.089	136.811	33.6	247.366	34.5	19.685	1.044	0.350	18.5	1.101	15.9	5.628	3.639	32.9	6.703	BF exceeds limit NG
963305.0	15420154.2	1648.4	206.585	137.281	33.6	248.039	34.6	19.738	1.050	0.374	19.6	1.115	12.1	5.770	3.654	32.3	6.830	BF exceeds limit NG
963308.6	15420150.7	1648.1	206.012	136.927	33.6	247.366	34.6	19.685	1.050	0.406	21.1	1.126	8.8	5.917	3.652	31.7	6.953	BF exceeds limit NG
963312.3	15420147.3	1648.7	213.685	142.950	33.8	257.092	35.5	20.459	1.085	0.435	21.8	1.169	11.1	5.773	3.751	33.0	6.885	BF exceeds limit NG
963315.9	15420143.8	1649.2	220.739	148.567	33.9	266.078	36.3	21.174	1.114	0.465	22.6	1.208	13.3	5.616	3.845	34.4	6.806	BF exceeds limit NG
963319.5	15420140.4	1649.3	223.333	150.803	34.0	269.479	36.7	21.444	1.120	0.494	23.8	1.224	13.5	5.543	3.897	35.1	6.776	BF exceeds limit NG
963323.1	15420137.0	1649.3	225.038	152.247	34.1	271.701	37.0	21.621	1.116	0.525	25.2	1.233	14.1	5.479	3.908	35.5	6.730	BF exceeds limit NG
963326.8	15420133.5	1649.7	231.485	157.496	34.2	279.982	37.7	22.280	1.131	0.556	26.2	1.260	16.8	5.241	3.971	37.1	6.575	BF exceeds limit NG
963330.4	15420130.1	1649.8	233.992	159.610	34.3	283.245	38.1	22.540	1.125	0.591	27.7	1.271	18.8	5.086	3.956	37.9	6.443	BF exceeds limit NG
963334.0	15420126.6	1650.2	239.975	164.565	34.4	290.980	38.8	23.155	1.132	0.629	29.1	1.295	22.1	4.801	3.966	39.6	6.227	BF exceeds limit NG
963337.6	15420123.2	1650.5	245.750	169.401	34.6	298.479	39.5	23.752	1.135	0.671	30.6	1.319	25.6	4.498	3.945	41.2	5.983	BF exceeds limit NG
963341.3	15420119.8	1651.0	253.413	175.867	34.8	308.459	40.4	24.546	1.147	0.721	32.2	1.355	30.0	4.130	3.929	43.6	5.700	BF exceeds limit NG
963344.9	15420116.3	1651.0	254.401	176.791	34.8	309.798	40.5	24.653	1.121	0.759	34.1	1.354	31.6	3.918	3.783	44.0	5.447	BF exceeds limit NG
963348.5	15420112.9	1650.1	244.704	168.807	34.6	297.281	39.5	23.657	1.038	0.781	36.9	1.299	28.4	3.960	3.428	40.9	5.238	BF exceeds limit NG
963352.1	15420109.4	1649.9	244.168	168.449	34.6	296.636	39.4	23.606	1.007	0.813	38.9	1.294	27.3	3.781	3.216	40.4	4.964	BF exceeds limit NG
963355.8	15420106.0	1650.6	253.081	175.951	34.8	308.235	40.5	24.529	1.028	0.854	39.7	1.336	29.7	3.401	3.189	43.2	4.663	BF exceeds limit NG
963359.4	15420102.5	1651.2	262.327	183.857	35.0	320.342	41.6	25.492	1.061	0.903	40.4	1.394	33.2	3.053	3.189	46.2	4.415	BF exceeds limit NG
963363.0	15420099.1	1651.2	262.152	183.793	35.0	320.162	41.6	25.478	1.046	0.928	41.6	1.398	30.7	2.948	3.016	45.6	4.218	BF exceeds limit NG
963366.7	15420095.7	1651.2	262.993	184.593	35.1	321.310	41.7	25.569	1.042	0.955	42.5	1.413	28.6	2.852	2.878	45.3	4.052	BF exceeds limit NG
963370.3	15420092.2	1651.5	267.863	188.855	35.2	327.745	42.3	26.081	1.066	0.992	42.9	1.456	29.1	2.699	2.847	46.5	3.923	BF exceeds limit NG
963373.9	15420088.8	1652.0	274.647	194.821	35.4	336.728	43.2	26.796	1.107	1.034	43.0	1.514	31.0	2.531	2.879	48.7	3.833	BF exceeds limit NG
963377.5	15420085.3	1652.4	280.804	200.307	35.5	344.926	43.9	27.448	1.146	1.072	43.1	1.570	32.4	2.397	2.920	50.6	3.778	BF exceeds limit NG
963381.2	15420081.9	1652.8	286.999	205.887	35.7	353.211	44.7	28.108	1.188	1.108	43.0	1.624	33.9	2.275	2.984	52.7	3.753	BF and EF exceed limits NG
963384.8	15420078.5	1653.0	289.743	208.421	35.7	356.917	45.0	28.403	1.207	1.129	43.1	1.653	33.2	2.234	2.990	53.2	3.732	BF and EF exceed limits NG
963388.4	15420075.0	1653.1	291.449	210.030	35.8	359.243	45.3	28.588	1.219	1.143	43.2	1.671	32.1	2.216	2.988	53.4	3.720	BF and EF exceed limits NG
963392.0	15420071.6	1653.2	293.023	211.522	35.8	361.392	45.5	28.759	1.228	1.155	43.2	1.686	31.2	2.197	2.995	53.7	3.714	BF and EF exceed limits NG
963395.7	15420068.1	1653.3	294.462	212.893	35.9	363.361	45.7	28.915	1.235	1.165	43.3	1.698	30.5	2.173	3.007	54.1	3.710	BF and EF exceed limits NG
963399.3	15420064.7	1653.4	295.763	214.139	35.9	365.146	45.9	29.057	1.240	1.175	43.5	1.708	30.0	2.142	3.019	54.6	3.702	BF and EF exceed limits NG
963402.9	15420061.2	1653.5	296.924	215.257	35.9	366.741	46.0	29.184	1.242	1.185	43.7	1.716	29.8	2.103	3.029	55.2	3.687	BF and EF exceed limits NG
963406.6	15420057.8	1653.6	297.908	216.212	36.0	368.099	46.2	29.292	1.241	1.194	43.9	1.722	29.7	2.055	3.034	55.9	3.664	BF and EF exceed limits NG
963410.2	15420054.4	1653.7	298.474	216.782	36.0	368.892	46.3	29.355	1.237	1.201	44.2	1.724	29.6	2.006	3.027	56.5	3.631	BF and EF exceed limits NG
963413.8	15420050.9	1653.8	298.893	217.215	36.0	369.485	46.3	29.403	1.230	1.208	44.5	1.724	29.5	1.950	3.014	57.1	3.590	BF and EF exceed limits NG
963417.4	15420047.5	1653.9	299.068	217.421	36.0	369.748	46.4	29.424	1.221	1.213	44.8	1.722	29.5	1.890	2.992	57.7	3.539	BF and EF exceed limits NG
963421.1	15420044.0	1654.0	299.008	217.408	36.0	369.691	46.4	29.419	1.211	1.219	45.2	1.718	29.4	1.830	2.959	58.3	3.480	BF and EF exceed limits NG
963424.7	15420040.6	1654.1	298.791	217.247	36.0	369.422	46.4	29.398	1.200	1.226	45.6	1.716	29.4	1.770	2.916	58.7	3.411	BF and EF exceed limits NG
963428.3	15420037.2	1654.1	297.374	215.983	36.0	367.533	46.2	29.247	1.183	1.230	46.1	1.707	28.7	1.735	2.838	58.6	3.326	BF and EF exceed limits NG
963431.9	15420033.7	1654.3	298.192	216.760	36.0	368.650	46.3	29.336	1.182	1.243	46.4	1.715	29.5	1.653	2.808	59.5	3.258	BF and EF exceed limits NG
963435.6	15420030.3	1654.5	299.683	218.152	36.1	370.675	46.5	29.497	1.186	1.258	46.7	1.729	30.7	1.561	2.793	60.8	3.199	BF and EF exceed limits NG
963439.2	15420026.8	1654.7	301.076	219.453	36.1	372.567	46.7	29.648	1.192	1.272	46.9	1.743	31.9	1.474	2.780	62.1	3.147	BF and EF exceed limits NG
963442.8	15420023.4	1654.9	302.344	220.637	36.1	374.290	46.9	29.785	1.198	1.282	46.9	1.754	33.1	1.394	2.772	63.3	3.103	BF and EF exceed limits NG
963446.5	15420020.0	1655.2	303.467	221.687	36.1	375.816	47.0	29.906	1.204	1.287	46.9	1.762	34.3	1.320	2.773	64.5	3.071	BF and EF exceed limits NG
963450.1	15420016.5	1655.2	302.126	220.457	36.1	374.007	46.9	29.763	1.193	1.279	47.0	1.749	34.1	1.296	2.726	64.6	3.019	BF and EF exceed limits NG
963453.7	15420013.1	1655.3	300.258	218.742	36.1	371.488	46.6	29.562	1.180	1.264	47.0	1.729	33.8	1.282	2.679	64.4	2.970	BF and EF exceed limits NG
963457.3	15420009.6	1655.3	298.173	216.830	36.0	368.676	46.4	29.338	1.164	1.247	47.0	1.706	33.4	1.269	2.637	64.3	2.927	BF and EF exceed limits NG
963461.0	15420006.2	1655.4	295.709	214.575	36.0	365.358	46.1	29.074	1.146	1.227	47.0	1.679	33.0	1.262	2.593	64.0	2.883	BF and EF exceed limits NG
963464.6	15420002.7	1655.4	293.126	212.218	35.9	361.883	45.8	28.798	1.126	1.207	47.0	1.651	32.7	1.255	2.549	63.8	2.841	BF and EF exceed limits NG
963468.2	15419999.3	1655.4	290.428	209.765	35.8	358.259	45.5	28.509	1.107	1.188	47.0	1.623	32.4	1.248	2.504	63.5	2.798	BF and EF exceed limits NG
963471.8	15419995.9	1655.5	287.619	207.220	35.8	354.492	45.2	28.210	1.088	1.169	47.0	1.597	32.1	1.244	2.456	63.1	2.753	BF exceeds limit NG
963475.5	15419992.4	1655.5	284.705	204.590	35.7	350.591	44.8	27.899	1.069	1.150	47.1	1.570	31.9	1.242	2.404	62.7	2.706	BF exceeds limit NG
963479.1	15419989.0	1655.7	283.840	203.794	35.7	349.424	44.7	27.806	1.065	1.140	46.9	1.559	33.2	1.199	2.402	63.5	2.685	BF exceeds limit NG
963482.7	15419985.5	1655.9	282.986	203.007	35.7	348.271	44.6	27.715	1.061	1.128	46.7	1.549	34.6	1.158	2.403	64.3	2.667	BF exceeds limit NG
963486.4	15419982.1	1656.1	281.987	202.088	35.6	346.923	44.5	27.607	1.058	1.114	46.5	1.536	36.1	1.118	2.405	65.1	2.652	BF exceeds limit NG
963490.0	15419978.7	1656.2	280.609	200.831	35.6	345.072	44.3	27.460	1.051	1.096	46.2	1.519	37.6	1.084	2.404	65.7	2.637	BF exceeds limit NG
963493.6	15419975.2	1656.2	275.810	196.559	35.5	338.683	43.8	26.952	1.022	1.063	46.1	1.475	36.6	1.112	2.330	64.5	2.582	BF exceeds limit NG
963497.2	15419971.8	1656.1	270.986	192.298	35.4	332.283	43.2	26.442	0.993	1.029	46.0	1.430	35.8	1.137	2.261	63.3	2.531	BF exceeds limit NG
963500.9	15419968.3	1656.0	266.142	188.055	35.2	325.878	42.6	25.933	0.964	0.994	45.9	1.385	35.1	1.157	2.194	62.2	2.481	BF exceeds limit NG
963504.5	15419964.9	1656.0	261.904	184.364	35.1	320.287	42.1	25.488	0.939	0.963	45.7	1.345	35.1	1.160	2.142	61.6	2.436	BF exceeds limit NG
963508.1	15419961.4	1656.1	258.156	181.117	35.1	315.354	41.7	25.095	0.918	0.935	45.5	1.310	35.6	1.151	2.099	61.3	2.394	BF exceeds limit NG
963511.7	15419958.0	1656.1	254.359	177.846	35.0	310.367	41.2	24.698	0.897	0.908	45.4	1.276	36.3	1.139	2.052	61.0	2.347	BF exceeds limit NG
963515.4	15419954.6	1656.2	251.335	175.246	34.9	306.399	40.8	24.382	0.882	0.885	45.1	1.249	37.9	1.107	2.020	61.3	2.304	BF exceeds limit NG
963519.0	15419951.1	1656.3	248.414	172.744	34.8	302.573	40.5	24.078	0.868	0.862	44.8	1.223	39.8	1.067	1.989	61.8	2.257	BF exceeds limit NG
963522.6	15419947.7	1656.3	244.582	169.495	34.7	297.572	40.0	23.680	0.848	0.835	44.6	1.190	41.2	1.038	1.937	61.8	2.197	BF exceeds limit NG
963526.3	15419944.2	1656.3	239.558	165.284	34.6	291.045	39.4	23.161	0.819	0.804	44.5	1.148	41.7	1.023	1.860	61.2	2.123	BF exceeds limit NG
963529.9	15419940.8	1656.1	234.020	160.689	34.5	283.877	38.8	22.590	0.786	0.772	44.5	1.101	42.0	1.009	1.773	60.4	2.040	BF exceeds limit NG
963533.5	15419937.4	1656.0	227.896	155.664	34.3	275.985	38.1	21.962	0.749	0.737	44.6	1.051	41.8	0.998	1.674	59.2	1.949	BF exceeds limit NG
963537.1	15419933.9	1655.8	221.578	150.535	34.2	267.876	37.3	21.317	0.710	0.703	44.7	0.999	41.4	0.983	1.572	58.0	1.854	BF exceeds limit NG
963540.8	15419930.5	1655.6	215.447	145.609	34.1	260.038	36.6	20.693	0.672	0.671	45.0	0.949	41.2	0.960	1.474	56.9	1.759	BF exceeds limit NG
963544.4	15419927.0	1655.5	210.801	141.896	33.9	254.110	36.1	20.221	0.644	0.644	45.0	0.911	42.7	0.908	1.405	57.1	1.672	BF exceeds limit NG
963548.0	15419923.6	1655.5	206.202	138.248	33.8	248.258	35.5	19.756	0.616	0.618	45.1	0.873	44.3	0.855	1.337	57.4	1.587	BF exceeds limit NG
963551.6	15419920.2	1655.5	202.308	135.172	33.7	243.311	35.1	19.362	0.595	0.595	45.0	0.842	46.8	0.791	1.284	58.4	1.508	BF exceeds limit NG
963555.3	15419916.7	1655.4	197.347	131.298	33.6	237.034	34.5	18.863	0.567	0.569	45.1	0.803	47.9	0.748	1.211	58.3	1.424	BF exceeds limit NG

963558.9	**15419913.3**	**1655.2**	**192.011**	**127.171**	**33.5**	**230.305**	**33.8**	**18.327**	**0.537**	**0.541**	**45.2**	**0.762**	**48.3**	**0.714**	**1.135**	**57.8**	**1.341**	**BF exceeds limit NG**
963562.5	**15419909.8**	**1655.0**	**186.798**	**123.174**	**33.4**	**223.753**	**33.2**	**17.806**	**0.508**	**0.513**	**45.3**	**0.722**	**48.7**	**0.681**	**1.063**	**57.3**	**1.263**	**BF exceeds limit NG**
963566.2	**15419906.4**	**1654.9**	**181.712**	**119.305**	**33.3**	**217.377**	**32.6**	**17.298**	**0.481**	**0.486**	**45.3**	**0.684**	**49.1**	**0.650**	**0.996**	**56.9**	**1.190**	**BF exceeds limit NG**
963569.8	**15419902.9**	**1654.7**	**176.754**	**115.564**	**33.2**	**211.180**	**32.0**	**16.805**	**0.455**	**0.460**	**45.3**	**0.647**	**49.5**	**0.621**	**0.934**	**56.4**	**1.121**	**BF exceeds limit NG**
963573.4	**15419899.5**	**1654.6**	**171.982**	**111.988**	**33.1**	**205.230**	**31.4**	**16.332**	**0.431**	**0.435**	**45.3**	**0.612**	**49.9**	**0.592**	**0.875**	**55.9**	**1.056**	**BF exceeds limit NG**
963577.0	15419896.1	1654.4	167.415	108.591	33.0	199.549	30.9	15.880	0.408	0.412	45.3	0.580	50.6	0.563	0.820	55.5	0.994	
963580.7	15419892.6	1654.3	162.976	105.311	32.9	194.040	30.3	15.441	0.386	0.390	45.3	0.549	51.2	0.535	0.765	55.0	0.934	
963584.3	15419889.2	1654.1	158.521	102.068	32.8	188.538	29.8	15.003	0.365	0.369	45.3	0.519	51.7	0.484	0.705	55.5	0.855	
963587.9	15419885.7	1654.0	154.557	99.172	32.7	183.639	29.3	14.613	0.346	0.351	45.4	0.493	52.6	0.456	0.653	55.1	0.797	
963591.5	15419882.3	1653.9	150.797	96.438	32.6	178.997	28.8	14.244	0.328	0.335	45.6	0.468	53.8	0.428	0.601	54.5	0.738	
963595.2	15419878.9	1653.9	147.509	94.052	32.5	174.942	28.4	13.921	0.312	0.321	45.8	0.448	55.7	0.397	0.554	54.4	0.682	
963598.8	15419875.4	1653.9	144.825	92.101	32.5	171.630	28.1	13.658	0.301	0.309	45.8	0.432	59.1	0.362	0.513	54.8	0.628	
963602.4	15419872.0	1653.9	142.295	90.264	32.4	168.509	27.7	13.410	0.291	0.299	45.8	0.417	62.5	0.328	0.472	55.2	0.575	
963606.1	15419868.5	1654.0	139.925	88.543	32.3	165.587	27.4	13.177	0.281	0.290	45.8	0.404	65.9	0.297	0.432	55.5	0.524	
963609.7	15419865.1	1654.0	137.765	86.970	32.3	162.920	27.1	12.965	0.273	0.281	45.9	0.392	69.6	0.267	0.392	55.8	0.475	
963613.3	15419861.6	1654.0	135.534	85.351	32.2	160.169	26.7	12.746	0.263	0.272	46.0	0.378	72.2	0.242	0.351	55.4	0.426	
963616.9	15419858.2	1653.8	132.925	83.476	32.1	156.962	26.3	12.491	0.248	0.262	46.6	0.361	72.4	0.225	0.303	53.4	0.378	
963620.6	15419854.8	1653.5	130.027	81.411	32.1	153.410	25.9	12.208	0.229	0.251	47.7	0.340	69.6	0.215	0.251	49.4	0.330	
963624.2	15419851.3	1653.8	130.298	81.509	32.0	153.692	25.9	12.230	0.235	0.251	46.8	0.344	78.2	0.178	0.245	54.0	0.302	

Max BF along centerline is 375.816 (mG) at 310.000 (ft) from structure Undefined (#12 in line)

Cross section results at max BF along centerline between structures Undefined (#12 in line) and Undefined (#13 in line)





3D EMF Point Results Span from Undefined (#12 in line) to Undefined (#13 in line):

Measurement			B					H	EF					Space Potential			
X (ft)	Y (ft)	Z (ft)	Real (mG)	Imaginary (mG)	Angle (deg)	Magnitude (mG)	Polarization Axial Ratio %	Magnitude (A/m)	Real (kV/m)	Imaginary (kV/m)	Angle (deg)	Magnitude (kV/m)	Polarization Axial Ratio %	Real (kV)	Imaginary (kV)	Angle (deg)	Magnitude (kV)
963566.9	15420146.9	1652.8	10.357	5.137	26.4	11.561	1.2	0.920	0.065	0.012	10.2	0.066	0.7	0.264	0.062	13.3	0.272
963563.5	15420143.3	1652.8	10.958	5.411	26.3	12.221	1.3	0.972	0.070	0.013	10.3	0.071	0.7	0.274	0.065	13.3	0.282
963560.0	15420139.6	1652.8	11.616	5.709	26.2	12.943	1.4	1.030	0.075	0.014	10.5	0.077	0.6	0.287	0.068	13.3	0.295
963556.6	15420136.0	1652.8	12.336	6.032	26.1	13.732	1.5	1.093	0.082	0.015	10.6	0.083	0.6	0.301	0.072	13.4	0.310
963553.1	15420132.4	1652.8	13.127	6.384	25.9	14.597	1.6	1.162	0.089	0.017	10.7	0.090	0.6	0.316	0.075	13.4	0.325
963549.7	15420128.8	1652.8	13.996	6.768	25.8	15.547	1.7	1.237	0.096	0.018	10.8	0.098	0.5	0.332	0.079	13.4	0.342
963546.3	15420125.1	1652.8	14.956	7.188	25.7	16.593	1.8	1.320	0.105	0.020	10.9	0.107	0.5	0.349	0.083	13.4	0.359
963542.8	15420121.5	1652.8	16.019	7.649	25.5	17.751	1.9	1.413	0.115	0.022	11.1	0.117	0.5	0.368	0.088	13.4	0.379
963539.4	15420117.9	1652.8	17.196	8.155	25.4	19.032	2.0	1.515	0.126	0.025	11.2	0.129	0.4	0.386	0.092	13.4	0.397
963535.9	15420114.3	1652.7	18.509	8.713	25.2	20.458	2.2	1.628	0.139	0.028	11.3	0.142	0.4	0.406	0.097	13.4	0.417
963532.5	15420110.6	1652.6	19.979	9.331	25.0	22.050	2.3	1.755	0.154	0.031	11.3	0.158	0.3	0.428	0.102	13.4	0.440
963529.1	15420107.0	1652.6	21.631	10.017	24.8	23.838	2.5	1.897	0.172	0.035	11.4	0.175	0.3	0.451	0.107	13.3	0.464
963525.6	15420103.4	1652.5	23.495	10.782	24.7	25.851	2.7	2.057	0.192	0.039	11.5	0.196	0.2	0.478	0.113	13.3	0.491
963522.2	15420099.8	1652.4	25.604	11.636	24.4	28.124	3.0	2.238	0.216	0.044	11.6	0.220	0.2	0.504	0.119	13.3	0.518
963518.7	15420096.1	1652.3	28.006	12.596	24.2	30.708	3.2	2.444	0.243	0.050	11.6	0.248	0.2	0.533	0.125	13.2	0.547
963515.3	15420092.5	1652.2	30.775	13.684	24.0	33.681	3.5	2.680	0.276	0.057	11.6	0.282	0.2	0.573	0.133	13.1	0.588
963511.8	15420088.9	1652.2	33.970	14.920	23.7	37.102	3.8	2.953	0.316	0.065	11.7	0.322	0.2	0.620	0.143	13.0	0.636
963508.4	15420085.2	1652.2	37.677	16.329	23.4	41.063	4.2	3.268	0.363	0.075	11.7	0.370	0.3	0.674	0.153	12.8	0.691
963505.0	15420081.6	1652.2	42.005	17.944	23.1	45.678	4.6	3.635	0.419	0.087	11.7	0.428	0.3	0.736	0.165	12.6	0.755
963501.5	15420078.0	1652.2	47.092	19.807	22.8	51.088	5.0	4.065	0.489	0.101	11.7	0.499	0.4	0.810	0.178	12.4	0.829
963498.1	15420074.4	1652.2	53.110	21.968	22.5	57.474	5.6	4.574	0.573	0.118	11.6	0.585	0.5	0.897	0.193	12.1	0.917
963494.6	15420070.7	1652.2	60.278	24.492	22.1	65.063	6.2	5.178	0.677	0.139	11.6	0.691	0.5	1.000	0.210	11.9	1.021

963491.2	15420067.1	1652.2	68.867	27.459	21.7	74.140	7.0	5.900	0.805	0.166	11.6	0.822	0.6	1.122	0.230	11.6	1.146	
963487.8	15420063.5	1652.1	79.186	30.967	21.4	85.026	7.9	6.766	0.962	0.198	11.6	0.982	0.6	1.264	0.251	11.2	1.288	
963484.3	15420059.9	1652.1	91.592	35.139	21.0	98.101	9.0	7.807	1.154	0.240	11.7	1.178	0.7	1.422	0.274	10.9	1.448	
963480.9	15420056.2	1652.1	106.791	40.204	20.6	114.108	10.3	9.080	1.384	0.293	11.9	1.414	0.7	1.650	0.311	10.7	1.679	
963477.4	**15420052.6**	**1652.4**	**125.746**	**46.487**	**20.3**	**134.064**	**11.9**	**10.668**	**1.650**	**0.362**	**12.4**	**1.689**	**0.7**	**2.015**	**0.377**	**10.6**	**2.050**	**EF exceeds limit NG**
963474.0	**15420049.0**	**1652.6**	**148.600**	**54.228**	**20.0**	**158.186**	**13.8**	**12.588**	**1.938**	**0.452**	**13.1**	**1.990**	**0.6**	**2.450**	**0.466**	**10.8**	**2.494**	**EF exceeds limit NG**
963470.5	**15420045.3**	**1652.8**	**175.449**	**63.840**	**20.0**	**186.703**	**16.2**	**14.857**	**2.212**	**0.572**	**14.5**	**2.285**	**0.9**	**2.934**	**0.589**	**11.4**	**2.993**	**EF exceeds limit NG**
963467.1	**15420041.7**	**1653.1**	**205.497**	**75.843**	**20.3**	**219.046**	**19.2**	**17.431**	**2.402**	**0.731**	**16.9**	**2.510**	**2.0**	**3.409**	**0.761**	**12.6**	**3.493**	**BF and EF exceed limits NG**
963463.7	**15420038.1**	**1653.3**	**236.479**	**90.838**	**21.0**	**253.326**	**22.9**	**20.159**	**2.412**	**0.935**	**21.2**	**2.587**	**4.4**	**3.768**	**0.999**	**14.8**	**3.898**	**BF and EF exceed limits NG**
963460.2	**15420034.5**	**1653.7**	**266.488**	**109.914**	**22.4**	**288.265**	**27.5**	**22.939**	**2.158**	**1.178**	**28.6**	**2.459**	**9.5**	**3.964**	**1.359**	**18.9**	**4.191**	**BF and EF exceed limits NG**
963456.8	**15420030.8**	**1654.1**	**290.473**	**133.496**	**24.7**	**319.681**	**33.0**	**25.439**	**1.623**	**1.428**	**41.3**	**2.162**	**19.2**	**3.796**	**1.817**	**25.6**	**4.208**	**BF and EF exceed limits NG**
963453.3	**15420027.2**	**1654.4**	**304.973**	**161.427**	**27.9**	**345.061**	**39.0**	**27.459**	**0.936**	**1.606**	**59.8**	**1.859**	**33.0**	**3.220**	**2.308**	**35.6**	**3.961**	**BF and EF exceed limits NG**
963449.9	**15420023.6**	**1654.8**	**308.992**	**192.141**	**31.9**	**363.860**	**44.5**	**28.955**	**0.661**	**1.594**	**67.5**	**1.726**	**38.8**	**2.334**	**2.695**	**49.1**	**3.565**	**BF and EF exceed limits NG**
963446.5	**15420020.0**	**1655.2**	**303.467**	**221.687**	**36.1**	**375.816**	**47.0**	**29.906**	**1.204**	**1.287**	**46.9**	**1.762**	**34.3**	**1.320**	**2.773**	**64.5**	**3.071**	**BF and EF exceed limits NG**
963443.0	**15420016.3**	**1655.5**	**291.748**	**245.046**	**40.0**	**381.005**	**44.9**	**30.319**	**1.797**	**0.739**	**22.3**	**1.943**	**30.9**	**0.352**	**2.397**	**81.6**	**2.423**	**BF and EF exceed limits NG**
963439.6	**15420012.7**	**1655.9**	**277.512**	**258.183**	**42.9**	**379.040**	**39.4**	**30.163**	**2.232**	**0.738**	**18.3**	**2.351**	**24.5**	**-0.486**	**1.574**	**-72.8**	**1.647**	**BF and EF exceed limits NG**
963436.1	**15420009.1**	**1656.2**	**260.981**	**257.275**	**44.6**	**366.472**	**32.7**	**29.163**	**2.482**	**1.489**	**31.0**	**2.894**	**16.1**	**-1.113**	**0.502**	**-24.3**	**1.221**	**BF and EF exceed limits NG**
963432.7	**15420005.4**	**1656.5**	**241.251**	**242.774**	**45.2**	**342.259**	**26.6**	**27.236**	**2.537**	**2.114**	**39.8**	**3.302**	**10.1**	**-1.529**	**-0.515**	**18.6**	**1.613**	**BF and EF exceed limits NG**
963429.2	**15420001.8**	**1656.8**	**217.122**	**217.410**	**45.0**	**307.261**	**21.5**	**24.451**	**2.402**	**2.377**	**44.7**	**3.379**	**6.3**	**-1.723**	**-1.243**	**35.8**	**2.125**	**BF and EF exceed limits NG**
963425.8	**15419998.2**	**1657.1**	**189.787**	**186.306**	**44.5**	**265.950**	**17.4**	**21.164**	**2.126**	**2.300**	**47.3**	**3.132**	**4.0**	**-1.712**	**-1.594**	**43.0**	**2.339**	**BF and EF exceed limits NG**
963422.4	**15419994.6**	**1657.4**	**162.348**	**155.139**	**43.7**	**224.555**	**14.2**	**17.870**	**1.790**	**2.022**	**48.5**	**2.701**	**2.6**	**-1.562**	**-1.646**	**46.5**	**2.269**	**BF and EF exceed limits NG**
963418.9	**15419990.9**	**1657.7**	**137.416**	**127.531**	**42.9**	**187.476**	**11.7**	**14.919**	**1.463**	**1.683**	**49.0**	**2.230**	**1.8**	**-1.351**	**-1.527**	**48.5**	**2.039**	**EF exceeds limit NG**
963415.5	**15419987.3**	**1658.0**	**116.136**	**104.700**	**42.0**	**156.363**	**9.7**	**12.443**	**1.178**	**1.362**	**49.1**	**1.801**	**1.3**	**-1.131**	**-1.343**	**49.9**	**1.756**	**EF exceeds limit NG**
963412.0	15419983.7	1658.4	98.605	86.493	41.3	131.164	8.1	10.438	0.946	1.092	49.1	1.444	0.9	-0.939	-1.160	51.0	1.493	
963408.6	15419980.1	1658.8	84.317	72.107	40.5	110.945	6.8	8.829	0.761	0.874	49.0	1.159	0.7	-0.778	-0.998	52.0	1.265	
963405.2	15419976.4	1659.1	72.648	60.692	39.9	94.664	5.8	7.533	0.616	0.704	48.8	0.935	0.6	-0.639	-0.853	53.2	1.065	
963401.7	15419972.8	1659.3	63.003	51.503	39.3	81.375	5.0	6.476	0.503	0.571	48.6	0.761	0.5	-0.500	-0.705	54.6	0.864	
963398.3	15419969.2	1659.5	55.068	44.133	38.7	70.571	4.4	5.616	0.414	0.468	48.5	0.625	0.5	-0.384	-0.579	56.5	0.695	
963394.8	15419965.5	1659.6	48.496	38.173	38.2	61.718	3.9	4.911	0.343	0.387	48.4	0.518	0.5	-0.288	-0.476	58.8	0.556	
963391.4	15419961.9	1659.7	43.017	33.311	37.8	54.406	3.4	4.330	0.287	0.324	48.4	0.433	0.5	-0.211	-0.393	61.7	0.447	
963388.0	15419958.3	1659.8	38.409	29.304	37.3	48.311	3.1	3.844	0.242	0.273	48.4	0.365	0.5	-0.151	-0.328	65.3	0.361	
963384.5	15419954.7	1659.9	34.501	25.969	37.0	43.182	2.7	3.436	0.205	0.232	48.5	0.310	0.5	-0.104	-0.276	69.4	0.295	
963381.1	15419951.0	1660.0	31.160	23.166	36.6	38.827	2.5	3.090	0.176	0.199	48.6	0.265	0.5	-0.066	-0.234	74.3	0.243	
963377.6	15419947.4	1660.1	28.281	20.788	36.3	35.100	2.2	2.793	0.151	0.172	48.7	0.229	0.5	-0.035	-0.200	80.0	0.203	
963374.2	15419943.8	1660.2	25.786	18.757	36.0	31.886	2.0	2.537	0.130	0.149	48.9	0.198	0.5	-0.011	-0.172	86.4	0.173	
963370.7	15419940.2	1660.3	23.608	17.009	35.8	29.097	1.8	2.315	0.113	0.131	49.1	0.173	0.6	0.009	-0.150	-86.7	0.150	
963367.3	15419936.5	1660.3	21.693	15.490	35.5	26.655	1.7	2.121	0.099	0.115	49.4	0.152	0.7	0.026	-0.129	-78.5	0.131	
963363.9	15419932.9	1660.2	19.996	14.160	35.3	24.502	1.6	1.950	0.087	0.102	49.7	0.134	0.8	0.043	-0.107	-68.1	0.116	
963360.4	15419929.3	1660.1	18.490	12.992	35.1	22.598	1.4	1.798	0.076	0.091	50.0	0.119	0.9	0.058	-0.088	-56.5	0.106	
963357.0	15419925.6	1659.9	17.150	11.963	34.9	20.910	1.3	1.664	0.067	0.081	50.3	0.106	1.1	0.071	-0.072	-45.4	0.101	
963353.5	15419922.0	1659.7	15.951	11.052	34.7	19.406	1.2	1.544	0.060	0.073	50.7	0.095	1.2	0.081	-0.057	-35.3	0.099	
963350.1	15419918.4	1659.5	14.876	10.243	34.5	18.061	1.2	1.437	0.053	0.066	51.1	0.085	1.4	0.089	-0.046	-27.1	0.100	
963346.7	15419914.8	1659.3	13.908	9.520	34.4	16.854	1.1	1.341	0.048	0.060	51.5	0.076	1.6	0.095	-0.036	-20.5	0.101	
963343.2	15419911.1	1659.1	13.034	8.873	34.2	15.768	1.0	1.255	0.043	0.054	51.9	0.069	1.8	0.099	-0.028	-15.8	0.103	
963339.8	15419907.5	1659.0	12.242	8.291	34.1	14.786	1.0	1.177	0.038	0.050	52.4	0.063	2.1	0.101	-0.022	-12.1	0.104	
963336.3	15419903.9	1658.8	11.522	7.765	34.0	13.894	0.9	1.106	0.034	0.045	52.8	0.057	2.3	0.103	-0.016	-9.0	0.105	
963332.9	15419900.3	1658.7	10.864	7.288	33.9	13.082	0.8	1.041	0.031	0.042	53.3	0.052	2.5	0.105	-0.012	-6.4	0.105	
963329.4	15419896.6	1658.5	10.262	6.855	33.7	12.341	0.8	0.982	0.028	0.038	53.8	0.047	2.8	0.105	-0.008	-4.3	0.105	
963326.0	15419893.0	1658.4	9.711	6.460	33.6	11.663	0.7	0.928	0.025	0.035	54.3	0.043	3.0	0.105	-0.005	-2.7	0.105	

Critical Energy/Electric Infrastructure Information (CEII) Has Been Redacted From This Document

PLS-CADD Version 20.01x64 11:17:27 AM Friday, February 28, 2025
Quanta Services - Dashiell
Project Name: 'C:\projects\L68\0026-0068-700 REV 0-0E PLS CADD MODEL.don'
Line Title: 'PROPOSED L723 AND EXISTING L68 MERGED'

3D EMF Calculation Notes:
1) Calculations based on the EPRI Red Book methods (3rd Edition, 2005 - 7.4 Calculation of Magnetic Fields and Appendices 7.1 Calculation of Field Ellipse Parameters and 7.6 Electric Field Calculations for 3D Geometry).
2) All wire positions are modeled at the specified weather case and wind direction. Height above ground determined by the modeled ground TIN.
3) Only the effects of wires are being analyzed. The effects of structures are not included unless enabled as noted below.
4) Ground return is being ignored for magnetic field calculations.

Meter height above ground:	3.28	(ft)
Maximum wire distance:	500.00	(ft)
Maximum cable segment size:	5.00	(ft)
Cross section offset +/-:	175.00	(ft)
Result interval:	5.00	(ft)
Electric field limit:	1.60	(kV/m)
Magnetic field limit:	200.00	(mG)
Space potential limit:	0.00	(kV)
Contour Map Spacing:	15	(ft)
Analyzing spans between these structures:	Undefined (#82 in line) - Undefined (#83 in line)	

One or more sections have wind from both directions which is not supported. A wind direction of left is being used for those sections.

Section Data for 3D EMF Results:

Section Number	Section Note	Voltage Ph-Ph (kV)	Current (Amps)	Cable Filename	Cable Description	Conductors Per Phase	Bundle Diameter (in)	Cable Radius (in)	Weather Case	Condition	Wind Dir.	WC Temperature (deg F)	Effective Radius (in)
32		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.217
50		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.217
67		230.0	[redacted]	ortolan_acsr.wir	1033.5 kcmil 45/7 Strands ORTOLAN ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.606	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.606

Centerline results between structures Undefined (#82 in line) and Undefined (#83 in line)

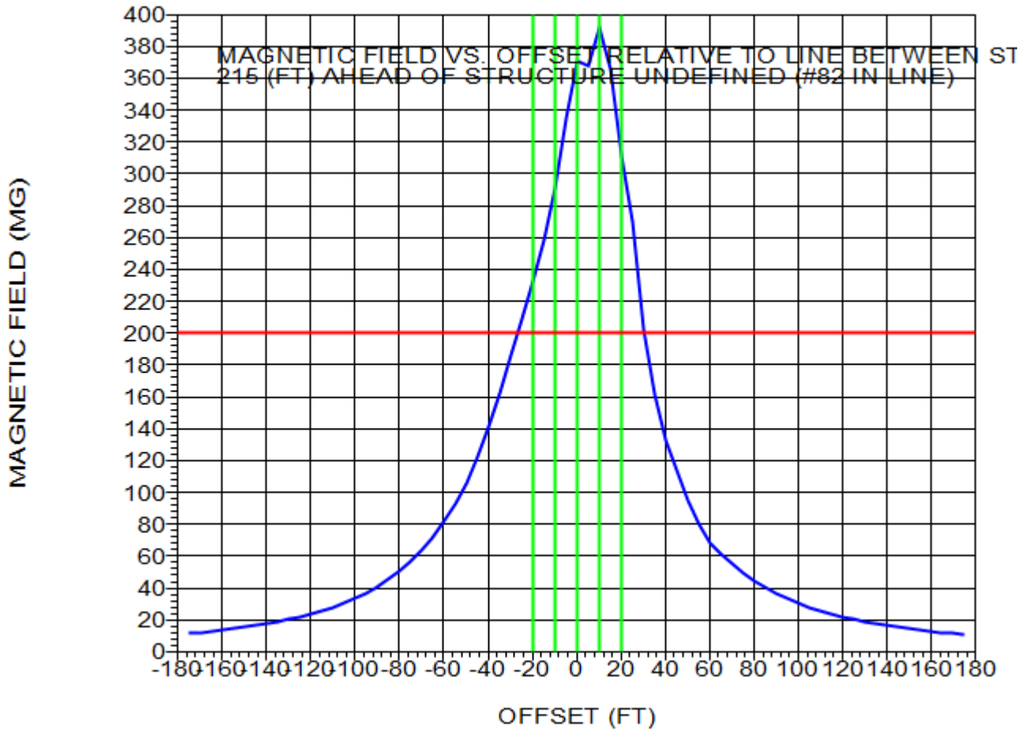
3D EMF Point Results Centerline from Undefined (#82 in line) to Undefined (#83 in line):

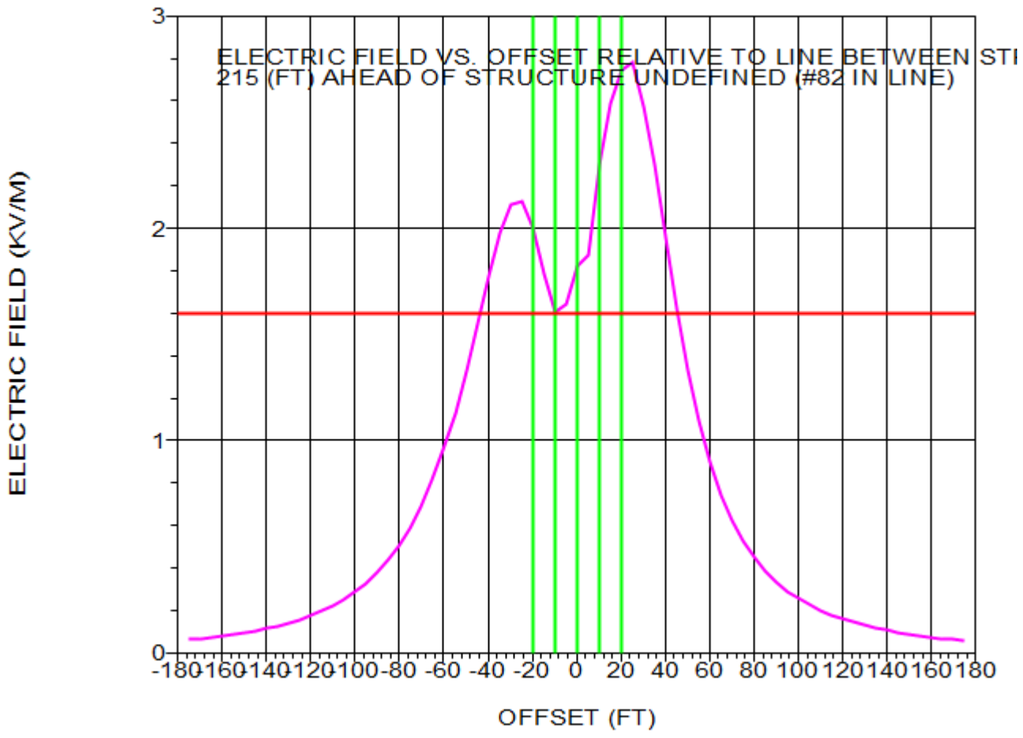
Measurement X (ft)	Measurement Y (ft)	Measurement Z (ft)	B Real (mG)	B Imaginary (mG)	B Angle (deg)	B Magnitude (mG)	B Polarization Axial Ratio %	H Magnitude (A/m)	EF Real (kV/m)	EF Imaginary (kV/m)	EF Angle (deg)	EF Magnitude (kV/m)	EF Polarization Axial Ratio %	Space Potential Real (kV)	Space Potential Imaginary (kV)	Space Potential Angle (deg)	Space Potential Magnitude (kV)	
1001983.4	**15387041.8**	**1480.5**	**203.759**	**135.158**	**33.6**	**244.510**	**34.9**	**19.458**	**0.439**	**0.509**	**49.2**	**0.673**	**46.4**	**0.101**	**2.033**	**87.1**	**2.035**	**BF exceeds limit NG**
1001987.4	**15387038.8**	**1481.4**	**207.941**	**138.260**	**33.6**	**249.710**	**35.4**	**19.871**	**0.478**	**0.536**	**48.3**	**0.718**	**57.6**	**-0.020**	**1.929**	**-89.4**	**1.929**	**BF exceeds limit NG**
1001991.4	**15387035.8**	**1481.7**	**208.669**	**138.725**	**33.6**	**250.574**	**35.4**	**19.940**	**0.487**	**0.558**	**48.9**	**0.740**	**60.7**	**-0.089**	**1.771**	**-87.1**	**1.773**	**BF exceeds limit NG**
1001995.4	**15387032.8**	**1481.6**	**206.007**	**136.606**	**33.5**	**247.184**	**35.1**	**19.670**	**0.464**	**0.572**	**50.9**	**0.737**	**56.4**	**-0.111**	**1.552**	**-85.9**	**1.556**	**BF exceeds limit NG**
1001999.4	**15387029.9**	**1481.6**	**205.834**	**136.407**	**33.5**	**246.930**	**35.1**	**19.650**	**0.460**	**0.598**	**52.4**	**0.754**	**55.0**	**-0.166**	**1.366**	**-83.1**	**1.376**	**BF exceeds limit NG**
1002003.5	**15387026.9**	**1481.7**	**207.154**	**137.359**	**33.5**	**248.557**	**35.2**	**19.780**	**0.467**	**0.630**	**53.5**	**0.784**	**55.3**	**-0.241**	**1.201**	**-78.6**	**1.225**	**BF exceeds limit NG**
1002007.5	**15387023.9**	**1482.5**	**215.674**	**143.867**	**33.7**	**259.255**	**36.2**	**20.631**	**0.535**	**0.689**	**52.2**	**0.872**	**65.7**	**-0.410**	**1.177**	**-70.8**	**1.246**	**BF exceeds limit NG**
1002011.5	**15387020.9**	**1482.5**	**216.533**	**144.483**	**33.7**	**260.312**	**36.2**	**20.715**	**0.539**	**0.719**	**53.1**	**0.899**	**65.0**	**-0.488**	**1.011**	**-64.2**	**1.123**	**BF exceeds limit NG**
1002015.5	**15387017.9**	**1482.9**	**221.980**	**148.678**	**33.8**	**267.171**	**36.8**	**21.261**	**0.587**	**0.764**	**52.5**	**0.963**	**70.8**	**-0.630**	**0.955**	**-56.6**	**1.144**	**BF exceeds limit NG**
1002019.5	**15387014.9**	**1483.3**	**227.498**	**152.966**	**33.9**	**274.142**	**37.4**	**21.816**	**0.639**	**0.805**	**51.5**	**1.028**	**76.8**	**-0.780**	**0.928**	**-49.9**	**1.212**	**BF exceeds limit NG**
1002023.5	**15387011.9**	**1484.9**	**247.556**	**168.988**	**34.3**	**299.735**	**39.7**	**23.852**	**0.828**	**0.915**	**47.8**	**1.234**	**88.7**	**-1.093**	**1.241**	**-48.6**	**1.654**	**BF exceeds limit NG**
1002027.5	**15387008.9**	**1484.5**	**245.017**	**166.876**	**34.3**	**296.447**	**39.4**	**23.591**	**0.819**	**0.907**	**47.9**	**1.222**	**86.8**	**-1.166**	**1.116**	**-43.7**	**1.614**	**BF exceeds limit NG**
1002031.5	**15387005.9**	**1482.4**	**223.862**	**149.975**	**33.8**	**269.457**	**37.0**	**21.443**	**0.646**	**0.799**	**51.1**	**1.028**	**80.7**	**-1.066**	**0.631**	**-30.6**	**1.238**	**BF exceeds limit NG**
1002035.5	**15387002.9**	**1479.7**	**199.697**	**131.364**	**33.3**	**239.030**	**34.3**	**19.021**	**0.447**	**0.685**	**56.9**	**0.818**	**63.3**	**-0.962**	**0.105**	**-6.2**	**0.968**	**BF exceeds limit NG**
1002039.5	**15386999.9**	**1476.4**	**174.337**	**112.571**	**32.9**	**207.522**	**31.4**	**16.514**	**0.251**	**0.584**	**66.7**	**0.635**	**33.0**	**-0.875**	**-0.425**	**25.9**	**0.973**	**BF exceeds limit NG**
1002043.5	15386996.9	1473.1	152.478	96.935	32.4	180.681	28.8	14.378	0.168	0.512	71.8	0.538	7.9	-0.841	-0.845	45.1	1.192	
1002047.5	15386994.0	1469.9	135.332	85.012	32.1	159.819	26.8	12.718	0.228	0.456	63.4	0.510	38.9	-0.850	-1.116	52.7	1.402	
1002051.5	15386991.0	1467.3	122.972	76.594	31.9	144.875	25.3	11.529	0.297	0.406	53.8	0.503	68.8	-0.876	-1.250	55.0	1.527	
1002055.5	15386988.0	1466.4	119.678	74.366	31.9	140.901	24.9	11.213	0.267	0.351	52.7	0.441	70.9	-0.928	-1.179	51.8	1.501	
1002059.5	15386985.0	1466.1	119.070	73.946	31.8	140.163	24.8	11.154	0.223	0.321	55.2	0.391	60.3	-0.965	-1.112	49.0	1.472	
1002063.5	15386982.0	1466.3	120.152	74.659	31.9	141.458	25.0	11.257	0.181	0.320	60.4	0.368	43.2	-0.993	-1.081	47.4	1.467	
1002067.6	15386979.0	1466.4	121.218	75.363	31.9	142.735	25.1	11.359	0.160	0.341	64.9	0.376	32.0	-1.012	-1.119	47.9	1.509	

1002071.6	15386976.0	1466.5	122.267	76.056	31.9	143.992	25.2	11.459	0.154	0.376	67.8	0.406	27.3	-1.030	-1.219	49.8	1.595	
1002075.6	15386973.0	1466.7	123.587	76.934	31.9	145.577	25.4	11.585	0.158	0.422	69.5	0.451	26.2	-1.048	-1.368	52.5	1.724	
1002079.6	15386970.0	1467.5	127.781	79.755	32.0	150.628	25.9	11.987	0.147	0.475	72.8	0.497	20.2	-1.080	-1.494	54.1	1.843	
1002083.6	15386967.0	1469.6	139.065	87.446	32.2	164.274	27.2	13.072	0.118	0.533	77.5	0.546	10.6	-1.138	-1.463	52.1	1.854	
1002087.6	15386964.0	1471.9	153.373	97.374	32.4	181.672	28.9	14.457	0.177	0.602	73.6	0.627	25.7	-1.191	-1.362	48.8	1.809	
1002091.6	15386961.1	1473.7	165.131	105.680	32.6	196.052	30.2	15.601	0.251	0.668	69.4	0.714	35.8	-1.208	-1.321	47.6	1.790	
1002095.6	**15386958.1**	**1475.1**	**175.830**	**113.357**	**32.8**	**209.203**	**31.4**	**16.648**	**0.322**	**0.733**	**66.3**	**0.801**	**42.7**	**-1.194**	**-1.295**	**47.3**	**1.761**	**BF exceeds limit NG**
1002099.6	**15386955.1**	**1475.2**	**177.199**	**114.334**	**32.8**	**210.883**	**31.6**	**16.782**	**0.310**	**0.772**	**68.1**	**0.832**	**37.1**	**-1.094**	**-1.503**	**54.0**	**1.859**	**BF exceeds limit NG**
1002103.6	**15386952.1**	**1475.4**	**179.459**	**115.961**	**32.9**	**213.665**	**31.8**	**17.003**	**0.317**	**0.812**	**68.7**	**0.872**	**33.4**	**-0.960**	**-1.677**	**60.2**	**1.932**	**BF exceeds limit NG**
1002107.6	**15386949.1**	**1477.7**	**198.702**	**130.157**	**33.2**	**237.536**	**34.0**	**18.903**	**0.475**	**0.883**	**61.8**	**1.003**	**50.9**	**-0.929**	**-1.314**	**54.7**	**1.610**	**BF exceeds limit NG**
1002111.6	**15386946.1**	**1480.6**	**227.800**	**152.426**	**33.8**	**274.092**	**37.3**	**21.812**	**0.720**	**0.999**	**54.2**	**1.231**	**71.9**	**-0.990**	**-0.655**	**33.5**	**1.187**	**BF exceeds limit NG**
1002115.6	**15386943.1**	**1481.5**	**237.060**	**159.710**	**34.0**	**285.840**	**38.3**	**22.746**	**0.789**	**1.041**	**52.8**	**1.306**	**75.3**	**-0.878**	**-0.487**	**29.0**	**1.004**	**BF exceeds limit NG**
1002119.6	**15386940.1**	**1480.6**	**227.870**	**152.438**	**33.8**	**274.157**	**37.3**	**21.817**	**0.700**	**1.000**	**55.0**	**1.220**	**65.9**	**-0.561**	**-0.763**	**53.7**	**0.947**	**BF exceeds limit NG**
1002123.6	**15386937.1**	**1480.8**	**229.981**	**154.074**	**33.8**	**276.822**	**37.5**	**22.029**	**0.712**	**1.000**	**54.6**	**1.227**	**64.2**	**-0.333**	**-0.698**	**64.5**	**0.773**	**BF exceeds limit NG**
1002127.7	**15386934.1**	**1480.5**	**226.141**	**151.049**	**33.7**	**271.947**	**37.1**	**21.641**	**0.678**	**0.976**	**55.2**	**1.189**	**56.8**	**-0.008**	**-0.761**	**89.4**	**0.761**	**BF exceeds limit NG**
1002131.7	**15386931.1**	**1480.6**	**227.126**	**151.800**	**33.8**	**273.184**	**37.2**	**21.739**	**0.690**	**0.970**	**54.6**	**1.190**	**52.8**	**0.292**	**-0.667**	**-66.4**	**0.728**	**BF exceeds limit NG**
1002135.7	**15386928.1**	**1481.0**	**231.396**	**155.132**	**33.8**	**278.586**	**37.6**	**22.169**	**0.732**	**0.977**	**53.2**	**1.221**	**50.7**	**0.576**	**-0.470**	**-39.2**	**0.744**	**BF exceeds limit NG**
1002139.7	**15386925.2**	**1481.2**	**233.319**	**156.630**	**33.9**	**281.018**	**37.8**	**22.363**	**0.763**	**0.985**	**52.2**	**1.246**	**45.4**	**0.923**	**-0.336**	**-20.0**	**0.982**	**BF exceeds limit NG**
1002143.7	**15386922.2**	**1481.0**	**231.283**	**155.010**	**33.8**	**278.424**	**37.6**	**22.156**	**0.776**	**0.994**	**52.0**	**1.261**	**36.0**	**1.364**	**-0.312**	**-12.9**	**1.399**	**BF exceeds limit NG**
1002147.7	**15386919.2**	**1482.8**	**250.701**	**170.500**	**34.2**	**303.186**	**39.8**	**24.127**	**0.920**	**1.054**	**48.9**	**1.400**	**43.7**	**1.408**	**0.304**	**12.2**	**1.440**	**BF exceeds limit NG**
1002151.7	**15386916.2**	**1485.4**	**284.941**	**199.029**	**34.9**	**347.568**	**43.7**	**27.659**	**1.176**	**1.184**	**45.2**	**1.669**	**59.4**	**1.116**	**1.278**	**48.9**	**1.697**	**BF and EF exceed limits NG**
1002155.7	**15386913.2**	**1486.7**	**302.888**	**214.630**	**35.3**	**371.224**	**45.8**	**29.541**	**1.315**	**1.264**	**43.9**	**1.824**	**63.3**	**1.052**	**1.835**	**60.2**	**2.115**	**BF and EF exceed limits NG**
1002159.7	**15386910.2**	**1486.1**	**293.449**	**206.336**	**35.1**	**358.730**	**44.7**	**28.547**	**1.241**	**1.203**	**44.1**	**1.728**	**54.8**	**1.432**	**1.753**	**50.8**	**2.264**	**BF and EF exceed limits NG**
1002163.7	**15386907.2**	**1486.6**	**298.871**	**211.054**	**35.2**	**365.879**	**45.3**	**29.116**	**1.275**	**1.212**	**43.5**	**1.759**	**55.5**	**1.451**	**2.030**	**54.4**	**2.495**	**BF and EF exceed limits NG**
1002167.7	**15386904.2**	**1485.8**	**286.819**	**200.571**	**35.0**	**349.991**	**43.9**	**27.851**	**1.175**	**1.139**	**44.1**	**1.637**	**47.9**	**1.738**	**1.904**	**47.6**	**2.578**	**BF and EF exceed limits NG**
1002171.7	**15386901.2**	**1485.2**	**276.520**	**191.781**	**34.7**	**336.516**	**42.7**	**26.779**	**1.087**	**1.081**	**44.8**	**1.533**	**42.4**	**1.909**	**1.811**	**43.5**	**2.632**	**BF exceeds limit NG**
1002175.7	**15386898.2**	**1485.3**	**276.030**	**191.355**	**34.7**	**335.870**	**42.7**	**26.728**	**1.067**	**1.062**	**44.9**	**1.506**	**45.4**	**1.791**	**1.916**	**46.9**	**2.623**	**BF exceeds limit NG**
1002179.7	**15386895.2**	**1485.3**	**274.149**	**189.759**	**34.7**	**333.416**	**42.5**	**26.532**	**1.037**	**1.043**	**45.2**	**1.471**	**49.1**	**1.631**	**1.953**	**50.1**	**2.544**	**BF exceeds limit NG**
1002183.7	**15386892.3**	**1483.8**	**252.891**	**172.172**	**34.2**	**305.936**	**40.0**	**24.346**	**0.871**	**0.963**	**47.9**	**1.299**	**40.3**	**1.788**	**1.534**	**40.6**	**2.356**	**BF exceeds limit NG**
1002187.7	**15386889.3**	**1482.8**	**239.622**	**161.495**	**34.0**	**288.963**	**38.5**	**22.995**	**0.766**	**0.919**	**50.2**	**1.196**	**37.5**	**1.728**	**1.248**	**35.8**	**2.131**	**BF exceeds limit NG**
1002191.8	**15386886.3**	**1483.2**	**242.776**	**164.006**	**34.0**	**292.982**	**38.9**	**23.315**	**0.764**	**0.911**	**50.0**	**1.189**	**46.7**	**1.326**	**1.294**	**44.3**	**1.853**	**BF exceeds limit NG**
1002195.8	**15386883.3**	**1482.8**	**236.653**	**159.130**	**33.9**	**285.179**	**38.2**	**22.694**	**0.705**	**0.883**	**51.4**	**1.130**	**48.4**	**1.089**	**1.114**	**45.7**	**1.558**	**BF exceeds limit NG**
1002199.8	**15386880.3**	**1482.6**	**231.947**	**155.414**	**33.8**	**279.200**	**37.7**	**22.218**	**0.658**	**0.860**	**52.6**	**1.083**	**50.5**	**0.828**	**0.955**	**49.1**	**1.264**	**BF exceeds limit NG**
1002203.8	**15386877.3**	**1482.6**	**230.700**	**154.435**	**33.8**	**277.620**	**37.5**	**22.092**	**0.639**	**0.849**	**53.0**	**1.063**	**55.4**	**0.528**	**0.871**	**58.8**	**1.019**	**BF exceeds limit NG**
1002207.8	**15386874.3**	**1482.9**	**231.213**	**154.837**	**33.8**	**278.269**	**37.6**	**22.144**	**0.641**	**0.845**	**52.8**	**1.061**	**62.1**	**0.229**	**0.831**	**74.6**	**0.862**	**BF exceeds limit NG**
1002211.8	**15386871.3**	**1482.2**	**221.707**	**147.429**	**33.6**	**266.251**	**36.5**	**21.188**	**0.564**	**0.803**	**54.9**	**0.981**	**58.2**	**0.080**	**0.579**	**82.1**	**0.584**	**BF exceeds limit NG**
1002215.8	**15386868.3**	**1480.6**	**204.674**	**134.424**	**33.3**	**244.870**	**34.6**	**19.486**	**0.427**	**0.738**	**59.9**	**0.852**	**43.5**	**0.032**	**0.162**	**78.9**	**0.165**	**BF exceeds limit NG**
1002219.8	**15386865.3**	**1479.8**	**195.227**	**127.356**	**33.1**	**233.095**	**33.5**	**18.549**	**0.354**	**0.699**	**63.2**	**0.784**	**35.8**	**-0.090**	**-0.076**	**40.3**	**0.117**	**BF exceeds limit NG**
1002223.8	**15386862.3**	**1479.4**	**190.012**	**123.499**	**33.0**	**226.620**	**32.9**	**18.034**	**0.315**	**0.673**	**64.9**	**0.743**	**33.0**	**-0.230**	**-0.208**	**42.1**	**0.310**	**BF exceeds limit NG**
1002227.8	**15386859.3**	**1479.2**	**186.777**	**121.122**	**33.0**	**222.612**	**32.6**	**17.715**	**0.296**	**0.655**	**65.7**	**0.719**	**32.6**	**-0.357**	**-0.290**	**39.1**	**0.460**	**BF exceeds limit NG**
1002231.8	**15386856.4**	**1478.9**	**182.095**	**117.702**	**32.9**	**216.823**	**32.1**	**17.254**	**0.271**	**0.636**	**66.9**	**0.691**	**29.3**	**-0.437**	**-0.409**	**43.1**	**0.598**	**BF exceeds limit NG**
1002235.8	**15386853.4**	**1480.0**	**188.995**	**122.763**	**33.0**	**225.366**	**32.8**	**17.934**	**0.344**	**0.651**	**62.1**	**0.736**	**45.6**	**-0.592**	**-0.258**	**23.5**	**0.646**	**BF exceeds limit NG**
1002239.8	**15386850.4**	**1480.1**	**188.132**	**122.135**	**33.0**	**224.300**	**32.7**	**17.849**	**0.354**	**0.645**	**61.3**	**0.736**	**48.1**	**-0.653**	**-0.291**	**24.0**	**0.715**	**BF exceeds limit NG**
1002243.8	**15386847.4**	**1480.1**	**185.575**	**120.264**	**32.9**	**221.137**	**32.5**	**17.598**	**0.347**	**0.635**	**61.3**	**0.724**	**47.4**	**-0.681**	**-0.365**	**28.2**	**0.773**	**BF exceeds limit NG**
1002247.8	**15386844.4**	**1480.2**	**184.152**	**119.230**	**32.9**	**219.380**	**32.3**	**17.458**	**0.349**	**0.629**	**60.9**	**0.719**	**48.1**	**-0.707**	**-0.416**	**30.5**	**0.820**	**BF exceeds limit NG**
1002251.9	**15386841.4**	**1480.3**	**183.056**	**118.438**	**32.9**	**218.030**	**32.2**	**17.350**	**0.352**	**0.625**	**60.6**	**0.717**	**48.8**	**-0.730**	**-0.464**	**32.5**	**0.865**	**BF exceeds limit NG**
1002255.9	**15386838.4**	**1480.4**	**181.425**	**117.257**	**32.9**	**216.019**	**32.0**	**17.190**	**0.348**	**0.620**	**60.7**	**0.711**	**48.2**	**-0.745**	**-0.531**	**35.5**	**0.915**	**BF exceeds limit NG**
1002259.9	**15386835.4**	**1480.5**	**180.116**	**116.314**	**32.9**	**214.407**	**31.8**	**17.062**	**0.345**	**0.619**	**60.9**	**0.709**	**47.7**	**-0.764**	**-0.596**	**38.0**	**0.970**	**BF exceeds limit NG**
1002263.9	**15386832.4**	**1480.8**	**180.416**	**116.543**	**32.9**	**214.784**	**31.9**	**17.092**	**0.353**	**0.625**	**60.5**	**0.718**	**49.5**	**-0.803**	**-0.632**	**38.2**	**1.022**	**BF exceeds limit NG**
1002267.9	**15386829.4**	**1480.9**	**178.318**	**115.030**	**32.8**	**212.201**	**31.6**	**16.886**	**0.338**	**0.624**	**61.5**	**0.710**	**46.9**	**-0.826**	**-0.729**	**41.4**	**1.102**	**BF exceeds limit NG**
1002271.9	**15386826.4**	**1481.8**	**183.262**	**118.641**	**32.9**	**218.313**	**32.2**	**17.373**	**0.382**	**0.647**	**59.4**	**0.752**	**55.1**	**-0.922**	**-0.664**	**35.8**	**1.136**	**BF exceeds limit NG**
1002275.9	**15386823.4**	**1482.0**	**182.183**	**117.867**	**32.9**	**216.987**	**32.1**	**17.267**	**0.371**	**0.650**	**60.3**	**0.748**	**53.4**	**-0.973**	**-0.741**	**37.3**	**1.222**	**BF exceeds limit NG**
1002279.9	**15386820.5**	**1482.2**	**181.424**	**117.327**	**32.9**	**216.056**	**32.0**	**17.193**	**0.359**	**0.653**	**61.2**	**0.745**	**51.8**	**-1.036**	**-0.808**	**38.0**	**1.314**	**BF exceeds limit NG**
1002283.9	**15386817.5**	**1482.5**	**181.127**	**117.125**	**32.9**	**215.697**	**32.0**	**17.165**	**0.347**	**0.656**	**62.1**	**0.742**	**50.3**	**-1.112**	**-0.862**	**37.8**	**1.407**	**BF exceeds limit NG**
1002287.9	**15386814.5**	**1482.5**	**178.467**	**115.205**	**32.8**	**212.421**	**31.7**	**16.904**	**0.310**	**0.651**	**64.5**	**0.721**	**44.8**	**-1.178**	**-0.969**	**39.4**	**1.526**	**BF exceeds limit NG**
1002291.9	**15386811.5**	**1482.9**	**178.924**	**115.554**	**32.9**	**212.994**	**31.7**	**16.950**	**0.298**	**0.655**	**65.5**	**0.719**	**43.3**	**-1.274**	**-0.996**	**38.0**	**1.617**	**BF exceeds limit NG**
1002295.9	**15386808.5**	**1483.2**	**177.975**	**114.883**	**32.8**	**211.833**	**31.6**	**16.857**	**0.268**	**0.654**	**67.7**	**0.707**	**39.0**	**-1.359**	**-1.052**	**37.7**	**1.719**	**BF exceeds limit NG**
1002299.9	**15386805.5**	**1483.8**	**179.755**	**116.195**	**32.9**	**214.041**	**31.8**	**17.033**	**0.263**	**0.662**	**68.3**	**0.712**	**38.4**	**-1.456**	**-1.035**	**35.4**	**1.786**	**BF exceeds limit NG**
1002303.9	**15386802.5**	**1484.9**	**186.016**	**120.794**	**33.0**	**221.795**	**32.6**	**17.650**	**0.305**	**0.684**	**65.9**	**0.749**	**44.4**	**-1.561**	**-0.896**	**29.9**	**1.800**	**BF exceeds limit NG**
1002307.9	**15386799.5**	**1483.6**	**172.718**	**111.138**	**32.8**	**205.385**	**31.1**	**16.344**	**0.160**	**0.648**	**76.1**	**0.667**	**20.3**	**-1.537**	**-1.249**	**39.1**	**1.981**	**BF exceeds limit NG**
1002311.9	**15386796.5**	**1484.6**	**177.401**	**114.546**	**32.9**	**211.168**	**31.6**	**16.804**	**0.196**	**0.660**	**73.5**	**0.688**	**26.9**	**-1.581**	**-1.117**	**35.3**	**1.936**	**BF exceeds limit NG**
1002316.0	**15386793.5**	**1487.9**	**201.504**	**132.382**	**33.3**	**241.099**	**34.3**	**19.186**	**0.435**	**0.736**	**59.4**	**0.855**	**58.8**	**-1.693**	**-0.490**	**16.1**	**1.763**	**BF exceeds limit NG**
1002320.0	**15386790.5**	**1488.8**	**206.145**	**135.915**	**33.4**	**246.918**	**34.8**	**19.649**	**0.484**	**0.747**	**57.1**	**0.890**	**64.3**	**-1.682**	**-0.335**	**11.3**	**1.715**	**BF exceeds limit NG**
1002324.0	**15386787.6**	**1488.8**	**202.999**	**133.568**	**33.3**	**243.000**	**34.5**	**19.337**	**0.462**	**0.722**	**57.4**	**0.857**	**63.9**	**-1.605**	**-0.342**	**12.0**	**1.641**	**BF exceeds limit NG**
1002328.0	**15386784.6**	**1488.8**	**200.082**	**131.403**	**33.3**	**239.373**	**34.2**	**19.049**	**0.447**	**0.695**	**57.3**	**0.826**	**64.3**	**-1.511**	**-0.328**	**12.2**	**1.546**	**BF exceeds limit NG**
1002332.0	**15386781.6**	**1488.9**	**197.423**	**129.441**	**33.3**	**236.074**	**33.9**	**18.786**	**0.437**	**0.667**	**56.8**	**0.797**	**65.1**	**-1.407**	**-0.296**	**11.9**	**1.437**	**BF exceeds limit NG**
1002336.0	**15386778.6**	**1488.9**	**195.109**	**127.740**	**33.2**	**233.206**	**33.6**	**18.558**	**0.430**	**0.640**	**56.1**	**0.771**	**66.2**	**-1.299**	**-0.252**	**11.0**	**1.323**	**BF exceeds limit NG**
1002340.0	**15386775.6**	**1488.9**	**193.090**	**126.261**	**33.2**	**230.706**	**33.4**	**18.359**	**0.426**	**0.616**	**55.3**	**0.748**	**67.2**	**-1.195**	**-0.202**	**9.6**	**1.212**	**BF exceeds limit NG**
1002344.0	**15386772.6**	**1488.3**	**186.651**	**121.511**	**33.1**	**222.719**	**32.7**	**17.723**	**0.380**	**0.577**	**56.6**	**0.691**	**60.1**	**-1.059**	**-0.253**	**13.4**	**1.089**	**BF exceeds limit NG**
1002348.0	**15386769.6**	**1488.2**	**184.514**	**119.946**	**33.0**	**220.074**	**32.5**	**17.513**	**0.371**	**0.558**	**56.4**	**0.670**	**57.8**	**-0.964**	**-0.224**	**13.1**	**0.989**	**BF exceeds limit NG**

Max EF along centerline is 1.824 (kV/m) at 215.000 (ft) from structure Undefined (#82 in line)

Cross section results at max EF along centerline between structures Undefined (#82 in line) and Undefined (#83 in line)





3D EMF Point Results Span from Undefined (#82 in line) to Undefined (#83 in line):

Measurement			B					H	EF					Space Potential			
X (ft)	Y (ft)	Z (ft)	Real (mG)	Imaginary (mG)	Angle (deg)	Magnitude (mG)	Polarization Axial Ratio %	Magnitude (A/m)	Real (kV/m)	Imaginary (kV/m)	Angle (deg)	Magnitude (kV/m)	Polarization Axial Ratio %	Real (kV)	Imaginary (kV)	Angle (deg)	Magnitude (kV)
1002260.4	15387053.4	1488.1	10.221	5.063	26.4	11.407	0.5	0.908	0.063	0.008	7.5	0.063	5.6	0.235	-0.015	-3.8	0.235
1002257.4	15387049.4	1488.0	10.828	5.339	26.2	12.073	0.6	0.961	0.068	0.009	7.7	0.068	5.5	0.252	-0.015	-3.4	0.253
1002254.4	15387045.4	1487.9	11.490	5.638	26.1	12.798	0.6	1.018	0.073	0.010	7.9	0.074	5.4	0.271	-0.015	-3.1	0.271
1002251.4	15387041.4	1487.8	12.214	5.963	26.0	13.591	0.7	1.082	0.080	0.011	8.1	0.081	5.3	0.291	-0.014	-2.8	0.292
1002248.4	15387037.4	1487.7	13.011	6.317	25.9	14.463	0.8	1.151	0.087	0.013	8.3	0.088	5.2	0.316	-0.013	-2.4	0.316
1002245.4	15387033.4	1487.6	13.889	6.704	25.8	15.422	0.9	1.227	0.095	0.014	8.5	0.096	5.1	0.343	-0.012	-2.0	0.344
1002242.4	15387029.4	1487.3	14.847	7.124	25.6	16.468	1.0	1.310	0.105	0.016	8.7	0.106	5.0	0.366	-0.012	-1.9	0.366
1002239.5	15387025.4	1486.7	15.899	7.580	25.5	17.614	1.1	1.402	0.115	0.018	8.8	0.117	4.9	0.384	-0.013	-1.9	0.384
1002236.5	15387021.4	1486.3	17.069	8.083	25.3	18.886	1.2	1.503	0.127	0.020	9.0	0.129	4.8	0.406	-0.014	-2.0	0.407
1002233.5	15387017.4	1485.9	18.377	8.639	25.2	20.306	1.3	1.616	0.141	0.023	9.2	0.143	4.7	0.435	-0.014	-1.9	0.435
1002230.5	15387013.4	1485.9	19.865	9.263	25.0	21.918	1.5	1.744	0.157	0.026	9.4	0.159	4.6	0.483	-0.012	-1.5	0.483
1002227.5	15387009.3	1485.7	21.522	9.950	24.8	23.711	1.6	1.887	0.175	0.029	9.5	0.177	4.5	0.527	-0.012	-1.3	0.528
1002224.5	15387005.3	1485.2	23.354	10.703	24.6	25.690	1.9	2.044	0.196	0.034	9.7	0.199	4.5	0.558	-0.015	-1.5	0.558
1002221.5	15387001.3	1483.9	25.334	11.511	24.4	27.827	2.2	2.214	0.221	0.038	9.9	0.224	4.5	0.546	-0.026	-2.7	0.547
1002218.5	15386997.3	1483.8	27.731	12.468	24.2	30.405	2.4	2.420	0.250	0.044	10.0	0.253	4.4	0.609	-0.026	-2.5	0.610
1002215.5	15386993.3	1483.5	30.431	13.532	24.0	33.304	2.7	2.650	0.284	0.051	10.1	0.288	4.4	0.663	-0.030	-2.6	0.663
1002212.5	15386989.3	1483.6	33.630	14.767	23.7	36.729	3.0	2.923	0.324	0.059	10.3	0.329	4.3	0.764	-0.026	-2.0	0.765
1002209.5	15386985.3	1483.8	37.370	16.183	23.4	40.724	3.3	3.241	0.371	0.068	10.4	0.378	4.3	0.893	-0.021	-1.3	0.893
1002206.6	15386981.3	1483.3	41.518	17.738	23.1	45.149	3.8	3.593	0.429	0.079	10.5	0.436	4.3	0.967	-0.029	-1.7	0.967
1002203.6	15386977.3	1482.7	46.282	19.501	22.8	50.223	4.3	3.997	0.497	0.093	10.6	0.506	4.3	1.031	-0.043	-2.4	1.032
1002200.6	15386973.3	1482.3	51.908	21.545	22.5	56.201	4.9	4.472	0.580	0.110	10.8	0.590	4.3	1.122	-0.058	-2.9	1.124
1002197.6	15386969.3	1481.9	58.532	23.916	22.2	63.230	5.6	5.032	0.680	0.131	10.9	0.692	4.4	1.233	-0.075	-3.5	1.235

1002194.6	15386965.3	1481.6	66.322	26.668	21.9	71.482	6.4	5.688	0.799	0.157	11.1	0.815	4.4	1.355	-0.099	-4.2	1.359	
1002191.6	15386961.3	1481.2	75.517	29.887	21.6	81.216	7.4	6.463	0.942	0.189	11.4	0.961	4.5	1.496	-0.128	-4.9	1.502	
1002188.6	15386957.3	1481.0	86.446	33.692	21.3	92.780	8.5	7.383	1.110	0.230	11.7	1.134	4.6	1.673	-0.162	-5.5	1.681	
1002185.6	15386953.3	1480.7	99.273	38.188	21.0	106.365	9.9	8.464	1.302	0.283	12.2	1.333	4.7	1.871	-0.206	-6.3	1.882	
1002182.6	15386949.2	1480.6	114.485	43.600	20.8	122.507	11.5	9.749	1.512	0.350	13.0	1.552	4.8	2.135	-0.251	-6.7	2.149	
1002179.6	**15386945.2**	**1480.6**	**132.320**	**50.163**	**20.8**	**141.509**	**13.3**	**11.261**	**1.723**	**0.438**	**14.3**	**1.778**	**4.9**	**2.472**	**-0.291**	**-6.7**	**2.489**	**EF exceeds limit NG**
1002176.6	**15386941.2**	**1480.6**	**152.301**	**58.068**	**20.9**	**162.995**	**15.6**	**12.971**	**1.901**	**0.552**	**16.2**	**1.979**	**4.8**	**2.827**	**-0.333**	**-6.7**	**2.847**	**EF exceeds limit NG**
1002173.6	**15386937.2**	**1480.6**	**173.402**	**67.539**	**21.3**	**186.091**	**18.3**	**14.809**	**1.993**	**0.698**	**19.3**	**2.112**	**4.5**	**3.150**	**-0.378**	**-6.9**	**3.172**	**EF exceeds limit NG**
1002170.7	**15386933.2**	**1480.6**	**193.978**	**78.795**	**22.1**	**209.370**	**21.6**	**16.661**	**1.937**	**0.879**	**24.4**	**2.127**	**3.9**	**3.390**	**-0.422**	**-7.1**	**3.416**	**BF and EF exceed limits NG**
1002167.7	**15386929.2**	**1480.9**	**213.770**	**92.537**	**23.4**	**232.939**	**25.3**	**18.537**	**1.683**	**1.084**	**32.8**	**2.002**	**2.3**	**3.593**	**-0.393**	**-6.2**	**3.615**	**BF and EF exceed limits NG**
1002164.7	**15386925.2**	**1481.5**	**233.918**	**110.208**	**25.2**	**258.580**	**29.6**	**20.577**	**1.239**	**1.282**	**46.0**	**1.782**	**8.6**	**3.732**	**-0.157**	**-2.4**	**3.735**	**BF and EF exceed limits NG**
1002161.7	**15386921.2**	**1482.8**	**258.101**	**135.296**	**27.7**	**291.413**	**34.8**	**23.190**	**0.764**	**1.410**	**61.6**	**1.603**	**29.1**	**3.603**	**0.476**	**7.5**	**3.634**	**BF and EF exceed limits NG**
1002158.7	**15386917.2**	**1485.0**	**287.351**	**172.813**	**31.0**	**335.313**	**41.0**	**26.683**	**0.832**	**1.416**	**59.6**	**1.642**	**58.0**	**2.733**	**1.432**	**27.7**	**3.085**	**BF and EF exceed limits NG**
1002155.7	**15386913.2**	**1486.7**	**302.888**	**214.630**	**35.3**	**371.224**	**45.8**	**29.541**	**1.315**	**1.264**	**43.9**	**1.824**	**63.3**	**1.052**	**1.835**	**60.2**	**2.115**	**BF and EF exceed limits NG**
1002152.7	**15386909.2**	**1486.7**	**285.912**	**231.484**	**39.0**	**367.873**	**43.8**	**29.274**	**1.664**	**0.869**	**27.6**	**1.877**	**48.6**	**-0.285**	**1.077**	**-75.1**	**1.114**	**BF and EF exceed limits NG**
1002149.7	**15386905.2**	**1488.3**	**287.342**	**265.827**	**42.8**	**391.445**	**40.1**	**31.150**	**2.052**	**1.038**	**26.8**	**2.300**	**41.2**	**-2.250**	**-0.075**	**1.9**	**2.251**	**BF and EF exceed limits NG**
1002146.7	**15386901.2**	**1488.1**	**262.709**	**254.994**	**44.1**	**366.113**	**33.0**	**29.134**	**2.186**	**1.391**	**32.5**	**2.591**	**23.8**	**-2.900**	**-1.520**	**27.7**	**3.274**	**BF and EF exceed limits NG**
1002143.7	**15386897.2**	**1486.7**	**224.411**	**215.386**	**43.8**	**311.049**	**26.7**	**24.753**	**2.151**	**1.701**	**38.3**	**2.742**	**10.6**	**-2.386**	**-1.995**	**39.9**	**3.110**	**BF and EF exceed limits NG**
1002140.7	**15386893.2**	**1486.2**	**195.251**	**185.364**	**43.5**	**269.226**	**22.0**	**21.424**	**2.026**	**1.902**	**43.2**	**2.779**	**5.5**	**-2.179**	**-2.254**	**46.0**	**3.136**	**BF and EF exceed limits NG**
1002137.7	**15386889.2**	**1482.8**	**150.843**	**135.311**	**41.9**	**202.639**	**18.5**	**16.126**	**1.794**	**1.844**	**45.8**	**2.573**	**0.8**	**-0.263**	**-0.570**	**65.3**	**0.627**	**BF and EF exceed limits NG**
1002134.8	**15386885.1**	**1480.4**	**122.130**	**105.580**	**40.8**	**161.439**	**15.9**	**12.847**	**1.550**	**1.693**	**47.5**	**2.296**	**0.7**	**0.784**	**0.518**	**33.5**	**0.939**	**EF exceeds limit NG**
1002131.8	**15386881.1**	**1478.5**	**101.522**	**85.329**	**40.0**	**132.619**	**13.8**	**10.553**	**1.300**	**1.464**	**48.4**	**1.958**	**0.7**	**1.285**	**1.087**	**40.2**	**1.683**	**EF exceeds limit NG**
1002128.8	**15386877.1**	**1477.7**	**87.535**	**72.267**	**39.5**	**113.512**	**12.0**	**9.033**	**1.068**	**1.217**	**48.7**	**1.619**	**0.6**	**1.193**	**1.002**	**40.0**	**1.558**	**EF exceeds limit NG**
1002125.8	15386873.1	1475.9	74.180	59.815	38.9	95.291	10.7	7.583	0.875	1.002	48.9	1.330	0.7	1.372	1.217	41.6	1.834	
1002122.8	15386869.1	1473.5	62.821	49.460	38.2	79.955	9.7	6.363	0.717	0.821	48.9	1.090	1.0	1.579	1.466	42.9	2.154	
1002119.8	15386865.1	1471.5	54.289	41.943	37.7	68.604	8.7	5.459	0.590	0.675	48.8	0.896	1.4	1.582	1.488	43.2	2.172	
1002116.8	15386861.1	1471.6	48.785	37.322	37.4	61.424	7.8	4.888	0.490	0.560	48.8	0.744	1.8	1.251	1.134	42.2	1.689	
1002113.8	15386857.1	1471.7	43.948	33.290	37.1	55.133	7.0	4.387	0.410	0.470	48.9	0.624	2.2	0.995	0.865	41.0	1.318	
1002110.8	15386853.1	1471.8	39.705	29.782	36.9	49.633	6.2	3.950	0.346	0.398	49.0	0.528	2.6	0.795	0.660	39.7	1.033	
1002107.8	15386849.1	1471.7	35.878	26.638	36.6	44.686	5.6	3.556	0.295	0.341	49.1	0.450	2.9	0.663	0.532	38.7	0.851	
1002104.8	15386845.1	1471.5	32.530	23.918	36.3	40.376	5.1	3.213	0.253	0.293	49.3	0.387	3.3	0.562	0.437	37.9	0.712	
1002101.9	15386841.1	1471.5	29.672	21.626	36.1	36.717	4.6	2.922	0.218	0.255	49.4	0.336	3.6	0.462	0.342	36.6	0.575	
1002098.9	15386837.1	1471.5	27.139	19.613	35.9	33.484	4.2	2.665	0.190	0.223	49.6	0.293	3.8	0.385	0.273	35.3	0.472	
1002095.9	15386833.1	1471.5	24.901	17.852	35.6	30.639	3.8	2.438	0.166	0.196	49.8	0.257	4.1	0.324	0.218	34.0	0.390	
1002092.9	15386829.1	1471.3	22.900	16.290	35.4	28.103	3.5	2.236	0.146	0.174	50.0	0.227	4.3	0.279	0.182	33.1	0.333	
1002089.9	15386825.0	1470.0	20.970	14.790	35.2	25.661	3.3	2.042	0.128	0.154	50.2	0.201	4.6	0.289	0.209	35.8	0.357	
1002086.9	15386821.0	1469.1	19.319	13.522	35.0	23.582	3.1	1.877	0.114	0.138	50.5	0.179	4.8	0.282	0.214	37.2	0.354	
1002083.9	15386817.0	1467.9	17.831	12.390	34.8	21.713	2.9	1.728	0.102	0.124	50.7	0.160	5.1	0.283	0.228	38.9	0.363	
1002080.9	15386813.0	1468.3	16.649	11.506	34.6	20.238	2.7	1.610	0.091	0.112	51.0	0.144	5.2	0.235	0.182	37.7	0.297	
1002077.9	15386809.0	1468.6	15.564	10.701	34.5	18.888	2.5	1.503	0.082	0.101	51.2	0.130	5.4	0.199	0.148	36.7	0.248	
1002074.9	15386805.0	1468.2	14.533	9.936	34.4	17.605	2.3	1.401	0.073	0.092	51.5	0.118	5.6	0.185	0.140	37.3	0.232	
1002071.9	15386801.0	1468.2	13.627	9.272	34.2	16.482	2.1	1.312	0.066	0.084	51.7	0.107	5.7	0.162	0.121	36.8	0.202	
1002068.9	15386797.0	1467.8	12.780	8.653	34.1	15.434	2.0	1.228	0.060	0.077	52.0	0.098	5.9	0.151	0.115	37.4	0.190	
1002066.0	15386793.0	1467.4	12.005	8.090	34.0	14.477	1.9	1.152	0.055	0.071	52.3	0.089	6.1	0.143	0.112	38.2	0.182	
1002063.0	15386789.0	1464.9	11.218	7.518	33.8	13.504	1.9	1.075	0.050	0.065	52.5	0.082	6.3	0.167	0.150	41.9	0.224	
1002060.0	15386785.0	1463.0	10.527	7.021	33.7	12.654	1.8	1.007	0.046	0.060	52.8	0.075	6.5	0.178	0.171	43.8	0.247	
1002057.0	15386781.0	1462.6	9.954	6.613	33.6	11.950	1.7	0.951	0.042	0.055	53.0	0.069	6.6	0.166	0.161	44.1	0.231	
1002054.0	15386777.0	1462.8	9.440	6.251	33.5	11.322	1.6	0.901	0.038	0.051	53.3	0.064	6.8	0.149	0.144	44.1	0.207	
1002051.0	15386773.0	1464.8	9.014	5.954	33.4	10.803	1.4	0.860	0.035	0.048	53.7	0.059	6.9	0.112	0.102	42.1	0.152	

Critical Energy/Electric Infrastructure Information (CEII) Has Been Redacted From This Document

PLS-CADD Version 20.01x64 11:18:54 AM Friday, February 28, 2025
Quanta Services - Dashiell
Project Name: 'C:\projects\L68\0026-0068-700 REV 0-0E PLS CADD MODEL.don'
Line Title: 'PROPOSED L723 AND EXISTING L68 MERGED'

3D EMF Calculation Notes:
1) Calculations based on the EPRI Red Book methods (3rd Edition, 2005 - 7.4 Calculation of Magnetic Fields and Appendices 7.1 Calculation of Field Ellipse Parameters and 7.6 Electric Field Calculations for 3D Geometry).
2) All wire positions are modeled at the specified weather case and wind direction. Height above ground determined by the modeled ground TIN.
3) Only the effects of wires are being analyzed. The effects of structures are not included unless enabled as noted below.
4) Ground return is being ignored for magnetic field calculations.

Meter height above ground:	3.28	(ft)
Maximum wire distance:	500.00	(ft)
Maximum cable segment size:	5.00	(ft)
Cross section offset +/-:	175.00	(ft)
Result interval:	5.00	(ft)
Electric field limit:	1.60	(kV/m)
Magnetic field limit:	200.00	(mG)
Space potential limit:	0.00	(kV)
Contour Map Spacing:	15	(ft)
Analyzing spans between these structures:	Undefined (#82 in line) - Undefined (#83 in line)	

One or more sections have wind from both directions which is not supported. A wind direction of left is being used for those sections.

Section Data for 3D EMF Results:

Section Number	Section Note	Voltage Ph-Ph (kV)	Current (Amps)	Cable Filename	Cable Description	Conductors Per Phase	Bundle Diameter (in)	Cable Radius (in)	Weather Case	Condition	Wind Dir.	WC Temperature (deg F)	Effective Radius (in)
32		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.217
50		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.217
67		230.0	[redacted]	ortolan_acsr.wir	1033.5 kcmil 45/7 Strands ORTOLAN ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.606	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.606

Centerline results between structures Undefined (#82 in line) and Undefined (#83 in line)

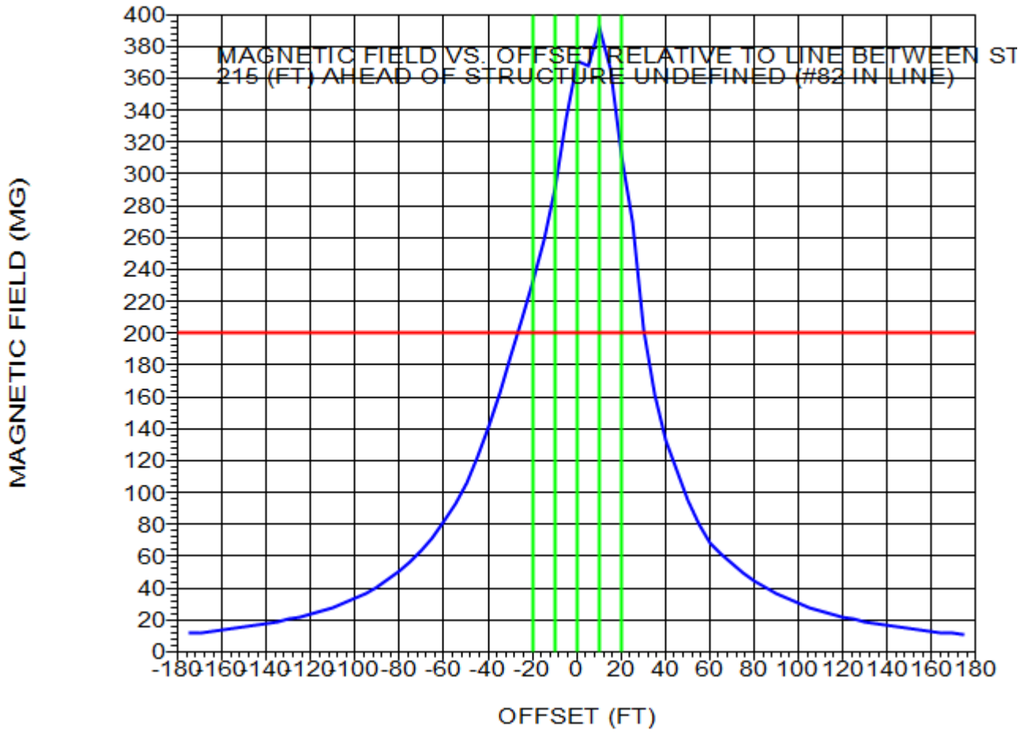
3D EMF Point Results Centerline from Undefined (#82 in line) to Undefined (#83 in line):

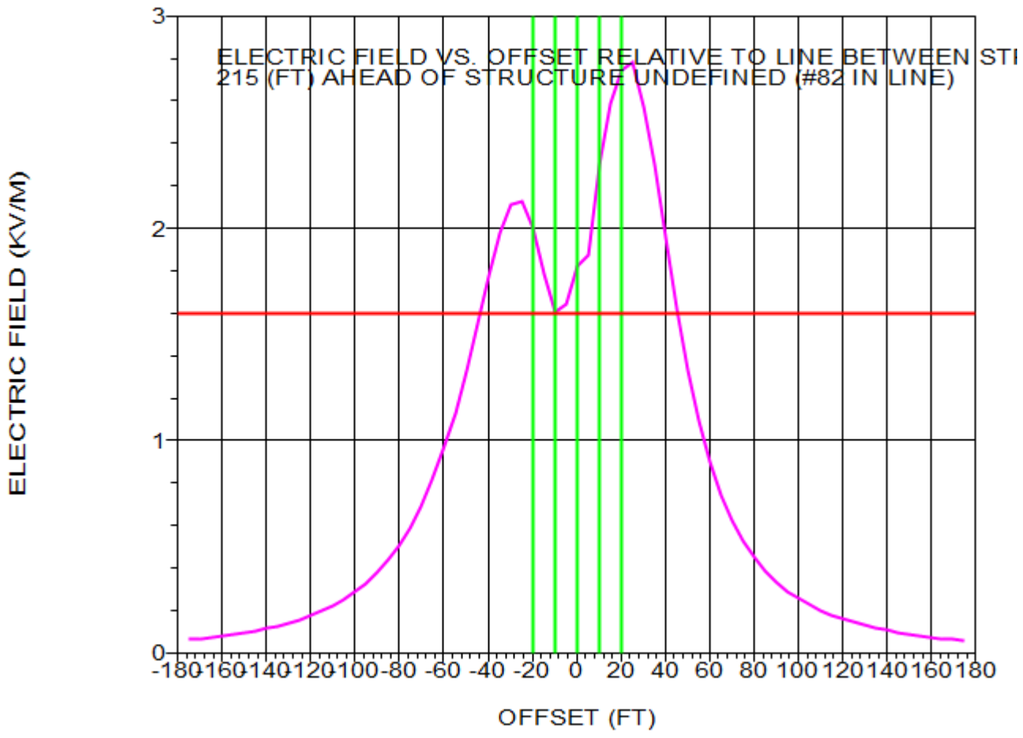
Measurement X (ft)	Measurement Y (ft)	Measurement Z (ft)	B Real (mG)	B Imaginary (mG)	B Angle (deg)	B Magnitude (mG)	B Polarization Axial Ratio %	H Magnitude (A/m)	EF Real (kV/m)	EF Imaginary (kV/m)	EF Angle (deg)	EF Magnitude (kV/m)	EF Polarization Axial Ratio %	Space Potential Real (kV)	Space Potential Imaginary (kV)	Space Potential Angle (deg)	Space Potential Magnitude (kV)	
1001983.4	**15387041.8**	**1480.5**	**203.759**	**135.158**	**33.6**	**244.510**	**34.9**	**19.458**	**0.439**	**0.509**	**49.2**	**0.673**	**46.4**	**0.101**	**2.033**	**87.1**	**2.035**	**BF exceeds limit NG**
1001987.4	**15387038.8**	**1481.4**	**207.941**	**138.260**	**33.6**	**249.710**	**35.4**	**19.871**	**0.478**	**0.536**	**48.3**	**0.718**	**57.6**	**-0.020**	**1.929**	**-89.4**	**1.929**	**BF exceeds limit NG**
1001991.4	**15387035.8**	**1481.7**	**208.669**	**138.725**	**33.6**	**250.574**	**35.4**	**19.940**	**0.487**	**0.558**	**48.9**	**0.740**	**60.7**	**-0.089**	**1.771**	**-87.1**	**1.773**	**BF exceeds limit NG**
1001995.4	**15387032.8**	**1481.6**	**206.007**	**136.606**	**33.5**	**247.184**	**35.1**	**19.670**	**0.464**	**0.572**	**50.9**	**0.737**	**56.4**	**-0.111**	**1.552**	**-85.9**	**1.556**	**BF exceeds limit NG**
1001999.4	**15387029.9**	**1481.6**	**205.834**	**136.407**	**33.5**	**246.930**	**35.1**	**19.650**	**0.460**	**0.598**	**52.4**	**0.754**	**55.0**	**-0.166**	**1.366**	**-83.1**	**1.376**	**BF exceeds limit NG**
1002003.5	**15387026.9**	**1481.7**	**207.154**	**137.359**	**33.5**	**248.557**	**35.2**	**19.780**	**0.467**	**0.630**	**53.5**	**0.784**	**55.3**	**-0.241**	**1.201**	**-78.6**	**1.225**	**BF exceeds limit NG**
1002007.5	**15387023.9**	**1482.5**	**215.674**	**143.867**	**33.7**	**259.255**	**36.2**	**20.631**	**0.535**	**0.689**	**52.2**	**0.872**	**65.7**	**-0.410**	**1.177**	**-70.8**	**1.246**	**BF exceeds limit NG**
1002011.5	**15387020.9**	**1482.5**	**216.533**	**144.483**	**33.7**	**260.312**	**36.2**	**20.715**	**0.539**	**0.719**	**53.1**	**0.899**	**65.0**	**-0.488**	**1.011**	**-64.2**	**1.123**	**BF exceeds limit NG**
1002015.5	**15387017.9**	**1482.9**	**221.980**	**148.678**	**33.8**	**267.171**	**36.8**	**21.261**	**0.587**	**0.764**	**52.5**	**0.963**	**70.8**	**-0.630**	**0.955**	**-56.6**	**1.144**	**BF exceeds limit NG**
1002019.5	**15387014.9**	**1483.3**	**227.498**	**152.966**	**33.9**	**274.142**	**37.4**	**21.816**	**0.639**	**0.805**	**51.5**	**1.028**	**76.8**	**-0.780**	**0.928**	**-49.9**	**1.212**	**BF exceeds limit NG**
1002023.5	**15387011.9**	**1484.9**	**247.556**	**168.988**	**34.3**	**299.735**	**39.7**	**23.852**	**0.828**	**0.915**	**47.8**	**1.234**	**88.7**	**-1.093**	**1.241**	**-48.6**	**1.654**	**BF exceeds limit NG**
1002027.5	**15387008.9**	**1484.5**	**245.017**	**166.876**	**34.3**	**296.447**	**39.4**	**23.591**	**0.819**	**0.907**	**47.9**	**1.222**	**86.8**	**-1.166**	**1.116**	**-43.7**	**1.614**	**BF exceeds limit NG**
1002031.5	**15387005.9**	**1482.4**	**223.862**	**149.975**	**33.8**	**269.457**	**37.0**	**21.443**	**0.646**	**0.799**	**51.1**	**1.028**	**80.7**	**-1.066**	**0.631**	**-30.6**	**1.238**	**BF exceeds limit NG**
1002035.5	**15387002.9**	**1479.7**	**199.697**	**131.364**	**33.3**	**239.030**	**34.3**	**19.021**	**0.447**	**0.685**	**56.9**	**0.818**	**63.3**	**-0.962**	**0.105**	**-6.2**	**0.968**	**BF exceeds limit NG**
1002039.5	**15386999.9**	**1476.4**	**174.337**	**112.571**	**32.9**	**207.522**	**31.4**	**16.514**	**0.251**	**0.584**	**66.7**	**0.635**	**33.0**	**-0.875**	**-0.425**	**25.9**	**0.973**	**BF exceeds limit NG**
1002043.5	15386996.9	1473.1	152.478	96.935	32.4	180.681	28.8	14.378	0.168	0.512	71.8	0.538	7.9	-0.841	-0.845	45.1	1.192	
1002047.5	15386994.0	1469.9	135.332	85.012	32.1	159.819	26.8	12.718	0.228	0.456	63.4	0.510	38.9	-0.850	-1.116	52.7	1.402	
1002051.5	15386991.0	1467.3	122.972	76.594	31.9	144.875	25.3	11.529	0.297	0.406	53.8	0.503	68.8	-0.876	-1.250	55.0	1.527	
1002055.5	15386988.0	1466.4	119.678	74.366	31.9	140.901	24.9	11.213	0.267	0.351	52.7	0.441	70.9	-0.928	-1.179	51.8	1.501	
1002059.5	15386985.0	1466.1	119.070	73.946	31.8	140.163	24.8	11.154	0.223	0.321	55.2	0.391	60.3	-0.965	-1.112	49.0	1.472	
1002063.5	15386982.0	1466.3	120.152	74.659	31.9	141.458	25.0	11.257	0.181	0.320	60.4	0.368	43.2	-0.993	-1.081	47.4	1.467	
1002067.6	15386979.0	1466.4	121.218	75.363	31.9	142.735	25.1	11.359	0.160	0.341	64.9	0.376	32.0	-1.012	-1.119	47.9	1.509	

1002071.6	15386976.0	1466.5	122.267	76.056	31.9	143.992	25.2	11.459	0.154	0.376	67.8	0.406	27.3	-1.030	-1.219	49.8	1.595	
1002075.6	15386973.0	1466.7	123.587	76.934	31.9	145.577	25.4	11.585	0.158	0.422	69.5	0.451	26.2	-1.048	-1.368	52.5	1.724	
1002079.6	15386970.0	1467.5	127.781	79.755	32.0	150.628	25.9	11.987	0.147	0.475	72.8	0.497	20.2	-1.080	-1.494	54.1	1.843	
1002083.6	15386967.0	1469.6	139.065	87.446	32.2	164.274	27.2	13.072	0.118	0.533	77.5	0.546	10.6	-1.138	-1.463	52.1	1.854	
1002087.6	15386964.0	1471.9	153.373	97.374	32.4	181.672	28.9	14.457	0.177	0.602	73.6	0.627	25.7	-1.191	-1.362	48.8	1.809	
1002091.6	15386961.1	1473.7	165.131	105.680	32.6	196.052	30.2	15.601	0.251	0.668	69.4	0.714	35.8	-1.208	-1.321	47.6	1.790	
1002095.6	**15386958.1**	**1475.1**	**175.830**	**113.357**	**32.8**	**209.203**	**31.4**	**16.648**	**0.322**	**0.733**	**66.3**	**0.801**	**42.7**	**-1.194**	**-1.295**	**47.3**	**1.761**	**BF exceeds limit NG**
1002099.6	**15386955.1**	**1475.2**	**177.199**	**114.334**	**32.8**	**210.883**	**31.6**	**16.782**	**0.310**	**0.772**	**68.1**	**0.832**	**37.1**	**-1.094**	**-1.503**	**54.0**	**1.859**	**BF exceeds limit NG**
1002103.6	**15386952.1**	**1475.4**	**179.459**	**115.961**	**32.9**	**213.665**	**31.8**	**17.003**	**0.317**	**0.812**	**68.7**	**0.872**	**33.4**	**-0.960**	**-1.677**	**60.2**	**1.932**	**BF exceeds limit NG**
1002107.6	**15386949.1**	**1477.7**	**198.702**	**130.157**	**33.2**	**237.536**	**34.0**	**18.903**	**0.475**	**0.883**	**61.8**	**1.003**	**50.9**	**-0.929**	**-1.314**	**54.7**	**1.610**	**BF exceeds limit NG**
1002111.6	**15386946.1**	**1480.6**	**227.800**	**152.426**	**33.8**	**274.092**	**37.3**	**21.812**	**0.720**	**0.999**	**54.2**	**1.231**	**71.9**	**-0.990**	**-0.655**	**33.5**	**1.187**	**BF exceeds limit NG**
1002115.6	**15386943.1**	**1481.5**	**237.060**	**159.710**	**34.0**	**285.840**	**38.3**	**22.746**	**0.789**	**1.041**	**52.8**	**1.306**	**75.3**	**-0.878**	**-0.487**	**29.0**	**1.004**	**BF exceeds limit NG**
1002119.6	**15386940.1**	**1480.6**	**227.870**	**152.438**	**33.8**	**274.157**	**37.3**	**21.817**	**0.700**	**1.000**	**55.0**	**1.220**	**65.9**	**-0.561**	**-0.763**	**53.7**	**0.947**	**BF exceeds limit NG**
1002123.6	**15386937.1**	**1480.8**	**229.981**	**154.074**	**33.8**	**276.822**	**37.5**	**22.029**	**0.712**	**1.000**	**54.6**	**1.227**	**64.2**	**-0.333**	**-0.698**	**64.5**	**0.773**	**BF exceeds limit NG**
1002127.7	**15386934.1**	**1480.5**	**226.141**	**151.049**	**33.7**	**271.947**	**37.1**	**21.641**	**0.678**	**0.976**	**55.2**	**1.189**	**56.8**	**-0.008**	**-0.761**	**89.4**	**0.761**	**BF exceeds limit NG**
1002131.7	**15386931.1**	**1480.6**	**227.126**	**151.800**	**33.8**	**273.184**	**37.2**	**21.739**	**0.690**	**0.970**	**54.6**	**1.190**	**52.8**	**0.292**	**-0.667**	**-66.4**	**0.728**	**BF exceeds limit NG**
1002135.7	**15386928.1**	**1481.0**	**231.396**	**155.132**	**33.8**	**278.586**	**37.6**	**22.169**	**0.732**	**0.977**	**53.2**	**1.221**	**50.7**	**0.576**	**-0.470**	**-39.2**	**0.744**	**BF exceeds limit NG**
1002139.7	**15386925.2**	**1481.2**	**233.319**	**156.630**	**33.9**	**281.018**	**37.8**	**22.363**	**0.763**	**0.985**	**52.2**	**1.246**	**45.4**	**0.923**	**-0.336**	**-20.0**	**0.982**	**BF exceeds limit NG**
1002143.7	**15386922.2**	**1481.0**	**231.283**	**155.010**	**33.8**	**278.424**	**37.6**	**22.156**	**0.776**	**0.994**	**52.0**	**1.261**	**36.0**	**1.364**	**-0.312**	**-12.9**	**1.399**	**BF exceeds limit NG**
1002147.7	**15386919.2**	**1482.8**	**250.701**	**170.500**	**34.2**	**303.186**	**39.8**	**24.127**	**0.920**	**1.054**	**48.9**	**1.400**	**43.7**	**1.408**	**0.304**	**12.2**	**1.440**	**BF exceeds limit NG**
1002151.7	**15386916.2**	**1485.4**	**284.941**	**199.029**	**34.9**	**347.568**	**43.7**	**27.659**	**1.176**	**1.184**	**45.2**	**1.669**	**59.4**	**1.116**	**1.278**	**48.9**	**1.697**	**BF and EF exceed limits NG**
1002155.7	**15386913.2**	**1486.7**	**302.888**	**214.630**	**35.3**	**371.224**	**45.8**	**29.541**	**1.315**	**1.264**	**43.9**	**1.824**	**63.3**	**1.052**	**1.835**	**60.2**	**2.115**	**BF and EF exceed limits NG**
1002159.7	**15386910.2**	**1486.1**	**293.449**	**206.336**	**35.1**	**358.730**	**44.7**	**28.547**	**1.241**	**1.203**	**44.1**	**1.728**	**54.8**	**1.432**	**1.753**	**50.8**	**2.264**	**BF and EF exceed limits NG**
1002163.7	**15386907.2**	**1486.6**	**298.871**	**211.054**	**35.2**	**365.879**	**45.3**	**29.116**	**1.275**	**1.212**	**43.5**	**1.759**	**55.5**	**1.451**	**2.030**	**54.4**	**2.495**	**BF and EF exceed limits NG**
1002167.7	**15386904.2**	**1485.8**	**286.819**	**200.571**	**35.0**	**349.991**	**43.9**	**27.851**	**1.175**	**1.139**	**44.1**	**1.637**	**47.9**	**1.738**	**1.904**	**47.6**	**2.578**	**BF and EF exceed limits NG**
1002171.7	**15386901.2**	**1485.2**	**276.520**	**191.781**	**34.7**	**336.516**	**42.7**	**26.779**	**1.087**	**1.081**	**44.8**	**1.533**	**42.4**	**1.909**	**1.811**	**43.5**	**2.632**	**BF exceeds limit NG**
1002175.7	**15386898.2**	**1485.3**	**276.030**	**191.355**	**34.7**	**335.870**	**42.7**	**26.728**	**1.067**	**1.062**	**44.9**	**1.506**	**45.4**	**1.791**	**1.916**	**46.9**	**2.623**	**BF exceeds limit NG**
1002179.7	**15386895.2**	**1485.3**	**274.149**	**189.759**	**34.7**	**333.416**	**42.5**	**26.532**	**1.037**	**1.043**	**45.2**	**1.471**	**49.1**	**1.631**	**1.953**	**50.1**	**2.544**	**BF exceeds limit NG**
1002183.7	**15386892.3**	**1483.8**	**252.891**	**172.172**	**34.2**	**305.936**	**40.0**	**24.346**	**0.871**	**0.963**	**47.9**	**1.299**	**40.3**	**1.788**	**1.534**	**40.6**	**2.356**	**BF exceeds limit NG**
1002187.7	**15386889.3**	**1482.8**	**239.622**	**161.495**	**34.0**	**288.963**	**38.5**	**22.995**	**0.766**	**0.919**	**50.2**	**1.196**	**37.5**	**1.728**	**1.248**	**35.8**	**2.131**	**BF exceeds limit NG**
1002191.8	**15386886.3**	**1483.2**	**242.776**	**164.006**	**34.0**	**292.982**	**38.9**	**23.315**	**0.764**	**0.911**	**50.0**	**1.189**	**46.7**	**1.326**	**1.294**	**44.3**	**1.853**	**BF exceeds limit NG**
1002195.8	**15386883.3**	**1482.8**	**236.653**	**159.130**	**33.9**	**285.179**	**38.2**	**22.694**	**0.705**	**0.883**	**51.4**	**1.130**	**48.4**	**1.089**	**1.114**	**45.7**	**1.558**	**BF exceeds limit NG**
1002199.8	**15386880.3**	**1482.6**	**231.947**	**155.414**	**33.8**	**279.200**	**37.7**	**22.218**	**0.658**	**0.860**	**52.6**	**1.083**	**50.5**	**0.828**	**0.955**	**49.1**	**1.264**	**BF exceeds limit NG**
1002203.8	**15386877.3**	**1482.6**	**230.700**	**154.435**	**33.8**	**277.620**	**37.5**	**22.092**	**0.639**	**0.849**	**53.0**	**1.063**	**55.4**	**0.528**	**0.871**	**58.8**	**1.019**	**BF exceeds limit NG**
1002207.8	**15386874.3**	**1482.9**	**231.213**	**154.837**	**33.8**	**278.269**	**37.6**	**22.144**	**0.641**	**0.845**	**52.8**	**1.061**	**62.1**	**0.229**	**0.831**	**74.6**	**0.862**	**BF exceeds limit NG**
1002211.8	**15386871.3**	**1482.2**	**221.707**	**147.429**	**33.6**	**266.251**	**36.5**	**21.188**	**0.564**	**0.803**	**54.9**	**0.981**	**58.2**	**0.080**	**0.579**	**82.1**	**0.584**	**BF exceeds limit NG**
1002215.8	**15386868.3**	**1480.6**	**204.674**	**134.424**	**33.3**	**244.870**	**34.6**	**19.486**	**0.427**	**0.738**	**59.9**	**0.852**	**43.5**	**0.032**	**0.162**	**78.9**	**0.165**	**BF exceeds limit NG**
1002219.8	**15386865.3**	**1479.8**	**195.227**	**127.356**	**33.1**	**233.095**	**33.5**	**18.549**	**0.354**	**0.699**	**63.2**	**0.784**	**35.8**	**-0.090**	**-0.076**	**40.3**	**0.117**	**BF exceeds limit NG**
1002223.8	**15386862.3**	**1479.4**	**190.012**	**123.499**	**33.0**	**226.620**	**32.9**	**18.034**	**0.315**	**0.673**	**64.9**	**0.743**	**33.0**	**-0.230**	**-0.208**	**42.1**	**0.310**	**BF exceeds limit NG**
1002227.8	**15386859.3**	**1479.2**	**186.777**	**121.122**	**33.0**	**222.612**	**32.6**	**17.715**	**0.296**	**0.655**	**65.7**	**0.719**	**32.6**	**-0.357**	**-0.290**	**39.1**	**0.460**	**BF exceeds limit NG**
1002231.8	**15386856.4**	**1478.9**	**182.095**	**117.702**	**32.9**	**216.823**	**32.1**	**17.254**	**0.271**	**0.636**	**66.9**	**0.691**	**29.3**	**-0.437**	**-0.409**	**43.1**	**0.598**	**BF exceeds limit NG**
1002235.8	**15386853.4**	**1480.0**	**188.995**	**122.763**	**33.0**	**225.366**	**32.8**	**17.934**	**0.344**	**0.651**	**62.1**	**0.736**	**45.6**	**-0.592**	**-0.258**	**23.5**	**0.646**	**BF exceeds limit NG**
1002239.8	**15386850.4**	**1480.1**	**188.132**	**122.135**	**33.0**	**224.300**	**32.7**	**17.849**	**0.354**	**0.645**	**61.3**	**0.736**	**48.1**	**-0.653**	**-0.291**	**24.0**	**0.715**	**BF exceeds limit NG**
1002243.8	**15386847.4**	**1480.1**	**185.575**	**120.264**	**32.9**	**221.137**	**32.5**	**17.598**	**0.347**	**0.635**	**61.3**	**0.724**	**47.4**	**-0.681**	**-0.365**	**28.2**	**0.773**	**BF exceeds limit NG**
1002247.8	**15386844.4**	**1480.2**	**184.152**	**119.230**	**32.9**	**219.380**	**32.3**	**17.458**	**0.349**	**0.629**	**60.9**	**0.719**	**48.1**	**-0.707**	**-0.416**	**30.5**	**0.820**	**BF exceeds limit NG**
1002251.9	**15386841.4**	**1480.3**	**183.056**	**118.438**	**32.9**	**218.030**	**32.2**	**17.350**	**0.352**	**0.625**	**60.6**	**0.717**	**48.8**	**-0.730**	**-0.464**	**32.5**	**0.865**	**BF exceeds limit NG**
1002255.9	**15386838.4**	**1480.4**	**181.425**	**117.257**	**32.9**	**216.019**	**32.0**	**17.190**	**0.348**	**0.620**	**60.7**	**0.711**	**48.2**	**-0.745**	**-0.531**	**35.5**	**0.915**	**BF exceeds limit NG**
1002259.9	**15386835.4**	**1480.5**	**180.116**	**116.314**	**32.9**	**214.407**	**31.8**	**17.062**	**0.345**	**0.619**	**60.9**	**0.709**	**47.7**	**-0.764**	**-0.596**	**38.0**	**0.970**	**BF exceeds limit NG**
1002263.9	**15386832.4**	**1480.8**	**180.416**	**116.543**	**32.9**	**214.784**	**31.9**	**17.092**	**0.353**	**0.625**	**60.5**	**0.718**	**49.5**	**-0.803**	**-0.632**	**38.2**	**1.022**	**BF exceeds limit NG**
1002267.9	**15386829.4**	**1480.9**	**178.318**	**115.030**	**32.8**	**212.201**	**31.6**	**16.886**	**0.338**	**0.624**	**61.5**	**0.710**	**46.9**	**-0.826**	**-0.729**	**41.4**	**1.102**	**BF exceeds limit NG**
1002271.9	**15386826.4**	**1481.8**	**183.262**	**118.641**	**32.9**	**218.313**	**32.2**	**17.373**	**0.382**	**0.647**	**59.4**	**0.752**	**55.1**	**-0.922**	**-0.664**	**35.8**	**1.136**	**BF exceeds limit NG**
1002275.9	**15386823.4**	**1482.0**	**182.183**	**117.867**	**32.9**	**216.987**	**32.1**	**17.267**	**0.371**	**0.650**	**60.3**	**0.748**	**53.4**	**-0.973**	**-0.741**	**37.3**	**1.222**	**BF exceeds limit NG**
1002279.9	**15386820.5**	**1482.2**	**181.424**	**117.327**	**32.9**	**216.056**	**32.0**	**17.193**	**0.359**	**0.653**	**61.2**	**0.745**	**51.8**	**-1.036**	**-0.808**	**38.0**	**1.314**	**BF exceeds limit NG**
1002283.9	**15386817.5**	**1482.5**	**181.127**	**117.125**	**32.9**	**215.697**	**32.0**	**17.165**	**0.347**	**0.656**	**62.1**	**0.742**	**50.3**	**-1.112**	**-0.862**	**37.8**	**1.407**	**BF exceeds limit NG**
1002287.9	**15386814.5**	**1482.5**	**178.467**	**115.205**	**32.8**	**212.421**	**31.7**	**16.904**	**0.310**	**0.651**	**64.5**	**0.721**	**44.8**	**-1.178**	**-0.969**	**39.4**	**1.526**	**BF exceeds limit NG**
1002291.9	**15386811.5**	**1482.9**	**178.924**	**115.554**	**32.9**	**212.994**	**31.7**	**16.950**	**0.298**	**0.655**	**65.5**	**0.719**	**43.3**	**-1.274**	**-0.996**	**38.0**	**1.617**	**BF exceeds limit NG**
1002295.9	**15386808.5**	**1483.2**	**177.975**	**114.883**	**32.8**	**211.833**	**31.6**	**16.857**	**0.268**	**0.654**	**67.7**	**0.707**	**39.0**	**-1.359**	**-1.052**	**37.7**	**1.719**	**BF exceeds limit NG**
1002299.9	**15386805.5**	**1483.8**	**179.755**	**116.195**	**32.9**	**214.041**	**31.8**	**17.033**	**0.263**	**0.662**	**68.3**	**0.712**	**38.4**	**-1.456**	**-1.035**	**35.4**	**1.786**	**BF exceeds limit NG**
1002303.9	**15386802.5**	**1484.9**	**186.016**	**120.794**	**33.0**	**221.795**	**32.6**	**17.650**	**0.305**	**0.684**	**65.9**	**0.749**	**44.4**	**-1.561**	**-0.896**	**29.9**	**1.800**	**BF exceeds limit NG**
1002307.9	**15386799.5**	**1483.6**	**172.718**	**111.138**	**32.8**	**205.385**	**31.1**	**16.344**	**0.160**	**0.648**	**76.1**	**0.667**	**20.3**	**-1.537**	**-1.249**	**39.1**	**1.981**	**BF exceeds limit NG**
1002311.9	**15386796.5**	**1484.6**	**177.401**	**114.546**	**32.9**	**211.168**	**31.6**	**16.804**	**0.196**	**0.660**	**73.5**	**0.688**	**26.9**	**-1.581**	**-1.117**	**35.3**	**1.936**	**BF exceeds limit NG**
1002316.0	**15386793.5**	**1487.9**	**201.504**	**132.382**	**33.3**	**241.099**	**34.3**	**19.186**	**0.435**	**0.736**	**59.4**	**0.855**	**58.8**	**-1.693**	**-0.490**	**16.1**	**1.763**	**BF exceeds limit NG**
1002320.0	**15386790.5**	**1488.8**	**206.145**	**135.915**	**33.4**	**246.918**	**34.8**	**19.649**	**0.484**	**0.747**	**57.1**	**0.890**	**64.3**	**-1.682**	**-0.335**	**11.3**	**1.715**	**BF exceeds limit NG**
1002324.0	**15386787.6**	**1488.8**	**202.999**	**133.568**	**33.3**	**243.000**	**34.5**	**19.337**	**0.462**	**0.722**	**57.4**	**0.857**	**63.9**	**-1.605**	**-0.342**	**12.0**	**1.641**	**BF exceeds limit NG**
1002328.0	**15386784.6**	**1488.8**	**200.082**	**131.403**	**33.3**	**239.373**	**34.2**	**19.049**	**0.447**	**0.695**	**57.3**	**0.826**	**64.3**	**-1.511**	**-0.328**	**12.2**	**1.546**	**BF exceeds limit NG**
1002332.0	**15386781.6**	**1488.9**	**197.423**	**129.441**	**33.3**	**236.074**	**33.9**	**18.786**	**0.437**	**0.667**	**56.8**	**0.797**	**65.1**	**-1.407**	**-0.296**	**11.9**	**1.437**	**BF exceeds limit NG**
1002336.0	**15386778.6**	**1488.9**	**195.109**	**127.740**	**33.2**	**233.206**	**33.6**	**18.558**	**0.430**	**0.640**	**56.1**	**0.771**	**66.2**	**-1.299**	**-0.252**	**11.0**	**1.323**	**BF exceeds limit NG**
1002340.0	**15386775.6**	**1488.9**	**193.090**	**126.261**	**33.2**	**230.706**	**33.4**	**18.359**	**0.426**	**0.616**	**55.3**	**0.748**	**67.2**	**-1.195**	**-0.202**	**9.6**	**1.212**	**BF exceeds limit NG**
1002344.0	**15386772.6**	**1488.3**	**186.651**	**121.511**	**33.1**	**222.719**	**32.7**	**17.723**	**0.380**	**0.577**	**56.6**	**0.691**	**60.1**	**-1.059**	**-0.253**	**13.4**	**1.089**	**BF exceeds limit NG**
1002348.0	**15386769.6**	**1488.2**	**184.514**	**119.946**	**33.0**	**220.074**	**32.5**	**17.513**	**0.371**	**0.558**	**56.4**	**0.670**	**57.8**	**-0.964**	**-0.224**	**13.1**	**0.989**	**BF exceeds limit NG**

Max BF along centerline is 371.224 (mG) at 215.000 (ft) from structure Undefined (#82 in line)

Cross section results at max BF along centerline between structures Undefined (#82 in line) and Undefined (#83 in line)





3D EMF Point Results Span from Undefined (#82 in line) to Undefined (#83 in line):

Measurement			B					H	EF					Space Potential			
X (ft)	Y (ft)	Z (ft)	Real (mG)	Imaginary (mG)	Angle (deg)	Magnitude (mG)	Polarization Axial Ratio %	Magnitude (A/m)	Real (kV/m)	Imaginary (kV/m)	Angle (deg)	Magnitude (kV/m)	Polarization Axial Ratio %	Real (kV)	Imaginary (kV)	Angle (deg)	Magnitude (kV)
1002260.4	15387053.4	1488.1	10.221	5.063	26.4	11.407	0.5	0.908	0.063	0.008	7.5	0.063	5.6	0.235	-0.015	-3.8	0.235
1002257.4	15387049.4	1488.0	10.828	5.339	26.2	12.073	0.6	0.961	0.068	0.009	7.7	0.068	5.5	0.252	-0.015	-3.4	0.253
1002254.4	15387045.4	1487.9	11.490	5.638	26.1	12.798	0.6	1.018	0.073	0.010	7.9	0.074	5.4	0.271	-0.015	-3.1	0.271
1002251.4	15387041.4	1487.8	12.214	5.963	26.0	13.591	0.7	1.082	0.080	0.011	8.1	0.081	5.3	0.291	-0.014	-2.8	0.292
1002248.4	15387037.4	1487.7	13.011	6.317	25.9	14.463	0.8	1.151	0.087	0.013	8.3	0.088	5.2	0.316	-0.013	-2.4	0.316
1002245.4	15387033.4	1487.6	13.889	6.704	25.8	15.422	0.9	1.227	0.095	0.014	8.5	0.096	5.1	0.343	-0.012	-2.0	0.344
1002242.4	15387029.4	1487.3	14.847	7.124	25.6	16.468	1.0	1.310	0.105	0.016	8.7	0.106	5.0	0.366	-0.012	-1.9	0.366
1002239.5	15387025.4	1486.7	15.899	7.580	25.5	17.614	1.1	1.402	0.115	0.018	8.8	0.117	4.9	0.384	-0.013	-1.9	0.384
1002236.5	15387021.4	1486.3	17.069	8.083	25.3	18.886	1.2	1.503	0.127	0.020	9.0	0.129	4.8	0.406	-0.014	-2.0	0.407
1002233.5	15387017.4	1485.9	18.377	8.639	25.2	20.306	1.3	1.616	0.141	0.023	9.2	0.143	4.7	0.435	-0.014	-1.9	0.435
1002230.5	15387013.4	1485.9	19.865	9.263	25.0	21.918	1.5	1.744	0.157	0.026	9.4	0.159	4.6	0.483	-0.012	-1.5	0.483
1002227.5	15387009.3	1485.7	21.522	9.950	24.8	23.711	1.6	1.887	0.175	0.029	9.5	0.177	4.5	0.527	-0.012	-1.3	0.528
1002224.5	15387005.3	1485.2	23.354	10.703	24.6	25.690	1.9	2.044	0.196	0.034	9.7	0.199	4.5	0.558	-0.015	-1.5	0.558
1002221.5	15387001.3	1483.9	25.334	11.511	24.4	27.827	2.2	2.214	0.221	0.038	9.9	0.224	4.5	0.546	-0.026	-2.7	0.547
1002218.5	15386997.3	1483.8	27.731	12.468	24.2	30.405	2.4	2.420	0.250	0.044	10.0	0.253	4.4	0.609	-0.026	-2.5	0.610
1002215.5	15386993.3	1483.5	30.431	13.532	24.0	33.304	2.7	2.650	0.284	0.051	10.1	0.288	4.4	0.663	-0.030	-2.6	0.663
1002212.5	15386989.3	1483.6	33.630	14.767	23.7	36.729	3.0	2.923	0.324	0.059	10.3	0.329	4.3	0.764	-0.026	-2.0	0.765
1002209.5	15386985.3	1483.8	37.370	16.183	23.4	40.724	3.3	3.241	0.371	0.068	10.4	0.378	4.3	0.893	-0.021	-1.3	0.893
1002206.6	15386981.3	1483.3	41.518	17.738	23.1	45.149	3.8	3.593	0.429	0.079	10.5	0.436	4.3	0.967	-0.029	-1.7	0.967
1002203.6	15386977.3	1482.7	46.282	19.501	22.8	50.223	4.3	3.997	0.497	0.093	10.6	0.506	4.3	1.031	-0.043	-2.4	1.032
1002200.6	15386973.3	1482.3	51.908	21.545	22.5	56.201	4.9	4.472	0.580	0.110	10.8	0.590	4.3	1.122	-0.058	-2.9	1.124
1002197.6	15386969.3	1481.9	58.532	23.916	22.2	63.230	5.6	5.032	0.680	0.131	10.9	0.692	4.4	1.233	-0.075	-3.5	1.235

1002194.6	15386965.3	1481.6	66.322	26.668	21.9	71.482	6.4	5.688	0.799	0.157	11.1	0.815	4.4	1.355	-0.099	-4.2	1.359	
1002191.6	15386961.3	1481.2	75.517	29.887	21.6	81.216	7.4	6.463	0.942	0.189	11.4	0.961	4.5	1.496	-0.128	-4.9	1.502	
1002188.6	15386957.3	1481.0	86.446	33.692	21.3	92.780	8.5	7.383	1.110	0.230	11.7	1.134	4.6	1.673	-0.162	-5.5	1.681	
1002185.6	15386953.3	1480.7	99.273	38.188	21.0	106.365	9.9	8.464	1.302	0.283	12.2	1.333	4.7	1.871	-0.206	-6.3	1.882	
1002182.6	15386949.2	1480.6	114.485	43.600	20.8	122.507	11.5	9.749	1.512	0.350	13.0	1.552	4.8	2.135	-0.251	-6.7	2.149	
1002179.6	**15386945.2**	**1480.6**	**132.320**	**50.163**	**20.8**	**141.509**	**13.3**	**11.261**	**1.723**	**0.438**	**14.3**	**1.778**	**4.9**	**2.472**	**-0.291**	**-6.7**	**2.489**	**EF exceeds limit NG**
1002176.6	**15386941.2**	**1480.6**	**152.301**	**58.068**	**20.9**	**162.995**	**15.6**	**12.971**	**1.901**	**0.552**	**16.2**	**1.979**	**4.8**	**2.827**	**-0.333**	**-6.7**	**2.847**	**EF exceeds limit NG**
1002173.6	**15386937.2**	**1480.6**	**173.402**	**67.539**	**21.3**	**186.091**	**18.3**	**14.809**	**1.993**	**0.698**	**19.3**	**2.112**	**4.5**	**3.150**	**-0.378**	**-6.9**	**3.172**	**EF exceeds limit NG**
1002170.7	**15386933.2**	**1480.6**	**193.978**	**78.795**	**22.1**	**209.370**	**21.6**	**16.661**	**1.937**	**0.879**	**24.4**	**2.127**	**3.9**	**3.390**	**-0.422**	**-7.1**	**3.416**	**BF and EF exceed limits NG**
1002167.7	**15386929.2**	**1480.9**	**213.770**	**92.537**	**23.4**	**232.939**	**25.3**	**18.537**	**1.683**	**1.084**	**32.8**	**2.002**	**2.3**	**3.593**	**-0.393**	**-6.2**	**3.615**	**BF and EF exceed limits NG**
1002164.7	**15386925.2**	**1481.5**	**233.918**	**110.208**	**25.2**	**258.580**	**29.6**	**20.577**	**1.239**	**1.282**	**46.0**	**1.782**	**8.6**	**3.732**	**-0.157**	**-2.4**	**3.735**	**BF and EF exceed limits NG**
1002161.7	**15386921.2**	**1482.8**	**258.101**	**135.296**	**27.7**	**291.413**	**34.8**	**23.190**	**0.764**	**1.410**	**61.6**	**1.603**	**29.1**	**3.603**	**0.476**	**7.5**	**3.634**	**BF and EF exceed limits NG**
1002158.7	**15386917.2**	**1485.0**	**287.351**	**172.813**	**31.0**	**335.313**	**41.0**	**26.683**	**0.832**	**1.416**	**59.6**	**1.642**	**58.0**	**2.733**	**1.432**	**27.7**	**3.085**	**BF and EF exceed limits NG**
1002155.7	**15386913.2**	**1486.7**	**302.888**	**214.630**	**35.3**	**371.224**	**45.8**	**29.541**	**1.315**	**1.264**	**43.9**	**1.824**	**63.3**	**1.052**	**1.835**	**60.2**	**2.115**	**BF and EF exceed limits NG**
1002152.7	**15386909.2**	**1486.7**	**285.912**	**231.484**	**39.0**	**367.873**	**43.8**	**29.274**	**1.664**	**0.869**	**27.6**	**1.877**	**48.6**	**-0.285**	**1.077**	**-75.1**	**1.114**	**BF and EF exceed limits NG**
1002149.7	**15386905.2**	**1488.3**	**287.342**	**265.827**	**42.8**	**391.445**	**40.1**	**31.150**	**2.052**	**1.038**	**26.8**	**2.300**	**41.2**	**-2.250**	**-0.075**	**1.9**	**2.251**	**BF and EF exceed limits NG**
1002146.7	**15386901.2**	**1488.1**	**262.709**	**254.994**	**44.1**	**366.113**	**33.0**	**29.134**	**2.186**	**1.391**	**32.5**	**2.591**	**23.8**	**-2.900**	**-1.520**	**27.7**	**3.274**	**BF and EF exceed limits NG**
1002143.7	**15386897.2**	**1486.7**	**224.411**	**215.386**	**43.8**	**311.049**	**26.7**	**24.753**	**2.151**	**1.701**	**38.3**	**2.742**	**10.6**	**-2.386**	**-1.995**	**39.9**	**3.110**	**BF and EF exceed limits NG**
1002140.7	**15386893.2**	**1486.2**	**195.251**	**185.364**	**43.5**	**269.226**	**22.0**	**21.424**	**2.026**	**1.902**	**43.2**	**2.779**	**5.5**	**-2.179**	**-2.254**	**46.0**	**3.136**	**BF and EF exceed limits NG**
1002137.7	**15386889.2**	**1482.8**	**150.843**	**135.311**	**41.9**	**202.639**	**18.5**	**16.126**	**1.794**	**1.844**	**45.8**	**2.573**	**0.8**	**-0.263**	**-0.570**	**65.3**	**0.627**	**BF and EF exceed limits NG**
1002134.8	**15386885.1**	**1480.4**	**122.130**	**105.580**	**40.8**	**161.439**	**15.9**	**12.847**	**1.550**	**1.693**	**47.5**	**2.296**	**0.7**	**0.784**	**0.518**	**33.5**	**0.939**	**EF exceeds limit NG**
1002131.8	**15386881.1**	**1478.5**	**101.522**	**85.329**	**40.0**	**132.619**	**13.8**	**10.553**	**1.300**	**1.464**	**48.4**	**1.958**	**0.7**	**1.285**	**1.087**	**40.2**	**1.683**	**EF exceeds limit NG**
1002128.8	**15386877.1**	**1477.7**	**87.535**	**72.267**	**39.5**	**113.512**	**12.0**	**9.033**	**1.068**	**1.217**	**48.7**	**1.619**	**0.6**	**1.193**	**1.002**	**40.0**	**1.558**	**EF exceeds limit NG**
1002125.8	15386873.1	1475.9	74.180	59.815	38.9	95.291	10.7	7.583	0.875	1.002	48.9	1.330	0.7	1.372	1.217	41.6	1.834	
1002122.8	15386869.1	1473.5	62.821	49.460	38.2	79.955	9.7	6.363	0.717	0.821	48.9	1.090	1.0	1.579	1.466	42.9	2.154	
1002119.8	15386865.1	1471.5	54.289	41.943	37.7	68.604	8.7	5.459	0.590	0.675	48.8	0.896	1.4	1.582	1.488	43.2	2.172	
1002116.8	15386861.1	1471.6	48.785	37.322	37.4	61.424	7.8	4.888	0.490	0.560	48.8	0.744	1.8	1.251	1.134	42.2	1.689	
1002113.8	15386857.1	1471.7	43.948	33.290	37.1	55.133	7.0	4.387	0.410	0.470	48.9	0.624	2.2	0.995	0.865	41.0	1.318	
1002110.8	15386853.1	1471.8	39.705	29.782	36.9	49.633	6.2	3.950	0.346	0.398	49.0	0.528	2.6	0.795	0.660	39.7	1.033	
1002107.8	15386849.1	1471.7	35.878	26.638	36.6	44.686	5.6	3.556	0.295	0.341	49.1	0.450	2.9	0.663	0.532	38.7	0.851	
1002104.8	15386845.1	1471.5	32.530	23.918	36.3	40.376	5.1	3.213	0.253	0.293	49.3	0.387	3.3	0.562	0.437	37.9	0.712	
1002101.9	15386841.1	1471.5	29.672	21.626	36.1	36.717	4.6	2.922	0.218	0.255	49.4	0.336	3.6	0.462	0.342	36.6	0.575	
1002098.9	15386837.1	1471.5	27.139	19.613	35.9	33.484	4.2	2.665	0.190	0.223	49.6	0.293	3.8	0.385	0.273	35.3	0.472	
1002095.9	15386833.1	1471.5	24.901	17.852	35.6	30.639	3.8	2.438	0.166	0.196	49.8	0.257	4.1	0.324	0.218	34.0	0.390	
1002092.9	15386829.1	1471.3	22.900	16.290	35.4	28.103	3.5	2.236	0.146	0.174	50.0	0.227	4.3	0.279	0.182	33.1	0.333	
1002089.9	15386825.0	1470.0	20.970	14.790	35.2	25.661	3.3	2.042	0.128	0.154	50.2	0.201	4.6	0.289	0.209	35.8	0.357	
1002086.9	15386821.0	1469.1	19.319	13.522	35.0	23.582	3.1	1.877	0.114	0.138	50.5	0.179	4.8	0.282	0.214	37.2	0.354	
1002083.9	15386817.0	1467.9	17.831	12.390	34.8	21.713	2.9	1.728	0.102	0.124	50.7	0.160	5.1	0.283	0.228	38.9	0.363	
1002080.9	15386813.0	1468.3	16.649	11.506	34.6	20.238	2.7	1.610	0.091	0.112	51.0	0.144	5.2	0.235	0.182	37.7	0.297	
1002077.9	15386809.0	1468.6	15.564	10.701	34.5	18.888	2.5	1.503	0.082	0.101	51.2	0.130	5.4	0.199	0.148	36.7	0.248	
1002074.9	15386805.0	1468.2	14.533	9.936	34.4	17.605	2.3	1.401	0.073	0.092	51.5	0.118	5.6	0.185	0.140	37.3	0.232	
1002071.9	15386801.0	1468.2	13.627	9.272	34.2	16.482	2.1	1.312	0.066	0.084	51.7	0.107	5.7	0.162	0.121	36.8	0.202	
1002068.9	15386797.0	1467.8	12.780	8.653	34.1	15.434	2.0	1.228	0.060	0.077	52.0	0.098	5.9	0.151	0.115	37.4	0.190	
1002066.0	15386793.0	1467.4	12.005	8.090	34.0	14.477	1.9	1.152	0.055	0.071	52.3	0.089	6.1	0.143	0.112	38.2	0.182	
1002063.0	15386789.0	1464.9	11.218	7.518	33.8	13.504	1.9	1.075	0.050	0.065	52.5	0.082	6.3	0.167	0.150	41.9	0.224	
1002060.0	15386785.0	1463.0	10.527	7.021	33.7	12.654	1.8	1.007	0.046	0.060	52.8	0.075	6.5	0.178	0.171	43.8	0.247	
1002057.0	15386781.0	1462.6	9.954	6.613	33.6	11.950	1.7	0.951	0.042	0.055	53.0	0.069	6.6	0.166	0.161	44.1	0.231	
1002054.0	15386777.0	1462.8	9.440	6.251	33.5	11.322	1.6	0.901	0.038	0.051	53.3	0.064	6.8	0.149	0.144	44.1	0.207	
1002051.0	15386773.0	1464.8	9.014	5.954	33.4	10.803	1.4	0.860	0.035	0.048	53.7	0.059	6.9	0.112	0.102	42.1	0.152	

Critical Energy/Electric Infrastructure Information (CEII) Has Been Redacted From This Document

PLS-CADD Version 20.01x64 11:24:53 AM Friday, February 28, 2025
Quanta Services - Dashiell
Project Name: 'C:\projects\L68\0026-0068-700 REV 0-0E PLS CADD MODEL.don'
Line Title: 'PROPOSED L723 AND EXISTING L68 MERGED'

3D EMF Calculation Notes:
1) Calculations based on the EPRI Red Book methods (3rd Edition, 2005 - 7.4 Calculation of Magnetic Fields and Appendices 7.1 Calculation of Field Ellipse Parameters and 7.6 Electric Field Calculations for 3D Geometry).
2) All wire positions are modeled at the specified weather case and wind direction. Height above ground determined by the modeled ground TIN.
3) Only the effects of wires are being analyzed. The effects of structures are not included unless enabled as noted below.
4) Ground return is being ignored for magnetic field calculations.

Meter height above ground:	3.28	(ft)
Maximum wire distance:	500.00	(ft)
Maximum cable segment size:	5.00	(ft)
Cross section offset +/-:	175.00	(ft)
Result interval:	5.00	(ft)
Electric field limit:	1.60	(kV/m)
Magnetic field limit:	200.00	(mG)
Space potential limit:	0.00	(kV)
Contour Map Spacing:	15	(ft)
Analyzing spans between these structures:	Undefined (#111 in line) - Undefined (#112 in line)	

One or more sections have wind from both directions which is not supported. A wind direction of left is being used for those sections.

Section Data for 3D EMF Results:

Section Number	Section Note	Voltage Ph-Ph (kV)	Current (Amps)	Cable Filename	Cable Description	Conductors Per Phase	Bundle Diameter (in)	Cable Radius (in)	Weather Case	Condition	Wind Dir.	WC Temperature (deg F)	Effective Radius (in)
6		0.0	0.0	OPGW DNO-11467 S4-53-61-583.wir	AFL OPGW 72 FIBER PENTACORE S4-53/61/583	1	0.000	0.291	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.291
13		115.0	[redacted]	drake_acsr.wir	795 kcmil 26/7 Strands DRAKE ACSR	2	18.000	0.554	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	3.158
17		115.0	[redacted]	drake_acsr.wir	795 kcmil 26/7 Strands DRAKE ACSR	2	18.000	0.554	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	3.158
21		115.0	[redacted]	drake_acsr.wir	795 kcmil 26/7 Strands DRAKE ACSR	2	18.000	0.554	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	3.158
34		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.217
52		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.217
69		230.0	[redacted]	ortolan_acsr.wir	1033.5 kcmil 45/7 Strands ORTOLAN ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.606	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.606

Centerline results between structures Undefined (#111 in line) and Undefined (#112 in line)

3D EMF Point Results Centerline from Undefined (#111 in line) to Undefined (#112 in line):

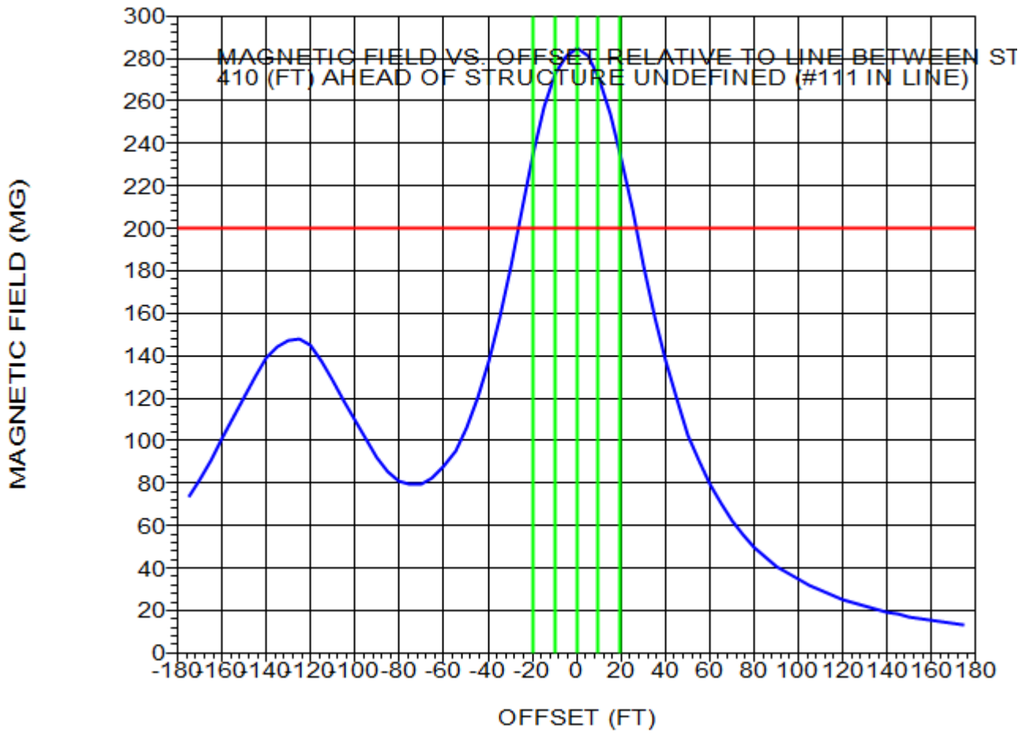
Measurement X (ft)	Measurement Y (ft)	Measurement Z (ft)	B Real (mG)	B Imaginary (mG)	B Angle (deg)	B Magnitude (mG)	B Polarization Axial Ratio %	H Magnitude (A/m)	EF Real (kV/m)	EF Imaginary (kV/m)	EF Angle (deg)	EF Magnitude (kV/m)	EF Polarization Axial Ratio %	Space Potential Real (kV)	Space Potential Imaginary (kV)	Space Potential Angle (deg)	Space Potential Magnitude (kV)
1018477.8	15375400.1	1515.8	129.371	84.338	33.1	154.434	37.9	12.289	0.176	0.331	62.0	0.375	45.6	-1.569	-0.487	17.2	1.642
1018482.0	15375397.4	1515.2	129.411	84.096	33.0	154.336	37.7	12.282	0.173	0.333	62.6	0.375	43.9	-1.592	-0.510	17.8	1.671
1018486.3	15375394.8	1514.6	129.376	83.776	32.9	154.131	37.5	12.265	0.164	0.336	64.0	0.374	41.4	-1.621	-0.543	18.5	1.709
1018490.5	15375392.1	1514.3	131.535	85.091	32.9	156.659	37.5	12.467	0.177	0.349	63.2	0.392	42.2	-1.656	-0.543	18.2	1.742
1018494.7	15375389.5	1514.1	134.586	87.064	32.9	160.293	37.4	12.756	0.196	0.367	61.9	0.416	43.8	-1.696	-0.533	17.4	1.778
1018499.0	15375386.8	1513.7	137.238	88.731	32.9	163.424	37.4	13.005	0.208	0.384	61.5	0.437	44.2	-1.740	-0.533	17.0	1.820
1018503.2	15375384.2	1513.2	139.662	90.225	32.9	166.271	37.4	13.231	0.216	0.400	61.7	0.455	44.0	-1.789	-0.540	16.8	1.869
1018507.4	15375381.5	1512.7	142.326	91.900	32.9	169.418	37.4	13.482	0.224	0.418	61.8	0.474	43.9	-1.842	-0.541	16.4	1.920
1018511.7	15375378.8	1512.3	145.723	94.129	32.9	173.480	37.4	13.805	0.240	0.437	61.2	0.499	44.5	-1.898	-0.525	15.5	1.969
1018515.9	15375376.2	1512.1	150.291	97.247	32.9	179.009	37.6	14.245	0.269	0.460	59.7	0.533	46.1	-1.957	-0.482	13.8	2.015
1018520.2	15375373.5	1511.3	151.687	97.982	32.9	180.581	37.5	14.370	0.263	0.469	60.7	0.538	44.5	-2.015	-0.492	13.7	2.074
1018524.4	15375370.9	1509.9	149.231	95.830	32.7	177.350	37.1	14.113	0.214	0.462	65.2	0.509	38.2	-2.072	-0.570	15.4	2.149
1018528.6	15375368.2	1508.6	147.128	93.959	32.6	174.570	36.8	13.892	0.168	0.457	69.8	0.487	30.9	-2.128	-0.635	16.6	2.221
1018532.9	15375365.6	1507.9	148.889	94.990	32.5	176.610	36.7	14.054	0.171	0.463	69.7	0.494	30.5	-2.177	-0.614	15.8	2.262
1018537.1	15375362.9	1508.0	156.120	100.128	32.7	185.470	37.1	14.759	0.240	0.489	63.9	0.544	38.9	-2.217	-0.477	12.1	2.267
1018541.3	15375360.3	1507.2	157.006	100.516	32.6	186.426	37.0	14.835	0.238	0.490	64.1	0.545	38.4	-2.249	-0.457	11.5	2.295
1018545.6	15375357.6	1506.0	155.542	99.151	32.5	184.457	36.8	14.679	0.212	0.482	66.2	0.526	35.5	-2.272	-0.475	11.8	2.321
1018549.8	15375354.9	1505.3	157.205	100.140	32.5	186.391	36.8	14.832	0.226	0.484	65.0	0.534	37.4	-2.284	-0.425	10.5	2.323

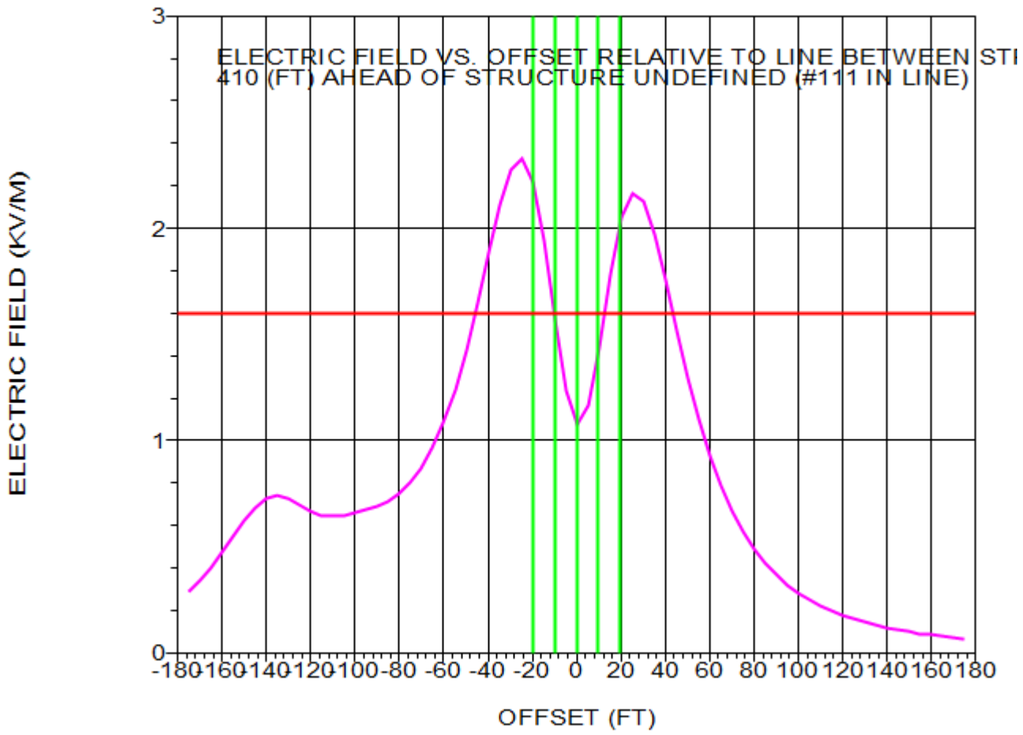
1018554.0	15375352.3	1504.1	155.253	98.435	32.4	183.829	36.4	14.629	0.201	0.471	66.9	0.512	34.9	-2.288	-0.436	10.8	2.329	
1018558.3	15375349.6	1502.6	152.198	95.926	32.2	179.906	36.1	14.316	0.167	0.453	69.7	0.483	30.7	-2.285	-0.460	11.4	2.331	
1018562.5	15375347.0	1501.6	151.274	95.022	32.1	178.643	35.8	14.216	0.160	0.442	70.1	0.471	30.2	-2.275	-0.437	10.9	2.317	
1018566.7	15375344.3	1500.6	150.755	94.432	32.1	177.889	35.7	14.156	0.160	0.433	69.7	0.461	30.7	-2.260	-0.402	10.1	2.295	
1018571.0	15375341.7	1499.2	147.868	92.107	31.9	174.209	35.3	13.863	0.136	0.414	71.8	0.436	27.4	-2.239	-0.407	10.3	2.276	
1018575.2	15375339.0	1497.5	142.908	88.285	31.7	167.979	34.8	13.367	0.096	0.389	76.1	0.401	20.9	-2.215	-0.448	11.4	2.260	
1018579.5	15375336.3	1497.0	145.198	89.801	31.7	170.724	34.8	13.586	0.129	0.390	71.7	0.411	27.8	-2.177	-0.357	9.3	2.206	
1018583.7	15375333.7	1495.4	141.411	86.880	31.6	165.967	34.4	13.207	0.107	0.370	73.9	0.385	25.1	-2.135	-0.376	10.0	2.168	
1018587.9	15375331.0	1494.4	140.282	85.922	31.5	164.504	34.2	13.091	0.111	0.360	72.9	0.377	27.3	-2.080	-0.349	9.5	2.109	
1018592.2	15375328.4	1493.3	139.195	84.989	31.4	163.090	33.8	12.978	0.114	0.351	72.0	0.369	29.8	-2.020	-0.351	9.9	2.050	
1018596.4	15375325.7	1492.6	139.700	85.245	31.4	163.655	33.8	13.023	0.130	0.349	69.6	0.372	34.4	-1.942	-0.302	8.9	1.965	
1018600.6	15375323.1	1491.7	139.432	84.951	31.4	163.273	33.7	12.993	0.139	0.344	68.1	0.371	38.0	-1.854	-0.270	8.3	1.874	
1018604.9	15375320.4	1490.7	138.469	84.166	31.3	162.042	33.5	12.895	0.141	0.337	67.3	0.366	40.3	-1.758	-0.251	8.1	1.776	
1018609.1	15375317.8	1489.8	137.982	83.737	31.3	161.403	33.4	12.844	0.146	0.333	66.3	0.363	43.1	-1.655	-0.226	7.8	1.671	
1018613.3	15375315.1	1488.9	137.433	83.277	31.2	160.695	33.3	12.788	0.150	0.328	65.3	0.360	45.5	-1.549	-0.202	7.4	1.562	
1018617.6	15375312.4	1488.2	138.062	83.677	31.2	161.440	33.2	12.847	0.164	0.326	63.3	0.365	49.9	-1.443	-0.158	6.2	1.451	
1018621.8	15375309.8	1487.6	138.982	84.299	31.2	162.550	33.3	12.935	0.180	0.326	61.1	0.372	54.9	-1.339	-0.109	4.6	1.343	
1018626.1	15375307.1	1487.0	139.849	84.891	31.3	163.598	33.3	13.019	0.195	0.324	59.0	0.378	59.7	-1.238	-0.060	2.8	1.239	
1018630.3	15375304.5	1486.3	139.790	84.824	31.2	163.512	33.2	13.012	0.201	0.319	57.8	0.377	62.7	-1.137	-0.024	1.2	1.137	
1018634.5	15375301.8	1485.2	138.215	83.670	31.2	161.567	33.0	12.857	0.190	0.308	58.3	0.362	61.8	-1.034	-0.010	0.5	1.034	
1018638.8	15375299.2	1484.2	136.602	82.499	31.1	159.582	32.9	12.699	0.179	0.296	58.9	0.346	59.4	-0.935	0.005	-0.3	0.935	
1018643.0	15375296.5	1482.9	133.585	80.329	31.0	155.877	32.6	12.404	0.154	0.280	61.2	0.320	50.4	-0.833	-0.002	0.2	0.833	
1018647.2	15375293.8	1482.2	133.637	80.374	31.0	155.945	32.6	12.410	0.157	0.275	60.3	0.317	51.0	-0.751	0.035	-2.7	0.752	
1018651.5	15375291.2	1481.9	135.575	81.781	31.1	158.331	32.7	12.600	0.176	0.277	57.6	0.328	58.2	-0.683	0.097	-8.1	0.690	
1018655.7	15375288.5	1481.5	137.068	82.876	31.2	160.175	32.8	12.746	0.190	0.278	55.6	0.337	63.3	-0.616	0.147	-13.4	0.633	
1018659.9	15375285.9	1480.8	136.803	82.711	31.2	159.863	32.8	12.721	0.188	0.274	55.5	0.332	60.6	-0.539	0.168	-17.3	0.565	
1018664.2	15375283.2	1480.4	138.459	83.937	31.2	161.914	32.9	12.885	0.203	0.277	53.8	0.343	64.6	-0.476	0.212	-24.0	0.521	
1018668.4	15375280.6	1480.0	139.793	84.938	31.3	163.574	33.0	13.017	0.214	0.280	52.6	0.352	66.4	-0.411	0.246	-30.9	0.479	
1018672.6	15375277.9	1479.6	140.909	85.787	31.3	164.969	33.1	13.128	0.222	0.283	51.8	0.360	66.4	-0.346	0.273	-38.3	0.441	
1018676.9	15375275.3	1479.2	142.720	87.145	31.4	167.222	33.3	13.307	0.236	0.289	50.7	0.373	68.2	-0.287	0.305	-46.7	0.419	
1018681.1	15375272.6	1478.9	144.553	88.527	31.5	169.506	33.4	13.489	0.249	0.295	49.8	0.386	69.4	-0.230	0.333	-55.4	0.405	
1018685.4	15375269.9	1478.7	146.884	90.279	31.6	172.410	33.6	13.720	0.266	0.304	48.8	0.404	71.7	-0.178	0.365	-64.0	0.406	
1018689.6	15375267.3	1478.5	149.315	92.112	31.7	175.442	33.8	13.961	0.283	0.314	47.9	0.423	73.6	-0.128	0.394	-71.9	0.414	
1018693.8	15375264.6	1477.8	148.799	91.797	31.7	174.836	33.8	13.913	0.274	0.313	48.8	0.416	65.0	-0.054	0.378	-81.8	0.381	
1018698.1	15375262.0	1477.6	151.124	93.565	31.8	177.744	34.0	14.144	0.289	0.323	48.2	0.433	65.8	-0.004	0.399	-89.4	0.399	
1018702.3	15375259.3	1477.3	152.675	94.753	31.8	179.688	34.2	14.299	0.296	0.329	48.0	0.442	63.1	0.055	0.382	81.8	0.386	
1018706.5	15375256.7	1477.3	156.491	97.634	32.0	184.450	34.6	14.678	0.324	0.345	46.8	0.473	67.3	0.091	0.418	77.7	0.428	
1018710.8	15375254.0	1477.0	158.396	99.118	32.0	186.852	34.7	14.869	0.334	0.354	46.6	0.487	65.2	0.145	0.423	71.1	0.448	
1018715.0	15375251.3	1476.6	159.445	99.974	32.1	188.195	34.8	14.976	0.338	0.361	46.9	0.494	60.5	0.209	0.411	63.1	0.461	
1018719.2	15375248.7	1476.3	160.556	100.880	32.1	189.618	35.0	15.089	0.341	0.369	47.3	0.503	55.8	0.271	0.395	55.5	0.479	
1018723.5	15375246.0	1476.2	164.107	103.605	32.3	194.075	35.3	15.444	0.364	0.387	46.8	0.531	57.1	0.306	0.411	53.3	0.513	
1018727.7	**15375243.4**	**1476.4**	**168.873**	**107.254**	**32.4**	**200.054**	**35.7**	**15.920**	**0.396**	**0.410**	**46.0**	**0.570**	**60.7**	**0.325**	**0.441**	**53.6**	**0.548**	**BF exceeds limit NG**
1018732.0	**15375240.7**	**1476.4**	**172.857**	**110.338**	**32.6**	**205.071**	**36.1**	**16.319**	**0.421**	**0.432**	**45.8**	**0.603**	**61.8**	**0.348**	**0.455**	**52.6**	**0.572**	**BF exceeds limit NG**
1018736.2	**15375238.1**	**1476.3**	**175.893**	**112.724**	**32.7**	**208.913**	**36.3**	**16.625**	**0.437**	**0.452**	**46.0**	**0.629**	**60.5**	**0.376**	**0.449**	**50.1**	**0.586**	**BF exceeds limit NG**
1018740.4	**15375235.4**	**1476.1**	**178.311**	**114.653**	**32.7**	**211.991**	**36.6**	**16.870**	**0.446**	**0.471**	**46.5**	**0.649**	**57.8**	**0.407**	**0.430**	**46.6**	**0.592**	**BF exceeds limit NG**
1018744.7	**15375232.8**	**1476.2**	**183.140**	**118.426**	**32.9**	**218.094**	**37.0**	**17.355**	**0.474**	**0.499**	**46.4**	**0.688**	**59.6**	**0.401**	**0.448**	**48.2**	**0.601**	**BF exceeds limit NG**
1018748.9	**15375230.1**	**1476.4**	**188.069**	**122.301**	**33.0**	**224.338**	**37.5**	**17.852**	**0.501**	**0.528**	**46.5**	**0.728**	**61.3**	**0.385**	**0.468**	**50.6**	**0.606**	**BF exceeds limit NG**
1018753.1	**15375227.4**	**1476.5**	**193.097**	**126.280**	**33.2**	**230.723**	**37.9**	**18.360**	**0.528**	**0.557**	**46.5**	**0.768**	**62.8**	**0.358**	**0.491**	**53.9**	**0.608**	**BF exceeds limit NG**
1018757.4	**15375224.8**	**1476.5**	**197.395**	**129.720**	**33.3**	**236.203**	**38.3**	**18.796**	**0.548**	**0.584**	**46.8**	**0.801**	**63.1**	**0.330**	**0.503**	**56.7**	**0.602**	**BF exceeds limit NG**
1018761.6	**15375222.1**	**1476.7**	**202.967**	**134.177**	**33.5**	**243.308**	**38.8**	**19.362**	**0.577**	**0.615**	**46.8**	**0.843**	**65.4**	**0.276**	**0.543**	**63.1**	**0.609**	**BF exceeds limit NG**
1018765.8	**15375219.5**	**1476.7**	**207.146**	**137.574**	**33.6**	**248.668**	**39.2**	**19.788**	**0.594**	**0.640**	**47.2**	**0.873**	**65.7**	**0.228**	**0.564**	**68.0**	**0.608**	**BF exceeds limit NG**
1018770.1	**15375216.8**	**1476.7**	**211.309**	**140.979**	**33.7**	**254.021**	**39.6**	**20.214**	**0.610**	**0.664**	**47.4**	**0.901**	**66.3**	**0.169**	**0.590**	**74.0**	**0.614**	**BF exceeds limit NG**
1018774.3	**15375214.2**	**1476.7**	**215.485**	**144.417**	**33.8**	**259.403**	**40.0**	**20.643**	**0.625**	**0.686**	**47.6**	**0.928**	**67.2**	**0.100**	**0.622**	**80.9**	**0.630**	**BF exceeds limit NG**
1018778.5	**15375211.5**	**1476.4**	**217.230**	**145.938**	**33.9**	**261.700**	**40.2**	**20.825**	**0.620**	**0.697**	**48.3**	**0.933**	**65.3**	**0.049**	**0.614**	**85.4**	**0.616**	**BF exceeds limit NG**
1018782.8	**15375208.8**	**1476.2**	**218.315**	**146.939**	**33.9**	**263.158**	**40.4**	**20.941**	**0.610**	**0.705**	**49.2**	**0.932**	**63.1**	**-0.003**	**0.595**	**-89.7**	**0.595**	**BF exceeds limit NG**
1018787.0	**15375206.2**	**1475.7**	**217.590**	**146.498**	**34.0**	**262.311**	**40.4**	**20.874**	**0.585**	**0.707**	**50.4**	**0.917**	**58.7**	**-0.041**	**0.541**	**-85.6**	**0.543**	**BF exceeds limit NG**
1018791.3	**15375203.5**	**1475.5**	**219.537**	**148.193**	**34.0**	**264.873**	**40.6**	**21.078**	**0.584**	**0.720**	**51.0**	**0.927**	**58.4**	**-0.117**	**0.536**	**-77.7**	**0.548**	**BF exceeds limit NG**
1018795.5	**15375200.9**	**1475.5**	**223.030**	**151.138**	**34.1**	**269.417**	**40.9**	**21.439**	**0.598**	**0.741**	**51.1**	**0.952**	**60.5**	**-0.215**	**0.555**	**-68.9**	**0.595**	**BF exceeds limit NG**
1018799.7	**15375198.2**	**1474.8**	**219.681**	**148.597**	**34.1**	**265.218**	**40.7**	**21.105**	**0.556**	**0.737**	**53.0**	**0.924**	**53.5**	**-0.235**	**0.435**	**-61.6**	**0.494**	**BF exceeds limit NG**
1018804.0	**15375195.6**	**1474.4**	**218.618**	**147.893**	**34.1**	**263.944**	**40.6**	**21.004**	**0.537**	**0.746**	**54.3**	**0.919**	**49.7**	**-0.284**	**0.351**	**-51.0**	**0.451**	**BF exceeds limit NG**
1018808.2	**15375192.9**	**1474.5**	**222.691**	**151.311**	**34.2**	**269.232**	**41.0**	**21.425**	**0.561**	**0.775**	**54.1**	**0.956**	**53.3**	**-0.394**	**0.365**	**-42.8**	**0.537**	**BF exceeds limit NG**
1018812.4	**15375190.3**	**1474.7**	**228.723**	**156.338**	**34.4**	**277.048**	**41.6**	**22.047**	**0.603**	**0.813**	**53.4**	**1.012**	**59.2**	**-0.528**	**0.417**	**-38.3**	**0.673**	**BF exceeds limit NG**
1018816.7	**15375187.6**	**1474.9**	**234.311**	**161.047**	**34.5**	**284.320**	**42.2**	**22.625**	**0.645**	**0.850**	**52.8**	**1.067**	**64.4**	**-0.661**	**0.464**	**-35.1**	**0.808**	**BF exceeds limit NG**
1018820.9	**15375184.9**	**1474.6**	**234.755**	**161.573**	**34.5**	**284.984**	**42.3**	**22.678**	**0.642**	**0.864**	**53.4**	**1.076**	**64.0**	**-0.744**	**0.411**	**-28.9**	**0.850**	**BF exceeds limit NG**
1018825.1	**15375182.3**	**1474.3**	**234.681**	**161.676**	**34.6**	**284.981**	**42.3**	**22.678**	**0.635**	**0.874**	**54.0**	**1.080**	**63.7**	**-0.829**	**0.357**	**-23.3**	**0.902**	**BF exceeds limit NG**
1018829.4	**15375179.6**	**1473.9**	**233.110**	**160.558**	**34.6**	**283.053**	**42.2**	**22.525**	**0.616**	**0.873**	**54.8**	**1.069**	**62.3**	**-0.905**	**0.285**	**-17.5**	**0.948**	**BF exceeds limit NG**
1018833.6	**15375177.0**	**1473.4**	**230.519**	**158.612**	**34.5**	**279.816**	**42.1**	**22.267**	**0.589**	**0.866**	**55.8**	**1.047**	**60.5**	**-0.976**	**0.204**	**-11.8**	**0.997**	**BF exceeds limit NG**
1018837.9	**15375174.3**	**1472.9**	**227.402**	**156.245**	**34.5**	**275.906**	**41.8**	**21.956**	**0.559**	**0.853**	**56.7**	**1.020**	**58.6**	**-1.046**	**0.128**	**-7.0**	**1.053**	**BF exceeds limit NG**
1018842.1	**15375171.7**	**1472.3**	**224.114**	**153.750**	**34.5**	**271.783**	**41.6**	**21.628**	**0.531**	**0.837**	**57.6**	**0.991**	**57.1**	**-1.115**	**0.062**	**-3.2**	**1.116**	**BF exceeds limit NG**
1018846.3	**15375169.0**	**1471.6**	**218.807**	**149.639**	**34.4**	**265.082**	**41.2**	**21.095**	**0.486**	**0.810**	**59.0**	**0.945**	**53.5**	**-1.164**	**-0.033**	**1.6**	**1.164**	**BF exceeds limit NG**
1018850.6	**15375166.3**	**1471.1**	**215.943**	**147.509**	**34.3**	**261.516**	**41.0**	**20.811**	**0.467**	**0.792**	**59.5**	**0.919**	**53.5**	**-1.231**	**-0.063**	**2.9**	**1.232**	**BF exceeds limit NG**
1018854.8	**15375163.7**	**1470.8**	**214.914**	**146.857**	**34.3**	**260.298**	**41.0**	**20.714**	**0.469**	**0.779**	**59.0**	**0.910**	**56.3**	**-1.306**	**-0.043**	**1.9**	**1.307**	**BF exceeds limit NG**
1018859.0	**15375161.0**	**1470.0**	**208.222**	**141.687**	**34.2**	**251.857**	**40.5**	**20.042**	**0.420**	**0.744**	**60.6**	**0.854**	**52.0**	**-1.329**	**-0.134**	**5.8**	**1.336**	**BF exceeds limit NG**
1018863.3	**15375158.4**	**1469.2**	**202.388**	**137.234**	**34.1**	**244.529**	**40.1**	**19.459**	**0.382**	**0.712**	**61.8**	**0.808**	**48.9**	**-1.353**	**-0.199**	**8.4**	**1.368**	**BF exceeds limit NG**

1018867.5	**15375155.7**	**1468.7**	**199.744**	**135.319**	**34.1**	**241.265**	**40.0**	**19.199**	**0.376**	**0.691**	**61.5**	**0.787**	**50.7**	**-1.395**	**-0.191**	**7.8**	**1.408**	**BF exceeds limit NG**
1018871.7	**15375153.1**	**1468.2**	**196.455**	**132.903**	**34.1**	**237.187**	**39.8**	**18.875**	**0.365**	**0.668**	**61.3**	**0.761**	**51.7**	**-1.426**	**-0.194**	**7.7**	**1.439**	**BF exceeds limit NG**
1018876.0	**15375150.4**	**1467.4**	**190.604**	**128.491**	**34.0**	**229.869**	**39.4**	**18.292**	**0.331**	**0.636**	**62.5**	**0.717**	**48.9**	**-1.432**	**-0.246**	**9.8**	**1.453**	**BF exceeds limit NG**
1018880.2	**15375147.8**	**1466.6**	**184.891**	**124.213**	**33.9**	**222.741**	**39.0**	**17.725**	**0.299**	**0.605**	**63.7**	**0.675**	**46.0**	**-1.436**	**-0.295**	**11.6**	**1.466**	**BF exceeds limit NG**
1018884.5	**15375145.1**	**1465.8**	**179.316**	**120.064**	**33.8**	**215.800**	**38.7**	**17.173**	**0.270**	**0.576**	**64.9**	**0.636**	**42.9**	**-1.436**	**-0.342**	**13.4**	**1.476**	**BF exceeds limit NG**
1018888.7	**15375142.4**	**1465.2**	**175.370**	**117.191**	**33.8**	**210.922**	**38.5**	**16.785**	**0.256**	**0.554**	**65.1**	**0.610**	**42.7**	**-1.443**	**-0.359**	**14.0**	**1.487**	**BF exceeds limit NG**
1018892.9	**15375139.8**	**1464.9**	**173.909**	**116.238**	**33.8**	**209.178**	**38.4**	**16.646**	**0.268**	**0.542**	**63.7**	**0.605**	**47.3**	**-1.461**	**-0.332**	**12.8**	**1.498**	**BF exceeds limit NG**
1018897.2	**15375137.1**	**1464.5**	**171.931**	**114.890**	**33.8**	**206.785**	**38.4**	**16.455**	**0.275**	**0.531**	**62.6**	**0.597**	**50.6**	**-1.474**	**-0.320**	**12.2**	**1.508**	**BF exceeds limit NG**
1018901.4	**15375134.5**	**1464.0**	**168.655**	**112.609**	**33.7**	**202.794**	**38.3**	**16.138**	**0.271**	**0.517**	**62.3**	**0.583**	**51.7**	**-1.477**	**-0.337**	**12.8**	**1.515**	**BF exceeds limit NG**
1018905.6	15375131.8	1463.4	164.931	109.930	33.7	198.209	38.1	15.773	0.260	0.500	62.6	0.564	51.5	-1.478	-0.364	13.8	1.522	
1018909.9	15375129.2	1462.8	161.368	107.383	33.6	193.832	37.9	15.425	0.250	0.485	62.7	0.546	51.5	-1.480	-0.389	14.7	1.531	
1018914.1	15375126.5	1462.3	157.801	104.838	33.6	189.452	37.8	15.076	0.241	0.469	62.8	0.527	51.4	-1.483	-0.413	15.6	1.539	
1018918.3	15375123.8	1461.8	154.885	102.795	33.6	185.893	37.7	14.793	0.240	0.455	62.2	0.515	52.6	-1.488	-0.424	15.9	1.547	
1018922.6	15375121.2	1461.1	150.775	99.851	33.5	180.841	37.5	14.391	0.226	0.437	62.7	0.492	51.5	-1.487	-0.455	17.0	1.555	
1018926.8	15375118.5	1460.4	146.325	96.660	33.4	175.369	37.3	13.955	0.208	0.417	63.5	0.466	49.7	-1.485	-0.490	18.2	1.564	
1018931.0	15375115.9	1459.6	141.817	93.432	33.4	169.828	37.1	13.514	0.190	0.396	64.4	0.439	47.7	-1.483	-0.523	19.4	1.573	
1018935.3	15375113.2	1458.8	137.374	90.262	33.3	164.374	37.0	13.080	0.173	0.375	65.3	0.413	45.5	-1.481	-0.553	20.5	1.581	
1018939.5	15375110.6	1458.1	133.588	87.590	33.3	159.743	36.9	12.712	0.163	0.357	65.4	0.392	44.8	-1.481	-0.570	21.1	1.587	
1018943.8	15375107.9	1457.3	129.378	84.603	33.2	154.584	36.7	12.301	0.149	0.337	66.2	0.369	42.7	-1.480	-0.595	21.9	1.595	
1018948.0	15375105.3	1456.4	124.706	81.276	33.1	148.854	36.6	11.845	0.128	0.317	68.0	0.342	39.0	-1.478	-0.628	23.0	1.606	
1018952.2	15375102.6	1455.8	121.491	79.037	33.0	144.938	36.5	11.534	0.125	0.302	67.6	0.327	38.8	-1.479	-0.637	23.3	1.611	
1018956.5	15375099.9	1455.3	119.198	77.484	33.0	142.169	36.6	11.313	0.132	0.291	65.6	0.319	40.5	-1.481	-0.633	23.1	1.611	
1018960.7	15375097.3	1454.7	116.599	75.700	33.0	139.017	36.5	11.063	0.134	0.279	64.3	0.310	40.9	-1.483	-0.637	23.2	1.614	
1018964.9	15375094.6	1453.6	111.844	72.305	32.9	133.181	36.5	10.598	0.110	0.260	67.0	0.282	35.3	-1.486	-0.679	24.6	1.634	
1018969.2	15375092.0	1453.0	109.180	70.460	32.8	129.942	36.5	10.340	0.110	0.249	66.1	0.272	34.6	-1.491	-0.689	24.8	1.643	
1018973.4	15375089.3	1452.3	106.699	68.741	32.8	126.925	36.5	10.100	0.111	0.239	65.0	0.263	33.8	-1.498	-0.700	25.0	1.653	
1018977.6	15375086.7	1452.0	105.872	68.243	32.8	125.960	36.6	10.024	0.130	0.235	61.1	0.269	35.9	-1.504	-0.687	24.5	1.654	
1018981.9	15375084.0	1451.0	102.592	65.898	32.7	121.933	36.5	9.703	0.118	0.222	62.0	0.252	32.2	-1.518	-0.716	25.2	1.679	
1018986.1	15375081.3	1449.8	98.930	63.242	32.6	117.416	36.5	9.344	0.100	0.208	64.3	0.231	26.6	-1.539	-0.754	26.1	1.714	
1018990.4	15375078.7	1448.8	96.247	61.288	32.5	114.104	36.5	9.080	0.091	0.198	65.2	0.218	22.4	-1.563	-0.781	26.5	1.748	
1018994.6	15375076.0	1448.3	95.781	60.963	32.5	113.536	36.6	9.035	0.105	0.196	61.9	0.223	23.8	-1.586	-0.777	26.1	1.766	
1018998.8	15375073.4	1447.5	94.961	60.337	32.4	112.508	36.6	8.953	0.111	0.194	60.3	0.223	23.3	-1.617	-0.784	25.9	1.797	
1019003.1	15375070.7	1446.6	93.863	59.460	32.4	111.112	36.5	8.842	0.110	0.191	59.9	0.220	21.7	-1.657	-0.801	25.8	1.841	
1019007.3	15375068.1	1445.9	94.075	59.526	32.3	111.326	36.5	8.859	0.120	0.193	58.0	0.228	22.2	-1.700	-0.803	25.3	1.880	

Max EF along centerline is 1.080 (kV/m) at 410.000 (ft) from structure Undefined (#111 in line)

Cross section results at max EF along centerline between structures Undefined (#111 in line) and Undefined (#112 in line)


MAGNETIC FIELD VS. OFFSET RELATIVE TO LINE BETWEEN ST
410 (FT) AHEAD OF STRUCTURE UNDEFINED (#111 IN LINE)
MAGNETIC FIELD (MG)
300
280
260
240
220
200
180
160
140
120
100
80
60
40
20
0
-180 -160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 160 180
OFFSET (FT)



3D EMF Point Results Span from Undefined (#111 in line) to Undefined (#112 in line):

Measurement			B					H	EF					Space Potential			
X (ft)	Y (ft)	Z (ft)	Real (mG)	Imaginary (mG)	Angle (deg)	Magnitude (mG)	Polarization Axial Ratio %	Magnitude (A/m)	Real (kV/m)	Imaginary (kV/m)	Angle (deg)	Magnitude (kV/m)	Polarization Axial Ratio %	Real (kV)	Imaginary (kV)	Angle (deg)	Magnitude (kV)
1018918.1	15375330.5	1466.5	50.033	54.059	47.2	73.659	68.7	5.862	0.250	0.141	29.4	0.287	2.8	-0.180	-0.059	18.0	0.189
1018915.5	15375326.3	1466.9	54.830	60.411	47.8	81.583	66.3	6.492	0.276	0.197	35.5	0.339	2.3	-0.235	-0.036	8.7	0.237
1018912.8	15375322.1	1467.4	60.461	67.956	48.3	90.959	63.9	7.238	0.301	0.266	41.5	0.401	1.5	-0.319	0.023	-4.1	0.320
1018910.1	15375317.8	1468.0	66.705	76.342	48.9	101.379	61.5	8.067	0.320	0.347	47.3	0.472	1.2	-0.413	0.113	-15.3	0.428
1018907.5	15375313.6	1468.2	72.469	83.974	49.2	110.920	59.1	8.827	0.330	0.437	52.9	0.548	1.3	-0.462	0.175	-20.8	0.494
1018904.8	15375309.4	1468.2	78.066	91.313	49.5	120.135	57.0	9.560	0.324	0.530	58.6	0.621	1.4	-0.500	0.239	-25.5	0.554
1018902.2	15375305.1	1468.6	84.057	99.144	49.7	129.981	55.2	10.344	0.296	0.617	64.3	0.684	2.2	-0.551	0.357	-32.9	0.656
1018899.5	15375300.9	1469.1	89.779	106.560	49.9	139.339	53.7	11.088	0.243	0.686	70.5	0.727	3.9	-0.583	0.505	-40.9	0.772
1018896.9	15375296.7	1469.2	92.628	110.368	50.0	144.088	52.8	11.466	0.161	0.722	77.4	0.740	5.5	-0.548	0.554	-45.3	0.780
1018894.2	15375292.4	1469.5	94.402	113.111	50.2	147.329	52.6	11.724	0.077	0.723	83.9	0.727	8.6	-0.484	0.627	-52.3	0.792
1018891.6	15375288.2	1470.0	94.390	114.063	50.4	148.053	53.2	11.782	0.122	0.687	79.9	0.698	13.1	-0.369	0.688	-61.8	0.781
1018888.9	15375283.9	1470.4	91.440	112.122	50.8	144.681	54.6	11.513	0.241	0.623	68.8	0.668	17.2	-0.212	0.682	-72.7	0.714
1018886.2	15375279.7	1470.7	85.695	107.667	51.5	137.608	56.8	10.950	0.357	0.541	56.6	0.648	19.0	-0.046	0.615	-85.7	0.617
1018883.6	15375275.5	1470.9	78.197	101.825	52.5	128.386	59.6	10.217	0.455	0.454	45.0	0.643	18.1	0.110	0.522	78.1	0.534
1018880.9	15375271.2	1471.4	70.666	96.084	53.7	119.272	62.8	9.491	0.531	0.374	35.1	0.650	16.1	0.279	0.446	58.0	0.526
1018878.3	15375267.0	1471.8	63.063	90.144	55.0	110.013	65.4	8.755	0.587	0.304	27.4	0.661	13.4	0.431	0.367	40.4	0.566
1018875.6	15375262.8	1472.2	55.888	84.236	56.4	101.089	65.8	8.044	0.628	0.248	21.5	0.675	10.6	0.549	0.287	27.6	0.620
1018873.0	15375258.5	1472.1	48.876	78.131	58.0	92.159	61.9	7.334	0.661	0.205	17.3	0.692	7.7	0.572	0.195	18.8	0.604
1018870.3	15375254.3	1472.2	44.095	73.100	58.9	85.369	54.9	6.793	0.694	0.177	14.3	0.716	5.5	0.596	0.129	12.2	0.610
1018867.6	15375250.1	1472.3	41.918	69.100	58.8	80.820	45.9	6.431	0.735	0.160	12.3	0.752	3.9	0.632	0.084	7.6	0.638
1018865.0	15375245.8	1472.9	43.978	66.675	56.6	79.872	36.9	6.356	0.787	0.154	11.1	0.802	2.7	0.808	0.081	5.8	0.812
1018862.3	15375241.6	1473.1	47.107	64.463	53.8	79.841	27.1	6.354	0.857	0.159	10.5	0.871	1.7	0.881	0.067	4.4	0.884

1018859.7	15375237.4	1473.2	52.686	63.185	50.2	82.269	17.7	6.547	0.950	0.173	10.3	0.965	0.9	0.976	0.067	3.9	0.978	
1018857.0	15375233.1	1473.4	60.601	62.869	46.1	87.321	9.3	6.949	1.069	0.197	10.4	1.088	0.4	1.100	0.080	4.1	1.102	
1018854.4	15375228.9	1473.5	70.885	63.569	41.9	95.214	2.1	7.577	1.220	0.231	10.7	1.242	0.1	1.258	0.106	4.8	1.263	
1018851.7	15375224.6	1473.6	83.551	65.319	38.0	106.053	4.8	8.439	1.403	0.277	11.2	1.430	0.3	1.436	0.143	5.7	1.443	
1018849.1	**15375220.4**	**1473.7**	**99.025**	**68.293**	**34.6**	**120.291**	**10.3**	**9.572**	**1.615**	**0.336**	**11.8**	**1.649**	**0.7**	**1.649**	**0.196**	**6.8**	**1.661**	**EF exceeds limit NG**
1018846.4	**15375216.2**	**1473.8**	**117.161**	**72.553**	**31.8**	**137.807**	**15.1**	**10.966**	**1.840**	**0.412**	**12.6**	**1.886**	**1.1**	**1.848**	**0.260**	**8.0**	**1.866**	**EF exceeds limit NG**
1018843.7	**15375211.9**	**1473.8**	**137.804**	**78.285**	**29.6**	**158.488**	**19.4**	**12.612**	**2.049**	**0.507**	**13.9**	**2.111**	**1.7**	**2.005**	**0.337**	**9.5**	**2.033**	**EF exceeds limit NG**
1018841.1	**15375207.7**	**1473.8**	**160.497**	**85.781**	**28.1**	**181.983**	**23.4**	**14.482**	**2.189**	**0.625**	**15.9**	**2.277**	**2.7**	**2.104**	**0.435**	**11.7**	**2.149**	**EF exceeds limit NG**
1018838.4	**15375203.5**	**1474.1**	**185.627**	**95.838**	**27.3**	**208.908**	**27.3**	**16.624**	**2.200**	**0.764**	**19.2**	**2.329**	**4.8**	**2.212**	**0.600**	**15.2**	**2.292**	**BF and EF exceed limits NG**
1018835.8	**15375199.2**	**1474.2**	**208.368**	**107.920**	**27.4**	**234.657**	**31.3**	**18.673**	**2.018**	**0.915**	**24.4**	**2.216**	**8.2**	**2.037**	**0.762**	**20.5**	**2.175**	**BF and EF exceed limits NG**
1018833.1	**15375195.0**	**1474.4**	**226.689**	**122.118**	**28.3**	**257.489**	**35.3**	**20.490**	**1.633**	**1.052**	**32.8**	**1.942**	**14.3**	**1.585**	**0.906**	**29.8**	**1.826**	**BF and EF exceed limits NG**
1018830.5	**15375190.8**	**1474.4**	**236.088**	**136.540**	**30.0**	**272.728**	**39.1**	**21.703**	**1.099**	**1.124**	**45.6**	**1.572**	**24.2**	**0.822**	**0.903**	**47.7**	**1.221**	**BF exceeds limit NG**
1018827.8	**15375186.5**	**1474.3**	**238.011**	**150.144**	**32.2**	**281.412**	**41.7**	**22.394**	**0.610**	**1.075**	**60.4**	**1.236**	**41.3**	**-0.027**	**0.725**	**-87.8**	**0.726**	**BF exceeds limit NG**
1018825.1	**15375182.3**	**1474.3**	**234.681**	**161.676**	**34.6**	**284.981**	**42.3**	**22.678**	**0.635**	**0.874**	**54.0**	**1.080**	**63.7**	**-0.829**	**0.357**	**-23.3**	**0.902**	**BF exceeds limit NG**
1018822.5	**15375178.0**	**1474.2**	**225.687**	**167.504**	**36.6**	**281.055**	**40.4**	**22.366**	**1.021**	**0.561**	**28.8**	**1.165**	**49.1**	**-1.474**	**-0.223**	**8.6**	**1.491**	**BF exceeds limit NG**
1018819.8	**15375173.8**	**1474.0**	**212.831**	**166.212**	**38.0**	**270.043**	**36.5**	**21.489**	**1.369**	**0.455**	**18.4**	**1.442**	**27.0**	**-1.879**	**-0.875**	**25.0**	**2.073**	**BF exceeds limit NG**
1018817.2	**15375169.6**	**1473.7**	**197.723**	**158.520**	**38.7**	**253.422**	**31.7**	**20.167**	**1.596**	**0.793**	**26.4**	**1.782**	**14.4**	**-2.058**	**-1.430**	**34.8**	**2.506**	**BF and EF exceed limits NG**
1018814.5	**15375165.3**	**1473.5**	**180.917**	**145.839**	**38.9**	**232.379**	**26.8**	**18.492**	**1.691**	**1.158**	**34.4**	**2.049**	**7.7**	**-2.055**	**-1.783**	**40.9**	**2.720**	**BF and EF exceed limits NG**
1018811.9	**15375161.1**	**1473.2**	**163.093**	**130.256**	**38.6**	**208.724**	**22.3**	**16.610**	**1.667**	**1.384**	**39.7**	**2.167**	**4.1**	**-1.933**	**-1.918**	**44.8**	**2.723**	**BF and EF exceed limits NG**
1018809.2	**15375156.9**	**1472.7**	**143.644**	**112.121**	**38.0**	**182.221**	**18.3**	**14.501**	**1.554**	**1.447**	**43.0**	**2.124**	**1.8**	**-1.605**	**-1.750**	**47.5**	**2.375**	**EF exceeds limit NG**
1018806.6	**15375152.6**	**1472.4**	**126.151**	**96.019**	**37.3**	**158.536**	**14.7**	**12.616**	**1.392**	**1.392**	**45.0**	**1.968**	**0.7**	**-1.340**	**-1.546**	**49.1**	**2.046**	**EF exceeds limit NG**
1018803.9	**15375148.4**	**1472.3**	**110.727**	**82.160**	**36.6**	**137.880**	**11.6**	**10.972**	**1.212**	**1.266**	**46.2**	**1.752**	**0.2**	**-1.143**	**-1.360**	**50.0**	**1.777**	**EF exceeds limit NG**
1018801.2	15375144.2	1472.1	97.053	70.167	35.9	119.761	8.9	9.530	1.036	1.111	47.0	1.519	0.2	-0.963	-1.169	50.5	1.514	
1018798.6	15375139.9	1471.3	84.215	59.037	35.0	102.847	6.6	8.184	0.878	0.955	47.4	1.297	0.4	-0.651	-0.822	51.6	1.049	
1018795.9	15375135.7	1471.4	74.631	51.213	34.5	90.513	4.4	7.203	0.740	0.813	47.7	1.100	0.4	-0.601	-0.756	51.5	0.966	
1018793.3	15375131.5	1471.2	66.050	44.313	33.9	79.538	2.5	6.329	0.624	0.690	47.9	0.930	0.5	-0.494	-0.628	51.8	0.799	
1018790.6	15375127.2	1470.9	58.755	38.605	33.3	70.303	0.9	5.595	0.528	0.585	48.0	0.788	0.5	-0.407	-0.522	52.1	0.662	
1018788.0	15375123.0	1470.5	52.472	33.795	32.8	62.414	0.8	4.967	0.448	0.498	48.1	0.670	0.5	-0.320	-0.418	52.6	0.526	
1018785.3	15375118.7	1470.1	47.098	29.778	32.3	55.722	2.1	4.434	0.382	0.426	48.2	0.572	0.5	-0.246	-0.328	53.2	0.410	
1018782.6	15375114.5	1469.7	42.504	26.426	31.9	50.050	3.3	3.983	0.327	0.367	48.3	0.491	0.5	-0.188	-0.258	53.9	0.319	
1018780.0	15375110.3	1469.2	38.568	23.621	31.5	45.226	4.5	3.599	0.282	0.317	48.4	0.425	0.5	-0.146	-0.206	54.6	0.253	
1018777.3	15375106.0	1469.1	35.220	21.304	31.2	41.162	5.6	3.276	0.244	0.276	48.5	0.369	0.5	-0.131	-0.185	54.6	0.227	
1018774.7	15375101.8	1469.0	32.312	19.333	30.9	37.654	6.6	2.996	0.213	0.242	48.7	0.322	0.5	-0.125	-0.174	54.3	0.214	
1018772.0	15375097.6	1468.9	29.754	17.627	30.6	34.584	7.5	2.752	0.186	0.213	48.9	0.283	0.5	-0.120	-0.164	54.0	0.203	
1018769.4	15375093.3	1468.5	27.441	16.089	30.4	31.810	8.4	2.531	0.164	0.189	49.1	0.250	0.5	-0.099	-0.138	54.3	0.170	
1018766.7	15375089.1	1468.0	25.378	14.732	30.1	29.344	9.2	2.335	0.145	0.168	49.3	0.222	0.6	-0.076	-0.109	55.0	0.133	
1018764.1	15375084.9	1467.5	23.548	13.545	29.9	27.166	9.9	2.162	0.129	0.151	49.5	0.198	0.6	-0.058	-0.086	55.7	0.104	
1018761.4	15375080.6	1467.0	21.914	12.499	29.7	25.228	10.6	2.008	0.115	0.136	49.8	0.178	0.7	-0.043	-0.065	56.6	0.078	
1018758.7	15375076.4	1467.1	20.507	11.632	29.6	23.576	11.3	1.876	0.103	0.123	50.1	0.160	0.6	-0.051	-0.072	54.9	0.088	
1018756.1	15375072.1	1467.0	19.224	10.844	29.4	22.072	12.0	1.756	0.092	0.111	50.3	0.144	0.6	-0.053	-0.074	54.0	0.091	
1018753.4	15375067.9	1466.5	18.029	10.103	29.3	20.667	12.6	1.645	0.083	0.101	50.6	0.131	0.7	-0.043	-0.059	54.1	0.073	
1018750.8	15375063.7	1465.9	16.936	9.427	29.1	19.383	13.1	1.542	0.075	0.093	51.0	0.119	0.7	-0.030	-0.042	54.3	0.052	
1018748.1	15375059.4	1465.8	15.975	8.852	29.0	18.264	13.6	1.453	0.068	0.085	51.3	0.109	0.7	-0.032	-0.043	53.2	0.053	
1018745.5	15375055.2	1465.9	15.105	8.339	28.9	17.254	14.2	1.373	0.062	0.078	51.6	0.100	0.7	-0.037	-0.047	52.3	0.060	
1018742.8	15375051.0	1465.4	14.281	7.844	28.8	16.294	14.6	1.297	0.057	0.072	51.9	0.092	0.7	-0.030	-0.038	51.6	0.049	
1018740.1	15375046.7	1464.6	13.514	7.382	28.6	15.399	15.1	1.225	0.052	0.067	52.3	0.085	0.8	-0.020	-0.023	49.9	0.030	
1018737.5	15375042.5	1464.3	12.829	6.981	28.6	14.605	15.5	1.162	0.048	0.062	52.6	0.078	0.8	-0.019	-0.021	48.3	0.028	
1018734.8	15375038.3	1464.2	12.200	6.616	28.5	13.879	15.9	1.104	0.044	0.058	52.9	0.072	0.8	-0.019	-0.021	47.2	0.028	
1018732.2	15375034.0	1463.7	11.610	6.272	28.4	13.196	16.3	1.050	0.040	0.054	53.3	0.067	0.8	-0.016	-0.016	44.2	0.023	

Critical Energy/Electric Infrastructure Information (CEII) Has Been Redacted From This Document

PLS-CADD Version 20.01x64 11:20:59 AM Friday, February 28, 2025
Quanta Services - Dashiell
Project Name: 'C:\projects\L68\0026-0068-700 REV 0-0E PLS CADD MODEL.don'
Line Title: 'PROPOSED L723 AND EXISTING L68 MERGED'

3D EMF Calculation Notes:
1) Calculations based on the EPRI Red Book methods (3rd Edition, 2005 - 7.4 Calculation of Magnetic Fields and Appendices 7.1 Calculation of Field Ellipse Parameters and 7.6 Electric Field Calculations for 3D Geometry).
2) All wire positions are modeled at the specified weather case and wind direction. Height above ground determined by the modeled ground TIN.
3) Only the effects of wires are being analyzed. The effects of structures are not included unless enabled as noted below.
4) Ground return is being ignored for magnetic field calculations.

Meter height above ground:	3.28 (ft)
Maximum wire distance:	500.00 (ft)
Maximum cable segment size:	5.00 (ft)
Cross section offset +/-:	175.00 (ft)
Result interval:	5.00 (ft)
Electric field limit:	1.60 (kV/m)
Magnetic field limit:	200.00 (mG)
Space potential limit:	0.00 (kV)
Contour Map Spacing:	15 (ft)
Analyzing spans between these structures:	Undefined (#107 in line) - Undefined (#108 in line)

One or more sections have wind from both directions which is not supported. A wind direction of left is being used for those sections.

Section Data for 3D EMF Results:

Section Number	Section Note	Voltage Ph-Ph (kV)	Current (Amps)	Cable Filename	Cable Description	Conductors Per Phase	Bundle Diameter (in)	Cable Radius (in)	Weather Case	Condition	Wind Dir.	WC Temperature (deg F)	Effective Radius (in)
1		0.0	0.0	7no_7_alumoweld.wir	7#7 Alumoweld 7 Strands Alumoweld - Adapted from 1970's Publicly Available Data	1	0.000	0.216	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.216
2		0.0	0.0	7no_7_alumoweld.wir	7#7 Alumoweld 7 Strands Alumoweld - Adapted from 1970's Publicly Available Data	1	0.000	0.216	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.216
3		0.0	0.0	7no_7_alumoweld.wir	7#7 Alumoweld 7 Strands Alumoweld - Adapted from 1970's Publicly Available Data	1	0.000	0.216	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.216
4		0.0	0.0	OPGW DNO-11467 S4-53-61-583.wir	AFL OPGW 72 FIBER PENTACORE S4-53/61/583	1	0.000	0.291	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.291
6		0.0	0.0	OPGW DNO-11467 S4-53-61-583.wir	AFL OPGW 72 FIBER PENTACORE S4-53/61/583	1	0.000	0.291	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.291
7		0.0	0.0	OPGW DNO-11467 S4-53-61-583.wir	AFL OPGW 72 FIBER PENTACORE S4-53/61/583	1	0.000	0.291	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.291
8		0.0	0.0	OPGW DNO-11467 S4-53-61-583.wir	AFL OPGW 72 FIBER PENTACORE S4-53/61/583	1	0.000	0.291	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.291
9		115.0	[redacted]	drake_acsr.wir	795 kcmil 26/7 Strands DRAKE ACSR	2	18.000	0.554	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	3.158
10		115.0		drake_acsr.wir	795 kcmil 26/7 Strands DRAKE ACSR	2	18.000	0.554	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	3.158
11		115.0		drake_acsr.wir	795 kcmil 26/7 Strands DRAKE ACSR	2	18.000	0.554	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	3.158
13		115.0		drake_acsr.wir	795 kcmil 26/7 Strands DRAKE ACSR	2	18.000	0.554	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	3.158
14		115.0		drake_acsr.wir	795 kcmil 26/7 Strands DRAKE ACSR	2	18.000	0.554	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	3.158
15		115.0		drake_acsr.wir	795 kcmil 26/7 Strands DRAKE ACSR	2	18.000	0.554	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	3.158
17		115.0		drake_acsr.wir	795 kcmil 26/7 Strands DRAKE ACSR	2	18.000	0.554	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	3.158
18		115.0		drake_acsr.wir	795 kcmil 26/7 Strands DRAKE ACSR	2	18.000	0.554	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	3.158
19		115.0		drake_acsr.wir	795 kcmil 26/7 Strands DRAKE ACSR	2	18.000	0.554	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	3.158
21		115.0		drake_acsr.wir	795 kcmil 26/7 Strands DRAKE ACSR	2	18.000	0.554	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	3.158
22		115.0		drake_acsr.wir	795 kcmil 26/7 Strands DRAKE ACSR	2	18.000	0.554	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	3.158
23		115.0		drake_acsr.wir	795 kcmil 26/7 Strands DRAKE ACSR	2	18.000	0.554	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	3.158
34		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.217
52		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	OPGW/SW 41F EMF	Creep FE	Left	41.000	0.217
69		230.0	[redacted]	ortolan_acsr.wir	1033.5 kcmil 45/7 Strands ORTOLAN ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.606	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.606

Could not find ground from TIN for one or more wires in span #1. Interpolating between structure bases to determine ground. ??
Could not find ground from TIN for one or more wires in span #2. Interpolating between structure bases to determine ground. ??

Centerline results between structures Undefined (#107 in line) and Undefined (#108 in line)

3D EMF Point Results Centerline from Undefined (#107 in line) to Undefined (#108 in line):

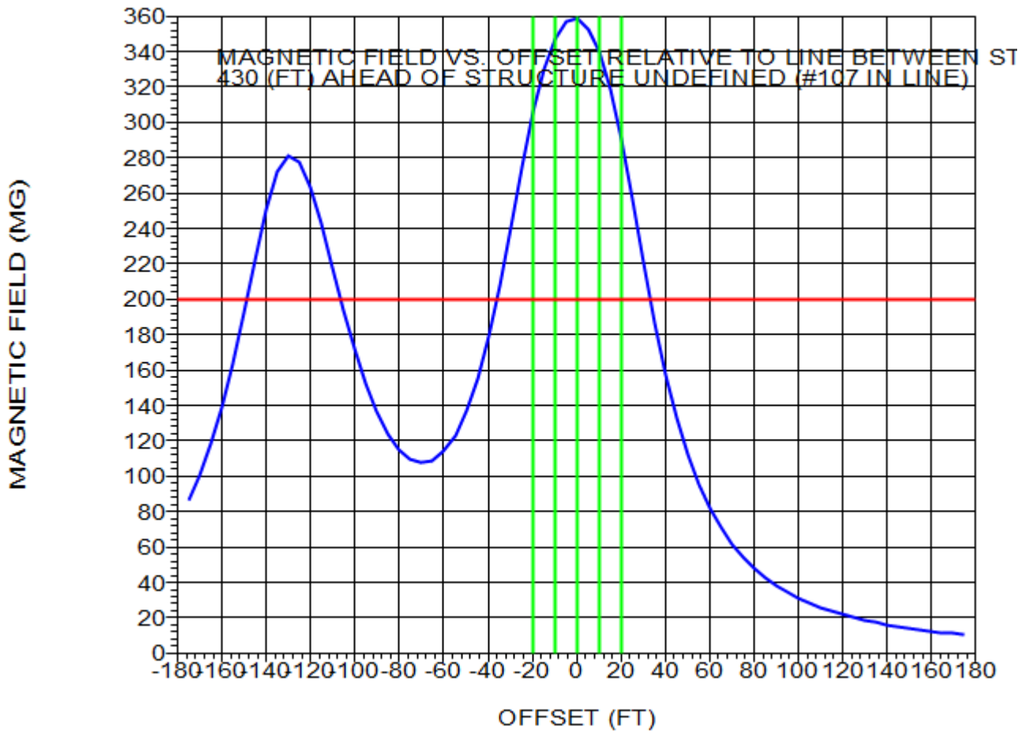
Measurement X (ft)	Measurement Y (ft)	Measurement Z (ft)	B Real (mG)	B Imaginary (mG)	B Angle (deg)	B Magnitude (mG)	B Polarization Axial Ratio %	H Magnitude (A/m)	EF Real (kV/m)	EF Imaginary (kV/m)	EF Angle (deg)	EF Magnitude (kV/m)	EF Polarization Axial Ratio %	Space Potential Real (kV)	Space Potential Imaginary (kV)	Space Potential Angle (deg)	Space Potential Magnitude (kV)
1016052.1	15376921.3	1667.7	103.382	113.032	47.6	153.180	29.1	12.190	0.157	0.056	19.5	0.167	30.7	-0.394	-0.144	20.1	0.419

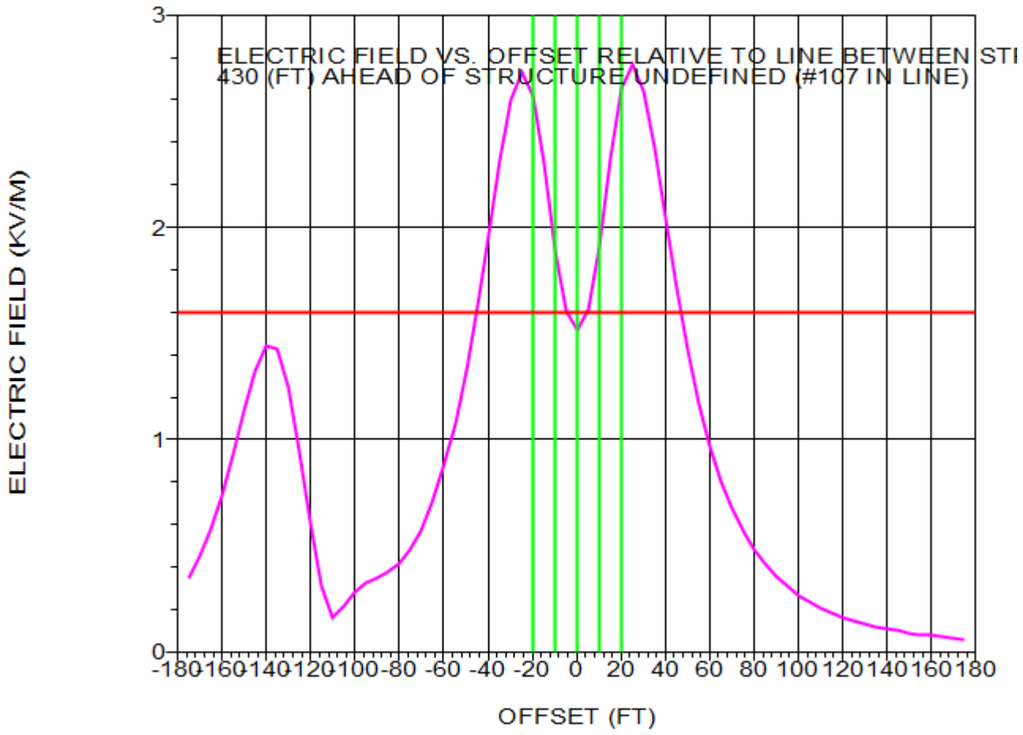
1016056.3	15376918.6	1668.1	105.418	111.660	46.6	153.561	29.2	12.220	0.160	0.066	22.6	0.173	40.2	-0.405	-0.139	18.9	0.428	
1016060.5	15376915.9	1668.5	107.986	110.871	45.8	154.769	29.3	12.316	0.164	0.082	26.6	0.184	49.9	-0.419	-0.132	17.5	0.439	
1016064.8	15376913.3	1668.9	111.063	110.630	44.9	156.761	29.4	12.475	0.172	0.102	30.7	0.200	59.2	-0.435	-0.124	15.9	0.452	
1016069.0	15376910.6	1669.2	114.435	110.766	44.1	159.262	29.6	12.674	0.180	0.123	34.5	0.218	67.2	-0.451	-0.115	14.3	0.465	
1016073.3	15376908.0	1669.5	118.335	111.452	43.3	162.557	29.8	12.936	0.190	0.148	37.8	0.241	73.0	-0.469	-0.104	12.5	0.481	
1016077.5	15376905.3	1669.8	122.781	112.694	42.5	166.659	30.1	13.262	0.203	0.174	40.6	0.268	76.2	-0.491	-0.090	10.4	0.499	
1016081.7	15376902.6	1670.1	127.781	114.499	41.9	171.575	30.4	13.653	0.219	0.204	42.9	0.299	77.1	-0.515	-0.074	8.1	0.520	
1016086.0	15376900.0	1670.4	133.367	116.887	41.2	177.340	30.8	14.112	0.239	0.236	44.7	0.335	76.9	-0.543	-0.052	5.5	0.545	
1016090.2	15376897.3	1670.7	139.384	119.748	40.7	183.760	31.3	14.623	0.260	0.270	46.1	0.375	75.9	-0.573	-0.028	2.8	0.573	
1016094.4	15376894.7	1670.8	144.882	122.385	40.2	189.655	31.7	15.092	0.276	0.303	47.7	0.410	71.4	-0.595	-0.014	1.4	0.595	
1016098.7	15376892.0	1670.9	150.793	125.480	39.8	196.173	32.1	15.611	0.294	0.339	49.1	0.449	67.6	-0.620	0.001	-0.1	0.620	
1016102.9	**15376889.4**	**1671.0**	**157.118**	**129.029**	**39.4**	**203.309**	**32.6**	**16.179**	**0.315**	**0.377**	**50.2**	**0.491**	**64.3**	**-0.647**	**0.019**	**-1.7**	**0.647**	**BF exceeds limit NG**
1016107.1	**15376886.7**	**1671.1**	**163.835**	**133.015**	**39.1**	**211.033**	**33.2**	**16.793**	**0.338**	**0.419**	**51.1**	**0.538**	**61.6**	**-0.676**	**0.039**	**-3.3**	**0.677**	**BF exceeds limit NG**
1016111.4	**15376884.0**	**1671.3**	**171.416**	**137.791**	**38.8**	**219.932**	**33.8**	**17.502**	**0.368**	**0.465**	**51.6**	**0.593**	**60.5**	**-0.713**	**0.070**	**-5.6**	**0.717**	**BF exceeds limit NG**
1016115.6	**15376881.4**	**1671.5**	**179.836**	**143.343**	**38.6**	**229.974**	**34.5**	**18.301**	**0.404**	**0.515**	**51.9**	**0.655**	**60.7**	**-0.759**	**0.115**	**-8.6**	**0.768**	**BF exceeds limit NG**
1016119.8	**15376878.7**	**1671.7**	**188.883**	**149.524**	**38.4**	**240.903**	**35.3**	**19.170**	**0.446**	**0.570**	**52.0**	**0.724**	**61.4**	**-0.813**	**0.172**	**-12.0**	**0.831**	**BF exceeds limit NG**
1016124.1	**15376876.1**	**1671.9**	**198.527**	**156.321**	**38.2**	**252.684**	**36.2**	**20.108**	**0.492**	**0.629**	**51.9**	**0.798**	**62.6**	**-0.874**	**0.243**	**-15.5**	**0.908**	**BF exceeds limit NG**
1016128.3	**15376873.4**	**1672.0**	**207.660**	**162.881**	**38.1**	**263.918**	**37.0**	**21.002**	**0.535**	**0.686**	**52.1**	**0.870**	**62.6**	**-0.932**	**0.307**	**-18.2**	**0.982**	**BF exceeds limit NG**
1016132.5	**15376870.7**	**1671.8**	**215.249**	**168.803**	**38.1**	**273.544**	**37.7**	**21.768**	**0.564**	**0.738**	**52.6**	**0.929**	**60.5**	**-0.970**	**0.340**	**-19.3**	**1.028**	**BF exceeds limit NG**
1016136.8	**15376868.1**	**1671.7**	**222.761**	**174.341**	**38.0**	**282.873**	**38.4**	**22.510**	**0.595**	**0.790**	**53.0**	**0.989**	**58.7**	**-1.014**	**0.379**	**-20.5**	**1.083**	**BF exceeds limit NG**
1016141.0	**15376865.4**	**1671.5**	**230.387**	**180.082**	**38.0**	**292.417**	**39.1**	**23.270**	**0.627**	**0.843**	**53.4**	**1.051**	**57.6**	**-1.063**	**0.426**	**-21.9**	**1.145**	**BF exceeds limit NG**
1016145.2	**15376862.8**	**1671.3**	**237.395**	**185.427**	**38.0**	**301.230**	**39.8**	**23.971**	**0.656**	**0.893**	**53.7**	**1.108**	**56.2**	**-1.106**	**0.468**	**-22.9**	**1.201**	**BF exceeds limit NG**
1016149.5	**15376860.1**	**1671.0**	**243.819**	**190.387**	**38.0**	**309.347**	**40.4**	**24.617**	**0.682**	**0.941**	**54.1**	**1.162**	**54.7**	**-1.146**	**0.504**	**-23.7**	**1.252**	**BF exceeds limit NG**
1016153.7	**15376857.5**	**1670.6**	**249.892**	**195.136**	**38.0**	**317.056**	**41.0**	**25.230**	**0.706**	**0.985**	**54.4**	**1.212**	**53.4**	**-1.184**	**0.541**	**-24.5**	**1.302**	**BF exceeds limit NG**
1016158.0	**15376854.8**	**1670.1**	**254.575**	**198.796**	**38.0**	**322.999**	**41.5**	**25.703**	**0.721**	**1.023**	**54.8**	**1.252**	**51.4**	**-1.207**	**0.555**	**-24.7**	**1.328**	**BF exceeds limit NG**
1016162.2	**15376852.1**	**1669.7**	**259.364**	**202.593**	**38.0**	**329.111**	**42.0**	**26.190**	**0.740**	**1.060**	**55.1**	**1.293**	**50.0**	**-1.233**	**0.580**	**-25.2**	**1.363**	**BF exceeds limit NG**
1016166.4	**15376849.5**	**1669.2**	**264.247**	**206.517**	**38.0**	**335.374**	**42.5**	**26.688**	**0.761**	**1.097**	**55.2**	**1.335**	**49.4**	**-1.263**	**0.618**	**-26.1**	**1.406**	**BF exceeds limit NG**
1016170.7	**15376846.8**	**1668.7**	**269.128**	**210.487**	**38.0**	**341.664**	**43.1**	**27.189**	**0.785**	**1.132**	**55.2**	**1.378**	**49.3**	**-1.294**	**0.667**	**-27.3**	**1.456**	**BF exceeds limit NG**
1016174.9	**15376844.2**	**1668.3**	**274.002**	**214.496**	**38.1**	**347.974**	**43.6**	**27.691**	**0.812**	**1.165**	**55.1**	**1.420**	**49.7**	**-1.327**	**0.728**	**-28.7**	**1.514**	**BF exceeds limit NG**
1016179.1	**15376841.5**	**1667.6**	**275.854**	**215.930**	**38.1**	**350.316**	**43.8**	**27.877**	**0.818**	**1.183**	**55.3**	**1.438**	**48.3**	**-1.321**	**0.727**	**-28.8**	**1.508**	**BF exceeds limit NG**
1016183.4	**15376838.9**	**1666.9**	**277.319**	**217.043**	**38.0**	**352.156**	**44.0**	**28.024**	**0.823**	**1.196**	**55.5**	**1.452**	**47.3**	**-1.310**	**0.730**	**-29.1**	**1.500**	**BF exceeds limit NG**
1016187.6	**15376836.2**	**1666.2**	**278.675**	**218.069**	**38.0**	**353.855**	**44.2**	**28.159**	**0.830**	**1.206**	**55.5**	**1.464**	**46.9**	**-1.300**	**0.745**	**-29.8**	**1.499**	**BF exceeds limit NG**
1016191.8	**15376833.5**	**1665.5**	**279.912**	**219.000**	**38.0**	**355.403**	**44.3**	**28.282**	**0.838**	**1.212**	**55.3**	**1.473**	**47.0**	**-1.291**	**0.772**	**-30.9**	**1.504**	**BF exceeds limit NG**
1016196.1	**15376830.9**	**1664.7**	**280.049**	**218.977**	**38.0**	**355.497**	**44.4**	**28.290**	**0.841**	**1.209**	**55.2**	**1.473**	**46.9**	**-1.268**	**0.788**	**-31.9**	**1.492**	**BF exceeds limit NG**
1016200.3	**15376828.2**	**1663.8**	**277.648**	**216.744**	**38.0**	**352.230**	**44.2**	**28.030**	**0.826**	**1.192**	**55.3**	**1.451**	**45.5**	**-1.210**	**0.756**	**-32.0**	**1.427**	**BF exceeds limit NG**
1016204.5	**15376825.6**	**1662.8**	**275.140**	**214.427**	**37.9**	**348.828**	**44.0**	**27.759**	**0.813**	**1.172**	**55.3**	**1.426**	**44.5**	**-1.154**	**0.738**	**-32.6**	**1.370**	**BF exceeds limit NG**
1016208.8	**15376822.9**	**1661.9**	**272.530**	**212.028**	**37.9**	**345.295**	**43.7**	**27.478**	**0.800**	**1.148**	**55.1**	**1.399**	**43.9**	**-1.098**	**0.733**	**-33.7**	**1.320**	**BF exceeds limit NG**
1016213.0	**15376820.2**	**1661.0**	**269.934**	**209.647**	**37.8**	**341.784**	**43.5**	**27.198**	**0.789**	**1.122**	**54.9**	**1.371**	**43.7**	**-1.044**	**0.741**	**-35.4**	**1.280**	**BF exceeds limit NG**
1016217.2	**15376817.6**	**1660.0**	**266.334**	**206.412**	**37.8**	**336.957**	**43.2**	**26.814**	**0.772**	**1.089**	**54.7**	**1.335**	**42.9**	**-0.977**	**0.737**	**-37.0**	**1.224**	**BF exceeds limit NG**
1016221.5	**15376814.9**	**1658.9**	**261.302**	**201.970**	**37.7**	**330.259**	**42.7**	**26.281**	**0.745**	**1.049**	**54.6**	**1.286**	**41.1**	**-0.892**	**0.708**	**-38.5**	**1.138**	**BF exceeds limit NG**
1016225.7	**15376812.3**	**1657.8**	**256.386**	**197.652**	**37.6**	**323.728**	**42.3**	**25.761**	**0.719**	**1.009**	**54.5**	**1.239**	**39.3**	**-0.808**	**0.689**	**-40.5**	**1.062**	**BF exceeds limit NG**
1016229.9	**15376809.6**	**1656.7**	**251.573**	**193.444**	**37.6**	**317.348**	**41.9**	**25.254**	**0.694**	**0.970**	**54.4**	**1.193**	**37.5**	**-0.725**	**0.676**	**-43.0**	**0.992**	**BF exceeds limit NG**
1016234.2	**15376807.0**	**1655.6**	**247.274**	**189.690**	**37.5**	**311.651**	**41.5**	**24.800**	**0.674**	**0.934**	**54.2**	**1.152**	**35.9**	**-0.648**	**0.674**	**-46.1**	**0.935**	**BF exceeds limit NG**
1016238.4	**15376804.3**	**1654.7**	**244.094**	**186.884**	**37.4**	**307.421**	**41.3**	**24.464**	**0.662**	**0.905**	**53.8**	**1.121**	**35.1**	**-0.585**	**0.691**	**-49.8**	**0.905**	**BF exceeds limit NG**
1016242.7	**15376801.6**	**1653.8**	**241.790**	**184.814**	**37.4**	**304.333**	**41.1**	**24.218**	**0.655**	**0.882**	**53.4**	**1.099**	**34.8**	**-0.529**	**0.718**	**-53.6**	**0.892**	**BF exceeds limit NG**
1016246.9	**15376799.0**	**1652.9**	**239.404**	**182.679**	**37.3**	**301.141**	**40.9**	**23.964**	**0.649**	**0.864**	**53.1**	**1.080**	**34.0**	**-0.469**	**0.730**	**-57.3**	**0.867**	**BF exceeds limit NG**
1016251.1	**15376796.3**	**1652.4**	**240.937**	**183.723**	**37.3**	**302.993**	**41.0**	**24.111**	**0.665**	**0.861**	**52.3**	**1.088**	**37.0**	**-0.459**	**0.805**	**-60.3**	**0.926**	**BF exceeds limit NG**
1016255.4	**15376793.7**	**1651.7**	**240.357**	**183.163**	**37.3**	**302.192**	**41.1**	**24.048**	**0.671**	**0.858**	**52.0**	**1.089**	**37.7**	**-0.430**	**0.837**	**-62.8**	**0.941**	**BF exceeds limit NG**
1016259.6	**15376791.0**	**1651.1**	**240.232**	**182.901**	**37.3**	**301.935**	**41.1**	**24.027**	**0.677**	**0.857**	**51.7**	**1.092**	**38.3**	**-0.398**	**0.860**	**-65.2**	**0.947**	**BF exceeds limit NG**
1016263.8	**15376788.4**	**1650.6**	**241.562**	**183.849**	**37.3**	**303.567**	**41.3**	**24.157**	**0.692**	**0.863**	**51.3**	**1.106**	**40.2**	**-0.390**	**0.905**	**-66.7**	**0.986**	**BF exceeds limit NG**
1016268.1	**15376785.7**	**1650.1**	**243.669**	**185.449**	**37.3**	**306.212**	**41.5**	**24.368**	**0.710**	**0.872**	**50.8**	**1.125**	**42.8**	**-0.397**	**0.962**	**-67.6**	**1.041**	**BF exceeds limit NG**
1016272.3	**15376783.0**	**1649.7**	**245.305**	**186.661**	**37.3**	**308.248**	**41.7**	**24.530**	**0.725**	**0.880**	**50.5**	**1.140**	**44.7**	**-0.401**	**1.004**	**-68.2**	**1.081**	**BF exceeds limit NG**
1016276.5	**15376780.4**	**1648.7**	**240.624**	**182.591**	**37.2**	**302.058**	**41.3**	**24.037**	**0.695**	**0.863**	**51.2**	**1.108**	**39.9**	**-0.313**	**0.907**	**-70.9**	**0.959**	**BF exceeds limit NG**
1016280.8	**15376777.7**	**1648.3**	**242.797**	**184.246**	**37.2**	**304.789**	**41.5**	**24.254**	**0.710**	**0.871**	**50.8**	**1.124**	**42.5**	**-0.335**	**0.959**	**-70.7**	**1.016**	**BF exceeds limit NG**
1016285.0	**15376775.1**	**1647.8**	**244.076**	**185.158**	**37.2**	**306.360**	**41.7**	**24.379**	**0.719**	**0.875**	**50.6**	**1.133**	**44.0**	**-0.347**	**0.992**	**-70.7**	**1.051**	**BF exceeds limit NG**
1016289.2	**15376772.4**	**1646.7**	**238.391**	**180.252**	**37.1**	**298.866**	**41.2**	**23.783**	**0.680**	**0.853**	**51.4**	**1.091**	**37.9**	**-0.254**	**0.871**	**-73.7**	**0.907**	**BF exceeds limit NG**
1016293.5	**15376769.7**	**1646.4**	**240.474**	**181.826**	**37.1**	**301.477**	**41.4**	**23.991**	**0.692**	**0.859**	**51.2**	**1.103**	**40.1**	**-0.283**	**0.920**	**-72.9**	**0.962**	**BF exceeds limit NG**
1016297.7	**15376767.1**	**1646.0**	**242.470**	**183.334**	**37.1**	**303.979**	**41.7**	**24.190**	**0.704**	**0.866**	**50.9**	**1.116**	**41.9**	**-0.309**	**0.963**	**-72.2**	**1.012**	**BF exceeds limit NG**
1016301.9	**15376764.4**	**1645.2**	**239.731**	**180.883**	**37.0**	**300.316**	**41.5**	**23.898**	**0.683**	**0.856**	**51.4**	**1.096**	**38.3**	**-0.262**	**0.899**	**-73.8**	**0.937**	**BF exceeds limit NG**
1016306.2	**15376761.8**	**1644.3**	**235.616**	**177.295**	**37.0**	**294.870**	**41.1**	**23.465**	**0.656**	**0.845**	**52.2**	**1.069**	**32.6**	**-0.190**	**0.798**	**-76.6**	**0.820**	**BF exceeds limit NG**
1016310.4	**15376759.1**	**1644.0**	**238.037**	**179.145**	**37.0**	**297.917**	**41.4**	**23.708**	**0.668**	**0.858**	**52.1**	**1.087**	**33.9**	**-0.217**	**0.833**	**-75.4**	**0.861**	**BF exceeds limit NG**
1016314.6	**15376756.5**	**1644.0**	**243.361**	**183.437**	**37.0**	**304.752**	**41.9**	**24.251**	**0.700**	**0.884**	**51.6**	**1.127**	**38.0**	**-0.286**	**0.924**	**-72.8**	**0.967**	**BF exceeds limit NG**
1016318.9	**15376753.8**	**1643.9**	**248.001**	**187.185**	**37.0**	**310.713**	**42.4**	**24.726**	**0.727**	**0.910**	**51.4**	**1.165**	**40.7**	**-0.341**	**0.992**	**-71.0**	**1.049**	**BF exceeds limit NG**
1016323.1	**15376751.1**	**1643.7**	**251.756**	**190.209**	**37.1**	**315.532**	**42.8**	**25.109**	**0.749**	**0.936**	**51.3**	**1.199**	**42.1**	**-0.382**	**1.033**	**-69.7**	**1.102**	**BF exceeds limit NG**
1016327.4	**15376748.5**	**1643.4**	**254.602**	**192.476**	**37.1**	**319.169**	**43.1**	**25.399**	**0.764**	**0.959**	**51.4**	**1.227**	**42.5**	**-0.410**	**1.050**	**-68.7**	**1.127**	**BF exceeds limit NG**
1016331.6	**15376745.8**	**1643.2**	**257.403**	**194.716**	**37.1**	**322.755**	**43.4**	**25.684**	**0.779**	**0.982**	**51.6**	**1.254**	**42.8**	**-0.439**	**1.064**	**-67.6**	**1.151**	**BF exceeds limit NG**
1016335.8	**15376743.2**	**1642.9**	**260.125**	**196.897**	**37.1**	**326.241**	**43.7**	**25.961**	**0.792**	**1.005**	**51.8**	**1.280**	**43.0**	**-0.469**	**1.075**	**-66.4**	**1.173**	**BF exceeds limit NG**
1016340.1	**15376740.5**	**1642.7**	**262.761**	**199.016**	**37.1**	**329.622**	**44.0**	**26.231**	**0.804**	**1.027**	**51.9**	**1.304**	**43.2**	**-0.501**	**1.085**	**-65.2**	**1.195**	**BF exceeds limit NG**
1016344.3	**15376737.8**	**1642.4**	**265.217**	**201.297**	**37.2**	**332.957**	**44.4**	**26.496**	**0.816**	**1.046**	**52.0**	**1.327**	**43.5**	**-0.540**	**1.080**	**-63.4**	**1.207**	**BF exceeds limit NG**
1016348.5	**15376735.2**	**1642.1**	**266.713**	**202.446**	**37.2**	**334.843**	**44.6**	**26.646**	**0.820**	**1.061**	**52.3**	**1.341**	**43.0**	**-0.562**	**1.068**	**-62.3**	**1.207**	**BF exceeds limit NG**
1016352.8	**15376732.5**	**1641.8**	**268.038**	**203.451**	**37.2**	**336.507**	**44.7**	**26.778**	**0.823**	**1.075**	**52.6**	**1.353**	**42.6**	**-0.584**	**1.056**	**-61.1**	**1.207**	**BF exceeds limit NG**
1016357.0	**15376729.9**	**1641.5**	**269.246**	**204.355**	**37.2**	**338.015**	**44.9**	**26.898**	**0.825**	**1.086**	**52.8**	**1.364**	**42.1**	**-0.606**	**1.044**	**-59.9**	**1.208**	**BF exceeds limit NG**
1016361.2	**15376727.2**	**1641.1**	**270.333**	**205.155**	**37.2**	**339.365**	**45.0**	**27.006**	**0.826**	**1.097**	**53.0**	**1.374**	**41.7**	**-0.629**	**1.032**	**-58.6**	**1.209**	**BF exceeds limit NG**
1016365.5	**15376724.6**	**1640.8**	**271.298**	**205.850**	**37.2**	**340.553**	**45.2**	**27.100**	**0.828**	**1.107**	**53.2**	**1.382**	**41.3**	**-0.652**	**1.018**	**-57.3**	**1.209**	**BF exceeds limit NG**

1016369.7	15376721.9	1640.5	272.138	206.437	37.2	341.577	45.3	27.182	0.828	1.117	53.4	1.390	40.8	−0.675	1.001	−56.0	1.208	BF exceeds limit NG
1016373.9	15376719.2	1640.2	272.852	206.913	37.2	342.434	45.4	27.250	0.828	1.126	53.7	1.398	40.3	−0.698	0.981	−54.6	1.204	BF exceeds limit NG
1016378.2	15376716.6	1639.8	273.535	207.363	37.2	343.250	45.5	27.315	0.827	1.137	54.0	1.406	39.8	−0.722	0.958	−53.0	1.199	BF exceeds limit NG
1016382.4	15376713.9	1639.5	274.102	207.711	37.2	343.912	45.6	27.368	0.826	1.147	54.3	1.414	39.1	−0.745	0.931	−51.3	1.192	BF exceeds limit NG
1016386.6	15376711.3	1639.4	276.801	209.948	37.2	347.414	45.9	27.646	0.839	1.168	54.3	1.438	40.3	−0.803	0.954	−49.9	1.247	BF exceeds limit NG
1016390.9	15376708.6	1639.2	279.427	212.131	37.2	350.826	46.2	27.918	0.852	1.188	54.3	1.462	41.3	−0.861	0.977	−48.6	1.302	BF exceeds limit NG
1016395.1	15376706.0	1639.1	281.951	214.233	37.2	354.108	46.5	28.179	0.865	1.208	54.4	1.485	42.4	−0.920	1.000	−47.4	1.359	BF exceeds limit NG
1016399.3	15376703.3	1638.8	283.255	215.250	37.2	355.761	46.7	28.311	0.869	1.221	54.6	1.498	42.6	−0.963	0.997	−46.0	1.386	BF exceeds limit NG
1016403.6	15376700.6	1638.6	284.019	215.783	37.2	356.692	46.8	28.385	0.869	1.230	54.8	1.506	42.6	−0.999	0.987	−44.6	1.405	BF exceeds limit NG
1016407.8	15376698.0	1638.3	284.648	216.197	37.2	357.443	46.9	28.444	0.869	1.237	54.9	1.511	42.8	−1.036	0.982	−43.4	1.428	BF exceeds limit NG
1016412.1	15376695.3	1638.1	285.142	216.489	37.2	358.013	47.0	28.490	0.869	1.240	55.0	1.515	43.2	−1.074	0.982	−42.4	1.455	BF exceeds limit NG
1016416.3	15376692.7	1637.8	285.500	216.659	37.2	358.401	47.1	28.521	0.869	1.241	55.0	1.515	43.8	−1.111	0.988	−41.6	1.487	BF exceeds limit NG
1016420.5	15376690.0	1637.4	284.063	215.213	37.1	356.383	47.0	28.360	0.857	1.232	55.2	1.501	43.4	−1.125	0.959	−40.5	1.478	BF exceeds limit NG
1016424.8	15376687.3	1637.0	282.128	213.322	37.1	353.698	46.8	28.146	0.842	1.219	55.4	1.482	42.9	−1.133	0.928	−39.3	1.464	BF exceeds limit NG
1016429.0	15376684.7	1636.6	280.074	211.329	37.0	350.858	46.7	27.920	0.827	1.203	55.5	1.460	42.7	−1.142	0.903	−38.3	1.456	BF exceeds limit NG
1016433.2	15376682.0	1636.2	277.907	209.238	37.0	347.869	46.5	27.683	0.813	1.185	55.6	1.437	42.8	−1.152	0.885	−37.5	1.452	BF exceeds limit NG
1016437.5	15376679.4	1635.8	275.364	206.820	36.9	344.383	46.3	27.405	0.796	1.164	55.6	1.411	42.8	−1.157	0.866	−36.8	1.445	BF exceeds limit NG
1016441.7	15376676.7	1635.4	272.619	204.230	36.8	340.634	46.0	27.107	0.779	1.141	55.7	1.382	43.0	−1.161	0.850	−36.2	1.439	BF exceeds limit NG
1016445.9	15376674.1	1634.9	268.972	200.854	36.8	335.691	45.7	26.713	0.756	1.113	55.8	1.346	42.6	−1.152	0.819	−35.4	1.413	BF exceeds limit NG
1016450.2	15376671.4	1634.4	264.821	197.053	36.7	330.090	45.4	26.268	0.731	1.082	55.9	1.306	42.0	−1.135	0.782	−34.6	1.379	BF exceeds limit NG
1016454.4	15376668.7	1633.9	260.628	193.236	36.6	324.449	45.0	25.819	0.707	1.050	56.1	1.266	41.4	−1.117	0.749	−33.9	1.345	BF exceeds limit NG
1016458.6	15376666.1	1633.4	256.609	189.589	36.5	319.049	44.7	25.389	0.685	1.020	56.1	1.229	41.1	−1.098	0.723	−33.4	1.315	BF exceeds limit NG
1016462.9	15376663.4	1632.9	252.603	185.972	36.4	313.678	44.3	24.962	0.665	0.989	56.1	1.192	40.9	−1.076	0.700	−33.1	1.284	BF exceeds limit NG
1016467.1	15376660.8	1632.4	248.562	182.345	36.3	308.274	44.0	24.532	0.644	0.959	56.1	1.156	40.6	−1.050	0.677	−32.8	1.250	BF exceeds limit NG
1016471.3	15376658.1	1631.9	244.492	178.711	36.2	302.843	43.6	24.099	0.625	0.930	56.1	1.120	40.2	−1.020	0.653	−32.6	1.211	BF exceeds limit NG
1016475.6	15376655.5	1631.4	240.239	174.997	36.1	297.218	43.3	23.652	0.606	0.901	56.1	1.086	39.5	−0.982	0.626	−32.5	1.164	BF exceeds limit NG
1016479.8	15376652.8	1630.9	236.130	171.366	36.0	291.760	43.0	23.218	0.587	0.874	56.1	1.053	38.5	−0.942	0.597	−32.4	1.115	BF exceeds limit NG
1016484.0	15376650.1	1630.5	233.216	168.754	35.9	287.868	42.8	22.908	0.577	0.852	55.9	1.029	38.6	−0.914	0.592	−32.9	1.089	BF exceeds limit NG
1016488.3	15376647.5	1630.1	230.492	166.311	35.8	284.229	42.6	22.618	0.567	0.833	55.7	1.007	38.7	−0.886	0.586	−33.5	1.062	BF exceeds limit NG
1016492.5	15376644.8	1629.8	228.865	164.859	35.8	282.059	42.4	22.446	0.564	0.819	55.4	0.994	39.7	−0.874	0.596	−34.3	1.058	BF exceeds limit NG
1016496.8	15376642.2	1629.7	227.871	163.868	35.7	280.674	42.4	22.335	0.565	0.809	55.1	0.987	41.3	−0.865	0.617	−35.5	1.062	BF exceeds limit NG
1016501.0	15376639.5	1629.5	226.782	162.798	35.7	279.166	42.3	22.215	0.565	0.800	54.8	0.979	42.5	−0.854	0.631	−36.5	1.062	BF exceeds limit NG
1016505.2	15376636.8	1629.3	225.599	161.652	35.6	277.536	42.2	22.086	0.563	0.791	54.6	0.971	43.4	−0.844	0.639	−37.1	1.059	BF exceeds limit NG
1016509.5	15376634.2	1629.1	224.323	160.431	35.6	275.788	42.2	21.946	0.559	0.782	54.4	0.962	44.0	−0.834	0.642	−37.6	1.052	BF exceeds limit NG
1016513.7	15376631.5	1628.9	222.957	159.137	35.5	273.925	42.1	21.798	0.554	0.773	54.4	0.951	44.5	−0.824	0.641	−37.9	1.044	BF exceeds limit NG
1016517.9	15376628.9	1628.7	221.374	157.666	35.5	271.781	42.0	21.628	0.547	0.763	54.4	0.939	44.6	−0.814	0.634	−37.9	1.032	BF exceeds limit NG
1016522.2	15376626.2	1628.5	220.308	156.625	35.4	270.309	41.9	21.511	0.543	0.755	54.3	0.930	45.4	−0.812	0.637	−38.1	1.033	BF exceeds limit NG
1016526.4	15376623.6	1628.4	218.966	155.357	35.4	268.481	41.9	21.365	0.537	0.746	54.3	0.919	45.8	−0.809	0.634	−38.1	1.027	BF exceeds limit NG
1016530.6	15376620.9	1628.2	217.538	154.022	35.3	266.544	41.8	21.211	0.530	0.737	54.3	0.908	46.1	−0.805	0.627	−37.9	1.021	BF exceeds limit NG
1016534.9	15376618.2	1628.0	216.028	152.622	35.2	264.503	41.7	21.048	0.523	0.727	54.3	0.896	46.4	−0.801	0.618	−37.7	1.012	BF exceeds limit NG
1016539.1	15376615.6	1627.8	214.438	151.159	35.2	262.360	41.6	20.878	0.515	0.718	54.3	0.883	46.6	−0.797	0.606	−37.3	1.001	BF exceeds limit NG
1016543.3	15376612.9	1627.7	212.770	149.637	35.1	260.120	41.5	20.700	0.507	0.708	54.4	0.871	46.8	−0.792	0.591	−36.7	0.989	BF exceeds limit NG
1016547.6	15376610.3	1627.5	210.665	147.761	35.0	257.319	41.3	20.477	0.496	0.697	54.5	0.856	46.5	−0.782	0.566	−35.9	0.965	BF exceeds limit NG
1016551.8	15376607.6	1627.3	209.034	146.276	35.0	255.132	41.2	20.303	0.490	0.688	54.6	0.844	46.9	−0.777	0.549	−35.2	0.951	BF exceeds limit NG
1016556.0	15376604.9	1627.2	207.366	144.765	34.9	252.898	41.1	20.125	0.483	0.679	54.6	0.833	47.3	−0.771	0.531	−34.5	0.936	BF exceeds limit NG
1016560.3	15376602.3	1627.0	205.386	143.004	34.8	250.267	41.0	19.916	0.475	0.669	54.6	0.820	47.2	−0.760	0.505	−33.6	0.912	BF exceeds limit NG
1016564.5	15376599.6	1626.8	203.268	141.137	34.8	247.462	40.8	19.692	0.465	0.658	54.8	0.806	47.0	−0.746	0.475	−32.5	0.885	BF exceeds limit NG
1016568.7	15376597.0	1626.7	201.536	139.587	34.7	245.156	40.7	19.509	0.459	0.650	54.8	0.795	47.3	−0.737	0.453	−31.5	0.865	BF exceeds limit NG
1016573.0	15376594.3	1626.6	200.030	138.222	34.6	243.140	40.6	19.348	0.455	0.642	54.7	0.787	48.1	−0.730	0.434	−30.7	0.850	BF exceeds limit NG
1016577.2	15376591.7	1626.6	199.051	137.284	34.6	241.801	40.6	19.242	0.455	0.636	54.4	0.782	49.8	−0.730	0.427	−30.3	0.845	BF exceeds limit NG
1016581.5	15376589.0	1626.5	197.997	136.288	34.5	240.369	40.6	19.128	0.454	0.630	54.2	0.777	51.5	−0.729	0.418	−29.8	0.840	BF exceeds limit NG
1016585.7	15376586.3	1626.5	196.872	135.237	34.5	238.846	40.5	19.007	0.454	0.623	54.0	0.771	53.2	−0.728	0.409	−29.3	0.835	BF exceeds limit NG
1016589.9	15376583.7	1626.5	195.677	134.133	34.4	237.237	40.4	18.879	0.453	0.616	53.7	0.765	55.0	−0.726	0.401	−28.9	0.829	BF exceeds limit NG
1016594.2	15376581.0	1626.3	193.255	132.052	34.3	234.062	40.3	18.626	0.442	0.604	53.8	0.748	55.1	−0.712	0.370	−27.4	0.802	BF exceeds limit NG
1016598.4	15376578.4	1626.1	190.584	129.780	34.3	230.575	40.1	18.349	0.430	0.589	53.9	0.730	54.9	−0.696	0.336	−25.8	0.773	BF exceeds limit NG
1016602.6	15376575.7	1625.9	187.897	127.503	34.2	227.073	39.9	18.070	0.418	0.575	54.0	0.711	54.9	−0.681	0.305	−24.2	0.746	BF exceeds limit NG
1016606.9	15376573.1	1625.7	185.201	125.228	34.1	223.565	39.7	17.791	0.407	0.560	54.0	0.692	55.0	−0.667	0.276	−22.5	0.722	BF exceeds limit NG
1016611.1	15376570.4	1625.5	182.503	122.960	34.0	220.060	39.5	17.512	0.395	0.545	54.0	0.673	55.3	−0.655	0.249	−20.8	0.700	BF exceeds limit NG
1016615.3	15376567.7	1625.3	179.813	120.705	33.9	216.570	39.3	17.234	0.384	0.529	54.1	0.654	55.7	−0.643	0.224	−19.2	0.681	BF exceeds limit NG
1016619.6	15376565.1	1625.1	177.141	118.473	33.8	213.107	39.1	16.959	0.373	0.514	54.1	0.635	56.1	−0.633	0.199	−17.4	0.664	BF exceeds limit NG
1016623.8	15376562.4	1625.0	174.768	116.399	33.7	209.982	38.9	16.710	0.362	0.499	54.1	0.616	56.7	−0.628	0.163	−14.6	0.649	BF exceeds limit NG
1016628.0	15376559.8	1624.8	172.182	114.246	33.6	206.636	38.7	16.444	0.351	0.484	54.1	0.598	57.4	−0.621	0.140	−12.7	0.637	BF exceeds limit NG
1016632.3	15376557.1	1624.6	169.627	112.123	33.5	203.334	38.5	16.181	0.340	0.469	54.1	0.580	58.0	−0.616	0.117	−10.7	0.626	BF exceeds limit NG
1016636.5	15376554.4	1624.4	167.101	110.029	33.4	200.073	38.3	15.921	0.329	0.455	54.1	0.561	58.6	−0.611	0.093	−8.6	0.618	BF exceeds limit NG
1016640.7	15376551.8	1624.1	164.599	107.959	33.3	196.845	38.1	15.664	0.318	0.441	54.2	0.543	59.0	−0.607	0.067	−6.3	0.611	
1016645.0	15376549.1	1624.1	163.797	107.199	33.2	195.757	38.0	15.578	0.320	0.432	53.5	0.538	63.3	−0.620	0.072	−6.6	0.624	
1016649.2	15376546.5	1624.1	163.254	106.638	33.2	194.997	37.9	15.517	0.325	0.425	52.6	0.535	68.1	−0.635	0.078	−7.0	0.640	
1016653.4	15376543.8	1624.0	161.678	105.283	33.1	192.936	37.8	15.353	0.319	0.414	52.4	0.523	69.9	−0.640	0.063	−5.6	0.643	
1016657.7	15376541.2	1623.6	159.106	103.167	33.0	189.627	37.5	15.090	0.303	0.400	52.8	0.502	68.6	−0.635	0.027	−2.5	0.636	
1016661.9	15376538.5	1623.2	157.055	101.451	32.9	186.972	37.3	14.879	0.290	0.388	53.2	0.484	67.4	−0.635	−0.001	0.1	0.635	
1016666.2	15376535.8	1622.9	156.284	100.708	32.8	185.921	37.1	14.795	0.287	0.381	53.0	0.477	68.5	−0.644	−0.010	0.9	0.644	

Max BF along centerline is 358.401 (mG) at 430.000 (ft) from structure Undefined (#107 in line)

Cross section results at max BF along centerline between structures Undefined (#107 in line) and Undefined (#108 in line)





3D EMF Point Results Span from Undefined (#107 in line) to Undefined (#108 in line):

Measurement			B					H	EF					Space Potential					
X (ft)	Y (ft)	Z (ft)	Real (mG)	Imaginary (mG)	Angle (deg)	Magnitude (mG)	Polarization Axial Ratio %	Magnitude (A/m)	Real (kV/m)	Imaginary (kV/m)	Angle (deg)	Magnitude (kV/m)	Polarization Axial Ratio %	Real (kV)	Imaginary (kV)	Angle (deg)	Magnitude (kV)		
1016509.3	15376840.9	1639.2	18.583	84.291	77.6	86.315	3.7	6.869	0.090	0.339	75.2	0.351	0.4	-0.099	0.320	-72.7	0.335		
1016506.7	15376836.7	1639.1	21.214	98.498	77.8	100.757	4.2	8.018	0.118	0.434	74.7	0.449	0.4	-0.129	0.420	-72.9	0.439		
1016504.0	15376832.4	1639.1	24.327	115.785	78.1	118.313	4.5	9.415	0.156	0.555	74.3	0.576	0.5	-0.168	0.546	-72.9	0.571		
1016501.3	15376828.2	1639.1	27.891	136.631	78.5	139.449	4.5	11.097	0.205	0.707	73.8	0.736	0.5	-0.216	0.701	-72.9	0.733		
1016498.7	15376823.9	1639.0	31.709	161.213	78.9	164.302	4.2	13.075	0.264	0.888	73.4	0.926	0.4	-0.272	0.877	-72.7	0.918		
1016496.0	15376819.7	1639.0	35.338	189.175	79.4	192.447	3.4	15.314	0.328	1.086	73.2	1.135	0.4	-0.331	1.063	-72.7	1.113		
1016493.4	**15376815.5**	**1638.9**	**37.992**	**219.035**	**80.2**	**222.306**	**2.2**	**17.691**	**0.382**	**1.270**	**73.2**	**1.327**	**0.7**	**-0.378**	**1.235**	**-73.0**	**1.291**	**BF exceeds limit**	**NG**
1016490.7	**15376811.2**	**1638.9**	**38.577**	**247.558**	**81.1**	**250.546**	**0.5**	**19.938**	**0.403**	**1.388**	**73.8**	**1.445**	**1.3**	**-0.393**	**1.347**	**-73.7**	**1.403**	**BF exceeds limit**	**NG**
1016488.1	**15376807.0**	**1638.9**	**36.013**	**269.362**	**82.4**	**271.759**	**1.6**	**21.626**	**0.368**	**1.380**	**75.1**	**1.428**	**2.3**	**-0.350**	**1.330**	**-75.3**	**1.375**	**BF exceeds limit**	**NG**
1016485.4	**15376802.8**	**1638.9**	**30.427**	**279.729**	**83.8**	**281.379**	**3.9**	**22.391**	**0.276**	**1.218**	**77.2**	**1.249**	**3.5**	**-0.249**	**1.157**	**-77.9**	**1.183**	**BF exceeds limit**	**NG**
1016482.7	**15376798.5**	**1638.9**	**24.060**	**276.910**	**85.0**	**277.954**	**6.0**	**22.119**	**0.160**	**0.934**	**80.3**	**0.947**	**5.3**	**-0.119**	**0.859**	**-82.1**	**0.867**	**BF exceeds limit**	**NG**
1016480.1	**15376794.3**	**1638.9**	**21.075**	**262.816**	**85.4**	**263.660**	**7.8**	**20.981**	**0.070**	**0.604**	**83.4**	**0.608**	**8.8**	**-0.002**	**0.514**	**-89.8**	**0.514**	**BF exceeds limit**	**NG**
1016477.4	**15376790.1**	**1638.9**	**23.440**	**241.227**	**84.5**	**242.363**	**9.2**	**19.287**	**0.068**	**0.307**	**77.5**	**0.314**	**21.5**	**0.081**	**0.196**	**67.6**	**0.212**	**BF exceeds limit**	**NG**
1016474.8	**15376785.8**	**1638.8**	**28.324**	**216.243**	**82.5**	**218.090**	**10.3**	**17.355**	**0.099**	**0.131**	**52.9**	**0.164**	**68.1**	**0.132**	**-0.047**	**-19.7**	**0.140**	**BF exceeds limit**	**NG**
1016472.1	15376781.6	1638.8	33.205	191.089	80.1	193.952	11.5	15.434	0.122	0.173	54.7	0.212	13.4	0.167	-0.203	-50.5	0.263		
1016469.4	15376777.4	1638.8	37.422	167.703	77.4	171.828	12.8	13.674	0.147	0.243	58.8	0.284	2.9	0.202	-0.283	-54.5	0.347		
1016466.8	15376773.1	1638.7	41.144	147.001	74.4	152.650	14.4	12.147	0.180	0.273	56.5	0.327	8.2	0.245	-0.307	-51.4	0.393		
1016464.1	15376768.9	1638.7	44.768	129.276	70.9	136.808	16.4	10.887	0.226	0.270	50.1	0.352	12.4	0.301	-0.295	-44.4	0.421		
1016461.5	15376764.7	1638.6	48.695	114.476	67.0	124.403	18.5	9.900	0.285	0.246	40.8	0.376	14.9	0.371	-0.260	-35.0	0.453		
1016458.8	15376760.4	1638.6	53.279	102.390	62.5	115.422	20.3	9.185	0.359	0.208	30.1	0.415	15.0	0.458	-0.212	-24.8	0.504		
1016456.2	15376756.2	1638.5	58.838	92.765	57.6	109.851	21.2	8.742	0.451	0.164	20.0	0.479	12.9	0.562	-0.156	-15.5	0.583		
1016453.5	15376752.0	1638.5	65.686	85.378	52.4	107.722	20.8	8.572	0.563	0.116	11.6	0.575	10.0	0.688	-0.095	-7.9	0.694		

1016450.8	15376747.7	1638.4	74.170	80.061	47.2	109.137	18.6	8.685	0.700	0.069	5.6	0.704	7.4	0.838	-0.030	-2.1	0.839	
1016448.2	15376743.5	1638.4	84.738	76.719	42.2	114.308	14.9	9.096	0.869	0.048	3.2	0.870	5.4	1.026	0.040	2.2	1.027	
1016445.5	15376739.2	1638.4	97.869	75.320	37.6	123.497	10.2	9.828	1.075	0.089	4.7	1.078	3.9	1.252	0.117	5.3	1.258	
1016442.9	15376735.0	1638.4	114.155	75.917	33.6	137.094	5.1	10.910	1.324	0.157	6.8	1.333	3.0	1.521	0.204	7.6	1.535	
1016440.2	**15376730.8**	**1638.4**	**134.220**	**78.637**	**30.4**	**155.560**	**1.5**	**12.379**	**1.617**	**0.242**	**8.5**	**1.635**	**2.5**	**1.831**	**0.306**	**9.5**	**1.856**	**EF exceeds limit NG**
1016437.6	**15376726.5**	**1638.4**	**158.706**	**83.698**	**27.8**	**179.424**	**6.1**	**14.278**	**1.943**	**0.345**	**10.1**	**1.974**	**2.5**	**2.184**	**0.430**	**11.1**	**2.226**	**EF exceeds limit NG**
1016434.9	**15376722.3**	**1638.4**	**187.255**	**91.364**	**26.0**	**208.355**	**11.4**	**16.580**	**2.269**	**0.474**	**11.8**	**2.318**	**3.0**	**2.498**	**0.579**	**13.0**	**2.565**	**BF and EF exceed limits NG**
1016432.2	**15376718.1**	**1638.3**	**218.282**	**101.925**	**25.0**	**240.906**	**16.8**	**19.171**	**2.521**	**0.635**	**14.1**	**2.600**	**4.2**	**2.672**	**0.751**	**15.7**	**2.776**	**BF and EF exceed limits NG**
1016429.6	**15376713.8**	**1638.2**	**249.069**	**115.755**	**24.9**	**274.653**	**22.5**	**21.856**	**2.595**	**0.836**	**17.9**	**2.727**	**6.4**	**2.627**	**0.955**	**20.0**	**2.795**	**BF and EF exceed limits NG**
1016426.9	**15376709.6**	**1638.1**	**275.249**	**133.071**	**25.8**	**305.728**	**28.6**	**24.329**	**2.393**	**1.071**	**24.1**	**2.621**	**10.5**	**2.271**	**1.177**	**27.4**	**2.558**	**BF and EF exceed limits NG**
1016424.3	**15376705.4**	**1638.0**	**292.734**	**153.645**	**27.7**	**330.606**	**34.9**	**26.309**	**1.888**	**1.307**	**34.7**	**2.296**	**17.5**	**1.592**	**1.378**	**40.9**	**2.105**	**BF and EF exceed limits NG**
1016421.6	**15376701.1**	**1638.0**	**299.560**	**176.319**	**30.5**	**347.598**	**41.0**	**27.661**	**1.184**	**1.476**	**51.3**	**1.892**	**28.3**	**0.691**	**1.478**	**64.9**	**1.632**	**BF and EF exceed limits NG**
1016418.9	**15376696.9**	**1637.9**	**296.338**	**198.559**	**33.8**	**356.710**	**45.6**	**28.386**	**0.615**	**1.481**	**67.4**	**1.604**	**39.3**	**-0.263**	**1.376**	**-79.2**	**1.400**	**BF and EF exceed limits NG**
1016416.3	**15376692.7**	**1637.8**	**285.500**	**216.659**	**37.2**	**358.401**	**47.1**	**28.521**	**0.869**	**1.241**	**55.0**	**1.515**	**43.8**	**-1.111**	**0.988**	**-41.6**	**1.487**	**BF exceeds limit NG**
1016413.6	**15376688.4**	**1637.7**	**270.170**	**226.919**	**40.0**	**352.824**	**44.8**	**28.077**	**1.408**	**0.791**	**29.3**	**1.615**	**40.4**	**-1.761**	**0.322**	**-10.4**	**1.790**	**BF and EF exceed limits NG**
1016411.0	**15376684.2**	**1637.6**	**252.712**	**227.043**	**41.9**	**339.724**	**39.9**	**27.034**	**1.826**	**0.574**	**17.5**	**1.914**	**28.2**	**-2.187**	**-0.500**	**12.9**	**2.243**	**BF and EF exceed limits NG**
1016408.3	**15376680.0**	**1637.6**	**233.689**	**216.678**	**42.8**	**318.684**	**34.2**	**25.360**	**2.073**	**1.054**	**26.9**	**2.326**	**16.5**	**-2.400**	**-1.279**	**28.0**	**2.720**	**BF and EF exceed limits NG**
1016405.7	**15376675.7**	**1637.5**	**212.509**	**197.370**	**42.9**	**290.026**	**28.8**	**23.080**	**2.149**	**1.561**	**36.0**	**2.656**	**9.1**	**-2.421**	**-1.833**	**37.1**	**3.037**	**BF and EF exceed limits NG**
1016403.0	**15376671.5**	**1637.4**	**189.144**	**172.327**	**42.3**	**255.875**	**24.0**	**20.362**	**2.070**	**1.833**	**41.5**	**2.765**	**5.0**	**-2.278**	**-2.077**	**42.4**	**3.083**	**BF and EF exceed limits NG**
1016400.3	**15376667.3**	**1637.3**	**165.000**	**145.648**	**41.4**	**220.087**	**20.0**	**17.514**	**1.879**	**1.860**	**44.7**	**2.644**	**2.7**	**-2.029**	**-2.050**	**45.3**	**2.884**	**BF and EF exceed limits NG**
1016397.7	**15376663.0**	**1637.3**	**142.220**	**120.949**	**40.4**	**186.696**	**16.5**	**14.857**	**1.633**	**1.719**	**46.5**	**2.371**	**1.5**	**-1.765**	**-1.884**	**46.9**	**2.582**	**EF exceeds limit NG**
1016395.0	**15376658.8**	**1637.3**	**121.863**	**99.621**	**39.3**	**157.401**	**13.6**	**12.526**	**1.379**	**1.500**	**47.4**	**2.038**	**0.8**	**-1.512**	**-1.661**	**47.7**	**2.246**	**EF exceeds limit NG**
1016392.4	**15376654.5**	**1637.3**	**104.295**	**81.915**	**38.1**	**132.618**	**11.1**	**10.553**	**1.147**	**1.267**	**47.9**	**1.709**	**0.5**	**-1.277**	**-1.421**	**48.1**	**1.911**	**EF exceeds limit NG**
1016389.7	15376650.3	1637.3	89.523	67.609	37.1	112.185	8.9	8.927	0.947	1.053	48.0	1.417	0.4	-1.071	-1.197	48.2	1.606	
1016387.1	15376646.1	1637.3	77.259	56.186	36.0	95.529	7.0	7.602	0.782	0.871	48.1	1.170	0.3	-0.898	-1.003	48.2	1.346	
1016384.4	15376641.8	1637.3	67.112	47.084	35.1	81.981	5.3	6.524	0.648	0.720	48.0	0.969	0.3	-0.755	-0.841	48.1	1.130	
1016381.7	15376637.6	1637.4	58.701	39.804	34.1	70.924	3.9	5.644	0.540	0.598	47.9	0.806	0.3	-0.638	-0.708	48.0	0.953	
1016379.1	15376633.4	1637.4	51.696	33.945	33.3	61.844	2.8	4.921	0.453	0.500	47.8	0.674	0.3	-0.543	-0.600	47.9	0.809	
1016376.4	15376629.1	1637.4	45.825	29.191	32.5	54.333	2.3	4.324	0.382	0.421	47.8	0.569	0.2	-0.464	-0.512	47.8	0.691	
1016373.8	15376624.9	1637.4	40.872	25.303	31.8	48.070	2.5	3.825	0.325	0.357	47.7	0.483	0.2	-0.400	-0.440	47.8	0.595	
1016371.1	15376620.7	1637.4	36.664	22.095	31.1	42.807	3.2	3.406	0.278	0.305	47.7	0.413	0.2	-0.347	-0.382	47.8	0.516	
1016368.4	15376616.4	1637.4	33.063	19.426	30.4	38.348	4.2	3.052	0.240	0.263	47.7	0.356	0.2	-0.302	-0.333	47.8	0.450	
1016365.8	15376612.2	1637.4	29.962	17.189	29.8	34.542	5.1	2.749	0.208	0.228	47.7	0.309	0.2	-0.265	-0.293	47.8	0.395	
1016363.1	15376608.0	1637.5	27.275	15.299	29.3	31.272	6.1	2.489	0.181	0.200	47.7	0.270	0.2	-0.234	-0.259	47.9	0.349	
1016360.5	15376603.7	1637.5	24.932	13.691	28.8	28.444	7.1	2.263	0.159	0.176	47.8	0.237	0.3	-0.207	-0.231	48.1	0.310	
1016357.8	15376599.5	1637.5	22.878	12.315	28.3	25.982	8.1	2.068	0.140	0.155	47.9	0.209	0.3	-0.184	-0.207	48.2	0.277	
1016355.2	15376595.3	1637.5	21.070	11.132	27.8	23.830	9.0	1.896	0.124	0.138	48.0	0.186	0.3	-0.166	-0.187	48.4	0.249	
1016352.5	15376591.0	1637.6	19.472	10.109	27.4	21.940	10.0	1.746	0.111	0.124	48.1	0.166	0.4	-0.150	-0.171	48.6	0.227	
1016349.8	15376586.8	1637.7	18.049	9.219	27.1	20.267	10.9	1.613	0.099	0.111	48.3	0.149	0.4	-0.137	-0.157	48.9	0.208	
1016347.2	15376582.6	1637.7	16.779	8.440	26.7	18.782	11.8	1.495	0.089	0.100	48.5	0.134	0.4	-0.126	-0.145	49.1	0.192	
1016344.5	15376578.3	1637.8	15.639	7.753	26.4	17.455	12.6	1.389	0.080	0.091	48.6	0.121	0.5	-0.115	-0.134	49.4	0.177	
1016341.9	15376574.1	1637.9	14.613	7.148	26.1	16.268	13.5	1.295	0.072	0.083	48.8	0.110	0.5	-0.106	-0.125	49.7	0.164	
1016339.2	15376569.8	1638.0	13.689	6.614	25.8	15.203	14.3	1.210	0.066	0.076	49.0	0.100	0.5	-0.099	-0.119	50.0	0.155	
1016336.5	15376565.6	1638.2	12.850	6.138	25.5	14.241	15.1	1.133	0.060	0.069	49.2	0.091	0.6	-0.093	-0.113	50.3	0.146	
1016333.9	15376561.4	1638.3	12.088	5.712	25.3	13.369	15.9	1.064	0.055	0.064	49.4	0.084	0.6	-0.088	-0.107	50.7	0.138	
1016331.2	15376557.1	1638.5	11.392	5.330	25.1	12.577	16.7	1.001	0.050	0.059	49.7	0.077	0.6	-0.083	-0.102	51.0	0.131	
1016328.6	15376552.9	1638.6	10.756	4.986	24.9	11.855	17.5	0.943	0.046	0.054	49.9	0.071	0.6	-0.078	-0.098	51.3	0.125	
1016325.9	15376548.7	1638.8	10.173	4.675	24.7	11.195	18.2	0.891	0.042	0.050	50.1	0.066	0.7	-0.074	-0.093	51.7	0.119	
1016323.3	15376544.4	1639.0	9.637	4.395	24.5	10.592	18.9	0.843	0.039	0.047	50.3	0.061	0.7	-0.070	-0.090	52.0	0.115	

Critical Energy/Electric Infrastructure Information (CEII) Has Been Redacted From This Document

PLS-CADD Version 20.01x64 11:32:02 AM Friday, February 28, 2025
Quanta Services - Dashiell
Project Name: 'C:\projects\L72\5269-T0072-700 REV 0-0G PLS CADD MODEL.don'
Line Title: 'L72 EXISTING CONDITIONS - M1'

3D EMF Calculation Notes:
1) Calculations based on the EPRI Red Book methods (3rd Edition, 2005 - 7.4 Calculation of Magnetic Fields and Appendices 7.1 Calculation of Field Ellipse Parameters and 7.6 Electric Field Calculations for 3D Geometry).
2) All wire positions are modeled at the specified weather case and wind direction. Height above ground determined by the modeled ground TIN.
3) Only the effects of wires are being analyzed. The effects of structures are not included unless enabled as noted below.
4) Ground return is being ignored for magnetic field calculations.

Meter height above ground:	3.28 (ft)
Maximum wire distance:	500.00 (ft)
Maximum cable segment size:	5.00 (ft)
Cross section offset +/-:	175.00 (ft)
Result interval:	5.00 (ft)
Electric field limit:	1.60 (kV/m)
Magnetic field limit:	200.00 (mG)
Space potential limit:	0.00 (kV)
Contour Map Spacing:	15 (ft)
Analyzing spans between these structures:	Undefined (#138 in line) - Undefined (#139 in line)

One or more sections have wind from both directions which is not supported. A wind direction of left is being used for those sections.

Section Data for 3D EMF Results:

Section Number	Section Note	Voltage Ph-Ph (kV)	Current (Amps)	Cable Filename	Cable Description	Conductors Per Phase	Bundle Diameter (in)	Cable Radius (in)	Weather Case	Condition	Wind Dir.	WC Temperature (deg F)	Effective Radius (in)
8		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
23		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
36		230.0	[redacted]	ortolan_acsr.wir	1033.5 kcmil 45/7 Strands ORTOLAN ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.606	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.606

Centerline results between structures Undefined (#138 in line) and Undefined (#139 in line)

3D EMF Point Results Centerline from Undefined (#138 in line) to Undefined (#139 in line):

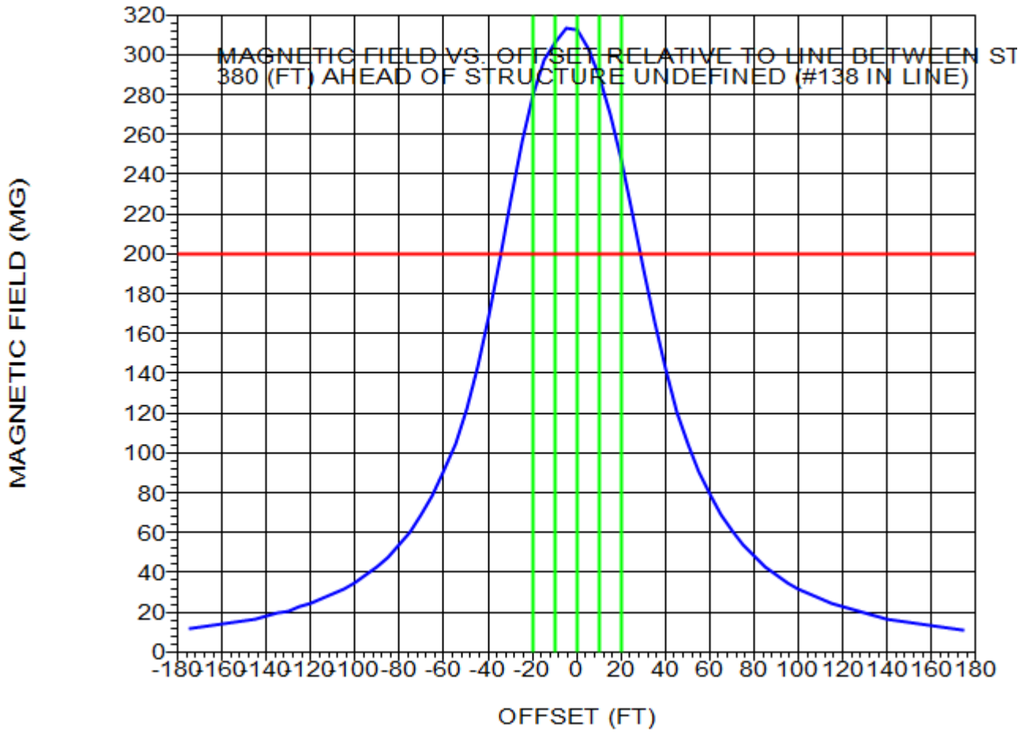
Measurement X (ft)	Measurement Y (ft)	Measurement Z (ft)	B Real (mG)	B Imaginary (mG)	B Angle (deg)	B Magnitude (mG)	B Polarization Axial Ratio %	H Magnitude (A/m)	EF Real (kV/m)	EF Imaginary (kV/m)	EF Angle (deg)	EF Magnitude (kV/m)	EF Polarization Axial Ratio %	Space Potential Real (kV)	Space Potential Imaginary (kV)	Space Potential Angle (deg)	Space Potential Magnitude (kV)
1153126.9	15334460.7	1203.5	95.381	58.425	31.5	111.853	22.0	8.901	0.121	0.147	50.4	0.190	60.3	-0.631	-0.201	17.7	0.662
1153131.2	15334458.1	1203.1	93.285	57.080	31.5	109.363	21.7	8.703	0.101	0.139	54.1	0.172	60.8	-0.632	-0.229	19.9	0.673
1153135.4	15334455.4	1203.2	93.279	57.090	31.5	109.363	21.7	8.703	0.101	0.140	54.3	0.173	60.9	-0.640	-0.235	20.2	0.682
1153139.7	15334452.8	1203.3	93.476	57.232	31.5	109.605	21.8	8.722	0.101	0.142	54.7	0.174	61.1	-0.649	-0.240	20.3	0.692
1153143.9	15334450.2	1203.4	93.846	57.484	31.5	110.052	21.8	8.758	0.101	0.145	55.3	0.177	61.3	-0.661	-0.246	20.4	0.705
1153148.2	15334447.5	1203.5	94.437	57.880	31.5	110.763	21.9	8.814	0.101	0.149	55.9	0.180	61.4	-0.674	-0.251	20.4	0.719
1153152.4	15334444.9	1203.5	95.223	58.401	31.5	111.705	22.0	8.889	0.101	0.154	56.6	0.184	61.2	-0.689	-0.256	20.4	0.735
1153156.7	15334442.3	1203.6	96.125	58.997	31.5	112.786	22.2	8.975	0.102	0.159	57.4	0.189	60.6	-0.706	-0.262	20.3	0.753
1153160.9	15334439.6	1203.8	97.670	60.015	31.6	114.635	22.4	9.122	0.107	0.166	57.1	0.198	61.3	-0.727	-0.260	19.7	0.773
1153165.2	15334437.0	1203.9	98.941	60.854	31.6	116.157	22.5	9.244	0.109	0.173	57.8	0.204	60.5	-0.749	-0.264	19.4	0.795
1153169.4	15334434.4	1204.1	100.478	61.868	31.6	117.997	22.7	9.390	0.112	0.181	58.2	0.213	60.0	-0.774	-0.267	19.0	0.819
1153173.7	15334431.7	1204.2	102.134	62.963	31.7	119.982	23.0	9.548	0.115	0.189	58.6	0.221	59.4	-0.801	-0.268	18.5	0.845
1153177.9	15334429.1	1204.4	103.900	64.133	31.7	122.099	23.2	9.716	0.119	0.197	58.9	0.230	58.8	-0.830	-0.270	18.0	0.873
1153182.2	15334426.5	1204.5	105.353	65.098	31.7	123.842	23.4	9.855	0.118	0.205	60.0	0.237	56.8	-0.859	-0.277	17.9	0.902
1153186.4	15334423.8	1204.5	106.623	65.945	31.7	125.369	23.5	9.977	0.115	0.212	61.6	0.241	53.8	-0.888	-0.288	18.0	0.933
1153190.7	15334421.2	1204.5	108.262	67.037	31.8	127.337	23.7	10.133	0.115	0.220	62.5	0.248	51.8	-0.918	-0.296	17.9	0.964
1153194.9	15334418.5	1204.8	110.498	68.530	31.8	130.024	24.0	10.347	0.120	0.231	62.5	0.260	51.9	-0.949	-0.295	17.2	0.994
1153199.2	15334415.9	1204.7	111.504	69.206	31.8	131.235	24.1	10.443	0.112	0.238	64.7	0.263	47.3	-0.976	-0.315	17.9	1.025
1153203.4	15334413.3	1205.0	114.114	70.957	31.9	134.376	24.5	10.693	0.121	0.250	64.1	0.277	48.5	-1.006	-0.310	17.1	1.053
1153207.7	15334410.6	1205.3	116.970	72.878	31.9	137.815	24.8	10.967	0.132	0.263	63.3	0.294	50.3	-1.037	-0.302	16.2	1.080
1153211.9	15334408.0	1205.5	119.115	74.328	32.0	140.404	25.1	11.173	0.135	0.273	63.7	0.305	49.4	-1.063	-0.307	16.1	1.107
1153216.2	15334405.4	1205.4	119.887	74.855	32.0	141.337	25.2	11.247	0.123	0.280	66.3	0.306	43.3	-1.082	-0.338	17.3	1.134

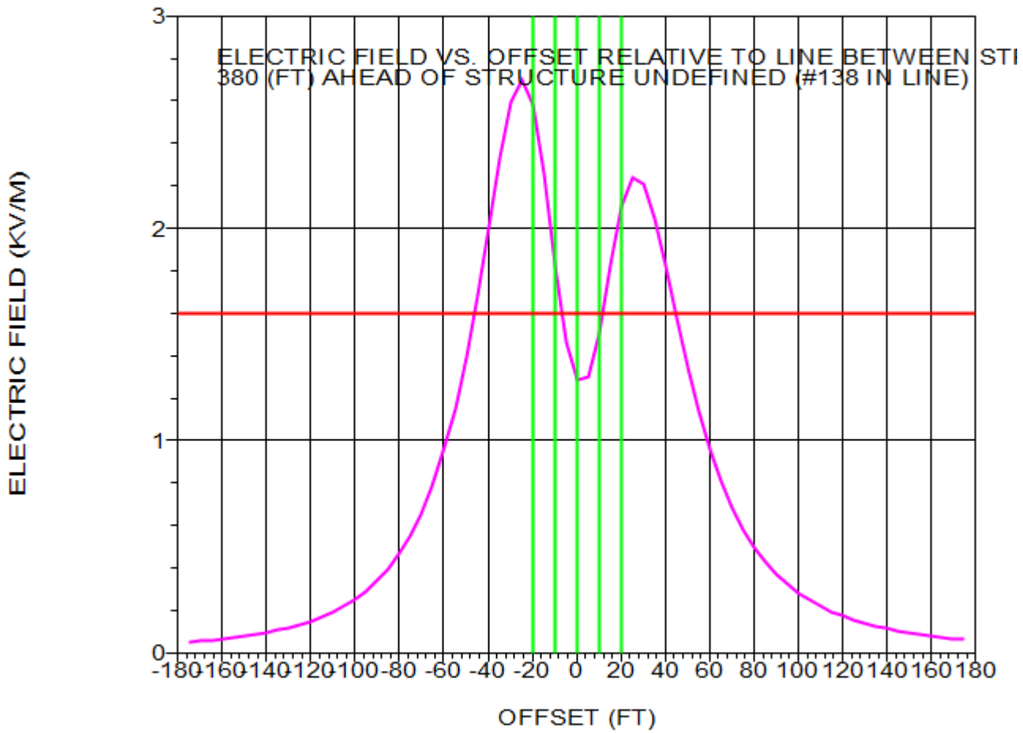
1153220.4	15334402.7	1205.6	122.423	76.575	32.0	144.399	25.5	11.491	0.129	0.293	66.2	0.320	43.2	-1.108	-0.340	17.1	1.159	
1153224.7	15334400.1	1206.1	126.214	79.158	32.1	148.983	25.9	11.856	0.147	0.310	64.6	0.343	46.9	-1.138	-0.322	15.8	1.183	
1153228.9	15334397.5	1206.4	128.807	80.933	32.1	152.123	26.3	12.106	0.152	0.323	64.8	0.357	46.2	-1.163	-0.327	15.7	1.208	
1153233.2	15334394.8	1206.6	131.221	82.592	32.2	155.050	26.6	12.338	0.154	0.337	65.4	0.371	44.5	-1.187	-0.338	15.9	1.234	
1153237.4	15334392.2	1206.9	134.335	84.740	32.2	158.829	26.9	12.639	0.163	0.354	65.3	0.389	44.5	-1.214	-0.339	15.6	1.260	
1153241.7	15334389.5	1207.2	137.550	86.968	32.3	162.737	27.3	12.950	0.171	0.372	65.2	0.409	44.5	-1.240	-0.341	15.4	1.286	
1153245.9	15334386.9	1207.6	140.790	89.222	32.4	166.680	27.7	13.264	0.180	0.390	65.2	0.430	44.2	-1.264	-0.345	15.3	1.310	
1153250.2	15334384.3	1207.7	143.109	90.845	32.4	169.508	28.0	13.489	0.179	0.407	66.2	0.445	41.3	-1.280	-0.371	16.2	1.333	
1153254.4	15334381.6	1208.1	146.799	93.434	32.5	174.011	28.4	13.847	0.192	0.429	65.9	0.470	41.8	-1.301	-0.373	16.0	1.353	
1153258.6	15334379.0	1208.6	151.491	96.703	32.6	179.725	28.9	14.302	0.213	0.454	64.9	0.501	44.0	-1.324	-0.361	15.3	1.373	
1153262.9	15334376.4	1209.0	155.171	99.315	32.6	184.233	29.3	14.661	0.226	0.477	64.6	0.528	44.1	-1.337	-0.366	15.3	1.386	
1153267.1	15334373.7	1209.4	159.179	102.175	32.7	189.150	29.8	15.052	0.244	0.502	64.1	0.558	44.8	-1.347	-0.363	15.1	1.395	
1153271.4	15334371.1	1209.9	164.560	106.040	32.8	195.766	30.4	15.579	0.274	0.531	62.7	0.598	48.2	-1.363	-0.330	13.6	1.402	
1153275.6	**15334368.5**	**1210.5**	**169.963**	**109.952**	**32.9**	**202.428**	**31.0**	**16.109**	**0.306**	**0.561**	**61.4**	**0.639**	**51.3**	**-1.378**	**-0.292**	**12.0**	**1.408**	**BF exceeds limit NG**
1153279.9	**15334365.8**	**1210.9**	**174.322**	**113.132**	**33.0**	**207.815**	**31.5**	**16.537**	**0.328**	**0.586**	**60.8**	**0.671**	**52.4**	**-1.383**	**-0.272**	**11.1**	**1.409**	**BF exceeds limit NG**
1153284.1	**15334363.2**	**1211.2**	**178.224**	**115.998**	**33.1**	**212.649**	**32.0**	**16.922**	**0.346**	**0.609**	**60.4**	**0.701**	**52.8**	**-1.383**	**-0.256**	**10.5**	**1.406**	**BF exceeds limit NG**
1153288.4	**15334360.6**	**1211.2**	**179.870**	**117.214**	**33.1**	**214.691**	**32.1**	**17.085**	**0.345**	**0.624**	**61.0**	**0.713**	**49.8**	**-1.364**	**-0.284**	**11.8**	**1.393**	**BF exceeds limit NG**
1153292.6	**15334357.9**	**1211.6**	**183.766**	**120.099**	**33.2**	**219.531**	**32.6**	**17.470**	**0.366**	**0.645**	**60.5**	**0.741**	**50.7**	**-1.363**	**-0.257**	**10.7**	**1.386**	**BF exceeds limit NG**
1153296.9	**15334355.3**	**1212.2**	**190.771**	**125.324**	**33.3**	**228.254**	**33.4**	**18.164**	**0.414**	**0.677**	**58.5**	**0.793**	**56.3**	**-1.391**	**-0.152**	**6.2**	**1.399**	**BF exceeds limit NG**
1153301.1	**15334352.6**	**1212.3**	**192.756**	**126.818**	**33.3**	**230.733**	**33.6**	**18.361**	**0.419**	**0.689**	**58.7**	**0.807**	**54.6**	**-1.378**	**-0.153**	**6.3**	**1.386**	**BF exceeds limit NG**
1153305.4	**15334350.0**	**1212.2**	**193.025**	**127.026**	**33.3**	**231.072**	**33.6**	**18.388**	**0.409**	**0.695**	**59.5**	**0.806**	**50.7**	**-1.352**	**-0.188**	**7.9**	**1.365**	**BF exceeds limit NG**
1153309.6	**15334347.4**	**1212.4**	**195.748**	**129.081**	**33.4**	**234.476**	**33.9**	**18.659**	**0.420**	**0.709**	**59.3**	**0.824**	**50.5**	**-1.354**	**-0.161**	**6.8**	**1.364**	**BF exceeds limit NG**
1153313.9	**15334344.7**	**1212.6**	**199.146**	**131.658**	**33.5**	**238.733**	**34.3**	**18.998**	**0.437**	**0.724**	**58.9**	**0.846**	**51.4**	**-1.371**	**-0.115**	**4.8**	**1.376**	**BF exceeds limit NG**
1153318.1	**15334342.1**	**1212.7**	**201.271**	**133.278**	**33.5**	**241.398**	**34.6**	**19.210**	**0.442**	**0.735**	**59.0**	**0.857**	**50.6**	**-1.384**	**-0.093**	**3.9**	**1.387**	**BF exceeds limit NG**
1153322.4	**15334339.5**	**1212.8**	**202.627**	**134.316**	**33.5**	**243.102**	**34.7**	**19.345**	**0.439**	**0.742**	**59.4**	**0.862**	**48.9**	**-1.399**	**-0.088**	**3.6**	**1.402**	**BF exceeds limit NG**
1153326.6	**15334336.8**	**1212.7**	**202.836**	**134.479**	**33.5**	**243.366**	**34.7**	**19.366**	**0.425**	**0.746**	**60.3**	**0.859**	**45.5**	**-1.412**	**-0.108**	**4.4**	**1.416**	**BF exceeds limit NG**
1153330.9	**15334334.2**	**1212.8**	**204.473**	**135.734**	**33.6**	**245.424**	**34.9**	**19.530**	**0.422**	**0.755**	**60.8**	**0.865**	**44.1**	**-1.449**	**-0.096**	**3.8**	**1.452**	**BF exceeds limit NG**
1153335.1	**15334331.6**	**1213.1**	**207.974**	**138.424**	**33.6**	**249.828**	**35.3**	**19.881**	**0.433**	**0.772**	**60.7**	**0.885**	**45.2**	**-1.513**	**-0.041**	**1.6**	**1.513**	**BF exceeds limit NG**
1153339.4	**15334328.9**	**1213.1**	**209.144**	**139.328**	**33.7**	**251.303**	**35.5**	**19.998**	**0.424**	**0.781**	**61.5**	**0.888**	**43.1**	**-1.559**	**-0.044**	**1.6**	**1.559**	**BF exceeds limit NG**
1153343.6	**15334326.3**	**1213.2**	**210.427**	**140.321**	**33.7**	**252.922**	**35.6**	**20.127**	**0.415**	**0.791**	**62.3**	**0.893**	**41.1**	**-1.610**	**-0.048**	**1.7**	**1.611**	**BF exceeds limit NG**
1153347.9	**15334323.6**	**1213.4**	**213.016**	**142.327**	**33.7**	**256.189**	**35.9**	**20.387**	**0.417**	**0.807**	**62.7**	**0.909**	**40.8**	**-1.675**	**-0.025**	**0.8**	**1.675**	**BF exceeds limit NG**
1153352.1	**15334321.0**	**1213.5**	**214.910**	**143.801**	**33.8**	**258.583**	**36.1**	**20.577**	**0.415**	**0.821**	**63.2**	**0.920**	**39.7**	**-1.732**	**-0.022**	**0.7**	**1.732**	**BF exceeds limit NG**
1153356.4	**15334318.4**	**1213.7**	**216.741**	**145.229**	**33.8**	**260.898**	**36.3**	**20.762**	**0.413**	**0.836**	**63.7**	**0.933**	**38.5**	**-1.783**	**-0.025**	**0.8**	**1.783**	**BF exceeds limit NG**
1153360.6	**15334315.7**	**1213.8**	**218.547**	**146.641**	**33.9**	**263.185**	**36.5**	**20.944**	**0.414**	**0.852**	**64.1**	**0.947**	**37.3**	**-1.828**	**-0.032**	**1.0**	**1.828**	**BF exceeds limit NG**
1153364.9	**15334313.1**	**1214.0**	**221.301**	**148.802**	**33.9**	**266.677**	**36.8**	**21.221**	**0.424**	**0.872**	**64.1**	**0.969**	**37.5**	**-1.875**	**-0.022**	**0.7**	**1.875**	**BF exceeds limit NG**
1153369.1	**15334310.5**	**1214.3**	**223.687**	**150.681**	**34.0**	**269.705**	**37.1**	**21.462**	**0.433**	**0.892**	**64.1**	**0.991**	**37.2**	**-1.910**	**-0.023**	**0.7**	**1.910**	**BF exceeds limit NG**
1153373.4	**15334307.8**	**1214.5**	**226.437**	**152.855**	**34.0**	**273.200**	**37.4**	**21.741**	**0.446**	**0.913**	**64.0**	**1.016**	**37.5**	**-1.943**	**-0.018**	**0.5**	**1.943**	**BF exceeds limit NG**
1153377.6	**15334305.2**	**1214.8**	**229.138**	**155.000**	**34.1**	**276.640**	**37.7**	**22.014**	**0.460**	**0.934**	**63.8**	**1.042**	**37.8**	**-1.971**	**-0.016**	**0.5**	**1.971**	**BF exceeds limit NG**
1153381.9	**15334302.6**	**1215.1**	**233.305**	**158.326**	**34.2**	**281.954**	**38.2**	**22.437**	**0.486**	**0.961**	**63.2**	**1.077**	**39.7**	**-2.011**	**0.023**	**-0.6**	**2.011**	**BF exceeds limit NG**
1153386.1	**15334299.9**	**1215.6**	**238.415**	**162.435**	**34.3**	**288.491**	**38.7**	**22.957**	**0.520**	**0.991**	**62.3**	**1.119**	**42.5**	**-2.062**	**0.085**	**-2.4**	**2.064**	**BF exceeds limit NG**
1153390.4	**15334297.3**	**1215.7**	**238.590**	**162.575**	**34.3**	**288.714**	**38.8**	**22.975**	**0.512**	**1.002**	**62.9**	**1.125**	**40.2**	**-2.065**	**0.026**	**-0.7**	**2.065**	**BF exceeds limit NG**
1153394.6	**15334294.7**	**1215.7**	**238.666**	**162.635**	**34.3**	**288.811**	**38.8**	**22.983**	**0.504**	**1.012**	**63.5**	**1.131**	**37.8**	**-2.069**	**-0.037**	**1.0**	**2.069**	**BF exceeds limit NG**
1153398.9	**15334292.0**	**1215.8**	**239.935**	**163.659**	**34.3**	**290.436**	**38.9**	**23.112**	**0.505**	**1.029**	**63.8**	**1.146**	**36.8**	**-2.087**	**-0.072**	**2.0**	**2.088**	**BF exceeds limit NG**
1153403.1	**15334289.4**	**1216.0**	**241.563**	**164.977**	**34.3**	**292.523**	**39.1**	**23.278**	**0.509**	**1.047**	**64.1**	**1.164**	**36.2**	**-2.110**	**-0.097**	**2.6**	**2.112**	**BF exceeds limit NG**
1153407.4	**15334286.7**	**1216.5**	**246.752**	**169.203**	**34.4**	**299.192**	**39.7**	**23.809**	**0.542**	**1.079**	**63.3**	**1.207**	**39.3**	**-2.172**	**-0.027**	**0.7**	**2.172**	**BF exceeds limit NG**
1153411.6	**15334284.1**	**1217.0**	**252.059**	**173.562**	**34.6**	**306.035**	**40.3**	**24.353**	**0.577**	**1.111**	**62.5**	**1.252**	**42.3**	**-2.237**	**0.049**	**-1.3**	**2.237**	**BF exceeds limit NG**
1153415.9	**15334281.5**	**1217.2**	**252.652**	**174.048**	**34.6**	**306.799**	**40.4**	**24.414**	**0.574**	**1.122**	**62.9**	**1.260**	**41.2**	**-2.253**	**0.011**	**-0.3**	**2.253**	**BF exceeds limit NG**
1153420.1	**15334278.8**	**1217.3**	**252.718**	**174.098**	**34.6**	**306.881**	**40.4**	**24.421**	**0.567**	**1.129**	**63.3**	**1.263**	**39.8**	**-2.264**	**-0.034**	**0.9**	**2.265**	**BF exceeds limit NG**
1153424.3	**15334276.2**	**1217.4**	**252.676**	**174.059**	**34.6**	**306.825**	**40.4**	**24.416**	**0.560**	**1.134**	**63.7**	**1.264**	**38.5**	**-2.275**	**-0.073**	**1.8**	**2.276**	**BF exceeds limit NG**
1153428.6	**15334273.6**	**1217.6**	**253.967**	**175.121**	**34.6**	**308.491**	**40.5**	**24.549**	**0.565**	**1.142**	**63.7**	**1.274**	**38.6**	**-2.300**	**-0.069**	**1.7**	**2.301**	**BF exceeds limit NG**
1153432.8	**15334270.9**	**1217.8**	**255.184**	**176.124**	**34.6**	**310.062**	**40.6**	**24.674**	**0.569**	**1.148**	**63.6**	**1.282**	**38.8**	**-2.323**	**-0.060**	**1.5**	**2.324**	**BF exceeds limit NG**
1153437.1	**15334268.3**	**1217.9**	**255.733**	**176.573**	**34.6**	**310.769**	**40.7**	**24.730**	**0.569**	**1.151**	**63.7**	**1.284**	**38.5**	**-2.339**	**-0.062**	**1.5**	**2.340**	**BF exceeds limit NG**
1153441.3	**15334265.7**	**1218.1**	**256.176**	**176.934**	**34.6**	**311.338**	**40.7**	**24.776**	**0.569**	**1.153**	**63.7**	**1.286**	**38.3**	**-2.353**	**-0.062**	**1.5**	**2.354**	**BF exceeds limit NG**
1153445.6	**15334263.0**	**1218.3**	**256.612**	**177.289**	**34.6**	**311.899**	**40.8**	**24.820**	**0.570**	**1.154**	**63.7**	**1.287**	**38.2**	**-2.369**	**-0.057**	**1.4**	**2.369**	**BF exceeds limit NG**
1153449.8	**15334260.4**	**1218.5**	**257.101**	**177.688**	**34.6**	**312.529**	**40.8**	**24.870**	**0.570**	**1.155**	**63.7**	**1.288**	**38.2**	**-2.386**	**-0.048**	**1.1**	**2.386**	**BF exceeds limit NG**
1153454.1	**15334257.7**	**1218.6**	**257.048**	**177.635**	**34.6**	**312.454**	**40.8**	**24.864**	**0.567**	**1.153**	**63.8**	**1.285**	**37.8**	**-2.399**	**-0.051**	**1.2**	**2.400**	**BF exceeds limit NG**
1153458.3	**15334255.1**	**1218.7**	**256.521**	**177.189**	**34.6**	**311.767**	**40.8**	**24.810**	**0.560**	**1.149**	**64.0**	**1.279**	**37.1**	**-2.410**	**-0.065**	**1.6**	**2.411**	**BF exceeds limit NG**
1153462.6	**15334252.5**	**1219.0**	**257.491**	**177.987**	**34.7**	**313.019**	**40.9**	**24.909**	**0.565**	**1.152**	**63.9**	**1.283**	**37.8**	**-2.440**	**-0.040**	**0.9**	**2.441**	**BF exceeds limit NG**
1153466.8	**15334249.8**	**1219.1**	**256.645**	**177.273**	**34.6**	**311.917**	**40.8**	**24.822**	**0.556**	**1.148**	**64.2**	**1.275**	**36.9**	**-2.455**	**-0.063**	**1.5**	**2.456**	**BF exceeds limit NG**
1153471.1	**15334247.2**	**1219.3**	**256.319**	**176.992**	**34.6**	**311.490**	**40.7**	**24.788**	**0.550**	**1.146**	**64.4**	**1.271**	**36.5**	**-2.479**	**-0.073**	**1.7**	**2.480**	**BF exceeds limit NG**
1153475.3	**15334244.6**	**1219.4**	**255.886**	**176.621**	**34.6**	**310.922**	**40.7**	**24.742**	**0.542**	**1.144**	**64.6**	**1.266**	**36.1**	**-2.507**	**-0.088**	**2.0**	**2.508**	**BF exceeds limit NG**
1153479.6	**15334241.9**	**1219.6**	**255.345**	**176.161**	**34.6**	**310.216**	**40.6**	**24.686**	**0.534**	**1.143**	**65.0**	**1.261**	**35.5**	**-2.538**	**-0.106**	**2.4**	**2.541**	**BF exceeds limit NG**
1153483.8	**15334239.3**	**1219.8**	**254.837**	**175.729**	**34.6**	**309.552**	**40.6**	**24.633**	**0.525**	**1.142**	**65.3**	**1.257**	**35.0**	**-2.574**	**-0.124**	**2.7**	**2.577**	**BF exceeds limit NG**
1153488.1	**15334236.7**	**1220.1**	**256.131**	**176.790**	**34.6**	**311.220**	**40.7**	**24.766**	**0.531**	**1.148**	**65.2**	**1.264**	**36.2**	**-2.632**	**-0.093**	**2.0**	**2.634**	**BF exceeds limit NG**
1153492.3	**15334234.0**	**1220.4**	**257.182**	**177.650**	**34.6**	**312.573**	**40.8**	**24.874**	**0.535**	**1.151**	**65.1**	**1.270**	**37.4**	**-2.690**	**-0.065**	**1.4**	**2.691**	**BF exceeds limit NG**
1153496.6	**15334231.4**	**1220.6**	**257.102**	**177.570**	**34.6**	**312.462**	**40.8**	**24.865**	**0.531**	**1.149**	**65.2**	**1.266**	**37.6**	**-2.739**	**-0.065**	**1.4**	**2.740**	**BF exceeds limit NG**
1153500.8	**15334228.8**	**1220.8**	**255.951**	**176.601**	**34.6**	**310.964**	**40.7**	**24.746**	**0.518**	**1.141**	**65.6**	**1.254**	**37.2**	**-2.782**	**-0.088**	**1.8**	**2.783**	**BF exceeds limit NG**
1153505.1	**15334226.1**	**1221.0**	**255.112**	**175.892**	**34.6**	**309.871**	**40.6**	**24.659**	**0.509**	**1.134**	**65.8**	**1.242**	**37.1**	**-2.830**	**-0.099**	**2.0**	**2.831**	**BF exceeds limit NG**
1153509.3	**15334223.5**	**1220.9**	**250.660**	**172.202**	**34.5**	**304.111**	**40.1**	**24.200**	**0.469**	**1.111**	**67.1**	**1.206**	**33.8**	**-2.847**	**-0.204**	**4.1**	**2.854**	**BF exceeds limit NG**
1153513.6	**15334220.8**	**1221.0**	**248.257**	**170.215**	**34.4**	**301.007**	**39.8**	**23.953**	**0.447**	**1.096**	**67.8**	**1.184**	**32.4**	**-2.887**	**-0.253**	**5.0**	**2.898**	**BF exceeds limit NG**
1153517.8	**15334218.2**	**1221.4**	**249.614**	**171.313**	**34.5**	**302.746**	**39.9**	**24.092**	**0.456**	**1.098**	**67.5**	**1.189**	**34.6**	**-2.960**	**-0.206**	**4.0**	**2.967**	**BF exceeds limit NG**
1153522.1	**15334215.6**	**1221.2**	**243.398**	**166.221**	**34.3**	**294.740**	**39.2**	**23.455**	**0.403**	**1.071**	**69.4**	**1.144**	**29.5**	**-2.967**	**-0.358**	**6.9**	**2.989**	**BF exceeds limit NG**
1153526.3	**15334212.9**	**1221.5**	**243.719**	**166.467**	**34.3**	**295.145**	**39.3**	**23.487**	**0.404**	**1.070**	**69.3**	**1.143**	**30.9**	**-3.028**	**-0.341**	**6.4**	**3.047**	**BF exceeds limit NG**
1153530.6	**15334210.3**	**1221.8**	**243.433**	**166.219**	**34.3**	**294.768**	**39.2**	**23.457**	**0.402**	**1.067**	**69.4**	**1.140**	**31.7**	**-3.078**	**-0.341**	**6.3**	**3.097**	**BF exceeds limit NG**

1153534.8	15334207.7	1222.0	242.054	165.083	34.3	292.989	39.1	23.315	0.392	1.060	69.7	1.130	31.5	-3.114	-0.369	6.8	3.136	BF exceeds limit NG
1153539.1	15334205.0	1222.1	240.055	163.450	34.3	290.417	38.8	23.111	0.379	1.050	70.1	1.117	30.9	-3.139	-0.412	7.5	3.166	BF exceeds limit NG
1153543.3	15334202.4	1222.3	237.981	161.761	34.2	287.752	38.6	22.899	0.367	1.040	70.5	1.103	30.3	-3.156	-0.454	8.2	3.189	BF exceeds limit NG
1153547.6	15334199.8	1222.7	238.769	162.379	34.2	288.752	38.7	22.978	0.382	1.040	69.8	1.108	32.8	-3.185	-0.418	7.5	3.213	BF exceeds limit NG
1153551.8	15334197.1	1222.9	236.371	160.509	34.2	285.717	38.5	22.737	0.374	1.028	70.0	1.094	32.7	-3.185	-0.449	8.0	3.216	BF exceeds limit NG
1153556.1	15334194.5	1223.0	234.153	158.712	34.1	282.873	38.2	22.510	0.367	1.014	70.1	1.079	32.7	-3.174	-0.481	8.6	3.210	BF exceeds limit NG
1153560.3	15334191.8	1223.2	231.869	156.868	34.1	279.948	37.9	22.278	0.362	1.000	70.1	1.063	32.9	-3.153	-0.509	9.2	3.194	BF exceeds limit NG
1153564.6	15334189.2	1223.3	229.042	154.601	34.0	276.337	37.6	21.990	0.354	0.982	70.2	1.044	32.9	-3.119	-0.543	9.9	3.166	BF exceeds limit NG
1153568.8	15334186.6	1223.6	227.564	153.411	34.0	274.445	37.4	21.840	0.361	0.968	69.5	1.033	34.6	-3.083	-0.534	9.8	3.129	BF exceeds limit NG
1153573.1	15334183.9	1223.8	226.369	152.447	34.0	272.916	37.3	21.718	0.373	0.953	68.6	1.023	37.0	-3.039	-0.508	9.5	3.082	BF exceeds limit NG
1153577.3	15334181.3	1224.2	225.446	151.698	33.9	271.732	37.2	21.624	0.390	0.937	67.4	1.015	39.9	-2.989	-0.467	8.9	3.025	BF exceeds limit NG
1153581.6	15334178.7	1224.1	220.839	148.060	33.8	265.879	36.7	21.158	0.374	0.906	67.6	0.980	39.4	-2.908	-0.510	9.9	2.952	BF exceeds limit NG
1153585.8	15334176.0	1224.2	216.823	144.908	33.8	260.788	36.2	20.753	0.365	0.875	67.4	0.948	39.8	-2.825	-0.529	10.6	2.874	BF exceeds limit NG
1153590.0	15334173.4	1224.2	212.637	141.645	33.7	255.495	35.7	20.332	0.355	0.844	67.2	0.915	40.2	-2.737	-0.545	11.3	2.791	BF exceeds limit NG
1153594.3	15334170.8	1224.2	208.484	138.429	33.6	250.256	35.3	19.915	0.347	0.812	66.9	0.883	40.8	-2.647	-0.555	11.8	2.704	BF exceeds limit NG
1153598.5	15334168.1	1224.2	204.367	135.262	33.5	245.075	34.8	19.502	0.339	0.780	66.5	0.851	41.6	-2.555	-0.561	12.4	2.616	BF exceeds limit NG
1153602.8	15334165.5	1224.2	200.291	132.147	33.4	239.957	34.3	19.095	0.332	0.750	66.1	0.820	42.5	-2.463	-0.564	12.9	2.527	BF exceeds limit NG
1153607.0	15334162.9	1224.2	196.358	129.159	33.3	235.028	33.9	18.703	0.327	0.721	65.6	0.792	43.7	-2.373	-0.563	13.3	2.438	BF exceeds limit NG
1153611.3	15334160.2	1224.2	192.418	126.186	33.3	230.103	33.5	18.311	0.322	0.693	65.1	0.764	45.0	-2.284	-0.562	13.8	2.352	BF exceeds limit NG
1153615.5	15334157.6	1224.2	188.251	123.061	33.2	224.905	33.0	17.897	0.315	0.665	64.7	0.736	46.1	-2.198	-0.566	14.4	2.269	BF exceeds limit NG
1153619.8	15334154.9	1224.2	184.160	120.015	33.1	219.814	32.5	17.492	0.308	0.638	64.2	0.708	47.2	-2.116	-0.567	15.0	2.191	BF exceeds limit NG
1153624.0	15334152.3	1224.2	180.160	117.054	33.0	214.847	32.1	17.097	0.301	0.611	63.8	0.681	48.5	-2.040	-0.566	15.5	2.117	BF exceeds limit NG
1153628.3	15334149.7	1224.1	176.271	114.194	32.9	210.027	31.6	16.713	0.295	0.585	63.2	0.655	50.0	-1.969	-0.561	15.9	2.048	BF exceeds limit NG
1153632.5	15334147.0	1224.1	172.248	111.254	32.9	205.053	31.2	16.318	0.287	0.559	62.8	0.628	51.2	-1.904	-0.557	16.3	1.984	BF exceeds limit NG
1153636.8	15334144.4	1223.7	166.244	106.909	32.7	197.652	30.5	15.729	0.259	0.525	63.8	0.585	49.0	-1.833	-0.595	18.0	1.928	
1153641.0	15334141.8	1223.6	162.243	104.033	32.7	192.732	30.0	15.337	0.249	0.499	63.4	0.558	49.9	-1.779	-0.588	18.3	1.874	
1153645.3	15334139.1	1223.7	159.691	102.207	32.6	189.599	29.8	15.088	0.253	0.478	62.1	0.541	53.0	-1.738	-0.550	17.6	1.823	
1153649.5	15334136.5	1223.2	153.173	97.588	32.5	181.618	29.0	14.453	0.216	0.443	64.0	0.493	48.7	-1.682	-0.595	19.5	1.784	
1153653.8	15334133.9	1223.0	149.532	95.030	32.4	177.174	28.6	14.099	0.206	0.419	63.9	0.467	49.1	-1.644	-0.583	19.5	1.745	
1153658.0	15334131.2	1222.9	146.550	92.952	32.4	173.542	28.3	13.810	0.201	0.398	63.2	0.446	50.2	-1.614	-0.561	19.2	1.708	
1153662.3	15334128.6	1222.4	141.821	89.676	32.3	167.794	27.8	13.353	0.175	0.373	64.8	0.412	46.9	-1.580	-0.577	20.1	1.682	
1153666.5	15334125.9	1222.1	138.304	87.265	32.3	163.533	27.4	13.014	0.160	0.353	65.6	0.387	45.2	-1.555	-0.576	20.3	1.658	
1153670.8	15334123.3	1222.1	137.225	86.552	32.2	162.240	27.3	12.911	0.168	0.342	63.9	0.381	48.2	-1.541	-0.535	19.1	1.631	
1153675.0	15334120.7	1221.9	135.465	85.381	32.2	160.128	27.1	12.743	0.165	0.332	63.6	0.370	48.6	-1.528	-0.515	18.6	1.612	

Max EF along centerline is 1.288 (kV/m) at 380.000 (ft) from structure Undefined (#138 in line)

Cross section results at max EF along centerline between structures Undefined (#138 in line) and Undefined (#139 in line)


MAGNETIC FIELD VS. OFFSET RELATIVE TO LINE BETWEEN ST
380 (FT) AHEAD OF STRUCTURE UNDEFINED (#138 IN LINE)
MAGNETIC FIELD (MG)
320
300
280
260
240
220
200
180
160
140
120
100
80
60
40
20
0
-180 -160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 160 180
OFFSET (FT)



3D EMF Point Results Span from Undefined (#138 in line) to Undefined (#139 in line):

Measurement			B					H	EF					Space Potential			
X (ft)	Y (ft)	Z (ft)	Real (mG)	Imaginary (mG)	Angle (deg)	Magnitude (mG)	Polarization Axial Ratio %	Magnitude (A/m)	Real (kV/m)	Imaginary (kV/m)	Angle (deg)	Magnitude (kV/m)	Polarization Axial Ratio %	Real (kV)	Imaginary (kV)	Angle (deg)	Magnitude (kV)
1153542.1	15334409.1	1235.5	10.422	5.152	26.3	11.625	0.4	0.925	0.051	0.007	8.0	0.051	1.1	0.235	0.002	0.4	0.235
1153539.5	15334404.8	1235.1	11.046	5.434	26.2	12.311	0.4	0.980	0.055	0.008	8.3	0.056	1.1	0.249	0.004	1.0	0.249
1153536.8	15334400.6	1234.5	11.726	5.740	26.1	13.055	0.5	1.039	0.060	0.009	8.6	0.061	1.0	0.260	0.007	1.5	0.260
1153534.2	15334396.3	1233.8	12.470	6.072	26.0	13.869	0.5	1.104	0.066	0.010	9.0	0.067	1.0	0.272	0.009	2.0	0.272
1153531.6	15334392.1	1233.4	13.291	6.435	25.8	14.767	0.6	1.175	0.072	0.012	9.3	0.073	0.9	0.289	0.013	2.6	0.290
1153528.9	15334387.8	1232.9	14.198	6.832	25.7	15.756	0.7	1.254	0.079	0.013	9.6	0.080	0.9	0.309	0.017	3.2	0.309
1153526.3	15334383.6	1232.4	15.198	7.266	25.6	16.846	0.8	1.341	0.087	0.015	9.8	0.088	0.8	0.328	0.021	3.7	0.329
1153523.6	15334379.3	1231.9	16.308	7.743	25.4	18.053	0.9	1.437	0.096	0.017	10.1	0.097	0.8	0.350	0.026	4.3	0.351
1153521.0	15334375.1	1231.4	17.546	8.269	25.2	19.397	1.0	1.544	0.106	0.019	10.4	0.108	0.8	0.376	0.032	4.9	0.377
1153518.4	15334370.8	1230.9	18.928	8.850	25.1	20.895	1.1	1.663	0.118	0.022	10.6	0.120	0.7	0.403	0.038	5.4	0.405
1153515.7	15334366.6	1230.4	20.481	9.494	24.9	22.575	1.2	1.796	0.132	0.025	10.8	0.134	0.7	0.435	0.045	5.9	0.437
1153513.1	15334362.4	1229.9	22.232	10.212	24.7	24.465	1.3	1.947	0.148	0.029	11.0	0.151	0.6	0.470	0.053	6.5	0.473
1153510.5	15334358.1	1229.5	24.217	11.013	24.5	26.603	1.5	2.117	0.167	0.033	11.2	0.170	0.6	0.511	0.063	7.0	0.515
1153507.8	15334353.9	1228.9	26.466	11.908	24.2	29.022	1.7	2.309	0.189	0.038	11.4	0.193	0.5	0.552	0.072	7.5	0.556
1153505.2	15334349.6	1228.4	29.047	12.918	24.0	31.790	1.9	2.530	0.216	0.044	11.5	0.220	0.5	0.602	0.084	7.9	0.608
1153502.6	15334345.4	1227.9	32.018	14.060	23.7	34.970	2.1	2.783	0.247	0.051	11.6	0.252	0.4	0.660	0.097	8.4	0.667
1153499.9	15334341.1	1227.2	35.423	15.347	23.4	38.605	2.5	3.072	0.285	0.059	11.7	0.291	0.4	0.711	0.109	8.7	0.720
1153497.3	15334336.9	1226.6	39.404	16.821	23.1	42.844	2.8	3.409	0.331	0.069	11.8	0.338	0.3	0.778	0.125	9.1	0.788
1153494.7	15334332.6	1226.1	44.089	18.518	22.8	47.820	3.2	3.805	0.386	0.081	11.8	0.394	0.3	0.863	0.145	9.5	0.875
1153492.0	15334328.4	1225.4	49.540	20.455	22.4	53.597	3.7	4.265	0.454	0.095	11.8	0.464	0.3	0.934	0.161	9.8	0.948
1153489.4	15334324.1	1224.7	56.012	22.703	22.1	60.438	4.2	4.810	0.538	0.112	11.8	0.550	0.3	1.019	0.181	10.1	1.035
1153486.7	15334319.9	1224.0	63.718	25.320	21.7	68.565	4.9	5.456	0.642	0.133	11.7	0.656	0.4	1.110	0.204	10.4	1.128

1153484.1	15334315.6	1223.5	73.018	28.405	21.3	78.348	5.7	6.235	0.771	0.159	11.7	0.787	0.4	1.224	0.232	10.7	1.246	
1153481.5	15334311.4	1223.0	84.330	32.074	20.8	90.224	6.6	7.180	0.930	0.192	11.6	0.950	0.6	1.370	0.268	11.1	1.397	
1153478.8	15334307.1	1222.5	98.028	36.443	20.4	104.583	7.7	8.322	1.127	0.232	11.6	1.151	0.8	1.528	0.311	11.5	1.559	
1153476.2	15334302.9	1222.1	114.760	41.718	20.0	122.107	9.0	9.717	1.367	0.282	11.7	1.396	1.0	1.717	0.367	12.1	1.756	
1153473.6	**15334298.6**	**1221.7**	**135.062**	**48.132**	**19.6**	**143.383**	**10.7**	**11.410**	**1.649**	**0.347**	**11.9**	**1.685**	**1.5**	**1.927**	**0.439**	**12.8**	**1.976**	**EF exceeds limit NG**
1153470.9	**15334294.4**	**1221.4**	**159.029**	**55.937**	**19.4**	**168.580**	**12.7**	**13.415**	**1.962**	**0.429**	**12.3**	**2.009**	**2.1**	**2.103**	**0.527**	**14.1**	**2.168**	**EF exceeds limit NG**
1153468.3	**15334290.1**	**1221.0**	**186.198**	**65.466**	**19.4**	**197.371**	**15.2**	**15.706**	**2.271**	**0.536**	**13.3**	**2.333**	**3.1**	**2.188**	**0.631**	**16.1**	**2.277**	**EF exceeds limit NG**
1153465.7	**15334285.9**	**1220.6**	**214.459**	**76.999**	**19.8**	**227.863**	**18.3**	**18.133**	**2.504**	**0.675**	**15.1**	**2.593**	**4.5**	**2.063**	**0.745**	**19.8**	**2.193**	**BF and EF exceed limits NG**
1153463.0	**15334281.6**	**1220.2**	**239.826**	**90.657**	**20.7**	**256.389**	**22.1**	**20.403**	**2.563**	**0.847**	**18.3**	**2.699**	**6.5**	**1.607**	**0.840**	**27.6**	**1.813**	**BF and EF exceed limits NG**
1153460.4	**15334277.4**	**1219.7**	**259.279**	**106.638**	**22.4**	**280.352**	**26.6**	**22.310**	**2.362**	**1.045**	**23.9**	**2.583**	**9.5**	**0.878**	**0.904**	**45.9**	**1.260**	**BF and EF exceed limits NG**
1153457.7	**15334273.1**	**1219.3**	**269.895**	**124.481**	**24.8**	**297.219**	**31.4**	**23.652**	**1.883**	**1.237**	**33.3**	**2.253**	**13.7**	**-0.045**	**0.884**	**-87.1**	**0.885**	**BF and EF exceed limits NG**
1153455.1	**15334268.9**	**1218.9**	**271.123**	**143.001**	**27.8**	**306.524**	**36.1**	**24.392**	**1.205**	**1.364**	**48.6**	**1.820**	**19.3**	**-0.988**	**0.717**	**-36.0**	**1.221**	**BF and EF exceed limits NG**
1153452.5	**15334264.6**	**1218.7**	**267.708**	**162.297**	**31.2**	**313.062**	**39.7**	**24.913**	**0.552**	**1.359**	**67.9**	**1.466**	**28.3**	**-1.761**	**0.457**	**-14.6**	**1.819**	**BF exceeds limit NG**
1153449.8	**15334260.4**	**1218.5**	**257.101**	**177.688**	**34.6**	**312.529**	**40.8**	**24.870**	**0.570**	**1.155**	**63.7**	**1.288**	**38.2**	**-2.386**	**-0.048**	**1.1**	**2.386**	**BF exceeds limit NG**
1153447.2	**15334256.1**	**1218.0**	**240.122**	**184.452**	**37.5**	**302.789**	**38.8**	**24.095**	**1.056**	**0.755**	**35.6**	**1.298**	**39.4**	**-2.725**	**-0.766**	**15.7**	**2.830**	**BF exceeds limit NG**
1153444.6	**15334251.9**	**1217.7**	**222.326**	**184.307**	**39.7**	**288.787**	**34.8**	**22.981**	**1.455**	**0.406**	**15.6**	**1.511**	**27.8**	**-2.827**	**-1.445**	**27.1**	**3.175**	**BF exceeds limit NG**
1153441.9	**15334247.6**	**1217.3**	**203.838**	**177.146**	**41.0**	**270.057**	**30.2**	**21.490**	**1.701**	**0.675**	**21.6**	**1.830**	**15.7**	**-2.759**	**-1.964**	**35.4**	**3.387**	**BF and EF exceed limits NG**
1153439.3	**15334243.4**	**1217.0**	**184.219**	**163.716**	**41.6**	**246.454**	**25.8**	**19.612**	**1.796**	**1.101**	**31.5**	**2.107**	**8.1**	**-2.549**	**-2.234**	**41.2**	**3.389**	**BF and EF exceed limits NG**
1153436.7	**15334239.1**	**1216.7**	**163.892**	**146.300**	**41.8**	**219.692**	**21.8**	**17.483**	**1.763**	**1.379**	**38.0**	**2.239**	**3.9**	**-2.244**	**-2.246**	**45.0**	**3.175**	**BF and EF exceed limits NG**
1153434.0	**15334234.9**	**1216.4**	**143.780**	**127.444**	**41.6**	**192.132**	**18.5**	**15.289**	**1.638**	**1.478**	**42.1**	**2.206**	**1.7**	**-1.897**	**-2.061**	**47.4**	**2.801**	**EF exceeds limit NG**
1153431.4	**15334230.6**	**1216.1**	**124.909**	**109.210**	**41.2**	**165.919**	**15.8**	**13.203**	**1.460**	**1.435**	**44.5**	**2.047**	**0.8**	**-1.551**	**-1.770**	**48.8**	**2.354**	**EF exceeds limit NG**
1153428.8	**15334226.4**	**1215.7**	**107.837**	**92.643**	**40.7**	**142.167**	**13.5**	**11.313**	**1.265**	**1.310**	**46.0**	**1.821**	**0.7**	**-1.218**	**-1.431**	**49.6**	**1.879**	**EF exceeds limit NG**
1153426.1	15334222.1	1215.0	92.366	77.706	40.1	120.706	11.7	9.605	1.077	1.150	46.9	1.576	0.8	-0.829	-1.001	50.4	1.300	
1153423.5	15334217.9	1215.0	80.582	66.680	39.6	104.593	10.2	8.323	0.908	0.989	47.4	1.343	0.8	-0.711	-0.850	50.1	1.108	
1153420.8	15334213.6	1214.8	70.350	57.223	39.1	90.684	8.9	7.216	0.763	0.840	47.7	1.135	0.8	-0.583	-0.689	49.8	0.903	
1153418.2	15334209.4	1214.6	61.707	49.370	38.7	79.026	7.8	6.289	0.642	0.710	47.9	0.957	0.7	-0.481	-0.559	49.3	0.737	
1153415.6	15334205.1	1214.3	54.309	42.758	38.2	69.121	6.9	5.500	0.541	0.600	48.0	0.808	0.7	-0.376	-0.430	48.8	0.571	
1153412.9	15334200.9	1214.0	48.063	37.274	37.8	60.823	6.2	4.840	0.457	0.509	48.1	0.684	0.6	-0.291	-0.325	48.2	0.436	
1153410.3	15334196.7	1213.6	42.784	32.718	37.4	53.860	5.6	4.286	0.389	0.433	48.1	0.582	0.5	-0.225	-0.244	47.3	0.332	
1153407.7	15334192.4	1213.3	38.317	28.929	37.1	48.011	5.0	3.821	0.333	0.371	48.1	0.498	0.4	-0.180	-0.188	46.3	0.260	
1153405.0	15334188.2	1213.0	34.480	25.722	36.7	43.017	4.6	3.423	0.286	0.319	48.1	0.429	0.3	-0.141	-0.141	45.0	0.200	
1153402.4	15334183.9	1212.6	31.165	22.991	36.4	38.728	4.2	3.082	0.248	0.277	48.2	0.371	0.3	-0.107	-0.101	43.1	0.147	
1153399.8	15334179.7	1212.3	28.310	20.672	36.1	35.054	3.8	2.789	0.215	0.241	48.2	0.323	0.2	-0.085	-0.073	40.9	0.112	
1153397.1	15334175.4	1212.1	25.835	18.688	35.9	31.886	3.5	2.537	0.188	0.211	48.3	0.283	0.2	-0.071	-0.057	38.6	0.091	
1153394.5	15334171.2	1211.9	23.666	16.969	35.6	29.121	3.2	2.317	0.165	0.186	48.3	0.249	0.1	-0.060	-0.043	35.9	0.074	
1153391.8	15334166.9	1211.6	21.756	15.472	35.4	26.697	3.0	2.124	0.146	0.165	48.4	0.220	0.1	-0.050	-0.032	32.7	0.060	
1153389.2	15334162.7	1211.5	20.075	14.169	35.2	24.571	2.7	1.955	0.130	0.147	48.5	0.196	0.0	-0.046	-0.027	30.7	0.054	
1153386.6	15334158.4	1211.1	18.562	13.006	35.0	22.665	2.5	1.804	0.115	0.131	48.6	0.175	0.0	-0.036	-0.016	23.8	0.039	
1153383.9	15334154.2	1211.1	17.241	12.002	34.8	21.007	2.4	1.672	0.103	0.118	48.8	0.156	0.1	-0.038	-0.019	26.3	0.043	
1153381.3	15334149.9	1211.0	16.045	11.100	34.7	19.510	2.2	1.553	0.093	0.106	48.9	0.141	0.1	-0.036	-0.017	24.7	0.040	
1153378.7	15334145.7	1210.7	14.956	10.285	34.5	18.151	2.0	1.444	0.083	0.096	49.0	0.127	0.1	-0.029	-0.009	16.9	0.030	
1153376.0	15334141.4	1210.3	13.973	9.555	34.4	16.928	1.9	1.347	0.075	0.087	49.2	0.115	0.2	-0.022	-0.001	3.5	0.022	
1153373.4	15334137.2	1209.9	13.085	8.900	34.2	15.824	1.8	1.259	0.068	0.080	49.4	0.105	0.2	-0.016	0.005	-16.2	0.017	
1153370.8	15334132.9	1209.7	12.285	8.314	34.1	14.834	1.7	1.180	0.062	0.073	49.5	0.096	0.2	-0.014	0.006	-24.2	0.016	
1153368.1	15334128.7	1209.4	11.555	7.784	34.0	13.932	1.6	1.109	0.057	0.067	49.7	0.088	0.2	-0.012	0.009	-37.2	0.015	
1153365.5	15334124.4	1209.2	10.888	7.302	33.8	13.110	1.5	1.043	0.052	0.061	49.9	0.080	0.3	-0.010	0.011	-49.3	0.015	
1153362.9	15334120.2	1209.1	10.283	6.868	33.7	12.366	1.4	0.984	0.047	0.057	50.1	0.074	0.3	-0.010	0.010	-44.3	0.014	
1153360.2	15334115.9	1209.0	9.727	6.471	33.6	11.683	1.3	0.930	0.044	0.052	50.3	0.068	0.3	-0.011	0.009	-40.2	0.014	
1153357.6	15334111.7	1208.5	9.207	6.101	33.5	11.046	1.3	0.879	0.040	0.049	50.5	0.063	0.3	-0.007	0.013	-62.7	0.015	

Critical Energy/Electric Infrastructure Information (CEII) Has Been Redacted From This Document

PLS-CADD Version 20.01x64 11:33:08 AM Friday, February 28, 2025
Quanta Services - Dashiell
Project Name: 'C:\projects\L72\5269-T0072-700 REV 0-0G PLS CADD MODEL.don'
Line Title: 'L72 EXISTING CONDITIONS - M1'

3D EMF Calculation Notes:
1) Calculations based on the EPRI Red Book methods (3rd Edition, 2005 - 7.4 Calculation of Magnetic Fields and Appendices 7.1 Calculation of Field Ellipse Parameters and 7.6 Electric Field Calculations for 3D Geometry).
2) All wire positions are modeled at the specified weather case and wind direction. Height above ground determined by the modeled ground TIN.
3) Only the effects of wires are being analyzed. The effects of structures are not included unless enabled as noted below.
4) Ground return is being ignored for magnetic field calculations.

Meter height above ground:	3.28 (ft)
Maximum wire distance:	500.00 (ft)
Maximum cable segment size:	5.00 (ft)
Cross section offset +/-:	175.00 (ft)
Result interval:	5.00 (ft)
Electric field limit:	1.60 (kV/m)
Magnetic field limit:	200.00 (mG)
Space potential limit:	0.00 (kV)
Contour Map Spacing:	15 (ft)
Analyzing spans between these structures:	Undefined (#77 in line) - Undefined (#78 in line)

One or more sections have wind from both directions which is not supported. A wind direction of left is being used for those sections.

Section Data for 3D EMF Results:

Section Number	Section Note	Voltage Ph-Ph (kV)	Current (Amps)	Cable Filename	Cable Description	Conductors Per Phase	Bundle Diameter (in)	Cable Radius (in)	Weather Case	Condition	Wind Dir.	WC Temperature (deg F)	Effective Radius (in)
4		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
5		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
6		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
19		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
20		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
21		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
33		230.0	[redacted]	ortolan_acsr.wir	1033.5 kcmil 45/7 Strands ORTOLAN ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.606	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.606
34		230.0	[redacted]	ortolan_acsr.wir	1033.5 kcmil 45/7 Strands ORTOLAN ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.606	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.606
42		230.0	[redacted]	ortolan_acsr.wir	1033.5 kcmil 45/7 Strands ORTOLAN ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.606	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.606

Centerline results between structures Undefined (#77 in line) and Undefined (#78 in line)

3D EMF Point Results Centerline from Undefined (#77 in line) to Undefined (#78 in line):

Measurement X (ft)	Measurement Y (ft)	Measurement Z (ft)	B Real (mG)	B Imaginary (mG)	B Angle (deg)	B Magnitude (mG)	B Polarization Axial Ratio %	H Magnitude (A/m)	EF Real (kV/m)	EF Imaginary (kV/m)	EF Angle (deg)	EF Magnitude (kV/m)	EF Polarization Axial Ratio %	Space Potential Real (kV)	Space Potential Imaginary (kV)	Space Potential Angle (deg)	Space Potential Magnitude (kV)	
1104728.9	15341813.5	1679.1	158.090	105.404	33.7	190.006	36.1	15.120	0.414	0.618	56.2	0.744	65.0	-2.579	-0.389	8.6	2.608	
1104733.7	15341812.3	1677.8	165.349	111.547	34.0	199.457	37.8	15.872	0.454	0.676	56.1	0.814	64.0	-2.851	-0.301	6.0	2.867	
1104738.6	**15341811.2**	**1676.2**	**173.024**	**118.022**	**34.3**	**209.443**	**39.5**	**16.667**	**0.482**	**0.740**	**56.9**	**0.883**	**61.6**	**-3.142**	**-0.240**	**4.4**	**3.151**	**BF exceeds limit NG**
1104743.5	**15341810.0**	**1675.2**	**185.434**	**128.375**	**34.7**	**225.534**	**41.7**	**17.947**	**0.546**	**0.828**	**56.6**	**0.992**	**60.9**	**-3.460**	**-0.052**	**0.9**	**3.461**	**BF exceeds limit NG**
1104748.3	**15341808.8**	**1672.6**	**189.866**	**131.884**	**34.8**	**231.177**	**42.2**	**18.396**	**0.525**	**0.877**	**59.1**	**1.022**	**55.7**	**-3.751**	**-0.145**	**2.2**	**3.753**	**BF exceeds limit NG**
1104753.2	**15341807.7**	**1669.5**	**190.662**	**132.190**	**34.7**	**232.005**	**41.9**	**18.462**	**0.464**	**0.907**	**62.9**	**1.019**	**48.1**	**-4.028**	**-0.369**	**5.2**	**4.045**	**BF exceeds limit NG**
1104758.0	**15341806.5**	**1666.3**	**190.475**	**131.647**	**34.7**	**231.542**	**41.4**	**18.425**	**0.393**	**0.934**	**67.2**	**1.013**	**39.9**	**-4.289**	**-0.626**	**8.3**	**4.334**	**BF exceeds limit NG**
1104762.9	**15341805.4**	**1663.2**	**190.024**	**130.913**	**34.6**	**230.754**	**41.0**	**18.363**	**0.326**	**0.958**	**71.2**	**1.012**	**32.6**	**-4.519**	**-0.878**	**11.0**	**4.604**	**BF exceeds limit NG**
1104767.8	**15341804.2**	**1658.3**	**178.391**	**121.133**	**34.2**	**215.631**	**38.9**	**17.159**	**0.141**	**0.941**	**81.5**	**0.951**	**14.7**	**-4.705**	**-1.536**	**18.1**	**4.950**	**BF exceeds limit NG**
1104772.6	**15341803.1**	**1655.0**	**176.688**	**119.547**	**34.1**	**213.331**	**38.4**	**16.976**	**0.102**	**0.947**	**83.8**	**0.953**	**10.8**	**-4.842**	**-1.760**	**20.0**	**5.152**	**BF exceeds limit NG**
1104777.5	**15341801.9**	**1651.5**	**173.035**	**116.468**	**33.9**	**208.581**	**37.6**	**16.598**	**0.088**	**0.938**	**84.6**	**0.942**	**9.3**	**-4.928**	**-2.003**	**22.1**	**5.319**	**BF exceeds limit NG**
1104782.4	**15341800.8**	**1647.6**	**167.752**	**112.187**	**33.8**	**201.808**	**36.7**	**16.059**	**0.111**	**0.916**	**83.1**	**0.923**	**11.7**	**-4.968**	**-2.250**	**24.4**	**5.453**	**BF exceeds limit NG**
1104787.2	15341799.6	1643.7	161.970	107.609	33.6	194.458	35.7	15.475	0.147	0.886	80.6	0.898	15.9	-4.970	-2.460	26.3	5.545	
1104792.1	15341798.4	1639.7	156.374	103.256	33.4	187.389	34.7	14.912	0.176	0.852	78.3	0.870	19.8	-4.947	-2.614	27.9	5.596	
1104797.0	15341797.3	1636.5	154.538	101.796	33.4	185.052	34.4	14.726	0.167	0.821	78.5	0.838	19.7	-4.918	-2.581	27.7	5.554	
1104801.8	15341796.1	1633.1	151.833	99.704	33.3	181.643	33.9	14.455	0.159	0.789	78.6	0.805	19.8	-4.881	-2.563	27.7	5.513	

1104806.7	15341795.0	1628.9	145.238	94.752	33.1	173.413	32.9	13.800	0.180	0.750	76.5	0.771	23.5	-4.839	-2.685	29.0	5.534
1104811.6	15341793.8	1625.2	140.956	91.565	33.0	168.085	32.3	13.376	0.186	0.716	75.4	0.740	25.5	-4.804	-2.710	29.4	5.515
1104816.4	15341792.7	1621.8	138.429	89.689	32.9	164.945	31.8	13.126	0.179	0.688	75.4	0.711	25.7	-4.772	-2.665	29.2	5.466
1104821.3	15341791.5	1618.6	136.492	88.254	32.9	162.539	31.5	12.934	0.168	0.662	75.7	0.683	25.3	-4.741	-2.602	28.8	5.408
1104826.2	15341790.4	1615.4	134.543	86.821	32.8	160.124	31.2	12.742	0.161	0.639	75.9	0.659	25.1	-4.709	-2.546	28.4	5.354
1104831.0	15341789.2	1612.4	133.427	85.997	32.8	158.740	31.0	12.632	0.148	0.621	76.6	0.638	23.9	-4.676	-2.468	27.8	5.287
1104835.9	15341788.0	1609.5	132.951	85.638	32.8	158.145	31.0	12.585	0.134	0.606	77.5	0.621	22.0	-4.640	-2.376	27.1	5.213
1104840.7	15341786.9	1606.0	129.909	83.441	32.7	154.398	30.5	12.287	0.138	0.588	76.7	0.604	23.3	-4.608	-2.384	27.4	5.189
1104845.6	15341785.7	1603.2	129.515	83.147	32.7	153.907	30.4	12.248	0.128	0.577	77.5	0.591	21.5	-4.572	-2.306	26.8	5.120
1104850.5	15341784.6	1599.7	126.489	80.980	32.6	150.190	30.0	11.952	0.133	0.562	76.7	0.578	23.0	-4.544	-2.327	27.1	5.105
1104855.3	15341783.4	1596.3	123.612	78.932	32.6	146.663	29.6	11.671	0.141	0.549	75.6	0.567	24.8	-4.517	-2.348	27.5	5.091
1104860.2	15341782.3	1593.4	122.905	78.425	32.5	145.795	29.5	11.602	0.135	0.540	75.9	0.557	23.7	-4.482	-2.293	27.1	5.035
1104865.1	15341781.1	1591.0	123.811	79.059	32.6	146.900	29.6	11.690	0.126	0.535	76.8	0.550	20.9	-4.439	-2.181	26.2	4.946
1104869.9	15341779.9	1587.8	121.936	77.730	32.5	144.604	29.3	11.507	0.130	0.524	76.1	0.540	21.7	-4.403	-2.168	26.2	4.908
1104874.8	15341778.8	1584.6	119.865	76.269	32.5	142.073	29.0	11.306	0.134	0.512	75.3	0.529	22.8	-4.365	-2.160	26.3	4.871
1104879.7	15341777.6	1581.4	117.863	74.861	32.4	139.628	28.7	11.111	0.138	0.501	74.5	0.519	23.9	-4.322	-2.148	26.4	4.826
1104884.5	15341776.5	1577.7	114.522	72.528	32.3	135.557	28.3	10.787	0.148	0.486	73.0	0.508	26.9	-4.280	-2.180	27.0	4.803
1104889.4	15341775.3	1574.4	111.928	70.763	32.3	132.421	28.0	10.538	0.153	0.474	72.1	0.499	28.6	-4.228	-2.181	27.3	4.758
1104894.3	15341774.2	1570.7	108.670	68.510	32.2	128.463	27.5	10.223	0.164	0.460	70.4	0.488	31.9	-4.175	-2.202	27.8	4.720
1104899.1	15341773.0	1567.0	105.331	66.215	32.2	124.414	27.0	9.901	0.174	0.445	68.6	0.478	35.6	-4.116	-2.220	28.3	4.677
1104904.0	15341771.9	1563.3	101.970	63.919	32.1	120.348	26.5	9.577	0.184	0.429	66.7	0.467	39.3	-4.052	-2.233	28.9	4.627
1104908.8	15341770.7	1559.5	98.743	61.727	32.0	116.449	26.0	9.267	0.192	0.413	65.0	0.455	42.7	-3.981	-2.235	29.3	4.566
1104913.7	15341769.5	1556.0	96.303	60.077	32.0	113.505	25.7	9.032	0.191	0.397	64.2	0.440	44.2	-3.902	-2.204	29.5	4.482
1104918.6	15341768.4	1552.4	93.756	58.363	31.9	110.437	25.3	8.788	0.190	0.380	63.4	0.425	45.7	-3.821	-2.173	29.6	4.396
1104923.4	15341767.2	1548.8	91.182	56.638	31.8	107.341	24.9	8.542	0.189	0.363	62.5	0.409	47.4	-3.739	-2.142	29.8	4.309
1104928.3	15341766.1	1545.7	89.818	55.727	31.8	105.701	24.7	8.411	0.176	0.347	63.1	0.389	45.7	-3.650	-2.069	29.6	4.196
1104933.2	15341764.9	1542.6	88.517	54.859	31.8	104.138	24.5	8.287	0.163	0.332	63.8	0.370	43.7	-3.561	-1.998	29.3	4.084
1104938.0	15341763.8	1539.2	86.505	53.523	31.7	101.724	24.2	8.095	0.157	0.318	63.8	0.354	43.6	-3.478	-1.955	29.3	3.990
1104942.9	15341762.6	1535.3	83.653	51.637	31.7	98.306	23.8	7.823	0.157	0.304	62.6	0.342	46.1	-3.403	-1.943	29.7	3.919
1104947.8	15341761.5	1532.1	82.209	50.685	31.7	96.578	23.6	7.685	0.147	0.292	63.3	0.327	44.4	-3.322	-1.890	29.6	3.822
1104952.6	15341760.3	1528.7	80.334	49.452	31.6	94.334	23.3	7.507	0.141	0.281	63.3	0.314	44.0	-3.247	-1.855	29.7	3.739
1104957.5	15341759.1	1525.4	78.687	48.373	31.6	92.367	23.0	7.350	0.134	0.271	63.7	0.302	42.9	-3.174	-1.818	29.8	3.657
1104962.4	15341758.0	1521.9	76.873	47.188	31.5	90.201	22.7	7.178	0.128	0.261	63.8	0.291	42.5	-3.106	-1.789	29.9	3.584
1104967.2	15341756.8	1518.6	75.398	46.226	31.5	88.440	22.5	7.038	0.121	0.252	64.4	0.280	40.9	-3.040	-1.752	30.0	3.509
1104972.1	15341755.7	1515.5	74.252	45.481	31.5	87.074	22.3	6.929	0.112	0.244	65.3	0.269	38.3	-2.978	-1.708	29.8	3.433
1104977.0	15341754.5	1512.4	73.105	44.737	31.5	85.707	22.2	6.820	0.104	0.236	66.2	0.258	35.9	-2.922	-1.666	29.7	3.363
1104981.8	15341753.4	1509.4	72.135	44.109	31.4	84.552	22.0	6.728	0.096	0.228	67.1	0.248	33.1	-2.871	-1.620	29.4	3.296
1104986.7	15341752.2	1506.1	70.583	43.106	31.4	82.704	21.8	6.581	0.094	0.220	66.7	0.239	33.2	-2.831	-1.594	29.4	3.249
1104991.5	15341751.0	1503.2	69.857	42.638	31.4	81.842	21.7	6.513	0.088	0.213	67.4	0.230	30.4	-2.791	-1.545	29.0	3.190
1104996.4	15341749.9	1500.1	68.811	41.963	31.4	80.597	21.5	6.414	0.087	0.205	67.1	0.223	29.7	-2.761	-1.508	28.6	3.146
1105001.3	15341748.7	1497.1	67.821	41.327	31.4	79.421	21.3	6.320	0.086	0.198	66.6	0.216	29.4	-2.736	-1.472	28.3	3.107
1105006.1	15341747.6	1493.8	66.563	40.519	31.3	77.926	21.1	6.201	0.088	0.191	65.2	0.210	31.0	-2.720	-1.446	28.0	3.081
1105011.0	15341746.4	1490.8	65.574	39.886	31.3	76.752	21.0	6.108	0.090	0.184	64.0	0.205	31.9	-2.706	-1.415	27.6	3.054
1105015.9	15341745.3	1487.9	64.852	39.424	31.3	75.895	20.9	6.040	0.090	0.179	63.1	0.200	31.7	-2.693	-1.380	27.1	3.026
1105020.7	15341744.1	1485.4	64.669	39.307	31.3	75.678	20.8	6.022	0.088	0.174	63.2	0.195	29.0	-2.675	-1.333	26.5	2.989
1105025.6	15341743.0	1482.4	63.811	38.759	31.3	74.660	20.7	5.941	0.090	0.169	61.9	0.192	30.1	-2.669	-1.308	26.1	2.972
1105030.5	15341741.8	1479.9	63.628	38.643	31.3	74.443	20.7	5.924	0.089	0.165	61.8	0.188	27.8	-2.655	-1.269	25.5	2.943
1105035.3	15341740.6	1476.8	62.585	37.977	31.2	73.206	20.5	5.826	0.092	0.161	60.1	0.185	30.1	-2.655	-1.255	25.3	2.936
1105040.2	15341739.5	1474.0	62.049	37.636	31.2	72.571	20.4	5.775	0.093	0.157	59.4	0.183	29.9	-2.647	-1.232	25.0	2.920
1105045.1	15341738.3	1471.2	61.317	37.171	31.2	71.704	20.3	5.706	0.095	0.154	58.3	0.181	30.9	-2.644	-1.217	24.7	2.910
1105049.9	15341737.2	1468.8	61.359	37.198	31.2	71.754	20.3	5.710	0.093	0.152	58.6	0.178	28.0	-2.628	-1.184	24.2	2.882
1105054.8	15341736.0	1466.6	61.524	37.303	31.2	71.950	20.4	5.726	0.091	0.151	59.0	0.176	24.6	-2.610	-1.150	23.8	2.852
1105059.6	15341734.9	1463.6	60.562	36.692	31.2	70.809	20.2	5.635	0.093	0.148	57.8	0.175	26.9	-2.610	-1.149	23.8	2.851
1105064.5	15341733.7	1460.0	58.827	35.592	31.2	68.756	19.9	5.471	0.099	0.143	55.2	0.174	32.9	-2.624	-1.169	24.0	2.872
1105069.4	15341732.6	1456.8	57.778	34.928	31.2	67.515	19.7	5.373	0.103	0.140	53.6	0.174	35.5	-2.626	-1.174	24.1	2.877
1105074.2	15341731.4	1453.9	56.969	34.417	31.1	66.558	19.6	5.297	0.106	0.137	52.4	0.173	37.0	-2.625	-1.172	24.1	2.875
1105079.1	15341730.2	1451.4	56.738	34.271	31.1	66.285	19.6	5.275	0.104	0.135	52.3	0.171	36.1	-2.612	-1.156	23.9	2.856
1105084.0	15341729.1	1448.9	56.535	34.143	31.1	66.045	19.6	5.256	0.103	0.133	52.3	0.169	35.2	-2.598	-1.140	23.7	2.837
1105088.8	15341727.9	1446.8	56.716	34.258	31.1	66.259	19.6	5.273	0.100	0.132	52.8	0.166	32.8	-2.576	-1.115	23.4	2.807
1105093.7	15341726.8	1444.5	56.650	34.217	31.1	66.181	19.6	5.267	0.099	0.130	52.9	0.164	31.6	-2.558	-1.097	23.2	2.783
1105098.6	15341725.6	1441.3	55.510	33.498	31.1	64.834	19.4	5.159	0.103	0.127	50.9	0.163	35.3	-2.560	-1.109	23.4	2.790
1105103.4	15341724.5	1438.9	55.376	33.414	31.1	64.676	19.4	5.147	0.102	0.125	50.8	0.161	34.7	-2.542	-1.095	23.3	2.768
1105108.3	15341723.3	1437.3	56.245	33.962	31.1	65.704	19.6	5.229	0.096	0.126	52.5	0.159	30.0	-2.502	-1.058	22.9	2.716
1105113.2	15341722.1	1435.3	56.556	34.159	31.1	66.072	19.6	5.258	0.094	0.126	53.1	0.157	27.8	-2.472	-1.037	22.8	2.680
1105118.0	15341721.0	1433.0	56.451	34.093	31.1	65.947	19.6	5.248	0.094	0.125	53.2	0.156	27.6	-2.448	-1.028	22.8	2.655
1105122.9	15341719.8	1431.0	56.681	34.238	31.1	66.219	19.7	5.270	0.092	0.126	53.7	0.156	26.1	-2.416	-1.014	22.8	2.620
1105127.8	15341718.7	1427.8	55.535	33.516	31.1	64.865	19.5	5.162	0.093	0.123	52.8	0.154	30.2	-2.408	-1.036	23.3	2.621
1105132.6	15341717.5	1425.8	55.753	33.654	31.1	65.123	19.5	5.182	0.092	0.124	53.6	0.154	28.6	-2.373	-1.025	23.4	2.585
1105137.5	15341716.4	1423.7	55.966	33.789	31.1	65.375	19.6	5.202	0.090	0.125	54.3	0.154	27.0	-2.337	-1.016	23.5	2.548
1105142.3	15341715.2	1421.3	55.739	33.646	31.1	65.107	19.5	5.181	0.089	0.126	54.7	0.154	27.1	-2.307	-1.020	23.8	2.523
1105147.2	15341714.1	1418.8	55.147	33.289	31.1	64.416	19.5	5.126	0.088	0.126	55.1	0.153	27.5	-2.272	-1.046	24.7	2.502
1105152.1	15341712.9	1416.8	55.329	33.404	31.1	64.631	19.6	5.143	0.086	0.127	55.8	0.154	25.8	-2.234	-1.040	25.0	2.464
1105156.9	15341711.7	1414.7	55.481	33.500	31.1	64.810	19.6	5.157	0.086	0.129	56.3	0.154	24.4	-2.195	-1.035	25.2	2.426
1105161.8	15341710.6	1411.7	54.453	32.852	31.1	63.596	19.4	5.061	0.084	0.127	56.5	0.152	26.6	-2.173	-1.060	26.0	2.418

1105166.7	15341709.4	1408.7	53.538	32.277	31.1	62.515	19.3	4.975	0.083	0.126	56.5	0.151	28.5	-2.148	-1.082	26.7	2.405
1105171.5	15341708.3	1406.1	52.996	31.936	31.1	61.874	19.2	4.924	0.082	0.125	56.7	0.150	29.1	-2.116	-1.093	27.3	2.382
1105176.4	15341707.1	1403.5	52.459	31.599	31.1	61.241	19.1	4.873	0.081	0.125	56.9	0.149	29.6	-2.083	-1.102	27.9	2.356
1105181.3	15341706.0	1401.9	53.122	32.016	31.1	62.024	19.2	4.936	0.079	0.126	58.0	0.149	25.7	-2.030	-1.075	27.9	2.297
1105186.1	15341704.8	1399.6	52.923	31.891	31.1	61.789	19.2	4.917	0.077	0.126	58.4	0.148	24.9	-1.989	-1.070	28.3	2.259
1105191.0	15341703.7	1396.6	51.937	31.272	31.1	60.625	19.0	4.824	0.076	0.124	58.5	0.145	26.5	-1.959	-1.085	29.0	2.239
1105195.9	15341702.5	1394.1	51.524	31.013	31.0	60.138	19.0	4.786	0.074	0.122	58.9	0.143	26.2	-1.919	-1.081	29.4	2.203
1105200.7	15341701.3	1391.9	51.412	30.943	31.0	60.005	18.9	4.775	0.071	0.121	59.5	0.141	24.7	-1.875	-1.067	29.6	2.157
1105205.6	15341700.2	1389.3	50.870	30.604	31.0	59.366	18.8	4.724	0.069	0.119	59.9	0.138	24.5	-1.836	-1.061	30.0	2.120
1105210.4	15341699.0	1386.7	50.298	30.246	31.0	58.691	18.7	4.671	0.067	0.117	60.3	0.134	24.4	-1.797	-1.055	30.4	2.084
1105215.3	15341697.9	1384.0	49.677	29.858	31.0	57.959	18.6	4.612	0.064	0.114	60.7	0.131	24.5	-1.759	-1.047	30.7	2.047
1105220.2	15341696.7	1381.7	49.450	29.716	31.0	57.692	18.6	4.591	0.061	0.112	61.4	0.127	23.0	-1.718	-1.026	30.8	2.001
1105225.0	15341695.6	1379.5	49.314	29.631	31.0	57.532	18.6	4.578	0.058	0.109	62.0	0.124	21.1	-1.678	-1.002	30.8	1.954
1105229.9	15341694.4	1377.4	49.311	29.630	31.0	57.528	18.6	4.578	0.056	0.107	62.5	0.121	18.7	-1.638	-0.973	30.7	1.905
1105234.8	15341693.2	1375.4	49.331	29.643	31.0	57.552	18.6	4.580	0.054	0.105	62.8	0.118	16.6	-1.600	-0.943	30.5	1.857
1105239.6	15341692.1	1372.6	48.655	29.221	31.0	56.755	18.5	4.516	0.051	0.101	63.1	0.113	16.6	-1.571	-0.930	30.6	1.825
1105244.5	15341690.9	1370.0	48.060	28.850	31.0	56.054	18.4	4.461	0.049	0.097	63.3	0.109	16.9	-1.543	-0.915	30.7	1.794
1105249.4	15341689.8	1367.3	47.445	28.467	31.0	55.329	18.3	4.403	0.047	0.093	63.2	0.105	17.8	-1.517	-0.900	30.7	1.764
1105254.2	15341688.6	1364.9	47.017	28.200	31.0	54.825	18.2	4.363	0.046	0.090	63.0	0.101	18.2	-1.492	-0.882	30.6	1.733
1105259.1	15341687.5	1362.4	46.577	27.927	30.9	54.308	18.1	4.322	0.045	0.087	62.7	0.098	18.9	-1.469	-0.865	30.5	1.705
1105264.0	15341686.3	1360.4	46.616	27.952	30.9	54.354	18.1	4.325	0.044	0.085	62.8	0.096	16.5	-1.443	-0.840	30.2	1.670
1105268.8	15341685.2	1359.0	47.169	28.296	31.0	55.006	18.2	4.377	0.044	0.085	62.5	0.096	12.4	-1.414	-0.806	29.7	1.627
1105273.7	15341684.0	1356.6	46.761	28.042	31.0	54.525	18.2	4.339	0.043	0.083	62.4	0.094	12.7	-1.395	-0.795	29.7	1.606
1105278.6	15341682.8	1353.9	46.081	27.620	30.9	53.724	18.0	4.275	0.042	0.081	62.4	0.091	14.2	-1.380	-0.792	29.8	1.591
1105283.4	15341681.7	1351.6	45.802	27.446	30.9	53.396	18.0	4.249	0.042	0.080	62.3	0.090	14.0	-1.363	-0.782	29.9	1.572
1105288.3	15341680.5	1349.4	45.641	27.346	30.9	53.206	18.0	4.234	0.042	0.079	62.2	0.090	13.1	-1.345	-0.772	29.8	1.551
1105293.1	15341679.4	1347.2	45.455	27.232	30.9	52.988	17.9	4.217	0.042	0.079	62.0	0.089	12.4	-1.329	-0.764	29.9	1.533
1105298.0	15341678.2	1344.5	44.749	26.794	30.9	52.157	17.8	4.151	0.041	0.078	62.2	0.088	13.7	-1.319	-0.768	30.2	1.526
1105302.9	15341677.1	1342.3	44.509	26.645	30.9	51.875	17.8	4.128	0.041	0.077	62.1	0.088	12.8	-1.304	-0.762	30.3	1.511
1105307.7	15341675.9	1339.9	44.132	26.412	30.9	51.432	17.7	4.093	0.041	0.077	62.1	0.087	12.4	-1.292	-0.760	30.5	1.499
1105312.6	15341674.8	1337.7	43.919	26.280	30.9	51.182	17.7	4.073	0.041	0.077	62.0	0.087	11.2	-1.278	-0.754	30.5	1.484
1105317.5	15341673.6	1335.1	43.337	25.920	30.9	50.497	17.6	4.018	0.040	0.076	62.0	0.086	11.8	-1.269	-0.756	30.8	1.477
1105322.3	15341672.4	1332.3	42.575	25.449	30.9	49.601	17.4	3.947	0.040	0.074	61.8	0.084	14.2	-1.263	-0.761	31.1	1.474
1105327.2	15341671.3	1330.0	42.238	25.241	30.9	49.205	17.4	3.916	0.040	0.073	61.5	0.084	13.7	-1.252	-0.754	31.1	1.462
1105332.1	15341670.1	1327.6	41.853	25.003	30.9	48.753	17.3	3.880	0.040	0.072	61.2	0.083	13.7	-1.242	-0.748	31.1	1.450
1105336.9	15341669.0	1324.8	41.073	24.523	30.8	47.837	17.1	3.807	0.040	0.071	60.3	0.081	17.6	-1.237	-0.749	31.2	1.446
1105341.8	15341667.8	1322.6	40.862	24.393	30.8	47.589	17.1	3.787	0.040	0.069	60.0	0.080	16.4	-1.226	-0.735	31.0	1.429
1105346.7	15341666.7	1319.7	40.047	23.891	30.8	46.632	16.9	3.711	0.041	0.067	58.5	0.079	21.4	-1.223	-0.733	31.0	1.426
1105351.5	15341665.5	1317.3	39.697	23.675	30.8	46.221	16.9	3.678	0.041	0.065	57.7	0.077	22.0	-1.214	-0.720	30.7	1.411
1105356.4	15341664.3	1314.5	38.980	23.235	30.8	45.380	16.7	3.611	0.043	0.063	55.6	0.076	26.4	-1.211	-0.713	30.5	1.405
1105361.2	15341663.2	1312.4	38.770	23.106	30.8	45.133	16.7	3.592	0.043	0.061	54.9	0.074	26.0	-1.201	-0.694	30.0	1.387
1105366.1	15341662.0	1309.4	37.990	22.628	30.8	44.218	16.5	3.519	0.046	0.058	52.0	0.074	30.9	-1.200	-0.686	29.8	1.382
1105371.0	15341660.9	1306.7	37.376	22.251	30.8	43.498	16.4	3.461	0.048	0.056	49.3	0.074	33.7	-1.197	-0.675	29.4	1.374
1105375.8	15341659.7	1304.6	37.167	22.123	30.8	43.253	16.4	3.442	0.048	0.054	48.2	0.072	33.4	-1.188	-0.656	28.9	1.357
1105380.7	15341658.6	1302.5	36.957	21.995	30.8	43.007	16.3	3.422	0.048	0.051	47.0	0.070	33.1	-1.179	-0.637	28.4	1.340
1105385.6	15341657.4	1300.5	36.840	21.923	30.8	42.870	16.3	3.411	0.047	0.049	46.2	0.068	32.1	-1.169	-0.618	27.9	1.322
1105390.4	15341656.3	1298.8	36.917	21.971	30.8	42.960	16.4	3.419	0.046	0.048	46.2	0.066	30.0	-1.155	-0.597	27.3	1.300
1105395.3	15341655.1	1297.7	37.465	22.307	30.8	43.603	16.5	3.470	0.042	0.047	48.0	0.063	24.2	-1.133	-0.569	26.7	1.268
1105400.2	15341653.9	1295.4	37.100	22.083	30.8	43.174	16.4	3.436	0.043	0.045	46.5	0.062	25.6	-1.126	-0.559	26.4	1.257
1105405.0	15341652.8	1293.6	37.101	22.084	30.8	43.177	16.4	3.436	0.042	0.044	46.4	0.061	24.2	-1.112	-0.544	26.1	1.237
1105409.9	15341651.6	1292.3	37.464	22.307	30.8	43.602	16.5	3.470	0.041	0.044	47.5	0.060	19.9	-1.092	-0.524	25.7	1.211
1105414.8	15341650.5	1290.5	37.397	22.266	30.8	43.524	16.5	3.464	0.040	0.044	47.5	0.059	19.3	-1.078	-0.514	25.5	1.194
1105419.6	15341649.3	1288.7	37.395	22.265	30.8	43.521	16.5	3.463	0.039	0.043	47.8	0.059	18.3	-1.062	-0.503	25.4	1.175
1105424.5	15341648.2	1287.2	37.617	22.401	30.8	43.782	16.5	3.484	0.039	0.044	48.4	0.059	15.6	-1.043	-0.491	25.2	1.153
1105429.4	15341647.0	1285.4	37.561	22.367	30.8	43.717	16.5	3.479	0.038	0.044	48.9	0.058	15.2	-1.027	-0.484	25.2	1.135
1105434.2	15341645.9	1283.4	37.405	22.271	30.8	43.533	16.5	3.464	0.037	0.043	49.4	0.057	15.7	-1.013	-0.479	25.3	1.120
1105439.1	15341644.7	1281.8	37.485	22.320	30.8	43.627	16.5	3.472	0.036	0.044	50.1	0.057	14.2	-0.995	-0.471	25.3	1.101
1105443.9	15341643.5	1280.3	37.646	22.419	30.8	43.816	16.6	3.487	0.036	0.044	50.7	0.057	12.3	-0.977	-0.463	25.4	1.081
1105448.8	15341642.4	1278.9	37.872	22.558	30.8	44.081	16.6	3.508	0.036	0.045	51.1	0.058	10.5	-0.959	-0.454	25.4	1.061
1105453.7	15341641.2	1277.1	37.820	22.526	30.8	44.020	16.6	3.503	0.035	0.045	51.7	0.057	10.0	-0.944	-0.450	25.5	1.046
1105458.5	15341640.1	1275.5	37.963	22.614	30.8	44.188	16.6	3.516	0.036	0.045	51.9	0.058	9.2	-0.929	-0.444	25.5	1.029
1105463.4	15341638.9	1273.6	37.812	22.522	30.8	44.011	16.6	3.502	0.034	0.045	52.7	0.056	8.7	-0.917	-0.442	25.7	1.018
1105468.3	15341637.8	1271.8	37.741	22.478	30.8	43.928	16.6	3.496	0.033	0.045	53.3	0.056	7.9	-0.905	-0.439	25.9	1.006
1105473.1	15341636.6	1269.8	37.525	22.346	30.8	43.675	16.6	3.476	0.032	0.044	54.3	0.054	6.8	-0.896	-0.439	26.1	0.997
1105478.0	15341635.4	1267.6	37.140	22.110	30.8	43.223	16.5	3.440	0.029	0.043	55.7	0.052	5.8	-0.889	-0.441	26.4	0.993
1105482.9	15341634.3	1266.0	37.196	22.145	30.8	43.289	16.5	3.445	0.029	0.043	55.8	0.052	4.3	-0.880	-0.436	26.4	0.982
1105487.7	15341633.1	1264.3	37.212	22.155	30.8	43.308	16.5	3.446	0.029	0.043	55.9	0.052	3.1	-0.872	-0.433	26.4	0.974
1105492.6	15341632.0	1262.7	37.224	22.162	30.8	43.322	16.5	3.447	0.029	0.043	55.8	0.052	2.3	-0.866	-0.429	26.4	0.966
1105497.5	15341630.8	1261.2	37.333	22.229	30.8	43.450	16.6	3.458	0.030	0.043	55.3	0.053	3.0	-0.859	-0.424	26.3	0.958
1105502.3	15341629.7	1260.1	37.726	22.470	30.8	43.911	16.6	3.494	0.033	0.044	53.7	0.055	6.7	-0.851	-0.414	26.0	0.946
1105507.2	15341628.5	1259.0	38.136	22.722	30.8	44.392	16.7	3.533	0.036	0.046	51.9	0.058	9.8	-0.843	-0.405	25.7	0.935
1105512.0	15341627.4	1257.1	37.934	22.598	30.8	44.154	16.7	3.514	0.035	0.045	52.4	0.057	8.5	-0.842	-0.405	25.7	0.934
1105516.9	15341626.2	1255.6	38.050	22.670	30.8	44.292	16.7	3.525	0.036	0.046	51.7	0.058	9.4	-0.838	-0.400	25.5	0.929
1105521.8	15341625.0	1253.6	37.774	22.500	30.8	43.967	16.7	3.499	0.035	0.045	52.4	0.057	7.5	-0.839	-0.401	25.5	0.930

1105526.6	15341623.9	1251.9	37.679	22.442	30.8	43.855	16.7	3.490	0.034	0.045	52.3	0.056	7.0	-0.838	-0.399	25.5	0.928
1105531.5	15341622.7	1250.6	37.942	22.604	30.8	44.165	16.7	3.515	0.037	0.046	51.1	0.059	8.8	-0.833	-0.392	25.2	0.921
1105536.4	15341621.6	1249.3	38.120	22.713	30.8	44.373	16.8	3.531	0.039	0.046	50.1	0.060	9.9	-0.830	-0.385	24.9	0.915
1105541.2	15341620.4	1247.1	37.707	22.460	30.8	43.890	16.7	3.493	0.036	0.045	51.1	0.057	7.7	-0.832	-0.388	25.0	0.918
1105546.1	15341619.3	1244.5	36.963	22.004	30.8	43.017	16.5	3.423	0.032	0.042	53.0	0.053	3.6	-0.838	-0.395	25.2	0.927
1105551.0	15341618.1	1242.3	36.543	21.747	30.8	42.525	16.4	3.384	0.030	0.041	53.6	0.051	4.6	-0.841	-0.397	25.3	0.930
1105555.8	15341617.0	1241.1	36.784	21.894	30.8	42.807	16.5	3.406	0.032	0.041	52.6	0.052	3.8	-0.836	-0.389	24.9	0.922
1105560.7	15341615.8	1239.3	36.632	21.801	30.8	42.628	16.5	3.392	0.031	0.041	52.4	0.052	4.1	-0.836	-0.386	24.8	0.921
1105565.6	15341614.6	1237.0	36.127	21.492	30.7	42.036	16.4	3.345	0.030	0.039	52.9	0.049	6.8	-0.839	-0.389	24.8	0.925
1105570.4	15341613.5	1235.1	35.927	21.370	30.7	41.802	16.3	3.327	0.029	0.038	52.6	0.048	8.1	-0.840	-0.387	24.7	0.924
1105575.3	15341612.3	1233.0	35.544	21.136	30.7	41.353	16.2	3.291	0.029	0.037	52.3	0.047	11.5	-0.842	-0.387	24.7	0.927
1105580.2	15341611.2	1231.0	35.214	20.934	30.7	40.967	16.2	3.260	0.028	0.036	51.6	0.046	14.5	-0.844	-0.387	24.6	0.929
1105585.0	15341610.0	1229.4	35.165	20.904	30.7	40.909	16.2	3.255	0.029	0.035	51.1	0.045	14.1	-0.843	-0.383	24.4	0.926
1105589.9	15341608.9	1227.6	34.994	20.800	30.7	40.709	16.1	3.239	0.029	0.035	50.4	0.045	15.1	-0.844	-0.381	24.3	0.926
1105594.7	15341607.7	1226.4	35.170	20.907	30.7	40.915	16.2	3.256	0.029	0.035	50.1	0.045	12.0	-0.841	-0.375	24.0	0.921
1105599.6	15341606.5	1225.1	35.339	21.011	30.7	41.113	16.2	3.272	0.030	0.035	49.6	0.046	9.2	-0.838	-0.369	23.8	0.916
1105604.5	15341605.4	1223.3	35.163	20.904	30.7	40.907	16.2	3.255	0.030	0.035	49.0	0.046	10.0	-0.840	-0.370	23.7	0.918
1105609.3	15341604.2	1221.4	34.847	20.711	30.7	40.537	16.1	3.226	0.030	0.034	48.5	0.045	12.4	-0.844	-0.372	23.8	0.923
1105614.2	15341603.1	1219.4	34.564	20.538	30.7	40.205	16.1	3.199	0.030	0.033	47.8	0.045	14.4	-0.848	-0.375	23.9	0.928
1105619.1	15341601.9	1218.5	34.902	20.744	30.7	40.601	16.1	3.231	0.031	0.034	47.6	0.046	9.7	-0.845	-0.370	23.7	0.923
1105623.9	15341600.8	1217.1	34.948	20.773	30.7	40.656	16.1	3.235	0.032	0.035	47.2	0.047	8.4	-0.845	-0.370	23.7	0.923
1105628.8	15341599.6	1215.0	34.577	20.546	30.7	40.221	16.1	3.201	0.032	0.034	46.9	0.046	11.0	-0.852	-0.377	23.9	0.931
1105633.7	15341598.5	1213.4	34.479	20.486	30.7	40.106	16.1	3.192	0.032	0.034	46.6	0.047	11.0	-0.855	-0.380	24.0	0.936
1105638.5	15341597.3	1212.0	34.496	20.497	30.7	40.126	16.1	3.193	0.033	0.034	46.4	0.047	10.0	-0.856	-0.383	24.1	0.938
1105643.4	15341596.1	1210.6	34.530	20.517	30.7	40.165	16.1	3.196	0.033	0.035	46.3	0.048	8.8	-0.858	-0.386	24.2	0.940
1105648.3	15341595.0	1209.4	34.649	20.591	30.7	40.306	16.1	3.207	0.035	0.036	46.0	0.050	7.0	-0.858	-0.387	24.3	0.942
1105653.1	15341593.8	1207.8	34.584	20.551	30.7	40.229	16.1	3.201	0.035	0.036	45.9	0.051	6.8	-0.861	-0.392	24.5	0.946
1105658.0	15341592.7	1206.8	34.813	20.691	30.7	40.497	16.1	3.223	0.037	0.038	45.5	0.053	4.5	-0.860	-0.393	24.6	0.946
1105662.9	15341591.5	1205.5	34.908	20.749	30.7	40.609	16.2	3.232	0.038	0.039	45.2	0.054	3.4	-0.861	-0.396	24.7	0.948
1105667.7	15341590.4	1204.1	34.928	20.761	30.7	40.632	16.2	3.233	0.039	0.039	45.0	0.056	3.0	-0.863	-0.401	24.9	0.951
1105672.6	15341589.2	1201.8	34.364	20.417	30.7	39.971	16.0	3.181	0.037	0.038	45.6	0.053	5.8	-0.873	-0.414	25.4	0.966
1105677.4	15341588.1	1199.8	33.933	20.154	30.7	39.467	16.0	3.141	0.036	0.037	45.8	0.052	8.4	-0.881	-0.425	25.8	0.979
1105682.3	15341586.9	1197.5	33.386	19.821	30.7	38.827	15.8	3.090	0.035	0.036	45.7	0.051	12.1	-0.892	-0.439	26.2	0.994
1105687.2	15341585.7	1195.6	33.093	19.642	30.7	38.483	15.8	3.062	0.035	0.036	45.6	0.050	13.8	-0.898	-0.448	26.5	1.004
1105692.0	15341584.6	1194.7	33.373	19.813	30.7	38.812	15.8	3.089	0.036	0.037	45.7	0.052	10.5	-0.896	-0.447	26.5	1.001
1105696.9	15341583.4	1194.6	34.124	20.271	30.7	39.691	16.0	3.158	0.040	0.040	45.1	0.057	5.0	-0.885	-0.438	26.3	0.988
1105701.8	15341582.3	1191.9	33.332	19.788	30.7	38.764	15.8	3.085	0.037	0.038	45.6	0.053	9.3	-0.900	-0.454	26.8	1.008
1105706.6	15341581.1	1189.5	32.694	19.400	30.7	38.017	15.7	3.025	0.036	0.037	45.4	0.052	13.5	-0.912	-0.468	27.2	1.025
1105711.5	15341580.0	1187.3	32.156	19.072	30.7	37.387	15.6	2.975	0.036	0.036	44.8	0.051	17.0	-0.923	-0.480	27.5	1.040
1105716.4	15341578.8	1185.2	31.729	18.812	30.7	36.887	15.5	2.935	0.036	0.035	44.1	0.051	19.5	-0.932	-0.490	27.7	1.053
1105721.2	15341577.6	1184.0	31.812	18.863	30.7	36.984	15.5	2.943	0.037	0.036	44.4	0.051	17.7	-0.933	-0.490	27.7	1.053
1105726.1	15341576.5	1182.3	31.579	18.721	30.7	36.711	15.5	2.921	0.037	0.036	44.0	0.051	18.5	-0.939	-0.495	27.8	1.061
1105731.0	15341575.3	1180.5	31.333	18.572	30.7	36.424	15.4	2.899	0.037	0.035	43.5	0.051	19.3	-0.945	-0.500	27.9	1.069
1105735.8	15341574.2	1178.9	31.197	18.489	30.7	36.264	15.4	2.886	0.037	0.035	43.3	0.051	19.2	-0.949	-0.503	27.9	1.074
1105740.7	15341573.0	1177.2	30.927	18.326	30.6	35.949	15.3	2.861	0.038	0.035	42.7	0.052	20.1	-0.956	-0.509	28.0	1.083
1105745.5	15341571.9	1175.2	30.583	18.117	30.6	35.547	15.2	2.829	0.039	0.035	41.9	0.052	21.4	-0.964	-0.515	28.1	1.093
1105750.4	15341570.7	1174.2	30.722	18.201	30.6	35.708	15.3	2.842	0.039	0.035	42.3	0.052	19.4	-0.962	-0.512	28.0	1.090
1105755.3	15341569.6	1173.0	30.777	18.234	30.6	35.773	15.3	2.847	0.039	0.035	42.5	0.053	17.9	-0.961	-0.511	28.0	1.088
1105760.1	15341568.4	1171.5	30.657	18.162	30.6	35.632	15.3	2.836	0.039	0.036	42.2	0.053	17.8	-0.963	-0.512	28.0	1.091
1105765.0	15341567.2	1170.1	30.565	18.106	30.6	35.525	15.2	2.827	0.039	0.036	42.1	0.053	17.5	-0.964	-0.512	28.0	1.092
1105769.9	15341566.1	1168.7	30.483	18.056	30.6	35.429	15.2	2.819	0.040	0.036	41.9	0.053	17.1	-0.965	-0.512	28.0	1.092
1105774.7	15341564.9	1167.6	30.554	18.100	30.6	35.513	15.2	2.826	0.040	0.036	42.0	0.054	15.7	-0.960	-0.509	27.9	1.087
1105779.6	15341563.8	1165.7	30.242	17.910	30.6	35.148	15.2	2.797	0.040	0.036	41.5	0.054	17.1	-0.964	-0.512	28.0	1.091
1105784.5	15341562.6	1164.0	29.973	17.747	30.6	34.833	15.1	2.772	0.040	0.035	41.0	0.054	18.0	-0.965	-0.514	28.0	1.093
1105789.3	15341561.5	1162.7	29.952	17.734	30.6	34.809	15.1	2.770	0.041	0.035	41.0	0.054	17.4	-0.960	-0.510	28.0	1.087
1105794.2	15341560.3	1161.3	29.821	17.655	30.6	34.655	15.1	2.758	0.041	0.035	40.8	0.054	17.5	-0.956	-0.508	28.0	1.083
1105799.1	15341559.2	1158.9	29.218	17.290	30.6	33.950	14.9	2.702	0.041	0.034	39.6	0.053	20.3	-0.963	-0.514	28.1	1.091
1105803.9	15341558.0	1155.4	28.097	16.612	30.6	32.641	14.7	2.597	0.045	0.033	36.3	0.056	23.9	-0.981	-0.529	28.4	1.114
1105808.8	15341556.8	1153.0	27.554	16.284	30.6	32.006	14.5	2.547	0.048	0.033	34.7	0.058	24.1	-0.984	-0.533	28.4	1.119
1105813.7	15341555.7	1151.4	27.344	16.157	30.6	31.760	14.5	2.527	0.048	0.033	34.2	0.059	23.9	-0.978	-0.529	28.4	1.112
1105818.5	15341554.5	1151.3	27.862	16.470	30.6	32.366	14.6	2.576	0.044	0.032	36.2	0.055	23.3	-0.952	-0.511	28.2	1.080
1105823.4	15341553.4	1149.7	27.659	16.347	30.6	32.128	14.6	2.557	0.045	0.032	35.7	0.055	23.4	-0.943	-0.506	28.2	1.070
1105828.2	15341552.2	1148.2	27.525	16.266	30.6	31.972	14.5	2.544	0.044	0.032	35.4	0.055	23.3	-0.932	-0.499	28.2	1.057
1105833.1	15341551.1	1146.8	27.391	16.186	30.6	31.816	14.5	2.532	0.044	0.031	35.1	0.054	23.2	-0.920	-0.492	28.1	1.043
1105838.0	15341549.9	1145.7	27.440	16.215	30.6	31.872	14.5	2.536	0.043	0.031	35.4	0.053	23.0	-0.903	-0.481	28.0	1.023
1105842.8	15341548.7	1145.2	27.740	16.396	30.6	32.223	14.6	2.564	0.041	0.030	36.6	0.051	22.4	-0.880	-0.465	27.9	0.995
1105847.7	15341547.6	1145.0	28.167	16.654	30.6	32.722	14.7	2.604	0.038	0.030	38.2	0.049	20.9	-0.854	-0.447	27.6	0.964
1105852.6	15341546.4	1144.6	28.513	16.863	30.6	33.126	14.8	2.636	0.036	0.030	39.4	0.047	19.2	-0.830	-0.431	27.4	0.936
1105857.4	15341545.3	1144.0	28.822	17.050	30.6	33.487	14.8	2.665	0.035	0.030	40.3	0.046	17.4	-0.808	-0.416	27.2	0.908
1105862.3	15341544.1	1143.4	29.046	17.186	30.6	33.749	14.9	2.686	0.034	0.029	41.0	0.045	16.0	-0.787	-0.402	27.0	0.883
1105867.2	15341543.0	1142.6	29.199	17.279	30.6	33.929	14.9	2.700	0.033	0.029	41.4	0.044	15.2	-0.767	-0.388	26.9	0.860
1105872.0	15341541.8	1140.7	28.829	17.054	30.6	33.495	14.9	2.665	0.032	0.028	40.7	0.043	18.2	-0.755	-0.382	26.9	0.847
1105876.9	15341540.7	1138.3	28.207	16.678	30.6	32.769	14.7	2.608	0.034	0.027	38.3	0.043	22.0	-0.747	-0.380	26.9	0.838
1105881.8	15341539.5	1135.6	27.428	16.207	30.6	31.858	14.5	2.535	0.039	0.027	34.6	0.047	23.0	-0.741	-0.379	27.1	0.833

1105886.6	15341538.3	1134.3	27.344	16.157	30.6	31.760	14.5	2.527	0.040	0.027	33.8	0.048	22.9	-0.724	-0.369	27.0	0.813
1105891.5	15341537.2	1133.6	27.504	16.253	30.6	31.947	14.5	2.542	0.039	0.026	33.9	0.047	23.2	-0.703	-0.357	26.9	0.789
1105896.3	15341536.0	1133.0	27.721	16.385	30.6	32.201	14.6	2.562	0.038	0.026	34.2	0.045	23.9	-0.683	-0.344	26.7	0.765
1105901.2	15341534.9	1132.4	27.942	16.518	30.6	32.459	14.6	2.583	0.036	0.025	34.4	0.044	24.7	-0.664	-0.332	26.6	0.743
1105906.1	15341533.7	1131.3	27.948	16.522	30.6	32.466	14.6	2.584	0.038	0.025	33.6	0.045	24.8	-0.649	-0.324	26.5	0.725
1105910.9	15341532.6	1130.9	28.228	16.691	30.6	32.793	14.7	2.610	0.037	0.025	34.0	0.044	26.1	-0.632	-0.314	26.4	0.705
1105915.8	15341531.4	1132.9	29.753	17.614	30.6	34.576	15.1	2.751	0.024	0.022	42.8	0.032	30.3	-0.605	-0.290	25.6	0.671
1105920.7	15341530.3	1134.6	31.243	18.518	30.7	36.318	15.4	2.890	0.018	0.023	52.1	0.029	16.9	-0.583	-0.269	24.8	0.643
1105925.5	15341529.1	1135.5	32.347	19.189	30.7	37.611	15.7	2.993	0.019	0.025	52.5	0.031	12.0	-0.568	-0.254	24.1	0.622
1105930.4	15341527.9	1136.0	33.305	19.772	30.7	38.732	15.9	3.082	0.023	0.027	50.2	0.036	16.2	-0.555	-0.241	23.5	0.605
1105935.3	15341526.8	1136.3	34.112	20.264	30.7	39.677	16.0	3.157	0.026	0.029	48.3	0.039	19.5	-0.546	-0.231	22.9	0.593
1105940.1	15341525.6	1136.4	34.867	20.725	30.7	40.561	16.2	3.228	0.030	0.032	46.9	0.043	21.8	-0.539	-0.222	22.4	0.583
1105945.0	15341524.5	1136.5	35.602	21.174	30.7	41.423	16.4	3.296	0.033	0.034	45.8	0.047	23.3	-0.534	-0.215	21.9	0.575
1105949.9	15341523.3	1136.6	36.320	21.613	30.8	42.265	16.5	3.363	0.036	0.036	45.0	0.051	24.4	-0.530	-0.208	21.4	0.569
1105954.7	15341522.2	1136.5	36.981	22.018	30.8	43.040	16.7	3.425	0.038	0.038	44.6	0.054	25.3	-0.528	-0.203	21.0	0.566
1105959.6	15341521.0	1136.3	37.565	22.376	30.8	43.724	16.8	3.479	0.040	0.039	44.6	0.056	26.1	-0.528	-0.198	20.6	0.564
1105964.5	15341519.8	1135.8	37.909	22.587	30.8	44.127	16.9	3.512	0.039	0.040	45.6	0.056	26.9	-0.530	-0.198	20.5	0.565
1105969.3	15341518.7	1135.2	38.231	22.785	30.8	44.506	16.9	3.542	0.038	0.041	46.9	0.056	27.5	-0.532	-0.198	20.4	0.568
1105974.2	15341517.5	1134.5	38.378	22.875	30.8	44.678	16.9	3.555	0.035	0.040	49.2	0.053	27.8	-0.536	-0.201	20.5	0.573
1105979.0	15341516.4	1133.5	38.379	22.876	30.8	44.679	16.9	3.555	0.030	0.040	52.7	0.050	26.8	-0.542	-0.206	20.9	0.580
1105983.9	15341515.2	1131.6	37.649	22.428	30.8	43.823	16.8	3.487	0.019	0.037	62.7	0.042	15.4	-0.552	-0.223	22.0	0.595
1105988.8	15341514.1	1129.6	36.908	21.973	30.8	42.953	16.6	3.418	0.015	0.036	67.9	0.039	11.2	-0.562	-0.241	23.2	0.612
1105993.6	15341512.9	1128.7	36.952	22.000	30.8	43.005	16.6	3.422	0.016	0.037	66.0	0.040	21.3	-0.568	-0.249	23.7	0.620
1105998.5	15341511.8	1128.8	37.688	22.451	30.8	43.869	16.8	3.491	0.015	0.038	68.5	0.041	15.6	-0.569	-0.248	23.5	0.621
1106003.4	15341510.6	1128.9	38.433	22.909	30.8	44.743	16.9	3.561	0.014	0.040	70.6	0.043	10.3	-0.570	-0.246	23.4	0.621
1106008.2	15341509.4	1129.8	39.885	23.801	30.8	46.447	17.2	3.696	0.016	0.043	69.9	0.046	9.2	-0.568	-0.235	22.4	0.615
1106013.1	15341508.3	1130.1	40.885	24.417	30.8	47.621	17.5	3.790	0.019	0.046	67.9	0.050	16.6	-0.568	-0.231	22.1	0.613
1106018.0	15341507.1	1130.3	41.787	24.974	30.9	48.681	17.6	3.874	0.021	0.049	66.5	0.053	21.3	-0.569	-0.229	21.9	0.614
1106022.8	15341506.0	1130.0	42.357	25.326	30.9	49.351	17.7	3.927	0.020	0.050	68.0	0.054	20.9	-0.572	-0.234	22.2	0.618
1106027.7	15341504.8	1130.3	43.405	25.974	30.9	50.583	18.0	4.025	0.024	0.054	65.8	0.059	26.4	-0.573	-0.231	22.0	0.618
1106032.6	15341503.7	1130.1	44.046	26.372	30.9	51.337	18.1	4.085	0.024	0.056	67.1	0.061	26.2	-0.575	-0.237	22.4	0.622
1106037.4	15341502.5	1129.6	44.353	26.562	30.9	51.698	18.1	4.114	0.019	0.057	71.3	0.061	21.1	-0.579	-0.249	23.3	0.630
1106042.3	15341501.4	1129.3	44.938	26.925	30.9	52.387	18.2	4.169	0.018	0.060	73.4	0.063	19.2	-0.582	-0.258	23.9	0.636
1106047.1	15341500.2	1129.5	45.978	27.570	30.9	53.611	18.4	4.266	0.021	0.064	71.9	0.067	23.3	-0.583	-0.260	24.0	0.638
1106052.0	15341499.0	1129.6	46.957	28.180	31.0	54.764	18.6	4.358	0.023	0.067	71.2	0.071	25.8	-0.586	-0.264	24.2	0.642
1106056.9	15341497.9	1129.7	47.960	28.804	31.0	55.945	18.8	4.452	0.025	0.071	70.5	0.075	28.1	-0.588	-0.268	24.5	0.646
1106061.7	15341496.7	1130.0	49.142	29.542	31.0	57.338	19.1	4.563	0.029	0.075	68.8	0.081	31.8	-0.590	-0.269	24.5	0.649
1106066.6	15341495.6	1130.4	50.500	30.391	31.0	58.939	19.3	4.690	0.035	0.080	66.3	0.088	36.4	-0.593	-0.267	24.3	0.650
1106071.5	15341494.4	1130.4	51.522	31.032	31.1	60.146	19.5	4.786	0.037	0.084	66.2	0.092	37.4	-0.596	-0.272	24.5	0.655
1106076.3	15341493.3	1130.3	52.303	31.522	31.1	61.068	19.6	4.860	0.036	0.088	67.7	0.095	36.0	-0.599	-0.282	25.2	0.662
1106081.2	15341492.1	1130.4	53.513	32.282	31.1	62.496	19.9	4.973	0.040	0.092	66.8	0.101	38.1	-0.601	-0.283	25.2	0.665
1106086.1	15341490.9	1130.6	54.805	33.096	31.1	64.023	20.1	5.095	0.044	0.097	65.7	0.107	40.6	-0.604	-0.283	25.1	0.667
1106090.9	15341489.8	1130.7	55.990	33.844	31.2	65.424	20.3	5.206	0.047	0.102	65.3	0.112	41.9	-0.607	-0.284	25.0	0.670
1106095.8	15341488.6	1130.7	56.965	34.461	31.2	66.578	20.5	5.298	0.047	0.106	65.9	0.116	41.5	-0.609	-0.288	25.3	0.674
1106100.7	15341487.5	1130.5	57.792	34.984	31.2	67.556	20.6	5.376	0.046	0.109	67.3	0.119	39.8	-0.610	-0.296	25.9	0.678
1106105.5	15341486.3	1130.5	58.857	35.660	31.2	68.817	20.8	5.476	0.047	0.113	67.6	0.123	39.8	-0.611	-0.297	25.9	0.680
1106110.4	15341485.2	1130.7	60.270	36.557	31.2	70.491	21.1	5.609	0.052	0.118	66.4	0.129	42.2	-0.613	-0.290	25.3	0.678
1106115.3	15341484.0	1130.5	61.176	37.134	31.3	71.564	21.2	5.695	0.050	0.122	67.5	0.132	40.8	-0.612	-0.292	25.5	0.679
1106120.1	15341482.9	1130.6	62.467	37.957	31.3	73.095	21.4	5.817	0.054	0.126	66.9	0.137	42.1	-0.612	-0.285	25.0	0.675
1106125.0	15341481.7	1131.3	64.767	39.429	31.3	75.825	21.8	6.034	0.068	0.133	63.0	0.149	49.7	-0.615	-0.253	22.4	0.665
1106129.8	15341480.5	1130.9	65.478	39.884	31.3	76.669	21.9	6.101	0.064	0.135	64.6	0.150	47.0	-0.613	-0.257	22.7	0.664
1106134.7	15341479.4	1131.0	66.842	40.760	31.4	78.290	22.2	6.230	0.067	0.139	64.2	0.155	48.2	-0.612	-0.244	21.8	0.659
1106139.6	15341478.2	1130.8	67.680	41.299	31.4	79.285	22.3	6.309	0.065	0.142	65.4	0.156	45.8	-0.609	-0.243	21.7	0.656
1106144.4	15341477.1	1130.4	68.350	41.730	31.4	80.082	22.4	6.373	0.061	0.144	67.1	0.156	41.9	-0.605	-0.244	22.0	0.652
1106149.3	15341475.9	1130.5	69.809	42.672	31.4	81.818	22.7	6.511	0.065	0.148	66.4	0.162	43.4	-0.604	-0.227	20.6	0.645
1106154.2	15341474.8	1130.7	71.540	43.792	31.5	83.879	23.0	6.675	0.072	0.153	64.9	0.169	46.4	-0.605	-0.204	18.6	0.638
1106159.0	15341473.6	1130.9	73.229	44.888	31.5	85.892	23.2	6.835	0.078	0.158	63.8	0.176	48.8	-0.605	-0.181	16.6	0.632
1106163.9	15341472.5	1130.7	74.325	45.600	31.5	87.198	23.4	6.939	0.077	0.161	64.3	0.179	47.1	-0.604	-0.172	15.9	0.628
1106168.8	15341471.3	1130.6	75.474	46.349	31.6	88.569	23.6	7.048	0.078	0.165	64.7	0.182	45.5	-0.603	-0.162	15.1	0.624
1106173.6	15341470.1	1130.6	76.820	47.228	31.6	90.177	23.8	7.176	0.080	0.169	64.7	0.187	45.0	-0.604	-0.149	13.9	0.622
1106178.5	15341469.0	1130.6	78.380	48.249	31.6	92.041	24.1	7.324	0.084	0.174	64.3	0.193	45.6	-0.607	-0.132	12.3	0.621
1106183.4	15341467.8	1130.7	79.972	49.293	31.6	93.943	24.3	7.476	0.088	0.179	63.9	0.199	46.0	-0.612	-0.115	10.7	0.622
1106188.2	15341466.7	1130.7	81.595	50.361	31.7	95.885	24.6	7.630	0.092	0.185	63.6	0.206	46.4	-0.618	-0.099	9.1	0.626
1106193.1	15341465.5	1130.8	83.249	51.453	31.7	97.866	24.8	7.788	0.096	0.191	63.3	0.213	46.8	-0.625	-0.084	7.7	0.631
1106197.9	15341464.4	1130.6	84.324	52.163	31.7	99.154	25.0	7.890	0.094	0.196	64.2	0.217	43.6	-0.630	-0.084	7.6	0.635
1106202.8	15341463.2	1130.4	85.486	52.933	31.8	100.547	25.2	8.001	0.094	0.201	65.0	0.222	40.7	-0.636	-0.084	7.6	0.642
1106207.7	15341462.0	1130.4	87.124	54.021	31.8	102.512	25.4	8.158	0.097	0.208	65.0	0.229	40.5	-0.647	-0.075	6.6	0.651
1106212.5	15341460.9	1130.5	89.075	55.321	31.8	104.856	25.7	8.344	0.103	0.216	64.5	0.239	41.7	-0.661	-0.060	5.2	0.664
1106217.4	15341459.7	1130.7	91.071	56.655	31.9	107.256	26.0	8.535	0.109	0.224	64.1	0.249	42.9	-0.676	-0.046	3.9	0.678
1106222.3	15341458.6	1130.8	93.113	58.024	31.9	109.713	26.3	8.731	0.115	0.233	63.7	0.260	44.0	-0.693	-0.033	2.7	0.694
1106227.1	15341457.4	1130.8	94.822	59.174	32.0	111.771	26.6	8.894	0.119	0.241	63.8	0.269	43.3	-0.707	-0.029	2.4	0.708
1106232.0	15341456.3	1130.7	96.286	60.161	32.0	113.536	26.8	9.035	0.120	0.249	64.4	0.276	41.4	-0.720	-0.034	2.7	0.720
1106236.9	15341455.1	1130.6	97.678	61.102	32.0	115.215	27.0	9.169	0.120	0.257	65.0	0.284	39.2	-0.732	-0.042	3.3	0.733
1106241.7	15341454.0	1130.5	99.160	62.107	32.1	117.004	27.3	9.311	0.121	0.266	65.5	0.292	37.3	-0.745	-0.049	3.8	0.746

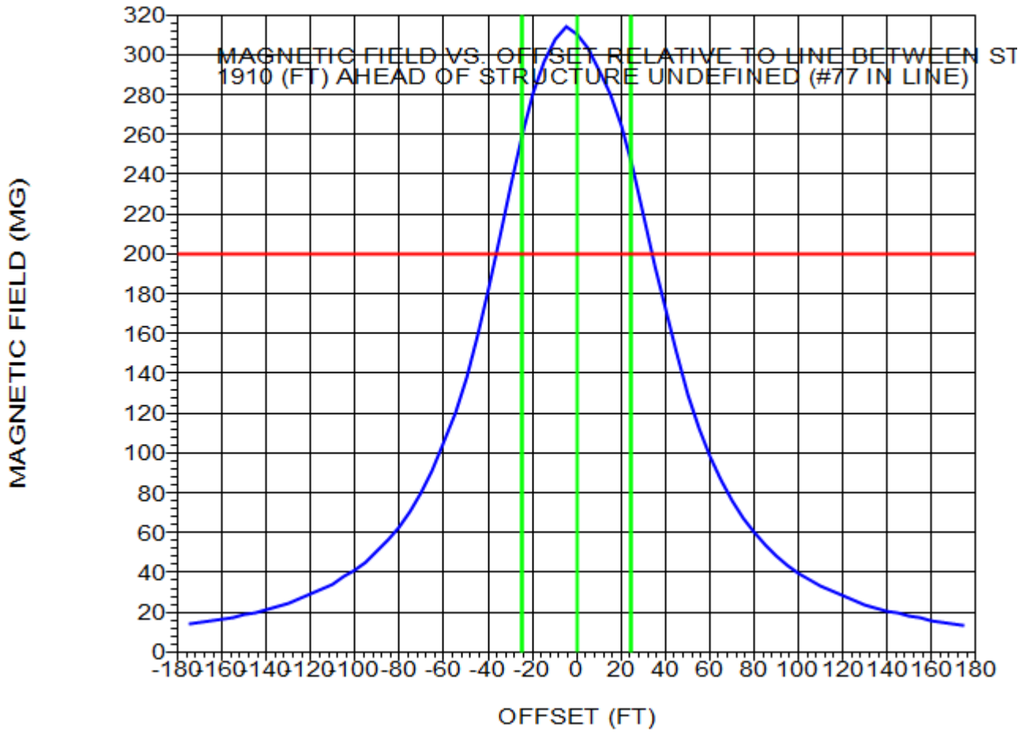
1106246.6	15341452.8	1130.5	101.088	63.418	32.1	119.334	27.5	9.496	0.126	0.276	65.5	0.303	37.2	-0.762	-0.047	3.6	0.763		
1106251.5	15341451.6	1130.6	103.181	64.846	32.1	121.866	27.9	9.698	0.132	0.286	65.3	0.315	37.6	-0.781	-0.043	3.1	0.782		
1106256.3	15341450.5	1130.7	105.380	66.352	32.2	124.529	28.2	9.910	0.138	0.298	65.0	0.328	38.2	-0.801	-0.036	2.6	0.802		
1106261.2	15341449.3	1130.8	107.622	67.893	32.2	127.248	28.5	10.126	0.145	0.309	64.8	0.342	38.8	-0.823	-0.030	2.1	0.823		
1106266.1	15341448.2	1130.9	109.909	69.472	32.3	130.024	28.8	10.347	0.152	0.321	64.6	0.356	39.4	-0.845	-0.024	1.6	0.846		
1106270.9	15341447.0	1131.0	112.241	71.088	32.3	132.859	29.2	10.573	0.160	0.334	64.4	0.370	39.9	-0.869	-0.017	1.1	0.869		
1106275.8	15341445.9	1131.1	114.494	72.655	32.4	135.601	29.5	10.791	0.166	0.346	64.4	0.384	40.1	-0.893	-0.013	0.8	0.893		
1106280.6	15341444.7	1131.1	116.565	74.101	32.4	138.124	29.8	10.992	0.171	0.358	64.5	0.397	39.6	-0.916	-0.014	0.9	0.916		
1106285.5	15341443.6	1131.1	118.662	75.571	32.5	140.683	30.1	11.195	0.175	0.370	64.7	0.410	39.2	-0.939	-0.014	0.9	0.939		
1106290.4	15341442.4	1131.1	120.940	77.174	32.5	143.466	30.4	11.417	0.181	0.383	64.7	0.424	39.2	-0.965	-0.010	0.6	0.965		
1106295.2	15341441.2	1131.2	123.365	78.888	32.6	146.432	30.8	11.653	0.189	0.396	64.5	0.439	39.6	-0.991	-0.000	0.0	0.991		
1106300.1	15341440.1	1131.1	125.079	80.103	32.6	148.531	31.0	11.820	0.190	0.407	65.0	0.449	38.1	-1.010	-0.010	0.6	1.010		
1106305.0	15341438.9	1131.0	126.869	81.377	32.7	150.725	31.3	11.994	0.192	0.419	65.3	0.461	36.8	-1.028	-0.018	1.0	1.028		
1106309.8	15341437.8	1131.0	128.666	82.658	32.7	152.929	31.5	12.170	0.195	0.430	65.6	0.472	35.6	-1.045	-0.025	1.4	1.045		
1106314.7	15341436.6	1130.9	130.589	84.036	32.8	155.292	31.8	12.358	0.199	0.442	65.8	0.485	34.8	-1.061	-0.029	1.6	1.062		
1106319.6	15341435.5	1130.9	132.765	85.599	32.8	157.968	32.1	12.571	0.205	0.455	65.7	0.499	34.6	-1.078	-0.026	1.4	1.078		
1106324.4	15341434.3	1130.9	134.819	87.081	32.9	160.497	32.4	12.772	0.211	0.468	65.7	0.513	34.2	-1.091	-0.026	1.3	1.092		
1106329.3	15341433.1	1130.9	137.202	88.807	32.9	163.435	32.7	13.006	0.220	0.482	65.5	0.530	34.5	-1.106	-0.016	0.8	1.106		
1106334.2	15341432.0	1130.9	139.622	90.568	33.0	166.424	33.1	13.244	0.229	0.496	65.2	0.547	34.9	-1.120	-0.005	0.3	1.120		
1106339.0	15341430.8	1131.0	142.068	92.355	33.0	169.448	33.4	13.484	0.239	0.511	64.9	0.564	35.3	-1.132	0.007	-0.4	1.132		
1106343.9	15341429.7	1131.0	144.538	94.168	33.1	172.507	33.8	13.728	0.249	0.525	64.6	0.581	35.7	-1.143	0.020	-1.0	1.143		
1106348.7	15341428.5	1131.0	147.032	96.007	33.1	175.601	34.1	13.974	0.260	0.540	64.3	0.599	36.2	-1.153	0.035	-1.8	1.153		
1106353.6	15341427.4	1131.1	149.444	97.794	33.2	178.598	34.5	14.212	0.270	0.554	64.1	0.617	36.5	-1.161	0.049	-2.4	1.162		
1106358.5	15341426.2	1131.0	151.578	99.381	33.3	181.252	34.8	14.424	0.278	0.568	63.9	0.632	36.3	-1.165	0.056	-2.7	1.166		
1106363.3	15341425.1	1130.9	153.413	100.750	33.3	183.538	35.0	14.605	0.283	0.580	64.0	0.646	35.5	-1.164	0.055	-2.7	1.165		
1106368.2	15341423.9	1130.8	155.102	102.014	33.3	185.643	35.2	14.773	0.288	0.592	64.0	0.659	34.5	-1.160	0.050	-2.5	1.161		
1106373.1	15341422.7	1130.7	156.776	103.272	33.4	187.733	35.5	14.939	0.294	0.604	64.1	0.672	33.5	-1.154	0.046	-2.3	1.155		
1106377.9	15341421.6	1130.6	158.435	104.521	33.4	189.806	35.7	15.104	0.299	0.616	64.1	0.685	32.5	-1.146	0.041	-2.1	1.147		
1106382.8	15341420.4	1130.5	160.134	105.805	33.5	191.931	35.9	15.273	0.305	0.628	64.1	0.699	31.6	-1.137	0.038	-1.9	1.138		
1106387.7	15341419.3	1130.5	162.372	107.502	33.5	194.734	36.2	15.496	0.315	0.642	63.8	0.716	31.5	-1.134	0.051	-2.6	1.135		
1106392.5	15341418.1	1130.5	165.132	109.607	33.6	198.198	36.6	15.772	0.329	0.659	63.4	0.736	32.3	-1.137	0.079	-4.0	1.140		
1106397.4	**15341417.0**	**1130.6**	**167.915**	**111.739**	**33.6**	**201.695**	**37.0**	**16.050**	**0.343**	**0.675**	**63.0**	**0.758**	**33.0**	**-1.140**	**0.107**	**-5.4**	**1.145**	**BF exceeds limit**	**NG**
1106402.3	**15341415.8**	**1130.7**	**170.702**	**113.887**	**33.7**	**205.206**	**37.4**	**16.330**	**0.358**	**0.693**	**62.7**	**0.780**	**33.6**	**-1.144**	**0.135**	**-6.7**	**1.152**	**BF exceeds limit**	**NG**
1106407.1	**15341414.7**	**1130.7**	**173.423**	**115.994**	**33.8**	**208.639**	**37.8**	**16.603**	**0.371**	**0.710**	**62.4**	**0.801**	**34.0**	**-1.147**	**0.161**	**-8.0**	**1.159**	**BF exceeds limit**	**NG**
1106412.0	15341413.5	1130.8	176.156	118.122	33.8	212.094	38.2	16.878	0.384	0.727	62.2	0.823	34.5	-1.152	0.187	-9.2	1.167	BF exceeds limit	NG
1106416.9	15341412.3	1130.8	178.799	120.190	33.9	215.441	38.5	17.144	0.397	0.745	62.0	0.844	34.7	-1.157	0.210	-10.3	1.176	BF exceeds limit	NG
1106421.7	15341411.2	1130.7	180.525	121.545	34.0	217.630	38.8	17.318	0.403	0.759	62.1	0.860	33.7	-1.150	0.204	-10.1	1.168	BF exceeds limit	NG
1106426.6	15341410.0	1130.6	181.747	122.507	34.0	219.180	38.9	17.442	0.406	0.773	62.3	0.873	32.0	-1.137	0.183	-9.1	1.151	BF exceeds limit	NG
1106431.4	15341408.9	1130.5	183.768	124.103	34.0	221.749	39.2	17.646	0.414	0.788	62.3	0.890	31.4	-1.136	0.187	-9.4	1.151	BF exceeds limit	NG
1106436.3	15341407.7	1130.7	187.423	127.009	34.1	226.404	39.7	18.017	0.433	0.809	61.9	0.917	33.0	-1.161	0.246	-12.0	1.187	BF exceeds limit	NG
1106441.2	15341406.6	1130.8	190.174	129.209	34.2	229.915	40.1	18.296	0.446	0.827	61.7	0.939	33.3	-1.174	0.276	-13.2	1.206	BF exceeds limit	NG
1106446.0	15341405.4	1130.8	192.505	131.083	34.3	232.897	40.4	18.533	0.456	0.843	61.6	0.958	33.1	-1.182	0.294	-14.0	1.218	BF exceeds limit	NG
1106450.9	15341404.2	1130.8	194.731	132.879	34.3	235.748	40.7	18.760	0.465	0.859	61.6	0.977	32.8	-1.190	0.308	-14.5	1.229	BF exceeds limit	NG
1106455.8	15341403.1	1130.7	196.692	134.468	34.4	238.263	41.0	18.960	0.473	0.874	61.6	0.994	32.2	-1.195	0.315	-14.8	1.236	BF exceeds limit	NG
1106460.6	15341401.9	1130.7	198.624	136.038	34.4	240.744	41.3	19.158	0.481	0.889	61.6	1.011	31.6	-1.202	0.321	-15.0	1.244	BF exceeds limit	NG
1106465.5	15341400.8	1130.6	200.390	137.479	34.5	243.015	41.5	19.339	0.487	0.904	61.7	1.027	30.8	-1.208	0.321	-14.9	1.250	BF exceeds limit	NG
1106470.4	15341399.6	1130.7	202.955	139.583	34.5	246.321	41.9	19.602	0.499	0.922	61.6	1.048	31.0	-1.231	0.348	-15.8	1.279	BF exceeds limit	NG
1106475.2	15341398.5	1130.7	205.457	141.645	34.6	249.551	42.2	19.859	0.509	0.940	61.6	1.069	31.0	-1.255	0.372	-16.5	1.309	BF exceeds limit	NG
1106480.1	15341397.3	1130.8	207.874	143.647	34.6	252.678	42.5	20.107	0.519	0.958	61.6	1.089	31.0	-1.283	0.392	-17.0	1.342	BF exceeds limit	NG
1106485.0	15341396.2	1130.8	210.270	145.641	34.7	255.782	42.9	20.355	0.527	0.976	61.6	1.109	30.9	-1.315	0.411	-17.4	1.377	BF exceeds limit	NG
1106489.8	15341395.0	1130.8	212.641	147.623	34.8	258.860	43.2	20.599	0.535	0.994	61.7	1.129	30.9	-1.350	0.429	-17.6	1.417	BF exceeds limit	NG
1106494.7	15341393.8	1130.8	214.835	149.465	34.8	261.713	43.5	20.826	0.541	1.012	61.9	1.147	30.7	-1.386	0.441	-17.6	1.455	BF exceeds limit	NG
1106499.6	15341392.7	1130.8	216.861	151.174	34.9	264.353	43.8	21.037	0.545	1.029	62.1	1.165	30.3	-1.422	0.447	-17.4	1.491	BF exceeds limit	NG
1106504.4	15341391.5	1130.7	217.736	151.911	34.9	265.492	43.9	21.127	0.542	1.043	62.5	1.175	28.8	-1.440	0.413	-16.0	1.498	BF exceeds limit	NG
1106509.3	15341390.4	1130.7	219.692	153.569	35.0	268.045	44.2	21.330	0.546	1.060	62.7	1.192	28.5	-1.474	0.416	-15.8	1.532	BF exceeds limit	NG
1106514.1	15341389.2	1130.7	221.664	155.248	35.0	270.623	44.4	21.536	0.551	1.077	62.9	1.210	28.2	-1.506	0.420	-15.6	1.563	BF exceeds limit	NG
1106519.0	15341388.1	1130.7	223.598	156.902	35.1	273.156	44.7	21.737	0.558	1.095	63.0	1.229	28.0	-1.531	0.424	-15.5	1.589	BF exceeds limit	NG
1106523.9	15341386.9	1130.7	225.304	158.365	35.1	275.393	45.0	21.915	0.564	1.112	63.1	1.247	27.6	-1.546	0.419	-15.2	1.602	BF exceeds limit	NG
1106528.7	15341385.8	1130.6	226.560	159.444	35.1	277.041	45.1	22.046	0.570	1.127	63.2	1.263	26.8	-1.545	0.400	-14.5	1.596	BF exceeds limit	NG
1106533.6	15341384.6	1130.6	228.003	160.688	35.2	278.937	45.3	22.197	0.579	1.144	63.1	1.282	26.3	-1.538	0.388	-14.2	1.586	BF exceeds limit	NG
1106538.5	15341383.4	1130.8	232.077	164.099	35.3	284.233	45.8	22.619	0.604	1.167	62.7	1.314	28.0	-1.562	0.461	-16.4	1.628	BF exceeds limit	NG
1106543.3	15341382.3	1131.0	235.096	166.735	35.3	288.220	46.2	22.936	0.625	1.188	62.3	1.343	29.0	-1.567	0.511	-18.1	1.648	BF exceeds limit	NG
1106548.2	15341381.1	1131.1	237.496	168.841	35.4	291.396	46.6	23.189	0.643	1.207	62.0	1.367	29.5	-1.556	0.543	-19.2	1.648	BF exceeds limit	NG
1106553.1	15341380.0	1131.3	241.358	172.256	35.5	296.523	47.1	23.597	0.671	1.229	61.4	1.400	31.2	-1.568	0.634	-22.0	1.691	BF exceeds limit	NG
1106557.9	15341378.8	1131.3	242.773	173.510	35.6	298.403	47.3	23.746	0.683	1.242	61.2	1.417	31.0	-1.536	0.643	-22.7	1.665	BF exceeds limit	NG
1106562.8	15341377.7	1131.2	243.310	173.982	35.6	299.114	47.4	23.803	0.690	1.250	61.1	1.427	30.3	-1.487	0.625	-22.8	1.613	BF exceeds limit	NG
1106567.7	15341376.5	1131.1	243.775	174.391	35.6	299.731	47.4	23.852	0.696	1.257	61.0	1.437	29.6	-1.436	0.611	-23.1	1.561	BF exceeds limit	NG
1106572.5	15341375.3	1131.0	244.167	174.734	35.6	300.249	47.5	23.893	0.703	1.263	60.9	1.445	29.1	-1.383	0.599	-23.4	1.508	BF exceeds limit	NG
1106577.4	15341374.2	1131.0	245.864	176.246	35.6	302.509	47.7	24.073	0.718	1.273	60.6	1.462	29.7	-1.355	0.640	-25.3	1.499	BF exceeds limit	NG
1106582.2	15341373.0	1131.3	249.375	179.403	35.7	307.203	48.2	24.446	0.745	1.288	60.0	1.488	31.8	-1.363	0.752	-28.9	1.557	BF exceeds limit	NG
1106587.1	15341371.9	1131.4	251.796	181.589	35.8	310.445	48.6	24.704	0.765	1.299	59.5	1.507	33.2	-1.355	0.831	-31.5	1.590	BF exceeds limit	NG
1106592.0	15341370.7	1131.3	251.492	181.304	35.8	310.032	48.5	24.672	0.767	1.298	59.4	1.507	32.8	-1.301	0.818	-32.2	1.537	BF exceeds limit	NG
1106596.8	15341369.6	1131.1	250.431	180.334	35.8	308.604	48.3	24.558	0.764	1.292	59.4	1.501	32.0	-1.237	0.786	-32.4	1.465	BF exceeds limit	NG
1106601.7	15341368.4	1130.8	248.681	178.743	35.7	306.253	48.0	24.371	0.756	1.282	59.5	1.488	30.8	-1.164	0.734	-32.2	1.376	BF exceeds limit	NG

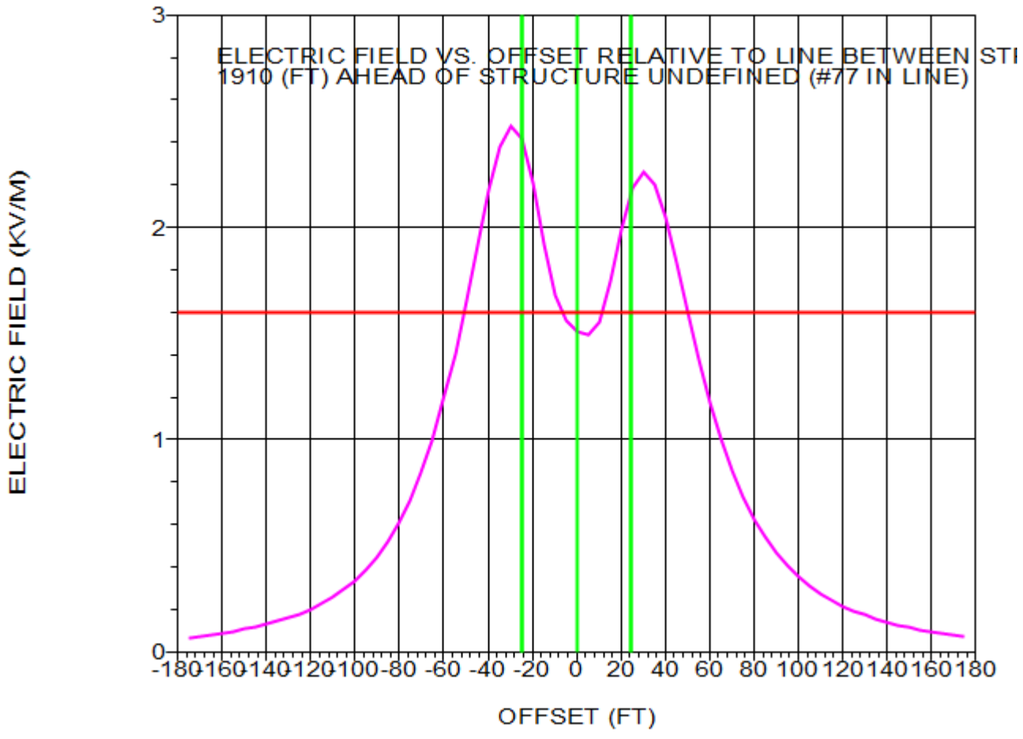
1106606.6	15341367.3	1130.7	248.235	178.333	35.7	305.652	48.0	24.323	0.757	1.276	59.3	1.483	30.8	-1.120	0.736	-33.3	1.341	BF exceeds limit NG
1106611.4	15341366.1	1130.6	248.679	178.726	35.7	306.242	48.0	24.370	0.763	1.272	59.0	1.483	31.5	-1.098	0.775	-35.2	1.344	BF exceeds limit NG
1106616.3	15341364.9	1130.4	247.123	177.316	35.7	304.156	47.8	24.204	0.757	1.261	59.0	1.471	30.9	-1.043	0.745	-35.6	1.281	BF exceeds limit NG
1106621.2	15341363.8	1130.1	243.901	174.418	35.6	299.849	47.3	23.861	0.741	1.244	59.2	1.448	29.0	-0.960	0.658	-34.4	1.163	BF exceeds limit NG
1106626.0	15341362.6	1130.1	244.931	175.330	35.6	301.217	47.4	23.970	0.750	1.241	58.9	1.450	30.5	-0.966	0.727	-37.0	1.209	BF exceeds limit NG
1106630.9	15341361.5	1130.3	247.197	177.356	35.7	304.239	47.7	24.211	0.766	1.243	58.4	1.460	33.0	-1.003	0.843	-40.0	1.310	BF exceeds limit NG
1106635.8	15341360.3	1130.3	247.651	177.757	35.7	304.841	47.8	24.259	0.770	1.237	58.1	1.457	34.2	-1.014	0.896	-41.5	1.353	BF exceeds limit NG
1106640.6	15341359.2	1129.9	244.329	174.769	35.6	300.401	47.3	23.905	0.749	1.216	58.4	1.428	32.6	-0.960	0.820	-40.5	1.263	BF exceeds limit NG
1106645.5	15341358.0	1129.6	240.995	171.791	35.5	295.958	46.8	23.552	0.726	1.195	58.7	1.398	30.9	-0.915	0.747	-39.3	1.181	BF exceeds limit NG
1106650.4	15341356.9	1129.3	238.005	169.137	35.4	291.983	46.3	23.235	0.706	1.174	59.0	1.370	29.6	-0.883	0.689	-37.9	1.120	BF exceeds limit NG
1106655.2	15341355.7	1129.2	237.659	168.825	35.4	291.519	46.3	23.198	0.701	1.162	58.9	1.357	30.5	-0.909	0.724	-38.6	1.162	BF exceeds limit NG
1106660.1	15341354.5	1129.2	237.236	168.444	35.4	290.954	46.2	23.153	0.695	1.151	58.9	1.345	31.4	-0.938	0.755	-38.9	1.204	BF exceeds limit NG
1106664.9	15341353.4	1129.0	235.475	166.888	35.3	288.617	45.9	22.967	0.682	1.136	59.0	1.325	31.2	-0.944	0.737	-38.0	1.198	BF exceeds limit NG
1106669.8	15341352.2	1128.7	232.050	163.887	35.2	284.088	45.4	22.607	0.659	1.116	59.5	1.296	29.6	-0.923	0.657	-35.4	1.133	BF exceeds limit NG
1106674.7	15341351.1	1128.5	229.987	162.086	35.2	281.364	45.1	22.390	0.644	1.103	59.7	1.277	29.2	-0.928	0.620	-33.7	1.116	BF exceeds limit NG
1106679.5	15341349.9	1128.4	228.884	161.125	35.1	279.910	44.9	22.274	0.637	1.094	59.8	1.266	29.8	-0.951	0.613	-32.8	1.132	BF exceeds limit NG
1106684.4	15341348.8	1128.3	228.364	160.669	35.1	279.221	44.8	22.220	0.634	1.088	59.8	1.259	31.0	-0.985	0.623	-32.3	1.165	BF exceeds limit NG
1106689.3	15341347.6	1128.3	227.559	159.968	35.1	278.160	44.7	22.135	0.630	1.081	59.8	1.251	32.0	-1.013	0.623	-31.6	1.189	BF exceeds limit NG
1106694.1	15341346.4	1128.2	226.691	159.214	35.1	277.016	44.5	22.044	0.626	1.073	59.7	1.242	33.1	-1.039	0.624	-31.0	1.212	BF exceeds limit NG
1106699.0	15341345.3	1128.4	227.522	159.923	35.1	278.104	44.7	22.131	0.634	1.069	59.3	1.243	35.8	-1.096	0.688	-32.1	1.294	BF exceeds limit NG
1106703.9	15341344.1	1127.9	222.877	155.928	35.0	272.007	44.0	21.646	0.605	1.044	59.9	1.207	33.6	-1.058	0.572	-28.4	1.202	BF exceeds limit NG
1106708.7	15341343.0	1127.8	220.819	154.168	34.9	269.311	43.7	21.431	0.594	1.026	59.9	1.186	33.9	-1.065	0.553	-27.5	1.200	BF exceeds limit NG
1106713.6	15341341.8	1127.6	218.687	152.353	34.9	266.525	43.3	21.209	0.582	1.006	60.0	1.162	34.2	-1.072	0.541	-26.8	1.201	BF exceeds limit NG
1106718.5	15341340.7	1127.4	215.816	149.923	34.8	262.780	42.9	20.911	0.564	0.982	60.1	1.133	33.8	-1.068	0.512	-25.6	1.184	BF exceeds limit NG
1106723.3	15341339.5	1127.1	212.653	147.263	34.7	258.665	42.4	20.584	0.545	0.956	60.3	1.100	33.1	-1.059	0.479	-24.3	1.162	BF exceeds limit NG
1106728.2	15341338.4	1126.6	207.903	143.304	34.6	252.507	41.8	20.094	0.515	0.925	60.9	1.059	30.6	-1.024	0.397	-21.2	1.098	BF exceeds limit NG
1106733.0	15341337.2	1126.5	206.184	141.878	34.5	250.282	41.5	19.917	0.505	0.904	60.8	1.035	31.4	-1.038	0.417	-21.9	1.118	BF exceeds limit NG
1106737.9	15341336.0	1126.4	204.183	140.225	34.5	247.697	41.2	19.711	0.493	0.883	60.8	1.011	31.8	-1.044	0.426	-22.2	1.128	BF exceeds limit NG
1106742.8	15341334.9	1125.7	198.301	135.412	34.3	240.124	40.4	19.108	0.458	0.852	61.8	0.967	27.4	-0.984	0.304	-17.2	1.030	BF exceeds limit NG
1106747.6	15341333.7	1124.8	190.053	128.761	34.1	229.564	39.2	18.268	0.415	0.819	63.1	0.918	19.2	-0.880	0.098	-6.3	0.885	BF exceeds limit NG
1106752.5	15341332.6	1125.4	193.531	131.547	34.2	234.006	39.7	18.622	0.436	0.818	62.0	0.927	26.5	-0.956	0.273	-15.9	0.994	BF exceeds limit NG
1106757.4	15341331.4	1125.5	193.812	131.770	34.2	234.364	39.7	18.650	0.443	0.812	61.4	0.925	29.4	-0.972	0.335	-19.0	1.028	BF exceeds limit NG
1106762.2	15341330.3	1125.5	192.288	130.542	34.2	232.413	39.5	18.495	0.441	0.801	61.1	0.915	29.8	-0.953	0.334	-19.3	1.009	BF exceeds limit NG
1106767.1	15341329.1	1125.8	193.749	131.714	34.2	234.281	39.6	18.643	0.459	0.800	60.2	0.922	34.0	-0.976	0.425	-23.5	1.064	BF exceeds limit NG
1106772.0	15341328.0	1125.9	193.106	131.194	34.2	233.456	39.5	18.578	0.463	0.792	59.7	0.918	35.6	-0.964	0.449	-25.0	1.064	BF exceeds limit NG
1106776.8	15341326.8	1126.1	193.091	131.180	34.2	233.436	39.5	18.576	0.470	0.786	59.1	0.916	37.9	-0.964	0.493	-27.1	1.082	BF exceeds limit NG
1106781.7	15341325.6	1125.9	190.871	129.397	34.1	230.598	39.2	18.350	0.462	0.772	59.1	0.899	37.4	-0.931	0.470	-26.8	1.043	BF exceeds limit NG
1106786.6	15341324.5	1125.6	187.480	126.690	34.0	226.273	38.7	18.006	0.444	0.753	59.5	0.875	35.3	-0.883	0.414	-25.1	0.975	BF exceeds limit NG
1106791.4	15341323.3	1125.3	183.938	123.882	34.0	221.765	38.2	17.648	0.425	0.735	59.9	0.849	32.8	-0.836	0.354	-22.9	0.908	BF exceeds limit NG
1106796.3	15341322.2	1125.1	180.862	121.459	33.9	217.861	37.8	17.337	0.409	0.717	60.3	0.826	30.8	-0.800	0.310	-21.2	0.858	BF exceeds limit NG
1106801.2	15341321.0	1125.0	178.810	119.852	33.8	215.262	37.5	17.130	0.399	0.704	60.5	0.809	30.3	-0.781	0.299	-20.9	0.837	BF exceeds limit NG
1106806.0	15341319.9	1125.3	179.663	120.520	33.9	216.343	37.6	17.216	0.407	0.698	59.8	0.808	34.1	-0.809	0.378	-25.0	0.893	BF exceeds limit NG
1106810.9	15341318.7	1125.8	181.466	121.936	33.9	218.628	37.8	17.398	0.423	0.696	58.7	0.814	39.4	-0.851	0.484	-29.6	0.978	BF exceeds limit NG
1106815.7	15341317.5	1125.6	178.767	119.822	33.8	215.209	37.4	17.126	0.408	0.679	59.0	0.793	38.1	-0.824	0.455	-28.9	0.941	BF exceeds limit NG
1106820.6	15341316.4	1125.3	174.877	116.793	33.7	210.291	36.9	16.734	0.386	0.660	59.7	0.764	34.8	-0.779	0.392	-26.7	0.872	BF exceeds limit NG
1106825.5	15341315.2	1124.9	170.996	113.796	33.6	205.400	36.3	16.345	0.365	0.640	60.3	0.737	31.3	-0.733	0.330	-24.2	0.804	BF exceeds limit NG
1106830.3	15341314.1	1124.9	169.474	112.628	33.6	203.486	36.1	16.193	0.359	0.628	60.2	0.724	31.7	-0.722	0.339	-25.1	0.798	BF exceeds limit NG
1106835.2	15341312.9	1125.0	168.643	111.994	33.6	202.443	36.0	16.110	0.358	0.618	59.9	0.714	33.2	-0.720	0.367	-27.0	0.808	BF exceeds limit NG
1106840.1	15341311.8	1125.1	167.786	111.343	33.6	201.368	35.9	16.024	0.358	0.608	59.5	0.706	34.7	-0.715	0.394	-28.9	0.817	BF exceeds limit NG
1106844.9	15341310.6	1125.5	168.252	111.706	33.6	201.958	35.9	16.071	0.367	0.603	58.7	0.706	38.6	-0.728	0.459	-32.2	0.861	BF exceeds limit NG
1106849.8	15341309.5	1125.4	166.024	110.009	33.5	199.163	35.6	15.849	0.358	0.589	58.7	0.689	37.8	-0.701	0.445	-32.4	0.831	
1106854.7	15341308.3	1125.2	163.387	108.009	33.5	195.860	35.3	15.586	0.346	0.574	58.9	0.671	36.3	-0.667	0.421	-32.2	0.789	
1106859.5	15341307.1	1125.1	160.871	106.112	33.4	192.716	34.9	15.336	0.336	0.560	59.0	0.653	35.0	-0.634	0.400	-32.3	0.750	
1106864.4	15341306.0	1125.1	159.196	104.858	33.4	190.626	34.7	15.170	0.332	0.548	58.8	0.641	35.1	-0.613	0.404	-33.4	0.734	
1106869.3	15341304.8	1125.4	159.005	104.725	33.4	190.394	34.7	15.151	0.337	0.541	58.1	0.637	38.2	-0.613	0.449	-36.2	0.760	
1106874.1	15341303.7	1125.4	157.245	103.415	33.3	188.204	34.4	14.977	0.332	0.528	57.9	0.624	38.3	-0.591	0.451	-37.3	0.743	
1106879.0	15341302.5	1125.1	153.719	100.790	33.3	183.815	33.9	14.628	0.315	0.512	58.4	0.601	34.7	-0.544	0.403	-36.5	0.677	
1106883.8	15341301.4	1125.1	151.812	99.386	33.2	181.451	33.7	14.439	0.309	0.500	58.3	0.588	34.3	-0.522	0.399	-37.4	0.657	
1106888.7	15341300.2	1125.2	150.532	98.454	33.2	179.870	33.5	14.314	0.306	0.490	58.0	0.578	35.1	-0.510	0.411	-38.9	0.655	
1106893.6	15341299.1	1125.3	149.365	97.610	33.2	178.431	33.4	14.199	0.304	0.481	57.7	0.569	36.3	-0.503	0.425	-40.2	0.658	
1106898.4	15341297.9	1125.4	148.131	96.721	33.1	176.912	33.2	14.078	0.301	0.472	57.5	0.560	37.2	-0.496	0.435	-41.3	0.660	
1106903.3	15341296.7	1125.6	147.044	95.945	33.1	175.578	33.1	13.972	0.299	0.464	57.2	0.552	38.6	-0.493	0.447	-42.2	0.666	
1106908.2	15341295.6	1125.8	146.059	95.249	33.1	174.372	33.0	13.876	0.298	0.457	56.9	0.546	40.2	-0.493	0.461	-43.1	0.675	
1106913.0	15341294.4	1125.7	143.413	93.336	33.1	171.111	32.7	13.617	0.285	0.446	57.4	0.529	38.1	-0.470	0.430	-42.5	0.637	
1106917.9	15341293.3	1125.7	141.438	91.926	33.0	168.687	32.5	13.424	0.278	0.436	57.5	0.517	37.5	-0.458	0.416	-42.2	0.619	
1106922.8	15341292.1	1125.8	139.872	90.824	33.0	166.773	32.3	13.271	0.273	0.429	57.5	0.508	38.0	-0.453	0.411	-42.3	0.612	
1106927.6	15341291.0	1126.0	138.967	90.211	33.0	165.680	32.2	13.184	0.274	0.423	57.1	0.504	40.3	-0.457	0.423	-42.8	0.623	
1106932.5	15341289.8	1125.9	136.292	88.314	32.9	162.403	31.9	12.924	0.263	0.413	57.5	0.489	38.3	-0.437	0.390	-41.8	0.585	
1106937.4	15341288.7	1126.1	134.954	87.399	32.9	160.783	31.8	12.795	0.262	0.406	57.2	0.483	39.8	-0.436	0.391	-41.9	0.585	
1106942.2	15341287.5	1126.3	133.572	86.460	32.9	159.113	31.7	12.662	0.261	0.400	56.9	0.477	41.4	-0.435	0.391	-42.0	0.585	
1106947.1	15341286.3	1126.3	130.987	84.656	32.9	155.962	31.5	12.411	0.251	0.390	57.2	0.464	40.0	-0.419	0.363	-40.9	0.554	
1106952.0	15341285.2	1126.7	130.359	84.278	32.9	155.230	31.5	12.353	0.257	0.386	56.4	0.464	44.3	-0.430	0.385	-41.8	0.578	
1106956.8	15341284.0	1126.8	128.411	82.948	32.9	152.872	31.4	12.165	0.253	0.378	56.2	0.455	45.2	-0.426	0.377	-41.5	0.568	
1106961.7	15341282.9	1126.9	126.340	81.535	32.8	150.365	31.2	11.966	0.248	0.369	56.1	0.445	46.2	-0.421	0.367	-41.1	0.559	

1106966.5	15341281.7	1126.7	122.427	78.795	32.8	145.592	30.8	11.586	0.231	0.355	57.0	0.424	42.1	-0.393	0.315	-38.7	0.503
1106971.4	15341280.6	1126.7	119.869	77.033	32.7	142.488	30.5	11.339	0.224	0.344	57.0	0.411	42.2	-0.385	0.298	-37.8	0.487
1106976.3	15341279.4	1126.8	117.194	75.178	32.7	139.234	30.2	11.080	0.216	0.333	57.0	0.397	42.3	-0.377	0.281	-36.7	0.470
1106981.1	15341278.2	1126.8	114.431	73.249	32.6	135.867	29.8	10.812	0.207	0.320	57.1	0.382	42.5	-0.368	0.264	-35.6	0.453
1106986.0	15341277.1	1126.9	111.627	71.270	32.6	132.439	29.4	10.539	0.199	0.307	57.1	0.366	42.8	-0.359	0.246	-34.4	0.435
1106990.9	15341275.9	1127.0	108.864	69.295	32.5	129.047	28.9	10.269	0.191	0.294	57.0	0.350	43.4	-0.350	0.228	-33.1	0.418
1106995.7	15341274.8	1127.1	106.182	67.350	32.4	125.740	28.3	10.006	0.182	0.280	56.9	0.334	44.3	-0.341	0.211	-31.8	0.401
1107000.6	15341273.6	1127.2	103.619	65.464	32.3	122.566	27.6	9.754	0.174	0.266	56.8	0.318	45.3	-0.331	0.193	-30.2	0.383
1107005.5	15341272.5	1127.3	101.384	63.789	32.2	119.782	26.9	9.532	0.167	0.253	56.5	0.303	46.8	-0.323	0.177	-28.7	0.368
1107010.3	15341271.3	1127.8	100.394	62.971	32.1	118.509	26.3	9.431	0.168	0.244	55.4	0.296	52.5	-0.326	0.183	-29.3	0.374
1107015.2	15341270.2	1127.8	98.735	61.711	32.0	116.434	25.7	9.266	0.162	0.234	55.4	0.285	52.8	-0.317	0.162	-27.1	0.356
1107020.1	15341269.0	1127.8	97.517	60.798	31.9	114.918	25.2	9.145	0.156	0.228	55.7	0.276	51.9	-0.307	0.141	-24.7	0.338
1107024.9	15341267.8	1127.9	97.142	60.516	31.9	114.450	25.1	9.108	0.154	0.227	55.8	0.274	51.4	-0.304	0.128	-22.9	0.329
1107029.8	15341266.7	1127.9	97.601	60.862	31.9	115.022	25.2	9.153	0.156	0.231	55.9	0.279	51.1	-0.305	0.122	-21.9	0.328
1107034.6	15341265.5	1128.0	98.812	61.775	32.0	116.533	25.7	9.273	0.161	0.239	56.0	0.289	50.7	-0.310	0.123	-21.7	0.334
1107039.5	15341264.4	1128.1	100.560	63.096	32.1	118.716	26.3	9.447	0.168	0.251	56.2	0.303	49.9	-0.318	0.127	-21.7	0.342
1107044.4	15341263.2	1127.6	101.246	63.702	32.2	119.619	26.8	9.519	0.165	0.262	57.8	0.309	42.3	-0.308	0.094	-17.0	0.322
1107049.2	15341262.1	1127.9	104.610	66.159	32.3	123.776	27.7	9.850	0.180	0.280	57.2	0.333	45.0	-0.329	0.122	-20.3	0.351
1107054.1	15341260.9	1127.9	107.074	67.977	32.4	126.830	28.3	10.093	0.187	0.295	57.6	0.350	43.0	-0.337	0.122	-20.0	0.358
1107059.0	15341259.8	1127.8	109.507	69.749	32.5	129.834	28.9	10.332	0.193	0.310	58.1	0.366	40.7	-0.342	0.119	-19.3	0.362
1107063.8	15341258.6	1127.8	112.540	71.922	32.6	133.559	29.4	10.628	0.203	0.326	58.1	0.384	40.5	-0.354	0.131	-20.3	0.378
1107068.7	15341257.4	1128.1	116.454	74.705	32.7	138.356	30.0	11.010	0.219	0.344	57.5	0.407	43.1	-0.378	0.166	-23.7	0.413
1107073.6	15341256.3	1128.4	120.582	77.633	32.8	143.412	30.6	11.412	0.236	0.361	56.8	0.431	46.3	-0.405	0.208	-27.2	0.456
1107078.4	15341255.1	1128.4	123.196	79.464	32.8	146.601	30.9	11.666	0.242	0.374	57.1	0.445	45.1	-0.412	0.214	-27.5	0.464

Max BF along centerline is 310.445 (mG) at 1910.000 (ft) from structure Undefined (#77 in line)

Cross section results at max BF along centerline between structures Undefined (#77 in line) and Undefined (#78 in line)


MAGNETIC FIELD VS. OFFSET RELATIVE TO LINE BETWEEN ST
1910 (FT) AHEAD OF STRUCTURE UNDEFINED (#77 IN LINE)
MAGNETIC FIELD (MG)
320
300
280
260
240
220
200
180
160
140
120
100
80
60
40
20
0
-180 -160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 160 180
OFFSET (FT)



3D EMF Point Results Span from Undefined (#77 in line) to Undefined (#78 in line):

Measurement			B					H	EF					Space Potential			
X (ft)	Y (ft)	Z (ft)	Real (mG)	Imaginary (mG)	Angle (deg)	Magnitude (mG)	Polarization Axial Ratio %	Magnitude (A/m)	Real (kV/m)	Imaginary (kV/m)	Angle (deg)	Magnitude (kV/m)	Polarization Axial Ratio %	Real (kV)	Imaginary (kV)	Angle (deg)	Magnitude (kV)
1106627.6	15341542.1	1135.2	12.498	5.975	25.6	13.853	2.3	1.102	0.068	0.015	12.8	0.069	0.3	0.123	0.025	11.5	0.126
1106626.4	15341537.3	1135.1	13.248	6.298	25.4	14.669	2.4	1.167	0.073	0.017	12.9	0.075	0.3	0.132	0.027	11.5	0.135
1106625.3	15341532.4	1135.2	14.077	6.652	25.3	15.569	2.5	1.239	0.080	0.018	13.0	0.082	0.3	0.148	0.030	11.6	0.151
1106624.1	15341527.5	1135.0	14.974	7.031	25.2	16.543	2.6	1.316	0.087	0.020	13.1	0.089	0.3	0.158	0.033	11.6	0.161
1106622.9	15341522.7	1134.8	15.957	7.443	25.0	17.607	2.7	1.401	0.095	0.022	13.2	0.098	0.3	0.168	0.035	11.6	0.171
1106621.8	15341517.8	1134.8	17.053	7.897	24.8	18.793	2.8	1.496	0.105	0.025	13.2	0.108	0.3	0.188	0.039	11.7	0.192
1106620.6	15341513.0	1134.6	18.253	8.389	24.7	20.088	2.9	1.599	0.115	0.027	13.3	0.119	0.3	0.202	0.042	11.7	0.207
1106619.5	15341508.1	1134.2	19.564	8.922	24.5	21.502	3.0	1.711	0.128	0.030	13.3	0.131	0.3	0.208	0.043	11.6	0.212
1106618.3	15341503.2	1133.9	21.031	9.510	24.3	23.081	3.2	1.837	0.141	0.034	13.3	0.145	0.3	0.220	0.045	11.6	0.225
1106617.2	15341498.4	1133.8	22.685	10.163	24.1	24.858	3.3	1.978	0.157	0.037	13.3	0.162	0.3	0.243	0.050	11.6	0.248
1106616.0	15341493.5	1133.6	24.529	10.883	23.9	26.835	3.5	2.135	0.176	0.042	13.3	0.181	0.4	0.264	0.054	11.6	0.270
1106614.9	15341488.6	1133.5	26.603	11.680	23.7	29.054	3.7	2.312	0.198	0.047	13.3	0.203	0.4	0.288	0.059	11.6	0.294
1106613.7	15341483.8	1133.3	28.945	12.567	23.5	31.555	3.9	2.511	0.223	0.052	13.3	0.229	0.4	0.315	0.064	11.5	0.321
1106612.5	15341478.9	1133.1	31.602	13.557	23.2	34.387	4.2	2.736	0.252	0.059	13.2	0.259	0.4	0.345	0.070	11.5	0.352
1106611.4	15341474.0	1132.9	34.625	14.664	23.0	37.602	4.5	2.992	0.287	0.067	13.1	0.295	0.4	0.378	0.076	11.4	0.386
1106610.2	15341469.2	1132.6	38.062	15.901	22.7	41.250	4.8	3.283	0.329	0.076	13.0	0.337	0.4	0.405	0.081	11.3	0.413
1106609.1	15341464.3	1132.4	42.043	17.306	22.4	45.465	5.2	3.618	0.378	0.086	12.9	0.388	0.4	0.446	0.089	11.3	0.455
1106607.9	15341459.4	1132.2	46.643	18.899	22.1	50.326	5.6	4.005	0.437	0.099	12.7	0.448	0.4	0.492	0.097	11.2	0.501
1106606.8	15341454.6	1132.3	52.121	20.746	21.7	56.098	6.1	4.464	0.508	0.114	12.6	0.521	0.4	0.583	0.115	11.2	0.594
1106605.6	15341449.7	1132.3	58.555	22.868	21.3	62.862	6.6	5.002	0.594	0.131	12.4	0.609	0.3	0.691	0.136	11.2	0.704
1106604.5	15341444.8	1132.4	66.214	25.331	20.9	70.894	7.3	5.642	0.699	0.152	12.3	0.715	0.3	0.833	0.165	11.2	0.849
1106603.3	15341440.0	1132.4	75.241	28.176	20.5	80.344	8.0	6.394	0.825	0.177	12.1	0.844	0.3	0.983	0.194	11.2	1.002

1106602.1	15341435.1	1132.3	85.953	31.490	20.1	91.540	8.9	7.285	0.978	0.208	12.0	1.000	0.2	1.150	0.227	11.2	1.172	
1106601.0	15341430.3	1132.2	98.582	35.356	19.7	104.730	10.0	8.334	1.161	0.245	11.9	1.186	0.1	1.316	0.261	11.2	1.342	
1106599.8	15341425.4	1132.0	113.438	39.899	19.4	120.250	11.3	9.569	1.375	0.291	11.9	1.406	0.2	1.482	0.298	11.4	1.512	
1106598.7	**15341420.5**	**1131.8**	**130.692**	**45.262**	**19.1**	**138.307**	**12.9**	**11.006**	**1.618**	**0.349**	**12.2**	**1.655**	**0.5**	**1.634**	**0.340**	**11.7**	**1.669**	**EF exceeds limit NG**
1106597.5	**15341415.7**	**1131.6**	**150.539**	**51.665**	**18.9**	**159.157**	**14.8**	**12.665**	**1.875**	**0.422**	**12.7**	**1.922**	**1.0**	**1.783**	**0.393**	**12.4**	**1.826**	**EF exceeds limit NG**
1106596.4	**15341410.8**	**1131.5**	**173.171**	**59.439**	**18.9**	**183.088**	**17.1**	**14.570**	**2.118**	**0.515**	**13.7**	**2.180**	**1.7**	**1.960**	**0.477**	**13.7**	**2.017**	**EF exceeds limit NG**
1106595.2	**15341405.9**	**1131.5**	**197.100**	**68.779**	**19.2**	**208.756**	**19.8**	**16.612**	**2.298**	**0.634**	**15.4**	**2.384**	**2.8**	**2.055**	**0.581**	**15.8**	**2.136**	**BF and EF exceed limits NG**
1106594.0	**15341401.1**	**1131.4**	**220.389**	**79.975**	**19.9**	**234.451**	**23.2**	**18.657**	**2.349**	**0.783**	**18.4**	**2.476**	**4.6**	**2.007**	**0.708**	**19.4**	**2.128**	**BF and EF exceed limits NG**
1106592.9	**15341396.2**	**1131.5**	**241.954**	**93.618**	**21.2**	**259.435**	**27.2**	**20.645**	**2.216**	**0.963**	**23.5**	**2.416**	**7.8**	**1.848**	**0.891**	**25.7**	**2.051**	**BF and EF exceed limits NG**
1106591.7	**15341391.3**	**1131.6**	**258.516**	**109.782**	**23.0**	**280.861**	**31.9**	**22.350**	**1.878**	**1.161**	**31.7**	**2.207**	**13.2**	**1.463**	**1.096**	**36.8**	**1.828**	**BF and EF exceed limits NG**
1106590.6	**15341386.5**	**1131.6**	**267.831**	**128.161**	**25.6**	**296.915**	**37.3**	**23.628**	**1.371**	**1.347**	**44.5**	**1.922**	**21.1**	**0.844**	**1.272**	**56.4**	**1.526**	**BF and EF exceed limits NG**
1106589.4	**15341381.6**	**1131.7**	**269.872**	**148.065**	**28.8**	**307.822**	**42.8**	**24.496**	**0.812**	**1.473**	**61.1**	**1.682**	**30.0**	**0.086**	**1.362**	**86.4**	**1.365**	**BF and EF exceed limits NG**
1106588.3	**15341376.7**	**1131.7**	**265.358**	**167.876**	**32.3**	**314.002**	**47.3**	**24.987**	**0.512**	**1.478**	**70.9**	**1.564**	**34.6**	**-0.705**	**1.286**	**-61.3**	**1.467**	**BF exceeds limit NG**
1106587.1	**15341371.9**	**1131.4**	**251.796**	**181.589**	**35.8**	**310.445**	**48.6**	**24.704**	**0.765**	**1.299**	**59.5**	**1.507**	**33.2**	**-1.355**	**0.831**	**-31.5**	**1.590**	**BF exceeds limit NG**
1106586.0	**15341367.0**	**1131.0**	**236.200**	**189.827**	**38.8**	**303.026**	**46.5**	**24.114**	**1.157**	**0.944**	**39.2**	**1.493**	**32.3**	**-1.766**	**0.220**	**-7.1**	**1.779**	**BF exceeds limit NG**
1106584.8	**15341362.2**	**1130.7**	**220.281**	**191.839**	**41.1**	**292.106**	**42.2**	**23.245**	**1.472**	**0.508**	**19.0**	**1.558**	**28.0**	**-1.969**	**-0.431**	**12.4**	**2.015**	**BF exceeds limit NG**
1106583.6	**15341357.3**	**1130.6**	**206.105**	**189.807**	**42.6**	**280.190**	**37.2**	**22.297**	**1.686**	**0.459**	**15.2**	**1.748**	**20.2**	**-2.117**	**-1.020**	**25.7**	**2.350**	**BF and EF exceed limits NG**
1106582.5	**15341352.4**	**1130.4**	**191.403**	**181.741**	**43.5**	**263.941**	**32.2**	**21.004**	**1.797**	**0.862**	**25.6**	**1.993**	**12.4**	**-2.151**	**-1.503**	**34.9**	**2.624**	**BF and EF exceed limits NG**
1106581.3	**15341347.6**	**1130.3**	**175.692**	**168.578**	**43.8**	**243.488**	**27.6**	**19.376**	**1.811**	**1.228**	**34.1**	**2.188**	**7.1**	**-2.077**	**-1.804**	**41.0**	**2.751**	**BF and EF exceed limits NG**
1106580.2	**15341342.7**	**1130.0**	**158.382**	**151.178**	**43.7**	**218.952**	**23.8**	**17.424**	**1.741**	**1.440**	**39.6**	**2.259**	**3.6**	**-1.852**	**-1.852**	**45.0**	**2.619**	**BF and EF exceed limits NG**
1106579.0	**15341337.8**	**1129.9**	**141.551**	**133.499**	**43.3**	**194.573**	**20.5**	**15.484**	**1.610**	**1.502**	**43.0**	**2.202**	**1.8**	**-1.647**	**-1.787**	**47.3**	**2.430**	**EF exceeds limit NG**
1106577.9	**15341333.0**	**1129.9**	**125.966**	**117.028**	**42.9**	**171.939**	**17.8**	**13.682**	**1.442**	**1.449**	**45.1**	**2.045**	**0.9**	**-1.511**	**-1.712**	**48.6**	**2.283**	**EF exceeds limit NG**
1106576.7	**15341328.1**	**1129.7**	**110.550**	**100.650**	**42.3**	**149.505**	**15.6**	**11.897**	**1.262**	**1.325**	**46.4**	**1.830**	**0.4**	**-1.256**	**-1.469**	**49.5**	**1.933**	**EF exceeds limit NG**
1106575.6	15341323.2	1129.4	96.672	86.154	41.7	129.491	13.8	10.305	1.088	1.171	47.1	1.599	0.4	-1.001	-1.195	50.1	1.559	
1106574.4	15341318.4	1129.1	84.754	73.994	41.1	112.510	12.2	8.953	0.930	1.015	47.5	1.377	0.5	-0.803	-0.968	50.3	1.258	
1106573.2	15341313.5	1128.9	74.599	63.870	40.6	98.206	11.0	7.815	0.792	0.870	47.7	1.176	0.6	-0.653	-0.788	50.4	1.024	
1106572.1	15341308.6	1129.0	66.184	55.687	40.1	86.495	9.8	6.883	0.674	0.742	47.7	1.002	0.6	-0.586	-0.701	50.1	0.913	
1106570.9	15341303.8	1128.9	58.817	48.647	39.6	76.328	8.9	6.074	0.575	0.632	47.7	0.854	0.7	-0.500	-0.592	49.9	0.775	
1106569.8	15341298.9	1128.7	52.441	42.667	39.1	67.606	8.1	5.380	0.492	0.539	47.6	0.730	0.7	-0.411	-0.484	49.6	0.635	
1106568.6	15341294.0	1128.5	46.967	37.631	38.7	60.183	7.5	4.789	0.423	0.462	47.5	0.626	0.6	-0.335	-0.391	49.4	0.516	
1106567.5	15341289.2	1128.2	42.268	33.387	38.3	53.864	6.9	4.286	0.365	0.397	47.4	0.539	0.6	-0.275	-0.317	49.1	0.420	
1106566.3	15341284.3	1128.0	38.212	29.786	37.9	48.449	6.4	3.855	0.316	0.343	47.3	0.466	0.6	-0.225	-0.257	48.8	0.342	
1106565.1	15341279.5	1127.8	34.692	26.711	37.6	43.783	6.0	3.484	0.276	0.298	47.2	0.406	0.5	-0.184	-0.207	48.4	0.277	
1106564.0	15341274.6	1127.5	31.623	24.070	37.3	39.741	5.6	3.163	0.241	0.260	47.1	0.355	0.5	-0.150	-0.167	48.0	0.224	
1106562.8	15341269.7	1127.8	29.032	21.879	37.0	36.353	5.2	2.893	0.212	0.228	47.0	0.311	0.5	-0.157	-0.171	47.3	0.232	
1106561.7	15341264.9	1127.7	26.675	19.906	36.7	33.284	4.9	2.649	0.188	0.201	46.9	0.275	0.5	-0.139	-0.148	46.8	0.203	
1106560.5	15341260.0	1127.2	24.539	18.138	36.5	30.515	4.7	2.428	0.167	0.178	46.9	0.244	0.4	-0.105	-0.109	46.1	0.152	
1106559.4	15341255.1	1127.0	22.677	16.616	36.2	28.112	4.5	2.237	0.148	0.158	46.8	0.217	0.4	-0.088	-0.089	45.4	0.126	
1106558.2	15341250.3	1126.8	21.019	15.276	36.0	25.984	4.2	2.068	0.133	0.141	46.8	0.194	0.4	-0.075	-0.074	44.5	0.106	
1106557.1	15341245.4	1126.3	19.506	14.066	35.8	24.049	4.1	1.914	0.119	0.127	46.8	0.174	0.3	-0.052	-0.048	42.6	0.071	
1106555.9	15341240.5	1125.9	18.162	13.001	35.6	22.336	3.9	1.777	0.107	0.114	46.7	0.157	0.3	-0.038	-0.032	39.8	0.050	
1106554.7	15341235.7	1125.7	16.964	12.062	35.4	20.815	3.8	1.656	0.097	0.103	46.7	0.142	0.3	-0.032	-0.024	37.1	0.040	
1106553.6	15341230.8	1125.6	15.882	11.222	35.2	19.447	3.6	1.548	0.088	0.094	46.8	0.129	0.3	-0.028	-0.019	34.2	0.034	
1106552.4	15341225.9	1125.4	14.900	10.466	35.1	18.208	3.5	1.449	0.080	0.085	46.8	0.117	0.3	-0.024	-0.014	30.6	0.028	
1106551.3	15341221.1	1125.4	14.010	9.786	34.9	17.089	3.3	1.360	0.073	0.078	46.8	0.107	0.3	-0.023	-0.012	28.4	0.026	
1106550.1	15341216.2	1125.2	13.192	9.165	34.8	16.064	3.2	1.278	0.067	0.071	46.9	0.098	0.2	-0.020	-0.009	23.5	0.022	
1106549.0	15341211.4	1125.0	12.443	8.601	34.7	15.126	3.1	1.204	0.061	0.066	46.9	0.090	0.2	-0.017	-0.005	16.2	0.018	
1106547.8	15341206.5	1124.9	11.758	8.088	34.5	14.271	3.0	1.136	0.056	0.060	47.0	0.083	0.2	-0.015	-0.003	9.9	0.015	
1106546.7	15341201.6	1124.8	11.128	7.620	34.4	13.487	2.9	1.073	0.052	0.056	47.1	0.076	0.2	-0.014	-0.001	4.0	0.014	

Critical Energy/Electric Infrastructure Information (CEII) Has Been Redacted From This Document

PLS-CADD Version 20.01x64 11:41:25 AM Friday, February 28, 2025
Quanta Services - Dashiell
Project Name: 'C:\projects\L72\5269-T0072-700 REV 0-0G PLS CADD MODEL.don'
Line Title: 'L72 EXISTING CONDITIONS - M1'

3D EMF Calculation Notes:
1) Calculations based on the EPRI Red Book methods (3rd Edition, 2005 - 7.4 Calculation of Magnetic Fields and Appendices 7.1 Calculation of Field Ellipse Parameters and 7.6 Electric Field Calculations for 3D Geometry).
2) All wire positions are modeled at the specified weather case and wind direction. Height above ground determined by the modeled ground TIN.
3) Only the effects of wires are being analyzed. The effects of structures are not included unless enabled as noted below.
4) Ground return is being ignored for magnetic field calculations.

Meter height above ground:	3.28 (ft)
Maximum wire distance:	500.00 (ft)
Maximum cable segment size:	5.00 (ft)
Cross section offset +/-:	175.00 (ft)
Result interval:	5.00 (ft)
Electric field limit:	1.60 (kV/m)
Magnetic field limit:	200.00 (mG)
Space potential limit:	0.00 (kV)
Contour Map Spacing:	15 (ft)
Analyzing spans between these structures:	Undefined (#121 in line) - Undefined (#122 in line)

One or more sections have wind from both directions which is not supported. A wind direction of left is being used for those sections.

Section Data for 3D EMF Results:

Section Number	Section Note	Voltage Ph-Ph (kV)	Current (Amps)	Cable Filename	Cable Description	Conductors Per Phase	Bundle Diameter (in)	Cable Radius (in)	Weather Case	Condition	Wind Dir.	WC Temperature (deg F)	Effective Radius (in)
6		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
7		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
8		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
21		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
22		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
23		0.0	[redacted]	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
35		230.0	[redacted]	ortolan_acsr.wir	1033.5 kcmil 45/7 Strands ORTOLAN ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.606	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.606
36		230.0	[redacted]	ortolan_acsr.wir	1033.5 kcmil 45/7 Strands ORTOLAN ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.606	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.606
42		230.0	[redacted]	ortolan_acsr.wir	1033.5 kcmil 45/7 Strands ORTOLAN ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.606	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.606

Centerline results between structures Undefined (#121 in line) and Undefined (#122 in line)

3D EMF Point Results Centerline from Undefined (#121 in line) to Undefined (#122 in line):

Measurement X (ft)	Measurement Y (ft)	Measurement Z (ft)	B Real (mG)	B Imaginary (mG)	B Angle (deg)	B Magnitude (mG)	B Polarization Axial Ratio %	H Magnitude (A/m)	EF Real (kV/m)	EF Imaginary (kV/m)	EF Angle (deg)	EF Magnitude (kV/m)	EF Polarization Axial Ratio %	Space Potential Real (kV)	Space Potential Imaginary (kV)	Space Potential Angle (deg)	Space Potential Magnitude (kV)
1139605.3	15338778.1	1061.6	109.906	69.424	32.3	129.996	27.5	10.345	0.158	0.410	69.0	0.439	20.1	-3.685	-1.631	23.9	4.029
1139610.2	15338778.0	1060.8	111.831	70.886	32.4	132.404	28.1	10.536	0.163	0.425	69.1	0.455	20.4	-3.670	-1.663	24.4	4.029
1139615.2	15338777.9	1060.0	114.633	73.006	32.5	135.907	28.9	10.815	0.173	0.447	68.8	0.479	22.1	-3.676	-1.684	24.6	4.044
1139620.2	15338777.8	1059.2	118.083	75.595	32.6	140.208	29.8	11.157	0.188	0.473	68.3	0.509	24.2	-3.700	-1.700	24.7	4.072
1139625.2	15338777.7	1058.3	121.879	78.416	32.8	144.926	30.6	11.533	0.203	0.502	68.0	0.542	26.0	-3.738	-1.714	24.6	4.112
1139630.2	15338777.6	1057.3	125.247	80.894	32.9	149.099	31.2	11.865	0.213	0.530	68.1	0.571	26.7	-3.788	-1.746	24.7	4.171
1139635.2	15338777.5	1056.1	128.137	82.981	32.9	152.660	31.6	12.148	0.217	0.555	68.7	0.596	26.6	-3.846	-1.790	25.0	4.242
1139640.2	15338777.5	1055.3	132.775	86.321	33.0	158.368	32.3	12.603	0.240	0.585	67.7	0.632	28.6	-3.895	-1.764	24.4	4.276
1139645.2	15338777.4	1054.1	135.379	88.144	33.1	161.545	32.5	12.855	0.243	0.606	68.1	0.653	28.3	-3.951	-1.792	24.4	4.338
1139650.2	15338777.3	1052.4	135.675	88.252	33.0	161.852	32.3	12.880	0.225	0.617	69.9	0.656	25.6	-4.012	-1.877	25.1	4.430
1139655.2	15338777.2	1050.6	135.438	87.971	33.0	161.500	32.1	12.852	0.205	0.623	71.8	0.656	22.6	-4.070	-1.957	25.7	4.516
1139660.2	15338777.1	1048.7	134.165	86.939	32.9	159.870	31.8	12.722	0.179	0.623	74.0	0.648	18.7	-4.127	-2.045	26.4	4.606
1139665.2	15338777.0	1046.0	129.572	83.525	32.8	154.160	30.9	12.268	0.128	0.612	78.2	0.626	10.8	-4.198	-2.226	27.9	4.752
1139670.2	15338777.0	1043.8	127.352	81.857	32.7	151.391	30.5	12.047	0.113	0.604	79.4	0.615	8.6	-4.250	-2.289	28.3	4.827
1139675.2	15338776.9	1042.6	128.702	82.759	32.7	153.014	30.5	12.176	0.124	0.599	78.3	0.612	10.1	-4.267	-2.190	27.2	4.796
1139680.2	15338776.8	1041.9	132.868	85.691	32.8	158.104	31.0	12.582	0.154	0.599	75.5	0.618	14.0	-4.253	-1.972	24.9	4.688
1139685.2	15338776.7	1039.4	128.429	82.452	32.7	152.618	30.3	12.145	0.140	0.576	76.3	0.593	13.7	-4.286	-2.032	25.4	4.743

1139690.2	15338776.6	1037.1	125.517	80.335	32.6	149.024	29.8	11.859	0.149	0.557	75.0	0.576	18.0	-4.294	-2.019	25.2	4.745
1139695.2	15338776.5	1035.5	125.065	79.976	32.6	148.450	29.7	11.813	0.163	0.541	73.3	0.565	21.4	-4.267	-1.907	24.1	4.674
1139700.2	15338776.4	1033.9	124.582	79.600	32.6	147.841	29.5	11.765	0.176	0.524	71.5	0.553	24.9	-4.221	-1.785	22.9	4.583
1139705.2	15338776.4	1032.9	126.369	80.837	32.6	150.012	29.7	11.938	0.187	0.513	69.9	0.546	26.7	-4.139	-1.586	21.0	4.433
1139710.2	15338776.3	1030.6	123.385	78.701	32.5	146.348	29.2	11.646	0.201	0.489	67.7	0.529	32.4	-4.073	-1.527	20.6	4.349
1139715.2	15338776.2	1028.4	120.223	76.457	32.5	142.475	28.8	11.338	0.218	0.465	64.9	0.514	39.2	-3.987	-1.465	20.2	4.247
1139720.2	15338776.1	1026.3	117.948	74.848	32.4	139.692	28.4	11.116	0.234	0.444	62.2	0.501	45.4	-3.874	-1.371	19.5	4.109
1139725.2	15338776.0	1024.7	117.019	74.185	32.4	138.553	28.2	11.026	0.244	0.425	60.1	0.490	50.0	-3.732	-1.235	18.3	3.931
1139730.2	15338775.9	1022.9	115.964	73.437	32.3	137.262	28.1	10.923	0.254	0.406	58.0	0.479	54.8	-3.573	-1.104	17.2	3.739
1139735.2	15338775.8	1021.2	114.843	72.647	32.3	135.892	27.9	10.814	0.263	0.387	55.8	0.468	60.0	-3.396	-0.974	16.0	3.533
1139740.2	15338775.8	1019.5	113.822	71.930	32.3	134.646	27.7	10.715	0.271	0.370	53.7	0.458	65.1	-3.202	-0.844	14.8	3.312
1139745.2	15338775.7	1017.1	110.207	69.427	32.2	130.252	27.2	10.365	0.285	0.345	50.5	0.447	73.9	-2.998	-0.778	14.5	3.097
1139750.2	15338775.6	1015.2	108.420	68.193	32.2	128.082	26.9	10.192	0.291	0.326	48.2	0.438	79.7	-2.774	-0.669	13.6	2.853
1139755.2	15338775.5	1013.1	106.071	66.580	32.1	125.236	26.6	9.966	0.298	0.307	45.9	0.427	85.0	-2.536	-0.574	12.8	2.601
1139760.2	15338775.4	1010.8	103.214	64.629	32.1	121.779	26.1	9.691	0.303	0.286	43.4	0.417	87.5	-2.286	-0.492	12.1	2.339
1139765.2	15338775.3	1008.6	100.491	62.779	32.0	118.489	25.7	9.429	0.304	0.267	41.3	0.405	85.3	-2.027	-0.407	11.4	2.068
1139770.2	15338775.3	1006.3	97.888	61.019	31.9	115.349	25.3	9.179	0.303	0.248	39.4	0.391	81.3	-1.764	-0.321	10.3	1.793
1139775.2	15338775.2	1003.4	93.517	58.084	31.8	110.087	24.7	8.760	0.302	0.226	36.9	0.377	74.9	-1.483	-0.268	10.2	1.507
1139780.2	15338775.1	1000.7	89.931	55.692	31.8	105.779	24.1	8.418	0.296	0.206	34.9	0.361	69.8	-1.207	-0.198	9.3	1.224
1139785.2	15338775.0	998.0	86.350	53.319	31.7	101.485	23.6	8.076	0.287	0.188	33.2	0.343	65.3	-0.934	-0.126	7.7	0.943
1139790.2	15338774.9	995.4	83.478	51.425	31.6	98.047	23.1	7.802	0.274	0.170	31.8	0.322	61.9	-0.678	-0.041	3.5	0.680
1139795.2	15338774.8	992.2	79.148	48.588	31.5	92.872	22.5	7.391	0.263	0.152	30.1	0.304	57.7	-0.408	0.022	-3.1	0.408
1139800.2	15338774.7	989.0	75.250	46.051	31.5	88.223	21.9	7.021	0.250	0.137	28.7	0.285	54.5	-0.154	0.094	-31.5	0.181
1139805.2	15338774.7	985.9	71.652	43.724	31.4	83.939	21.3	6.680	0.236	0.123	27.5	0.266	51.9	0.081	0.172	64.8	0.190
1139810.2	15338774.6	982.6	68.142	41.466	31.3	79.766	20.7	6.348	0.222	0.111	26.6	0.248	49.9	0.300	0.251	40.0	0.391
1139815.2	15338774.5	979.5	65.125	39.536	31.3	76.187	20.2	6.063	0.207	0.100	25.8	0.230	48.2	0.490	0.334	34.3	0.594
1139820.2	15338774.4	975.9	61.495	37.226	31.2	71.885	19.6	5.720	0.198	0.095	25.6	0.219	47.7	0.683	0.410	31.0	0.797
1139825.2	15338774.3	972.6	58.522	35.344	31.1	68.367	19.1	5.440	0.187	0.090	25.6	0.208	47.1	0.841	0.488	30.1	0.973
1139830.2	15338774.2	969.7	56.346	33.972	31.1	65.795	18.7	5.236	0.175	0.082	25.2	0.193	45.8	0.959	0.564	30.5	1.112
1139835.2	15338774.1	967.3	54.745	32.966	31.1	63.905	18.4	5.085	0.161	0.073	24.4	0.177	44.0	1.043	0.633	31.3	1.220
1139840.2	15338774.1	963.8	52.096	31.306	31.0	60.779	18.0	4.837	0.156	0.074	25.4	0.173	44.0	1.148	0.693	31.1	1.341
1139845.2	15338774.0	961.0	50.282	30.174	31.0	58.641	17.6	4.666	0.148	0.071	25.8	0.164	43.3	1.214	0.745	31.5	1.424
1139850.2	15338773.9	958.2	48.526	29.081	30.9	56.573	17.3	4.502	0.141	0.070	26.4	0.157	42.7	1.267	0.788	31.9	1.492
1139855.2	15338773.8	956.0	47.458	28.417	30.9	55.316	17.1	4.402	0.131	0.065	26.3	0.146	42.1	1.289	0.821	32.5	1.528
1139860.2	15338773.7	952.8	45.522	27.218	30.9	53.038	16.8	4.221	0.128	0.068	27.9	0.145	41.8	1.332	0.849	32.5	1.580
1139865.2	15338773.6	950.3	44.284	26.452	30.9	51.583	16.5	4.105	0.122	0.066	28.5	0.139	41.3	1.344	0.869	32.9	1.601
1139870.2	15338773.6	947.5	42.817	25.547	30.8	49.859	16.3	3.968	0.118	0.067	29.6	0.136	40.4	1.359	0.884	33.0	1.621
1139875.2	15338773.5	944.7	41.388	24.668	30.8	48.181	16.0	3.834	0.116	0.068	30.6	0.134	39.1	1.366	0.895	33.2	1.633
1139880.2	15338773.4	941.8	39.995	23.812	30.8	46.547	15.7	3.704	0.114	0.070	31.5	0.134	37.2	1.369	0.903	33.4	1.639
1139885.2	15338773.3	939.3	38.945	23.168	30.7	45.315	15.5	3.606	0.110	0.069	32.0	0.130	35.5	1.355	0.906	33.7	1.630
1139890.2	15338773.2	937.1	38.186	22.704	30.7	44.425	15.3	3.535	0.106	0.066	32.2	0.125	34.0	1.330	0.905	34.2	1.608
1139895.2	15338773.1	934.9	37.438	22.247	30.7	43.549	15.2	3.466	0.102	0.065	32.5	0.120	32.3	1.301	0.902	34.7	1.584
1139900.2	15338773.0	932.8	36.732	21.815	30.7	42.722	15.1	3.400	0.098	0.063	32.8	0.117	30.4	1.269	0.898	35.3	1.555
1139905.2	15338773.0	931.0	36.262	21.528	30.7	42.171	15.0	3.356	0.094	0.061	33.1	0.112	28.8	1.229	0.891	35.9	1.518
1139910.2	15338772.9	929.4	35.939	21.332	30.7	41.793	14.9	3.326	0.089	0.059	33.3	0.107	27.3	1.183	0.881	36.7	1.475
1139915.2	15338772.8	928.1	35.833	21.267	30.7	41.668	14.9	3.316	0.084	0.055	33.4	0.100	26.1	1.131	0.866	37.4	1.425
1139920.2	15338772.7	926.7	35.631	21.144	30.7	41.432	14.8	3.297	0.080	0.053	33.8	0.096	24.7	1.081	0.850	38.2	1.376
1139925.2	15338772.6	924.9	35.201	20.882	30.7	40.928	14.8	3.257	0.078	0.054	34.6	0.095	22.7	1.036	0.835	38.9	1.331
1139930.2	15338772.5	923.3	34.873	20.682	30.7	40.544	14.7	3.226	0.076	0.054	35.4	0.093	20.8	0.988	0.815	39.5	1.281
1139935.2	15338772.4	922.2	34.845	20.665	30.7	40.512	14.7	3.224	0.072	0.052	35.8	0.089	19.5	0.932	0.790	40.3	1.222
1139940.2	15338772.4	920.8	34.699	20.577	30.7	40.342	14.7	3.210	0.070	0.051	36.4	0.087	17.8	0.879	0.763	40.9	1.164
1139945.2	15338772.3	919.4	34.472	20.438	30.7	40.075	14.6	3.189	0.068	0.051	37.1	0.085	15.8	0.827	0.734	41.6	1.106
1139950.2	15338772.2	918.8	34.783	20.628	30.7	40.440	14.7	3.218	0.064	0.049	37.3	0.080	15.2	0.766	0.697	42.3	1.036
1139955.2	15338772.1	918.3	35.138	20.844	30.7	40.855	14.8	3.251	0.060	0.046	37.4	0.075	14.8	0.707	0.658	43.0	0.966
1139960.2	15338772.0	917.1	35.087	20.813	30.7	40.795	14.8	3.246	0.058	0.045	37.9	0.073	13.1	0.653	0.620	43.5	0.900
1139965.2	15338771.9	916.3	35.281	20.931	30.7	41.023	14.8	3.264	0.055	0.043	38.2	0.070	12.2	0.597	0.579	44.1	0.832
1139970.2	15338771.8	914.3	34.659	20.553	30.7	40.295	14.7	3.207	0.056	0.045	38.9	0.072	8.5	0.550	0.540	44.5	0.770
1139975.2	15338771.8	912.7	34.271	20.317	30.7	39.841	14.6	3.170	0.057	0.046	39.1	0.073	6.1	0.500	0.497	44.8	0.705
1139980.2	15338771.7	911.2	33.970	20.134	30.7	39.488	14.5	3.142	0.059	0.047	38.9	0.075	5.6	0.450	0.452	45.1	0.638
1139985.2	15338771.6	910.5	34.186	20.265	30.7	39.741	14.6	3.163	0.057	0.046	39.0	0.073	7.3	0.400	0.406	45.4	0.569
1139990.2	15338771.5	910.2	34.674	20.562	30.7	40.312	14.7	3.208	0.053	0.043	39.4	0.068	9.9	0.351	0.361	45.8	0.504
1139995.2	15338771.4	910.3	35.407	21.009	30.7	41.171	14.9	3.276	0.047	0.040	40.4	0.062	13.3	0.305	0.319	46.3	0.442
1140000.2	15338771.3	908.6	34.962	20.738	30.7	40.650	14.8	3.235	0.053	0.043	39.2	0.069	16.5	0.265	0.272	45.7	0.380
1140005.2	15338771.3	907.2	34.675	20.563	30.7	40.314	14.7	3.208	0.060	0.047	38.0	0.076	19.4	0.229	0.224	44.5	0.320
1140010.2	15338771.2	907.9	35.869	21.291	30.7	41.712	15.0	3.319	0.051	0.042	39.9	0.066	24.9	0.194	0.191	44.6	0.273
1140015.2	15338771.1	910.4	38.348	22.805	30.7	44.616	15.5	3.550	0.029	0.034	49.0	0.045	34.8	0.163	0.175	47.0	0.239
1140020.2	15338771.0	912.7	41.016	24.442	30.8	47.747	16.0	3.800	0.020	0.031	56.9	0.037	41.4	0.135	0.164	50.5	0.212
1140025.2	15338770.9	914.7	43.670	26.077	30.8	50.863	16.5	4.048	0.034	0.036	46.6	0.049	50.1	0.109	0.157	55.1	0.191
1140030.2	15338770.8	915.1	44.916	26.847	30.9	52.328	16.8	4.164	0.038	0.039	45.3	0.055	52.7	0.088	0.139	57.6	0.164
1140035.2	15338770.7	915.2	45.971	27.500	30.9	53.568	17.0	4.263	0.041	0.041	45.0	0.058	55.8	0.070	0.121	60.2	0.140
1140040.2	15338770.7	915.5	47.281	28.313	30.9	55.110	17.3	4.385	0.047	0.045	43.8	0.065	56.4	0.052	0.109	64.3	0.121
1140045.2	15338770.6	915.6	48.357	28.981	30.9	56.376	17.5	4.486	0.050	0.048	43.7	0.070	58.6	0.038	0.096	68.8	0.104
1140050.2	15338770.5	916.1	49.907	29.946	31.0	58.202	17.7	4.632	0.059	0.053	42.1	0.079	56.6	0.022	0.091	76.2	0.094
1140055.2	15338770.4	916.3	51.231	30.773	31.0	59.762	18.0	4.756	0.065	0.057	41.5	0.086	56.5	0.009	0.085	84.2	0.086

1140060.2	15338770.3	916.0	52.031	31.273	31.0	60.706	18.1	4.831	0.065	0.059	42.3	0.088	60.4	-0.002	0.075	-88.3	0.075
1140065.2	15338770.2	915.9	52.955	31.852	31.0	61.796	18.3	4.918	0.067	0.062	42.7	0.091	63.1	-0.013	0.068	-79.2	0.069
1140070.2	15338770.1	916.1	54.375	32.742	31.1	63.472	18.6	5.051	0.074	0.066	42.0	0.099	61.6	-0.026	0.068	-69.4	0.073
1140075.2	15338770.1	916.4	56.037	33.787	31.1	65.435	18.9	5.207	0.083	0.072	40.9	0.110	58.5	-0.039	0.073	-61.7	0.083
1140080.2	15338770.0	916.4	57.205	34.524	31.1	66.815	19.1	5.317	0.088	0.076	40.9	0.116	58.8	-0.051	0.073	-55.2	0.089
1140085.2	15338769.9	915.9	57.489	34.725	31.1	67.163	19.3	5.345	0.087	0.078	41.8	0.117	62.5	-0.045	0.048	-47.0	0.066
1140090.2	15338769.8	915.7	58.484	35.353	31.2	68.339	19.5	5.438	0.090	0.081	42.0	0.121	63.3	-0.056	0.049	-41.2	0.075
1140095.2	15338769.7	915.5	59.431	35.953	31.2	69.459	19.6	5.527	0.092	0.084	42.2	0.125	64.1	-0.067	0.050	-37.0	0.084
1140100.2	15338769.6	915.2	60.218	36.451	31.2	70.391	19.8	5.602	0.093	0.086	42.6	0.127	65.6	-0.076	0.050	-33.5	0.091
1140105.2	15338769.6	914.5	60.529	36.649	31.2	70.759	19.8	5.631	0.090	0.086	43.8	0.124	69.8	-0.083	0.045	-28.4	0.094
1140110.2	15338769.5	914.0	61.083	37.001	31.2	71.416	19.9	5.683	0.089	0.087	44.6	0.124	72.2	-0.091	0.044	-25.8	0.101
1140115.2	15338769.4	913.4	61.545	37.294	31.2	71.962	20.0	5.727	0.087	0.088	45.4	0.124	75.0	-0.097	0.042	-23.4	0.106
1140120.2	15338769.3	912.6	61.638	37.353	31.2	72.073	20.0	5.735	0.082	0.088	47.1	0.120	79.5	-0.101	0.036	-19.6	0.107
1140125.2	15338769.2	911.8	61.663	37.369	31.2	72.102	20.0	5.738	0.076	0.087	49.0	0.115	82.2	-0.104	0.029	-15.8	0.108
1140130.2	15338769.1	910.7	61.322	37.152	31.2	71.699	20.0	5.706	0.066	0.085	52.2	0.108	77.6	-0.103	0.018	-9.7	0.105
1140135.2	15338769.0	909.3	60.397	36.565	31.2	70.603	19.8	5.618	0.051	0.082	58.1	0.097	57.6	-0.098	-0.003	1.9	0.098
1140140.2	15338769.0	907.5	59.057	35.717	31.2	69.018	19.6	5.492	0.035	0.080	66.2	0.088	27.1	-0.089	-0.032	19.6	0.094
1140145.2	15338768.9	905.8	57.750	34.890	31.1	67.471	19.4	5.369	0.031	0.081	68.9	0.086	6.5	-0.078	-0.061	38.2	0.099
1140150.2	15338768.8	906.1	59.397	35.932	31.2	69.420	19.6	5.524	0.033	0.083	68.1	0.089	12.7	-0.084	-0.039	25.0	0.093
1140155.2	15338768.7	907.4	62.522	37.916	31.2	73.120	20.2	5.819	0.052	0.089	59.8	0.103	48.9	-0.100	0.007	-4.3	0.100
1140160.2	15338768.6	908.4	65.478	39.801	31.3	76.625	20.7	6.098	0.075	0.097	52.3	0.123	76.5	-0.114	0.050	-23.9	0.124
1140165.2	15338768.5	908.7	67.369	41.013	31.3	78.871	21.0	6.276	0.089	0.103	49.3	0.136	85.7	-0.120	0.076	-32.4	0.142
1140170.2	15338768.4	908.7	68.754	41.902	31.4	80.516	21.2	6.407	0.098	0.108	47.8	0.146	88.0	-0.122	0.095	-37.7	0.155
1140175.2	15338768.4	908.5	69.822	42.590	31.4	81.786	21.4	6.508	0.103	0.111	47.1	0.152	88.7	-0.122	0.109	-41.6	0.163
1140180.2	15338768.3	908.4	71.010	43.355	31.4	83.199	21.6	6.621	0.111	0.115	46.2	0.160	88.2	-0.122	0.125	-45.7	0.175
1140185.2	15338768.2	908.3	72.217	44.135	31.4	84.636	21.8	6.735	0.118	0.119	45.3	0.168	86.5	-0.123	0.143	-49.4	0.189
1140190.2	15338768.1	908.1	73.412	44.909	31.5	86.059	22.0	6.848	0.126	0.123	44.4	0.176	84.1	-0.123	0.162	-52.8	0.204
1140195.2	15338768.0	907.9	74.503	45.616	31.5	87.359	22.2	6.952	0.133	0.127	43.6	0.183	81.9	-0.123	0.180	-55.6	0.218
1140200.2	15338767.9	907.3	74.721	45.758	31.5	87.618	22.2	6.972	0.132	0.126	43.9	0.182	84.5	-0.117	0.186	-57.8	0.219
1140205.2	15338767.8	906.1	73.956	45.262	31.5	86.707	22.1	6.900	0.121	0.122	45.3	0.172	93.2	-0.103	0.176	-59.7	0.204
1140210.2	15338767.8	905.0	73.189	44.765	31.5	85.794	22.0	6.827	0.111	0.119	46.8	0.163	93.1	-0.089	0.167	-61.9	0.189
1140215.2	15338767.7	903.9	72.447	44.285	31.4	84.910	21.9	6.757	0.102	0.115	48.4	0.154	83.3	-0.076	0.159	-64.5	0.176
1140220.2	15338767.6	902.9	71.870	43.912	31.4	84.223	21.8	6.702	0.095	0.112	49.8	0.147	74.9	-0.065	0.154	-67.1	0.167
1140225.2	15338767.5	902.0	71.514	43.683	31.4	83.800	21.7	6.669	0.091	0.111	50.7	0.143	69.2	-0.057	0.153	-69.6	0.163
1140230.2	15338767.4	901.1	71.147	43.446	31.4	83.364	21.7	6.634	0.087	0.109	51.5	0.139	63.9	-0.049	0.152	-72.0	0.160
1140235.2	15338767.3	900.2	70.770	43.203	31.4	82.915	21.6	6.598	0.083	0.107	52.4	0.135	58.8	-0.042	0.151	-74.3	0.157
1140240.2	15338767.3	899.2	70.226	42.852	31.4	82.268	21.5	6.547	0.078	0.105	53.7	0.131	52.1	-0.035	0.147	-76.8	0.151
1140245.2	15338767.2	898.5	70.083	42.761	31.4	82.098	21.5	6.533	0.076	0.105	54.0	0.129	50.1	-0.031	0.150	-78.5	0.153
1140250.2	15338767.1	898.7	71.751	43.837	31.4	84.082	21.8	6.691	0.090	0.109	50.4	0.141	68.2	-0.044	0.183	-76.6	0.188
1140255.2	15338767.0	898.8	73.334	44.861	31.5	85.967	22.0	6.841	0.104	0.113	47.3	0.154	84.5	-0.056	0.214	-75.4	0.221
1140260.2	15338766.9	898.6	74.218	45.435	31.5	87.021	22.2	6.925	0.113	0.116	45.8	0.162	93.4	-0.061	0.233	-75.3	0.241
1140265.2	15338766.8	898.4	75.147	46.038	31.5	88.128	22.3	7.013	0.122	0.119	44.4	0.170	97.3	-0.067	0.253	-75.2	0.262
1140270.2	15338766.7	897.2	74.055	45.329	31.5	86.827	22.1	6.909	0.112	0.114	45.7	0.160	92.6	-0.055	0.242	-77.2	0.248
1140275.2	15338766.7	894.4	69.901	42.644	31.4	81.882	21.5	6.516	0.076	0.101	53.1	0.126	49.9	-0.015	0.182	-85.4	0.182
1140280.2	15338766.6	892.7	67.923	41.373	31.3	79.532	21.1	6.329	0.063	0.097	56.7	0.116	27.6	0.007	0.155	87.4	0.155
1140285.2	15338766.5	891.3	66.596	40.521	31.3	77.955	20.9	6.203	0.059	0.094	58.1	0.111	12.4	0.023	0.138	80.7	0.140
1140290.2	15338766.4	890.6	66.458	40.433	31.3	77.792	20.9	6.190	0.059	0.094	58.0	0.110	10.6	0.027	0.141	79.3	0.143
1140295.2	15338766.3	889.8	66.147	40.234	31.3	77.422	20.9	6.161	0.058	0.093	58.0	0.110	6.6	0.032	0.139	76.9	0.142
1140300.1	15338766.2	888.6	65.168	39.608	31.3	76.260	20.7	6.069	0.059	0.093	57.7	0.110	10.1	0.045	0.123	70.0	0.131
1140305.1	15338766.1	888.2	65.544	39.849	31.3	76.707	20.8	6.104	0.059	0.093	57.9	0.110	6.8	0.044	0.129	71.3	0.136
1140310.1	15338766.1	888.4	66.803	40.655	31.3	78.201	21.0	6.223	0.059	0.095	57.9	0.112	7.2	0.034	0.146	77.1	0.150
1140315.1	15338766.0	888.4	67.830	41.314	31.3	79.422	21.1	6.320	0.062	0.097	57.5	0.115	16.0	0.026	0.157	80.5	0.159
1140320.1	15338765.9	888.4	68.941	42.028	31.4	80.742	21.3	6.425	0.066	0.100	56.7	0.120	24.5	0.019	0.167	83.5	0.168
1140325.1	15338765.8	888.4	69.964	42.687	31.4	81.958	21.5	6.522	0.070	0.104	56.1	0.125	30.6	0.013	0.174	85.7	0.174
1140330.1	15338765.7	888.3	70.924	43.307	31.4	83.101	21.7	6.613	0.074	0.107	55.6	0.130	35.0	0.008	0.178	87.3	0.178
1140335.1	15338765.6	888.3	71.833	43.893	31.4	84.182	21.8	6.699	0.077	0.111	55.3	0.135	37.8	0.005	0.179	88.5	0.179
1140340.1	15338765.6	888.4	73.150	44.746	31.5	85.751	22.0	6.824	0.083	0.116	54.4	0.143	43.8	-0.002	0.187	-89.4	0.187
1140345.1	15338765.5	888.4	74.293	45.487	31.5	87.113	22.2	6.932	0.088	0.121	53.9	0.150	47.3	-0.006	0.191	-88.1	0.191
1140350.1	15338765.4	888.4	75.393	46.202	31.5	88.423	22.4	7.037	0.093	0.126	53.5	0.157	49.7	-0.010	0.194	-87.1	0.194
1140355.1	15338765.3	888.4	76.502	46.924	31.5	89.746	22.6	7.142	0.098	0.131	53.1	0.163	51.7	-0.013	0.197	-86.3	0.198
1140360.1	15338765.2	888.4	77.608	47.645	31.5	91.066	22.7	7.247	0.103	0.135	52.8	0.170	53.4	-0.015	0.201	-85.6	0.201
1140365.1	15338765.1	888.4	78.746	48.388	31.6	92.425	22.9	7.355	0.108	0.140	52.4	0.176	55.1	-0.018	0.205	-85.0	0.206
1140370.1	15338765.0	888.3	79.700	49.013	31.6	93.564	23.1	7.446	0.111	0.144	52.4	0.182	55.3	-0.019	0.207	-84.8	0.208
1140375.1	15338765.0	888.8	81.807	50.395	31.6	96.083	23.4	7.646	0.124	0.151	50.6	0.195	64.2	-0.032	0.231	-82.1	0.234
1140380.1	15338764.9	889.9	85.738	52.987	31.7	100.790	24.0	8.021	0.153	0.164	47.0	0.224	84.6	-0.065	0.290	-77.4	0.297
1140385.1	15338764.8	890.0	87.339	54.047	31.8	102.709	24.3	8.173	0.162	0.170	46.3	0.235	88.4	-0.074	0.307	-76.4	0.316
1140390.1	15338764.7	889.9	88.263	54.661	31.8	103.818	24.4	8.262	0.165	0.173	46.4	0.239	88.2	-0.077	0.313	-76.1	0.322
1140395.1	15338764.6	888.6	86.122	53.242	31.7	101.250	24.1	8.057	0.141	0.166	49.6	0.218	69.2	-0.049	0.262	-79.4	0.267
1140400.1	15338764.5	886.8	83.031	51.201	31.7	97.549	23.6	7.763	0.112	0.159	54.7	0.194	42.5	-0.009	0.192	-87.3	0.192
1140405.1	15338764.4	886.2	82.682	50.972	31.7	97.131	23.6	7.729	0.106	0.159	56.3	0.191	34.6	-0.000	0.173	-90.0	0.173
1140410.1	15338764.4	886.2	83.564	51.553	31.7	98.187	23.7	7.814	0.108	0.162	56.2	0.195	35.6	-0.006	0.179	-88.1	0.179
1140415.1	15338764.3	886.2	84.716	52.313	31.7	99.566	23.9	7.923	0.112	0.165	55.9	0.200	38.3	-0.015	0.189	-85.3	0.189
1140420.1	15338764.2	886.2	85.889	53.089	31.7	100.972	24.1	8.035	0.116	0.169	55.7	0.205	41.0	-0.025	0.198	-82.7	0.200
1140425.1	15338764.1	886.2	87.034	53.847	31.7	102.344	24.2	8.144	0.119	0.173	55.4	0.211	43.1	-0.035	0.206	-80.4	0.209

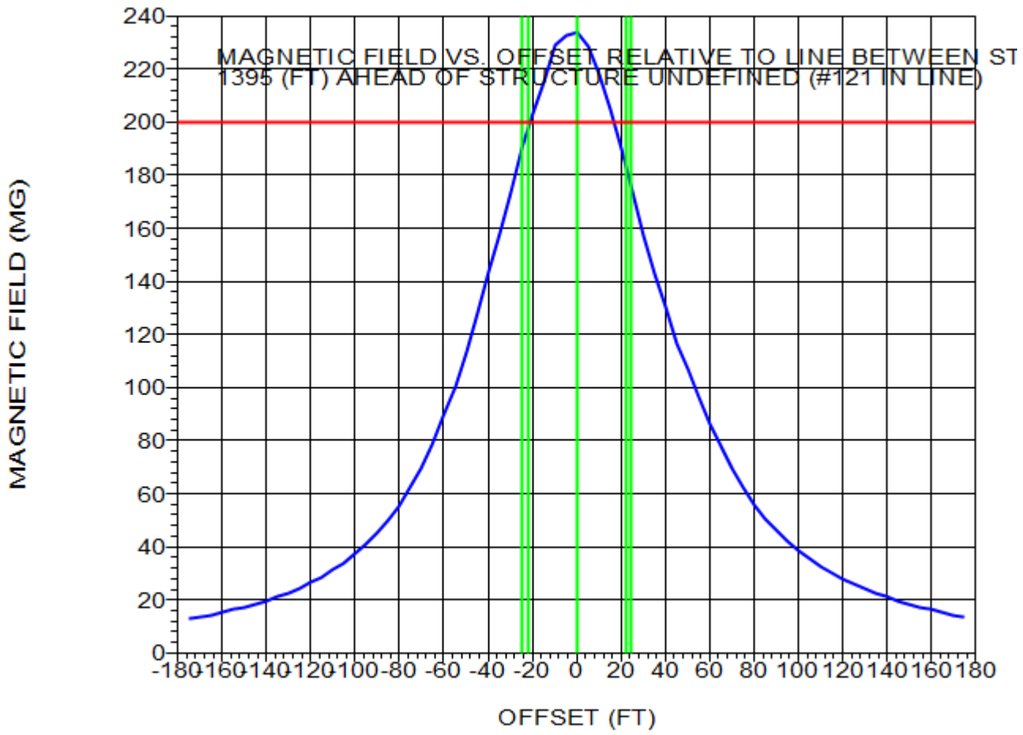
1140430.1	15338764.0	886.3	88.182	54.609	31.8	103.722	24.4	8.254	0.123	0.178	55.3	0.216	44.9	-0.045	0.213	-78.2	0.218
1140435.1	15338763.9	886.3	89.334	55.375	31.8	105.105	24.6	8.364	0.127	0.182	55.1	0.222	46.5	-0.054	0.220	-76.2	0.226
1140440.1	15338763.9	886.3	90.490	56.145	31.8	106.493	24.8	8.474	0.131	0.187	55.0	0.228	47.8	-0.063	0.226	-74.4	0.234
1140445.1	15338763.8	886.2	91.479	56.805	31.8	107.681	24.9	8.569	0.133	0.192	55.2	0.233	47.8	-0.070	0.227	-73.0	0.238
1140450.1	15338763.7	886.3	92.599	57.554	31.9	109.028	25.1	8.676	0.137	0.196	55.1	0.239	48.5	-0.077	0.231	-71.5	0.244
1140455.1	15338763.6	886.1	93.280	58.010	31.9	109.847	25.2	8.741	0.137	0.200	55.6	0.243	46.5	-0.079	0.226	-70.6	0.240
1140460.1	15338763.5	886.3	94.849	59.064	31.9	111.736	25.4	8.892	0.144	0.206	55.1	0.252	49.4	-0.091	0.239	-69.1	0.256
1140465.1	15338763.4	886.3	95.906	59.774	31.9	113.008	25.6	8.993	0.147	0.211	55.2	0.257	49.3	-0.096	0.241	-68.2	0.259
1140470.1	15338763.3	886.2	96.851	60.411	32.0	114.148	25.7	9.084	0.149	0.216	55.3	0.262	48.5	-0.100	0.240	-67.5	0.260
1140475.1	15338763.3	886.2	97.807	61.056	32.0	115.300	25.9	9.175	0.151	0.220	55.5	0.267	47.8	-0.103	0.240	-66.9	0.261
1140480.1	15338763.2	886.2	98.949	61.828	32.0	116.677	26.1	9.285	0.155	0.225	55.4	0.274	48.0	-0.107	0.244	-66.2	0.266
1140485.1	15338763.1	886.2	100.248	62.708	32.0	118.245	26.3	9.410	0.160	0.231	55.2	0.281	48.9	-0.113	0.251	-65.7	0.275
1140490.1	15338763.0	886.3	101.540	63.585	32.1	119.806	26.5	9.534	0.165	0.237	55.0	0.289	49.7	-0.119	0.258	-65.2	0.284
1140495.1	15338762.9	886.3	102.601	64.306	32.1	121.088	26.6	9.636	0.169	0.242	55.1	0.295	49.4	-0.122	0.260	-64.9	0.288
1140500.1	15338762.8	886.3	103.655	65.025	32.1	122.363	26.8	9.737	0.172	0.246	55.1	0.301	49.1	-0.124	0.263	-64.7	0.291
1140505.1	15338762.7	886.3	104.702	65.740	32.1	123.630	26.9	9.838	0.175	0.251	55.1	0.306	48.8	-0.127	0.266	-64.5	0.294
1140510.1	15338762.7	886.3	105.753	66.459	32.1	124.902	27.1	9.939	0.179	0.256	55.2	0.312	48.5	-0.129	0.269	-64.4	0.298
1140515.1	15338762.6	886.3	106.797	67.174	32.2	126.166	27.2	10.040	0.182	0.261	55.2	0.318	48.3	-0.131	0.272	-64.2	0.302
1140520.1	15338762.5	886.2	107.449	67.621	32.2	126.957	27.3	10.103	0.182	0.265	55.5	0.322	46.4	-0.129	0.267	-64.2	0.296
1140525.1	15338762.4	886.3	108.878	68.603	32.2	128.689	27.5	10.241	0.189	0.271	55.2	0.330	47.9	-0.136	0.279	-64.1	0.311
1140530.1	15338762.3	886.3	109.924	69.324	32.2	129.958	27.7	10.342	0.192	0.276	55.2	0.336	47.7	-0.139	0.284	-64.0	0.316
1140535.1	15338762.2	886.3	110.960	70.039	32.3	131.216	27.8	10.442	0.195	0.281	55.2	0.342	47.6	-0.141	0.289	-63.9	0.321
1140540.1	15338762.1	886.3	111.985	70.748	32.3	132.461	28.0	10.541	0.199	0.286	55.2	0.348	47.5	-0.144	0.294	-63.8	0.327
1140545.1	15338762.1	886.3	112.999	71.450	32.3	133.693	28.1	10.639	0.202	0.290	55.2	0.354	47.5	-0.147	0.299	-63.8	0.333
1140550.1	15338762.0	886.3	114.000	72.144	32.3	134.910	28.3	10.736	0.205	0.295	55.2	0.359	47.4	-0.150	0.304	-63.7	0.339
1140555.1	15338761.9	886.3	114.985	72.829	32.3	136.109	28.4	10.831	0.208	0.300	55.2	0.365	47.3	-0.153	0.309	-63.7	0.345
1140560.1	15338761.8	886.3	115.938	73.493	32.4	137.269	28.6	10.924	0.212	0.304	55.2	0.370	47.1	-0.156	0.314	-63.6	0.350
1140565.1	15338761.7	886.0	115.749	73.361	32.4	137.039	28.5	10.905	0.206	0.306	56.0	0.369	43.0	-0.144	0.292	-63.8	0.325
1140570.1	15338761.6	886.1	117.120	74.318	32.4	138.709	28.7	11.038	0.212	0.311	55.7	0.377	44.5	-0.152	0.307	-63.6	0.342
1140575.1	15338761.6	886.1	117.925	74.880	32.4	139.690	28.9	11.116	0.215	0.316	55.8	0.382	44.0	-0.153	0.308	-63.6	0.344
1140580.1	15338761.5	886.3	119.590	76.045	32.5	141.720	29.1	11.278	0.223	0.322	55.3	0.392	46.5	-0.165	0.331	-63.5	0.370
1140585.1	15338761.4	886.1	119.683	76.111	32.5	141.835	29.1	11.287	0.221	0.325	55.8	0.393	43.7	-0.157	0.315	-63.6	0.352
1140590.1	15338761.3	886.1	120.289	76.537	32.5	142.574	29.2	11.346	0.222	0.329	56.0	0.396	42.7	-0.155	0.313	-63.7	0.349
1140595.1	15338761.2	886.2	121.647	77.491	32.5	144.232	29.4	11.478	0.228	0.334	55.7	0.405	44.2	-0.163	0.328	-63.6	0.367
1140600.1	15338761.1	886.2	122.661	78.205	32.5	145.471	29.5	11.576	0.233	0.339	55.5	0.411	44.7	-0.167	0.336	-63.6	0.375
1140605.1	15338761.0	886.3	123.716	78.950	32.5	146.761	29.7	11.679	0.238	0.344	55.4	0.418	45.3	-0.171	0.346	-63.6	0.386
1140610.1	15338761.0	886.3	124.451	79.469	32.6	147.660	29.8	11.750	0.240	0.348	55.4	0.423	45.0	-0.172	0.348	-63.7	0.388
1140615.1	15338760.9	886.3	125.126	79.947	32.6	148.486	29.9	11.816	0.242	0.352	55.5	0.427	44.6	-0.172	0.350	-63.8	0.390
1140620.1	15338760.8	886.3	125.907	80.501	32.6	149.442	30.0	11.892	0.245	0.356	55.4	0.432	44.7	-0.174	0.355	-63.9	0.395
1140625.1	15338760.7	886.3	126.666	81.039	32.6	150.372	30.1	11.966	0.248	0.360	55.4	0.437	44.7	-0.176	0.360	-64.0	0.401
1140630.1	15338760.6	886.3	127.408	81.567	32.6	151.281	30.2	12.039	0.251	0.363	55.4	0.441	44.9	-0.178	0.366	-64.0	0.408
1140635.1	15338760.5	886.4	128.205	82.134	32.6	152.258	30.3	12.116	0.254	0.367	55.3	0.446	45.2	-0.182	0.375	-64.1	0.417
1140640.1	15338760.4	886.3	128.775	82.540	32.7	152.957	30.4	12.172	0.256	0.369	55.3	0.449	45.1	-0.184	0.379	-64.1	0.421
1140645.1	15338760.4	886.3	129.320	82.929	32.7	153.626	30.5	12.225	0.258	0.372	55.3	0.452	45.0	-0.186	0.383	-64.2	0.426
1140650.1	15338760.3	886.3	129.921	83.358	32.7	154.364	30.6	12.284	0.260	0.374	55.3	0.456	45.1	-0.189	0.390	-64.2	0.433
1140655.1	15338760.2	886.3	130.158	83.527	32.7	154.654	30.6	12.307	0.259	0.376	55.4	0.457	44.3	-0.187	0.388	-64.2	0.431
1140660.1	15338760.1	886.0	129.266	82.891	32.7	153.560	30.5	12.220	0.251	0.374	56.2	0.451	40.4	-0.170	0.358	-64.6	0.397
1140665.1	15338760.0	886.0	129.760	83.243	32.7	154.166	30.5	12.268	0.253	0.376	56.1	0.453	40.5	-0.173	0.364	-64.5	0.403
1140670.1	15338759.9	886.0	130.217	83.570	32.7	154.727	30.6	12.313	0.254	0.379	56.1	0.456	40.5	-0.176	0.368	-64.5	0.408
1140675.1	15338759.9	885.9	130.486	83.762	32.7	155.057	30.6	12.339	0.254	0.380	56.2	0.458	40.1	-0.176	0.368	-64.5	0.408
1140680.1	15338759.8	886.0	131.340	84.373	32.7	156.105	30.8	12.422	0.259	0.384	56.0	0.463	41.3	-0.184	0.383	-64.3	0.425
1140685.1	15338759.7	886.1	132.152	84.955	32.7	157.104	30.9	12.502	0.263	0.387	55.8	0.468	42.5	-0.192	0.397	-64.2	0.441
1140690.1	15338759.6	886.1	132.511	85.213	32.7	157.545	30.9	12.537	0.264	0.389	55.8	0.470	42.4	-0.194	0.400	-64.1	0.444
1140695.1	15338759.5	886.1	132.839	85.449	32.8	157.949	31.0	12.569	0.265	0.391	55.8	0.472	42.4	-0.195	0.402	-64.1	0.447
1140700.1	15338759.4	886.1	133.138	85.663	32.8	158.315	31.0	12.598	0.266	0.392	55.8	0.474	42.3	-0.196	0.405	-64.2	0.450
1140705.1	15338759.3	886.1	133.405	85.855	32.8	158.644	31.1	12.624	0.267	0.393	55.8	0.476	42.2	-0.197	0.408	-64.2	0.453
1140710.1	15338759.3	886.1	133.641	86.025	32.8	158.935	31.1	12.648	0.268	0.394	55.8	0.477	42.0	-0.197	0.410	-64.4	0.455
1140715.1	15338759.2	886.1	133.846	86.173	32.8	159.187	31.1	12.668	0.268	0.395	55.8	0.478	41.9	-0.197	0.413	-64.5	0.457
1140720.1	15338759.1	886.2	134.020	86.298	32.8	159.401	31.1	12.685	0.269	0.396	55.8	0.479	41.8	-0.196	0.415	-64.7	0.459
1140725.1	15338759.0	886.1	133.894	86.208	32.8	159.247	31.1	12.672	0.268	0.396	56.0	0.478	40.9	-0.192	0.411	-65.0	0.453
1140730.1	15338758.9	886.1	133.850	86.176	32.8	159.193	31.1	12.668	0.267	0.396	56.0	0.478	40.3	-0.188	0.409	-65.2	0.450
1140735.1	15338758.8	886.2	134.424	86.589	32.8	159.898	31.2	12.724	0.270	0.398	55.8	0.481	41.5	-0.194	0.423	-65.3	0.465
1140740.1	15338758.7	886.6	136.402	88.016	32.8	162.334	31.5	12.918	0.284	0.403	54.8	0.494	46.4	-0.220	0.473	-65.0	0.521
1140745.1	15338758.7	886.2	134.673	86.769	32.8	160.205	31.2	12.749	0.272	0.399	55.7	0.482	41.6	-0.195	0.430	-65.7	0.472
1140750.1	15338758.6	886.3	134.740	86.817	32.8	160.288	31.2	12.755	0.272	0.399	55.7	0.483	41.7	-0.195	0.434	-65.8	0.476
1140755.1	15338758.5	886.3	134.853	86.899	32.8	160.426	31.2	12.766	0.273	0.399	55.6	0.483	42.0	-0.196	0.440	-66.0	0.481
1140760.1	15338758.4	886.3	134.895	86.929	32.8	160.479	31.3	12.770	0.273	0.398	55.6	0.483	42.2	-0.197	0.445	-66.2	0.487
1140765.1	15338758.3	886.3	134.881	86.919	32.8	160.461	31.2	12.769	0.273	0.397	55.5	0.482	42.3	-0.197	0.450	-66.3	0.492
1140770.1	15338758.2	886.3	134.573	86.698	32.8	160.083	31.2	12.739	0.270	0.395	55.6	0.479	41.7	-0.194	0.450	-66.7	0.490
1140775.1	15338758.1	886.3	134.303	86.504	32.8	159.750	31.2	12.712	0.269	0.393	55.7	0.476	41.3	-0.191	0.451	-67.0	0.490
1140780.1	15338758.1	886.3	134.264	86.476	32.8	159.703	31.2	12.709	0.268	0.392	55.6	0.475	41.6	-0.192	0.459	-67.3	0.498
1140785.1	15338758.0	886.3	133.935	86.239	32.8	159.298	31.1	12.676	0.266	0.389	55.6	0.471	41.1	-0.189	0.461	-67.7	0.498
1140790.1	15338757.9	886.3	133.425	85.873	32.8	158.671	31.0	12.627	0.263	0.386	55.7	0.467	40.1	-0.182	0.458	-68.3	0.493
1140795.1	15338757.8	886.2	132.886	85.486	32.8	158.008	31.0	12.574	0.259	0.382	55.9	0.462	39.1	-0.174	0.455	-69.0	0.487

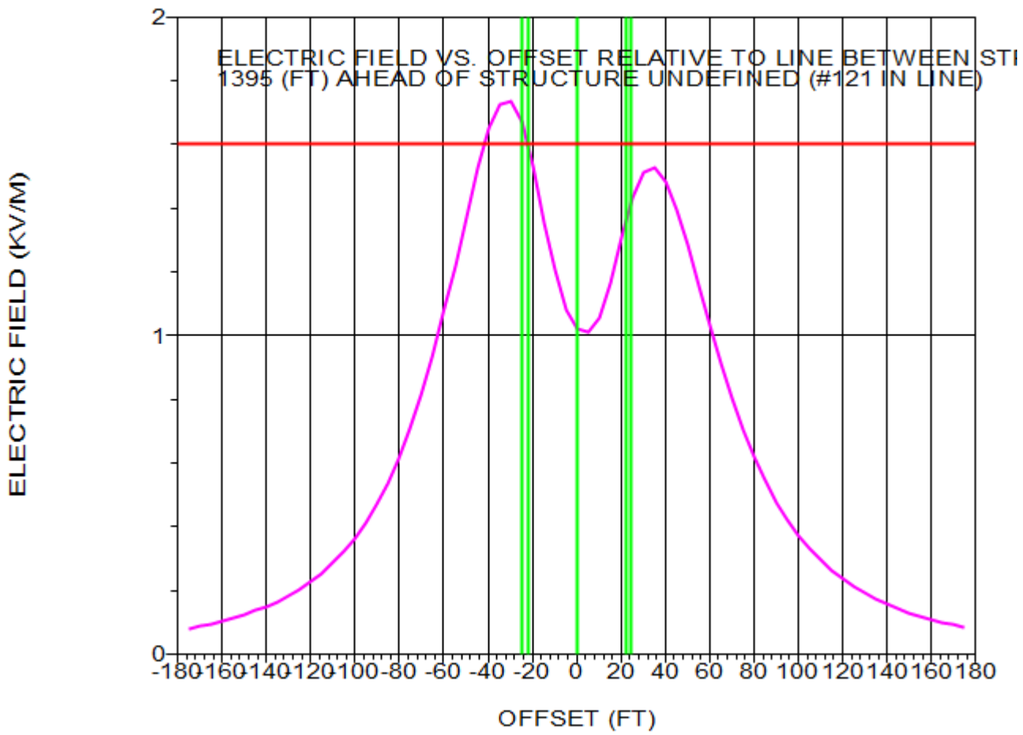
1140800.1	15338757.7	886.2	132.268	85.043	32.7	157.249	30.9	12.513	0.255	0.379	56.0	0.457	37.8	-0.165	0.449	-69.8	0.478	
1140805.1	15338757.6	886.2	131.978	84.836	32.7	156.892	30.8	12.485	0.254	0.376	56.0	0.454	37.4	-0.159	0.450	-70.5	0.477	
1140810.1	15338757.6	886.2	131.571	84.545	32.7	156.393	30.8	12.445	0.252	0.374	56.0	0.451	36.6	-0.150	0.447	-71.4	0.471	
1140815.1	15338757.5	886.2	131.112	84.216	32.7	155.829	30.7	12.400	0.250	0.371	56.0	0.447	35.4	-0.139	0.440	-72.4	0.461	
1140820.1	15338757.4	886.2	130.658	83.892	32.7	155.272	30.6	12.356	0.248	0.369	56.1	0.445	34.1	-0.127	0.430	-73.5	0.449	
1140825.1	15338757.3	886.2	130.306	83.641	32.7	154.840	30.6	12.322	0.247	0.368	56.2	0.443	32.9	-0.115	0.420	-74.6	0.436	
1140830.1	15338757.2	886.2	129.661	83.181	32.7	154.049	30.5	12.259	0.244	0.367	56.4	0.440	30.6	-0.099	0.399	-76.1	0.411	
1140835.1	15338757.1	886.1	128.829	82.588	32.7	153.029	30.4	12.178	0.240	0.366	56.8	0.438	27.5	-0.078	0.368	-78.0	0.376	
1140840.1	15338757.0	886.3	129.068	82.698	32.6	153.289	30.3	12.198	0.240	0.368	56.9	0.439	26.3	-0.071	0.355	-78.6	0.362	
1140845.1	15338757.0	886.9	131.289	84.282	32.7	156.013	30.6	12.415	0.252	0.375	56.1	0.452	31.5	-0.097	0.392	-76.1	0.403	
1140850.1	15338756.9	887.2	132.062	84.835	32.7	156.963	30.7	12.491	0.256	0.380	56.0	0.458	32.2	-0.101	0.389	-75.4	0.402	
1140855.1	15338756.8	887.7	133.558	85.907	32.7	158.801	30.9	12.637	0.264	0.387	55.7	0.469	34.6	-0.118	0.400	-73.5	0.417	
1140860.1	15338756.7	887.9	133.660	85.979	32.8	158.926	30.9	12.647	0.263	0.391	56.0	0.471	33.0	-0.116	0.373	-72.8	0.391	
1140865.1	15338756.6	888.7	137.023	88.401	32.8	163.064	31.4	12.976	0.282	0.403	55.0	0.492	39.8	-0.164	0.426	-68.9	0.456	
1140870.1	15338756.5	888.9	137.007	88.388	32.8	163.044	31.4	12.975	0.279	0.407	55.6	0.494	37.6	-0.164	0.391	-67.3	0.424	
1140875.1	15338756.4	888.9	136.177	87.789	32.8	162.022	31.3	12.893	0.271	0.409	56.5	0.491	33.2	-0.153	0.332	-65.3	0.366	
1140880.1	15338756.4	889.3	137.313	88.608	32.8	163.421	31.4	13.005	0.275	0.417	56.6	0.499	33.7	-0.175	0.321	-61.4	0.366	
1140885.1	15338756.3	890.1	140.019	90.568	32.9	166.757	31.8	13.270	0.287	0.428	56.1	0.515	37.9	-0.222	0.348	-57.4	0.413	
1140890.1	15338756.2	890.6	141.636	91.743	32.9	168.753	32.0	13.429	0.293	0.436	56.1	0.526	39.2	-0.256	0.343	-53.3	0.428	
1140895.1	15338756.1	891.0	142.527	92.392	33.0	169.853	32.1	13.516	0.294	0.443	56.5	0.532	38.6	-0.281	0.316	-48.4	0.423	
1140900.1	15338756.0	891.3	142.935	92.689	33.0	170.358	32.2	13.557	0.290	0.450	57.2	0.535	36.6	-0.300	0.272	-42.2	0.405	
1140905.1	15338755.9	891.4	142.151	92.116	32.9	169.388	32.1	13.479	0.279	0.454	58.4	0.533	31.7	-0.304	0.190	-32.0	0.358	
1140910.1	15338755.9	891.5	141.518	91.653	32.9	168.605	32.0	13.417	0.270	0.461	59.6	0.534	26.9	-0.311	0.103	-18.3	0.328	
1140915.1	15338755.8	891.9	142.324	92.240	32.9	169.601	32.1	13.496	0.269	0.472	60.4	0.543	25.2	-0.341	0.047	-7.8	0.344	
1140920.1	15338755.7	892.6	145.051	94.233	33.0	172.973	32.5	13.765	0.277	0.490	60.5	0.562	27.6	-0.399	0.034	-4.9	0.400	
1140925.1	15338755.6	893.4	147.880	96.311	33.1	176.478	32.9	14.044	0.286	0.509	60.7	0.584	29.7	-0.458	0.017	-2.2	0.458	
1140930.1	15338755.5	894.1	150.301	98.099	33.1	179.482	33.2	14.283	0.293	0.529	61.0	0.604	30.4	-0.509	-0.018	2.0	0.509	
1140935.1	15338755.4	894.9	152.925	100.044	33.2	182.743	33.6	14.542	0.301	0.550	61.3	0.627	31.3	-0.561	-0.054	5.5	0.564	
1140940.1	15338755.3	895.4	154.348	101.103	33.2	184.513	33.8	14.683	0.302	0.569	62.1	0.645	29.6	-0.593	-0.130	12.4	0.608	
1140945.1	15338755.3	896.5	159.355	104.852	33.3	190.756	34.5	15.180	0.326	0.599	61.4	0.682	34.4	-0.673	-0.107	9.0	0.682	
1140950.1	15338755.2	897.5	163.108	107.686	33.4	195.450	35.0	15.553	0.344	0.626	61.2	0.714	36.5	-0.731	-0.123	9.5	0.741	
1140955.1	15338755.1	898.2	165.850	109.768	33.5	198.885	35.3	15.827	0.355	0.651	61.4	0.742	36.8	-0.770	-0.171	12.5	0.789	
1140960.1	**15338755.0**	**898.7**	**167.288**	**110.863**	**33.5**	**200.689**	**35.5**	**15.970**	**0.359**	**0.674**	**61.9**	**0.763**	**35.2**	**-0.786**	**-0.261**	**18.4**	**0.828**	**BF exceeds limit NG**
1140965.1	**15338754.9**	**899.4**	**169.402**	**112.480**	**33.6**	**203.344**	**35.8**	**16.182**	**0.369**	**0.698**	**62.1**	**0.790**	**34.8**	**-0.807**	**-0.332**	**22.4**	**0.873**	**BF exceeds limit NG**
1140970.1	**15338754.8**	**900.3**	**173.526**	**115.654**	**33.7**	**208.535**	**36.4**	**16.595**	**0.395**	**0.729**	**61.6**	**0.829**	**37.5**	**-0.853**	**-0.339**	**21.6**	**0.918**	**BF exceeds limit NG**
1140975.1	**15338754.7**	**901.3**	**178.058**	**119.171**	**33.8**	**214.257**	**37.0**	**17.050**	**0.425**	**0.761**	**60.8**	**0.872**	**40.9**	**-0.904**	**-0.326**	**19.8**	**0.961**	**BF exceeds limit NG**
1140980.1	**15338754.7**	**902.1**	**181.180**	**121.610**	**33.9**	**218.209**	**37.5**	**17.365**	**0.447**	**0.788**	**60.4**	**0.906**	**42.4**	**-0.934**	**-0.350**	**20.6**	**0.998**	**BF exceeds limit NG**
1140985.1	**15338754.6**	**903.0**	**185.580**	**125.075**	**34.0**	**223.794**	**38.1**	**17.809**	**0.479**	**0.817**	**59.6**	**0.947**	**45.8**	**-0.985**	**-0.322**	**18.1**	**1.037**	**BF exceeds limit NG**
1140990.0	**15338754.5**	**903.7**	**188.304**	**127.234**	**34.0**	**227.260**	**38.4**	**18.085**	**0.498**	**0.839**	**59.3**	**0.976**	**47.3**	**-1.016**	**-0.333**	**18.2**	**1.069**	**BF exceeds limit NG**
1140995.0	**15338754.4**	**904.5**	**191.058**	**129.427**	**34.1**	**230.769**	**38.8**	**18.364**	**0.518**	**0.857**	**58.9**	**1.002**	**49.2**	**-1.053**	**-0.328**	**17.3**	**1.102**	**BF exceeds limit NG**
1141000.0	**15338754.3**	**905.1**	**193.328**	**131.245**	**34.2**	**233.669**	**39.1**	**18.595**	**0.534**	**0.871**	**58.5**	**1.022**	**50.8**	**-1.089**	**-0.321**	**16.4**	**1.135**	**BF exceeds limit NG**
1141005.0	**15338754.2**	**905.3**	**192.033**	**130.205**	**34.1**	**232.012**	**38.9**	**18.463**	**0.520**	**0.870**	**59.1**	**1.014**	**48.9**	**-1.079**	**-0.414**	**21.0**	**1.156**	**BF exceeds limit NG**
1141010.0	**15338754.1**	**905.5**	**190.748**	**129.176**	**34.1**	**230.371**	**38.8**	**18.332**	**0.506**	**0.866**	**59.7**	**1.003**	**47.2**	**-1.076**	**-0.492**	**24.6**	**1.183**	**BF exceeds limit NG**
1141015.0	**15338754.1**	**905.8**	**189.984**	**128.565**	**34.1**	**229.396**	**38.6**	**18.255**	**0.495**	**0.861**	**60.1**	**0.994**	**46.3**	**-1.086**	**-0.538**	**26.4**	**1.213**	**BF exceeds limit NG**
1141020.0	**15338754.0**	**905.8**	**187.309**	**126.435**	**34.0**	**225.988**	**38.3**	**17.984**	**0.468**	**0.850**	**61.1**	**0.970**	**43.2**	**-1.072**	**-0.637**	**30.7**	**1.247**	**BF exceeds limit NG**
1141025.0	**15338753.9**	**905.6**	**183.188**	**123.177**	**33.9**	**220.749**	**37.7**	**17.567**	**0.432**	**0.833**	**62.6**	**0.938**	**38.3**	**-1.038**	**-0.777**	**36.8**	**1.297**	**BF exceeds limit NG**
1141030.0	**15338753.8**	**905.4**	**179.155**	**120.014**	**33.8**	**215.638**	**37.1**	**17.160**	**0.397**	**0.819**	**64.1**	**0.910**	**33.1**	**-1.002**	**-0.909**	**42.2**	**1.353**	**BF exceeds limit NG**
1141035.0	**15338753.7**	**905.7**	**178.559**	**119.548**	**33.8**	**214.884**	**37.0**	**17.100**	**0.390**	**0.815**	**64.5**	**0.904**	**32.2**	**-1.009**	**-0.916**	**42.2**	**1.363**	**BF exceeds limit NG**
1141040.0	**15338753.6**	**906.1**	**178.615**	**119.591**	**33.8**	**214.954**	**37.0**	**17.106**	**0.389**	**0.814**	**64.5**	**0.902**	**32.3**	**-1.016**	**-0.895**	**41.4**	**1.354**	**BF exceeds limit NG**
1141045.0	**15338753.6**	**907.1**	**182.561**	**122.680**	**33.9**	**219.952**	**37.6**	**17.503**	**0.419**	**0.823**	**63.0**	**0.924**	**37.8**	**-1.066**	**-0.730**	**34.4**	**1.292**	**BF exceeds limit NG**
1141050.0	**15338753.5**	**908.1**	**186.666**	**125.920**	**34.0**	**225.166**	**38.1**	**17.918**	**0.456**	**0.833**	**61.3**	**0.949**	**43.5**	**-1.106**	**-0.553**	**26.5**	**1.236**	**BF exceeds limit NG**
1141055.0	**15338753.4**	**909.2**	**191.130**	**129.472**	**34.1**	**230.854**	**38.8**	**18.371**	**0.500**	**0.842**	**59.3**	**0.979**	**49.9**	**-1.142**	**-0.354**	**17.2**	**1.195**	**BF exceeds limit NG**
1141060.0	**15338753.3**	**909.8**	**192.968**	**130.944**	**34.2**	**233.202**	**39.0**	**18.558**	**0.525**	**0.840**	**58.0**	**0.990**	**53.7**	**-1.134**	**-0.229**	**11.4**	**1.157**	**BF exceeds limit NG**
1141065.0	**15338753.2**	**910.4**	**193.779**	**131.595**	**34.2**	**234.238**	**39.1**	**18.640**	**0.544**	**0.831**	**56.8**	**0.993**	**57.0**	**-1.107**	**-0.123**	**6.3**	**1.114**	**BF exceeds limit NG**
1141070.0	**15338753.1**	**910.3**	**189.952**	**128.532**	**34.1**	**229.352**	**38.6**	**18.251**	**0.527**	**0.802**	**56.7**	**0.959**	**55.9**	**-1.013**	**-0.149**	**8.4**	**1.024**	**BF exceeds limit NG**
1141075.0	**15338753.0**	**910.2**	**185.491**	**124.989**	**34.0**	**223.672**	**38.0**	**17.799**	**0.506**	**0.767**	**56.6**	**0.919**	**54.4**	**-0.907**	**-0.179**	**11.2**	**0.925**	**BF exceeds limit NG**
1141080.0	**15338753.0**	**909.9**	**180.132**	**120.775**	**33.8**	**216.874**	**37.2**	**17.258**	**0.480**	**0.728**	**56.6**	**0.872**	**52.0**	**-0.788**	**-0.225**	**15.9**	**0.819**	**BF exceeds limit NG**
1141085.0	**15338752.9**	**909.3**	**173.513**	**115.628**	**33.7**	**208.510**	**36.3**	**16.593**	**0.446**	**0.684**	**56.9**	**0.817**	**47.7**	**-0.649**	**-0.299**	**24.7**	**0.715**	**BF exceeds limit NG**
1141090.0	**15338752.8**	**908.8**	**167.022**	**110.644**	**33.5**	**200.346**	**35.4**	**15.943**	**0.414**	**0.641**	**57.2**	**0.763**	**43.0**	**-0.515**	**-0.362**	**35.1**	**0.629**	**BF exceeds limit NG**
1141095.0	15338752.7	908.2	160.320	105.562	33.4	191.953	34.5	15.275	0.383	0.599	57.4	0.711	37.2	-0.379	-0.429	48.5	0.573	
1141100.0	15338752.6	908.6	160.178	105.456	33.4	191.775	34.4	15.261	0.393	0.576	55.7	0.698	41.9	-0.358	-0.301	40.0	0.468	
1141105.0	15338752.5	908.3	155.505	101.951	33.2	185.945	33.8	14.797	0.373	0.543	55.5	0.659	38.4	-0.271	-0.318	49.6	0.418	
1141110.0	15338752.4	908.3	152.555	99.756	33.2	182.275	33.4	14.505	0.363	0.518	55.0	0.633	37.5	-0.222	-0.296	53.2	0.370	
1141115.0	15338752.4	908.3	149.848	97.751	33.1	178.913	33.0	14.237	0.353	0.496	54.6	0.609	36.7	-0.188	-0.283	56.4	0.340	
1141120.0	15338752.3	908.2	146.295	95.135	33.0	174.508	32.5	13.887	0.337	0.476	54.7	0.583	33.5	-0.151	-0.311	64.2	0.346	
1141125.0	15338752.2	908.0	142.830	92.601	33.0	170.222	32.0	13.546	0.320	0.459	55.1	0.560	30.0	-0.127	-0.357	70.5	0.379	
1141130.0	15338752.1	908.1	140.407	90.838	32.9	167.229	31.7	13.308	0.308	0.451	55.7	0.546	28.4	-0.133	-0.396	71.4	0.418	
1141135.0	15338752.0	908.1	137.735	88.905	32.8	163.936	31.3	13.046	0.293	0.446	56.7	0.534	25.9	-0.147	-0.466	72.5	0.489	
1141140.0	15338751.9	908.3	136.310	87.879	32.8	162.183	31.1	12.906	0.283	0.448	57.7	0.530	25.9	-0.195	-0.524	69.5	0.559	
1141145.0	15338751.9	908.9	136.630	88.114	32.8	162.579	31.1	12.938	0.280	0.458	58.6	0.537	29.1	-0.284	-0.552	62.8	0.621	
1141150.0	15338751.8	909.7	137.605	88.823	32.8	163.782	31.3	13.033	0.279	0.473	59.4	0.549	32.8	-0.392	-0.579	55.9	0.699	
1141155.0	15338751.7	910.9	140.760	91.117	32.9	167.677	31.7	13.343	0.291	0.494	59.5	0.573	39.9	-0.541	-0.553	45.6	0.774	
1141160.0	15338751.6	911.7	141.841	91.911	32.9	169.016	31.9	13.450	0.291	0.510	60.3	0.587	42.2	-0.663	-0.592	41.8	0.889	
1141165.0	15338751.5	912.5	142.712	92.554	33.0	170.097	32.0	13.536	0.290	0.525	61.1	0.600	43.6	-0.786	-0.639	39.1	1.013	

1141170.0	15338751.4	913.2	143.614	93.221	33.0	171.217	32.2	13.625	0.289	0.539	61.8	0.612	44.6	-0.913	-0.682	36.7	1.140
1141175.0	15338751.3	914.2	145.663	94.733	33.0	173.758	32.5	13.827	0.298	0.555	61.8	0.630	47.5	-1.057	-0.684	32.9	1.259
1141180.0	15338751.3	915.1	146.897	95.651	33.1	175.293	32.6	13.949	0.301	0.567	62.0	0.641	48.9	-1.192	-0.702	30.5	1.383
1141185.0	15338751.2	915.7	147.057	95.782	33.1	175.499	32.7	13.966	0.295	0.573	62.7	0.645	48.5	-1.315	-0.742	29.4	1.510
1141190.0	15338751.1	916.2	146.429	95.334	33.1	174.729	32.6	13.904	0.284	0.575	63.7	0.641	47.1	-1.430	-0.795	29.1	1.636
1141195.0	15338751.0	916.6	145.144	94.405	33.0	173.145	32.5	13.778	0.267	0.573	65.0	0.633	44.7	-1.539	-0.858	29.1	1.762
1141200.0	15338750.9	917.0	143.701	93.365	33.0	171.368	32.3	13.637	0.250	0.569	66.3	0.622	42.3	-1.648	-0.914	29.0	1.885
1141205.0	15338750.8	917.3	142.061	92.185	33.0	169.350	32.1	13.476	0.230	0.563	67.8	0.609	39.6	-1.756	-0.965	28.8	2.004
1141210.0	15338750.7	917.7	140.642	91.172	33.0	167.608	31.9	13.338	0.213	0.557	69.1	0.596	37.4	-1.865	-0.998	28.1	2.115
1141215.0	15338750.7	918.4	140.891	91.379	33.0	167.929	32.0	13.363	0.212	0.554	69.1	0.593	37.9	-1.984	-0.967	26.0	2.207
1141220.0	15338750.6	919.0	140.594	91.191	33.0	167.579	32.0	13.335	0.207	0.549	69.4	0.586	37.6	-2.092	-0.946	24.3	2.296
1141225.0	15338750.5	919.0	137.057	88.649	32.9	163.228	31.5	12.989	0.171	0.533	72.3	0.560	32.0	-2.175	-1.018	25.1	2.402
1141230.0	15338750.4	918.9	133.182	85.881	32.8	158.470	31.1	12.611	0.131	0.517	75.7	0.534	25.4	-2.252	-1.095	25.9	2.504
1141235.0	15338750.3	919.1	130.659	84.102	32.8	155.386	30.8	12.365	0.107	0.504	78.0	0.516	21.3	-2.326	-1.122	25.8	2.583
1141240.0	15338750.2	919.3	128.273	82.431	32.7	152.476	30.5	12.134	0.087	0.492	80.0	0.500	17.6	-2.388	-1.140	25.5	2.646
1141245.0	15338750.2	919.6	126.383	81.123	32.7	150.179	30.3	11.951	0.075	0.481	81.1	0.487	15.4	-2.435	-1.138	25.0	2.688
1141250.0	15338750.1	920.0	124.735	79.993	32.7	148.181	30.1	11.792	0.071	0.471	81.4	0.477	14.7	-2.465	-1.124	24.5	2.709
1141255.0	15338750.0	920.5	123.546	79.197	32.7	146.751	30.1	11.678	0.077	0.463	80.5	0.469	16.1	-2.477	-1.091	23.8	2.706
1141260.0	15338749.9	920.9	121.909	78.086	32.6	144.773	29.9	11.521	0.082	0.453	79.8	0.460	17.4	-2.469	-1.069	23.4	2.691
1141265.0	15338749.8	921.4	120.406	77.076	32.6	142.962	29.8	11.377	0.090	0.443	78.5	0.453	19.6	-2.445	-1.038	23.0	2.656
1141270.0	15338749.7	921.8	118.818	76.008	32.6	141.050	29.7	11.224	0.099	0.433	77.1	0.445	22.2	-2.403	-1.005	22.7	2.605
1141275.0	15338749.6	922.4	117.383	75.050	32.6	139.325	29.6	11.087	0.111	0.423	75.4	0.438	25.5	-2.348	-0.963	22.3	2.538
1141280.0	15338749.6	923.1	116.768	74.673	32.6	138.603	29.7	11.030	0.130	0.415	72.6	0.435	30.5	-2.282	-0.890	21.3	2.449
1141285.0	15338749.5	923.3	113.814	72.630	32.5	135.014	29.3	10.744	0.128	0.399	72.3	0.419	31.5	-2.204	-0.885	21.9	2.375
1141290.0	15338749.4	923.8	112.072	71.439	32.5	132.904	29.1	10.576	0.136	0.386	70.5	0.410	34.9	-2.120	-0.839	21.6	2.280
1141295.0	15338749.3	924.0	108.866	69.198	32.4	128.997	28.6	10.265	0.132	0.368	70.3	0.391	35.5	-2.029	-0.834	22.3	2.194
1141300.0	15338749.2	924.4	106.520	67.547	32.4	126.131	28.2	10.037	0.133	0.351	69.2	0.376	37.8	-1.937	-0.802	22.5	2.096
1141305.0	15338749.1	924.8	104.413	66.042	32.3	123.546	27.8	9.831	0.136	0.335	67.9	0.361	40.5	-1.845	-0.763	22.5	1.997
1141310.0	15338749.0	925.4	102.948	64.959	32.3	121.729	27.4	9.687	0.142	0.320	66.1	0.350	44.2	-1.758	-0.710	22.0	1.896
1141315.0	15338749.0	925.6	100.442	63.133	32.2	118.635	26.7	9.441	0.136	0.302	65.8	0.332	44.9	-1.670	-0.694	22.6	1.809
1141320.0	15338748.9	925.9	98.581	61.747	32.1	116.322	26.1	9.257	0.132	0.287	65.3	0.316	45.9	-1.591	-0.670	22.8	1.726
1141325.0	15338748.8	926.3	97.350	60.800	32.0	114.777	25.5	9.134	0.130	0.276	64.8	0.305	47.0	-1.520	-0.641	22.9	1.650
1141330.0	15338748.7	926.7	96.715	60.285	31.9	113.965	25.2	9.069	0.129	0.268	64.4	0.298	48.0	-1.459	-0.612	22.7	1.582
1141335.0	15338748.6	927.3	97.408	60.710	31.9	114.778	25.2	9.134	0.136	0.268	63.1	0.300	50.7	-1.412	-0.562	21.7	1.520

Max EF along centerline is 1.022 (kV/m) at 1395.000 (ft) from structure Undefined (#121 in line)

Cross section results at max EF along centerline between structures Undefined (#121 in line) and Undefined (#122 in line)


MAGNETIC FIELD VS. OFFSET RELATIVE TO LINE BETWEEN ST
1395 (FT) AHEAD OF STRUCTURE UNDEFINED (#121 IN LINE)
MAGNETIC FIELD (MG)
240
220
200
180
160
140
120
100
80
60
40
20
0
-180 -160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 160 180
OFFSET (FT)



3D EMF Point Results Span from Undefined (#121 in line) to Undefined (#122 in line):

Measurement			B					H	EF					Space Potential			
X (ft)	Y (ft)	Z (ft)	Real (mG)	Imaginary (mG)	Angle (deg)	Magnitude (mG)	Polarization Axial Ratio %	Magnitude (A/m)	Real (kV/m)	Imaginary (kV/m)	Angle (deg)	Magnitude (kV/m)	Polarization Axial Ratio %	Real (kV)	Imaginary (kV)	Angle (deg)	Magnitude (kV)
1141003.0	15338929.3	891.7	11.653	5.636	25.8	12.944	2.6	1.030	0.079	0.018	12.7	0.081	2.2	-0.187	-0.073	21.4	0.201
1141002.9	15338924.3	892.0	12.326	5.932	25.7	13.679	2.8	1.089	0.085	0.019	12.8	0.087	2.2	-0.194	-0.077	21.8	0.208
1141002.9	15338919.3	892.4	13.060	6.254	25.6	14.480	2.9	1.152	0.093	0.021	12.9	0.095	2.1	-0.200	-0.081	22.1	0.216
1141002.8	15338914.3	892.8	13.860	6.601	25.5	15.352	3.0	1.222	0.101	0.023	13.0	0.103	2.1	-0.206	-0.085	22.5	0.223
1141002.7	15338909.3	893.2	14.737	6.979	25.3	16.306	3.1	1.298	0.110	0.026	13.1	0.113	2.0	-0.212	-0.090	22.9	0.230
1141002.6	15338904.3	893.3	15.677	7.382	25.2	17.328	3.3	1.379	0.120	0.028	13.1	0.124	2.0	-0.229	-0.097	22.9	0.248
1141002.5	15338899.3	893.4	16.707	7.820	25.1	18.446	3.4	1.468	0.132	0.031	13.2	0.136	1.9	-0.247	-0.104	22.9	0.268
1141002.4	15338894.3	893.9	17.870	8.308	24.9	19.707	3.6	1.568	0.146	0.034	13.2	0.149	1.9	-0.253	-0.110	23.4	0.276
1141002.3	15338889.3	894.4	19.157	8.844	24.8	21.100	3.8	1.679	0.161	0.038	13.3	0.165	1.9	-0.258	-0.115	23.9	0.283
1141002.3	15338884.3	895.2	20.629	9.448	24.6	22.690	4.0	1.806	0.178	0.042	13.3	0.183	1.8	-0.244	-0.116	25.4	0.270
1141002.2	15338879.3	896.0	22.277	10.116	24.4	24.467	4.2	1.947	0.198	0.047	13.3	0.203	1.8	-0.224	-0.116	27.3	0.252
1141002.1	15338874.3	896.9	24.129	10.857	24.2	26.459	4.4	2.106	0.221	0.052	13.3	0.227	1.7	-0.197	-0.114	30.2	0.228
1141002.0	15338869.3	897.7	26.216	11.681	24.0	28.701	4.6	2.284	0.247	0.058	13.3	0.254	1.7	-0.162	-0.112	34.6	0.197
1141001.9	15338864.3	898.5	28.576	12.600	23.8	31.230	4.9	2.485	0.277	0.066	13.3	0.285	1.7	-0.120	-0.108	42.1	0.162
1141001.8	15338859.3	899.2	31.236	13.623	23.6	34.077	5.2	2.712	0.312	0.074	13.3	0.321	1.7	-0.075	-0.105	54.3	0.129
1141001.7	15338854.3	899.7	34.218	14.755	23.3	37.264	5.5	2.965	0.353	0.083	13.3	0.363	1.6	-0.038	-0.104	69.9	0.111
1141001.7	15338849.3	900.2	37.632	16.033	23.1	40.905	5.9	3.255	0.401	0.094	13.2	0.412	1.6	0.011	-0.101	-83.9	0.102
1141001.6	15338844.3	900.7	41.551	17.478	22.8	45.077	6.4	3.587	0.457	0.107	13.2	0.470	1.6	0.072	-0.097	-53.2	0.121
1141001.5	15338839.3	901.2	46.072	19.121	22.5	49.882	6.9	3.970	0.523	0.122	13.2	0.537	1.6	0.150	-0.090	-31.0	0.175
1141001.4	15338834.3	901.8	51.403	21.022	22.2	55.535	7.5	4.419	0.599	0.140	13.2	0.615	1.6	0.274	-0.075	-15.3	0.284
1141001.3	15338829.3	902.5	57.664	23.219	21.9	62.163	8.1	4.947	0.688	0.161	13.2	0.707	1.6	0.437	-0.052	-6.8	0.440
1141001.2	15338824.3	902.9	64.848	25.719	21.6	69.762	8.9	5.551	0.791	0.186	13.2	0.813	1.5	0.601	-0.031	-2.9	0.601

1141001.2	15338819.3	903.3	73.118	28.587	21.4	78.508	9.8	6.247	0.909	0.216	13.4	0.934	1.5	0.770	-0.010	-0.7	0.770	
1141001.1	15338814.3	903.9	83.088	32.004	21.1	89.038	10.9	7.085	1.041	0.252	13.6	1.071	1.3	1.036	0.033	1.8	1.037	
1141001.0	15338809.3	904.1	94.138	35.876	20.9	100.743	12.1	8.017	1.184	0.295	14.0	1.220	1.1	1.242	0.063	2.9	1.243	
1141000.9	15338804.3	904.2	106.461	40.343	20.8	113.848	13.6	9.060	1.331	0.347	14.6	1.375	0.9	1.419	0.090	3.6	1.422	
1141000.8	15338799.3	904.3	120.178	45.568	20.8	128.527	15.4	10.228	1.469	0.411	15.6	1.525	0.5	1.591	0.124	4.5	1.596	
1141000.7	**15338794.3**	**904.3**	**134.188**	**51.495**	**21.0**	**143.729**	**17.5**	**11.438**	**1.577**	**0.487**	**17.2**	**1.651**	**0.5**	**1.642**	**0.140**	**4.9**	**1.648**	**EF exceeds limit NG**
1141000.6	**15338789.3**	**904.0**	**147.294**	**58.081**	**21.5**	**158.331**	**19.9**	**12.600**	**1.627**	**0.577**	**19.5**	**1.727**	**1.2**	**1.522**	**0.118**	**4.4**	**1.526**	**EF exceeds limit NG**
1141000.6	**15338784.3**	**904.0**	**161.020**	**65.985**	**22.3**	**174.016**	**22.6**	**13.848**	**1.598**	**0.679**	**23.0**	**1.737**	**2.5**	**1.447**	**0.138**	**5.4**	**1.454**	**EF exceeds limit NG**
1141000.5	**15338779.3**	**904.3**	**174.659**	**75.428**	**23.4**	**190.250**	**25.7**	**15.140**	**1.472**	**0.790**	**28.2**	**1.671**	**5.3**	**1.358**	**0.202**	**8.5**	**1.373**	**EF exceeds limit NG**
1141000.4	**15338774.3**	**904.4**	**184.833**	**85.723**	**24.9**	**203.744**	**29.1**	**16.213**	**1.240**	**0.896**	**35.9**	**1.530**	**9.4**	**1.061**	**0.220**	**11.7**	**1.083**	**BF exceeds limit NG**
1141000.3	**15338769.3**	**904.6**	**192.515**	**97.248**	**26.8**	**215.683**	**32.5**	**17.164**	**0.931**	**0.981**	**46.5**	**1.353**	**16.4**	**0.661**	**0.229**	**19.1**	**0.699**	**BF exceeds limit NG**
1141000.2	**15338764.3**	**905.3**	**200.474**	**111.429**	**29.1**	**229.361**	**36.1**	**18.252**	**0.633**	**1.027**	**58.3**	**1.206**	**29.5**	**0.201**	**0.318**	**57.7**	**0.377**	**BF exceeds limit NG**
1141000.1	**15338759.3**	**905.2**	**198.180**	**122.038**	**31.6**	**232.742**	**38.3**	**18.521**	**0.427**	**0.992**	**66.7**	**1.080**	**40.9**	**-0.469**	**0.054**	**-6.6**	**0.472**	**BF exceeds limit NG**
1141000.0	**15338754.3**	**905.1**	**193.328**	**131.245**	**34.2**	**233.669**	**39.1**	**18.595**	**0.534**	**0.871**	**58.5**	**1.022**	**50.8**	**-1.089**	**-0.321**	**16.4**	**1.135**	**BF exceeds limit NG**
1141000.0	**15338749.3**	**904.7**	**183.758**	**135.468**	**36.4**	**228.295**	**37.9**	**18.167**	**0.764**	**0.659**	**40.8**	**1.009**	**48.8**	**-1.548**	**-0.872**	**29.4**	**1.777**	**BF exceeds limit NG**
1140999.9	**15338744.3**	**904.1**	**171.436**	**134.440**	**38.1**	**217.864**	**35.2**	**17.337**	**0.978**	**0.398**	**22.1**	**1.056**	**34.7**	**-1.767**	**-1.443**	**39.2**	**2.281**	**BF exceeds limit NG**
1140999.8	**15338739.3**	**903.3**	**158.457**	**129.667**	**39.3**	**204.749**	**31.9**	**16.293**	**1.139**	**0.254**	**12.6**	**1.167**	**19.8**	**-1.790**	**-1.880**	**46.4**	**2.595**	**BF exceeds limit NG**
1140999.7	15338734.3	902.6	145.338	122.095	40.0	189.816	28.5	15.105	1.238	0.426	19.0	1.309	9.2	-1.669	-2.119	51.8	2.697	
1140999.6	15338729.3	901.9	132.243	112.574	40.4	173.669	25.3	13.820	1.276	0.657	27.2	1.435	2.8	-1.449	-2.150	56.0	2.593	
1140999.5	15338724.3	901.2	119.531	102.153	40.5	157.235	22.5	12.512	1.261	0.831	33.4	1.511	1.0	-1.183	-2.014	59.6	2.336	
1140999.5	15338719.3	900.9	108.343	92.608	40.5	142.529	19.9	11.342	1.207	0.933	37.7	1.525	2.2	-1.019	-1.852	61.2	2.114	
1140999.4	15338714.3	901.0	98.907	84.470	40.5	130.069	17.7	10.351	1.125	0.967	40.7	1.483	2.4	-1.020	-1.788	60.3	2.058	
1140999.3	15338709.3	900.9	89.106	75.535	40.3	116.813	15.8	9.296	1.026	0.946	42.7	1.395	2.8	-0.905	-1.611	60.7	1.848	
1140999.2	15338704.3	901.7	81.642	68.926	40.2	106.846	14.0	8.503	0.921	0.893	44.1	1.283	2.6	-1.052	-1.677	57.9	1.980	
1140999.1	15338699.3	902.1	73.929	61.857	39.9	96.394	12.5	7.671	0.818	0.819	45.0	1.157	2.6	-1.061	-1.621	56.8	1.938	
1140999.0	15338694.3	902.3	66.565	55.058	39.6	86.384	11.1	6.874	0.720	0.737	45.7	1.031	2.6	-0.998	-1.498	56.3	1.800	
1140998.9	15338689.3	902.7	60.092	49.137	39.3	77.624	10.0	6.177	0.631	0.656	46.1	0.911	2.7	-0.959	-1.403	55.6	1.700	
1140998.9	15338684.3	902.8	54.086	43.663	38.9	69.510	9.0	5.531	0.553	0.580	46.4	0.801	2.7	-0.863	-1.255	55.5	1.523	
1140998.8	15338679.3	902.7	48.729	38.833	38.6	62.310	8.2	4.959	0.483	0.511	46.6	0.703	2.7	-0.758	-1.101	55.5	1.337	
1140998.7	15338674.3	902.7	44.050	34.672	38.2	56.058	7.5	4.461	0.423	0.449	46.7	0.617	2.7	-0.666	-0.967	55.4	1.174	
1140998.6	15338669.3	902.8	40.039	31.160	37.9	50.735	6.8	4.037	0.372	0.395	46.8	0.543	2.6	-0.610	-0.875	55.1	1.067	
1140998.5	15338664.3	903.1	36.565	28.161	37.6	46.153	6.2	3.673	0.327	0.348	46.8	0.478	2.6	-0.578	-0.813	54.6	0.997	
1140998.4	15338659.3	903.6	33.522	25.566	37.3	42.159	5.7	3.355	0.288	0.308	46.8	0.422	2.5	-0.559	-0.768	53.9	0.950	
1140998.3	15338654.3	904.8	30.968	23.424	37.1	38.829	5.1	3.090	0.255	0.272	46.9	0.373	2.4	-0.592	-0.781	52.9	0.980	
1140998.3	15338649.3	905.7	28.588	21.438	36.9	35.733	4.7	2.844	0.226	0.242	46.9	0.331	2.4	-0.588	-0.759	52.2	0.960	
1140998.2	15338644.3	906.1	26.392	19.619	36.6	32.886	4.3	2.617	0.202	0.215	46.9	0.295	2.3	-0.558	-0.712	51.9	0.904	
1140998.1	15338639.3	906.7	24.438	18.019	36.4	30.362	4.0	2.416	0.180	0.192	46.9	0.263	2.2	-0.534	-0.673	51.6	0.859	
1140998.0	15338634.3	907.5	22.698	16.608	36.2	28.125	3.7	2.238	0.161	0.172	46.9	0.236	2.2	-0.517	-0.644	51.2	0.826	
1140997.9	15338629.3	908.3	21.139	15.356	36.0	26.128	3.4	2.079	0.145	0.155	46.9	0.212	2.1	-0.505	-0.621	50.9	0.800	
1140997.8	15338624.3	910.0	19.790	14.286	35.8	24.407	3.1	1.942	0.130	0.139	46.9	0.191	2.0	-0.523	-0.631	50.4	0.819	
1140997.8	15338619.3	910.8	18.499	13.266	35.6	22.764	2.8	1.811	0.118	0.126	46.9	0.173	1.9	-0.506	-0.606	50.1	0.789	
1140997.7	15338614.3	911.1	17.288	12.315	35.5	21.226	2.7	1.689	0.107	0.114	47.0	0.157	1.9	-0.470	-0.561	50.1	0.732	
1140997.6	15338609.3	910.9	16.169	11.443	35.3	19.808	2.5	1.576	0.097	0.104	47.0	0.143	1.8	-0.425	-0.508	50.1	0.662	
1140997.5	15338604.3	910.6	15.148	10.655	35.1	18.520	2.4	1.474	0.089	0.095	47.0	0.130	1.8	-0.381	-0.457	50.1	0.595	
1140997.4	15338599.3	910.3	14.221	9.945	35.0	17.354	2.3	1.381	0.081	0.087	47.1	0.119	1.7	-0.343	-0.412	50.2	0.536	
1140997.3	15338594.3	910.0	13.376	9.302	34.8	16.293	2.2	1.297	0.074	0.080	47.2	0.109	1.7	-0.309	-0.371	50.3	0.483	
1140997.2	15338589.3	909.7	12.604	8.720	34.7	15.326	2.2	1.220	0.068	0.074	47.2	0.101	1.6	-0.278	-0.335	50.3	0.435	
1140997.2	15338584.3	909.2	11.893	8.187	34.5	14.439	2.1	1.149	0.063	0.068	47.3	0.093	1.6	-0.248	-0.301	50.4	0.390	
1140997.1	15338579.3	908.7	11.239	7.700	34.4	13.624	2.0	1.084	0.058	0.063	47.4	0.086	1.6	-0.221	-0.269	50.6	0.348	

Critical Energy/Electric Infrastructure Information (CEII) Has Been Redacted From This Document

PLS-CADD Version 20.01x64 11:43:45 AM Friday, February 28, 2025
Quanta Services - Dashiell
Project Name: 'C:\projects\L72\5269-T0072-700 REV 0-0G PLS CADD MODEL.don'
Line Title: 'L72 EXISTING CONDITIONS - M1'

3D EMF Calculation Notes:
1) Calculations based on the EPRI Red Book methods (3rd Edition, 2005 - 7.4 Calculation of Magnetic Fields and Appendices 7.1 Calculation of Field Ellipse Parameters and 7.6 Electric Field Calculations for 3D Geometry).
2) All wire positions are modeled at the specified weather case and wind direction. Height above ground determined by the modeled ground TIN.
3) Only the effects of wires are being analyzed. The effects of structures are not included unless enabled as noted below.
4) Ground return is being ignored for magnetic field calculations.

Meter height above ground:	3.28 (ft)
Maximum wire distance:	500.00 (ft)
Maximum cable segment size:	5.00 (ft)
Cross section offset +/-:	175.00 (ft)
Result interval:	5.00 (ft)
Electric field limit:	1.60 (kV/m)
Magnetic field limit:	200.00 (mG)
Space potential limit:	0.00 (kV)
Contour Map Spacing:	15 (ft)
Analyzing spans between these structures:	Undefined (#121 in line) - Undefined (#122 in line)

One or more sections have wind from both directions which is not supported. A wind direction of left is being used for those sections.

Section Data for 3D EMF Results:

Section Number	Section Note	Voltage Ph-Ph (kV)	Current (Amps)	Cable Filename	Cable Description	Conductors Per Phase	Bundle Diameter (in)	Cable Radius (in)	Weather Case	Condition	Wind Dir.	WC Temperature (deg F)	Effective Radius (in)
6		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
7		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
8		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
21		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
22		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
23		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
35		230.0	[redacted]	ortolan_acsr.wir	1033.5 kcmil 45/7 Strands ORTOLAN ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.606	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.606
36		230.0	[redacted]	ortolan_acsr.wir	1033.5 kcmil 45/7 Strands ORTOLAN ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.606	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.606
42		230.0	[redacted]	ortolan_acsr.wir	1033.5 kcmil 45/7 Strands ORTOLAN ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.606	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.606

Centerline results between structures Undefined (#121 in line) and Undefined (#122 in line)

3D EMF Point Results Centerline from Undefined (#121 in line) to Undefined (#122 in line):

Measurement X (ft)	Y (ft)	Z (ft)	B Real (mG)	B Imaginary (mG)	B Angle (deg)	B Magnitude (mG)	B Polarization Axial Ratio %	H Magnitude (A/m)	EF Real (kV/m)	EF Imaginary (kV/m)	EF Angle (deg)	EF Magnitude (kV/m)	EF Polarization Axial Ratio %	Space Potential Real (kV)	Space Potential Imaginary (kV)	Space Potential Angle (deg)	Space Potential Magnitude (kV)
1139605.3	15338778.1	1061.6	109.906	69.424	32.3	129.996	27.5	10.345	0.158	0.410	69.0	0.439	20.1	-3.685	-1.631	23.9	4.029
1139610.2	15338778.0	1060.8	111.831	70.886	32.4	132.404	28.1	10.536	0.163	0.425	69.1	0.455	20.4	-3.670	-1.663	24.4	4.029
1139615.2	15338777.9	1060.0	114.633	73.006	32.5	135.907	28.9	10.815	0.173	0.447	68.8	0.479	22.1	-3.676	-1.684	24.6	4.044
1139620.2	15338777.8	1059.2	118.083	75.595	32.6	140.208	29.8	11.157	0.188	0.473	68.3	0.509	24.2	-3.700	-1.700	24.7	4.072
1139625.2	15338777.7	1058.3	121.879	78.416	32.8	144.926	30.6	11.533	0.203	0.502	68.0	0.542	26.0	-3.738	-1.714	24.6	4.112
1139630.2	15338777.6	1057.3	125.247	80.894	32.9	149.099	31.2	11.865	0.213	0.530	68.1	0.571	26.7	-3.788	-1.746	24.7	4.171
1139635.2	15338777.5	1056.1	128.137	82.981	32.9	152.660	31.6	12.148	0.217	0.555	68.7	0.596	26.6	-3.846	-1.790	25.0	4.242
1139640.2	15338777.5	1055.3	132.775	86.321	33.0	158.368	32.3	12.603	0.240	0.585	67.7	0.632	28.6	-3.895	-1.764	24.4	4.276
1139645.2	15338777.4	1054.1	135.379	88.144	33.1	161.545	32.5	12.855	0.243	0.606	68.1	0.653	28.3	-3.951	-1.792	24.4	4.338
1139650.2	15338777.3	1052.4	135.675	88.252	33.0	161.852	32.3	12.880	0.225	0.617	69.9	0.656	25.6	-4.012	-1.877	25.1	4.430
1139655.2	15338777.2	1050.6	135.438	87.971	33.0	161.500	32.1	12.852	0.205	0.623	71.8	0.656	22.6	-4.070	-1.957	25.7	4.516
1139660.2	15338777.1	1048.7	134.165	86.939	32.9	159.870	31.8	12.722	0.179	0.623	74.0	0.648	18.7	-4.127	-2.045	26.4	4.606
1139665.2	15338777.0	1046.0	129.572	83.525	32.8	154.160	30.9	12.268	0.128	0.612	78.2	0.626	10.8	-4.198	-2.226	27.9	4.752
1139670.2	15338777.0	1043.8	127.352	81.857	32.7	151.391	30.5	12.047	0.113	0.604	79.4	0.615	8.6	-4.250	-2.289	28.3	4.827
1139675.2	15338776.9	1042.6	128.702	82.759	32.7	153.014	30.5	12.176	0.124	0.599	78.3	0.612	10.1	-4.267	-2.190	27.2	4.796
1139680.2	15338776.8	1041.9	132.868	85.691	32.8	158.104	31.0	12.582	0.154	0.599	75.5	0.618	14.0	-4.253	-1.972	24.9	4.688
1139685.2	15338776.7	1039.4	128.429	82.452	32.7	152.618	30.3	12.145	0.140	0.576	76.3	0.593	13.7	-4.286	-2.032	25.4	4.743

1139690.2	15338776.6	1037.1	125.517	80.335	32.6	149.024	29.8	11.859	0.149	0.557	75.0	0.576	18.0	-4.294	-2.019	25.2	4.745
1139695.2	15338776.5	1035.5	125.065	79.976	32.6	148.450	29.7	11.813	0.163	0.541	73.3	0.565	21.4	-4.267	-1.907	24.1	4.674
1139700.2	15338776.4	1033.9	124.582	79.600	32.6	147.841	29.5	11.765	0.176	0.524	71.5	0.553	24.9	-4.221	-1.785	22.9	4.583
1139705.2	15338776.4	1032.9	126.369	80.837	32.6	150.012	29.7	11.938	0.187	0.513	69.9	0.546	26.7	-4.139	-1.586	21.0	4.433
1139710.2	15338776.3	1030.6	123.385	78.701	32.5	146.348	29.2	11.646	0.201	0.489	67.7	0.529	32.4	-4.073	-1.527	20.6	4.349
1139715.2	15338776.2	1028.4	120.223	76.457	32.5	142.475	28.8	11.338	0.218	0.465	64.9	0.514	39.2	-3.987	-1.465	20.2	4.247
1139720.2	15338776.1	1026.3	117.948	74.848	32.4	139.692	28.4	11.116	0.234	0.444	62.2	0.501	45.4	-3.874	-1.371	19.5	4.109
1139725.2	15338776.0	1024.7	117.019	74.185	32.4	138.553	28.2	11.026	0.244	0.425	60.1	0.490	50.0	-3.732	-1.235	18.3	3.931
1139730.2	15338775.9	1022.9	115.964	73.437	32.3	137.262	28.1	10.923	0.254	0.406	58.0	0.479	54.8	-3.573	-1.104	17.2	3.739
1139735.2	15338775.8	1021.2	114.843	72.647	32.3	135.892	27.9	10.814	0.263	0.387	55.8	0.468	60.0	-3.396	-0.974	16.0	3.533
1139740.2	15338775.8	1019.5	113.822	71.930	32.3	134.646	27.7	10.715	0.271	0.370	53.7	0.458	65.1	-3.202	-0.844	14.8	3.312
1139745.2	15338775.7	1017.1	110.207	69.427	32.2	130.252	27.2	10.365	0.285	0.345	50.5	0.447	73.9	-2.998	-0.778	14.5	3.097
1139750.2	15338775.6	1015.2	108.420	68.193	32.2	128.082	26.9	10.192	0.291	0.326	48.2	0.438	79.7	-2.774	-0.669	13.6	2.853
1139755.2	15338775.5	1013.1	106.071	66.580	32.1	125.236	26.6	9.966	0.298	0.307	45.9	0.427	85.0	-2.536	-0.574	12.8	2.601
1139760.2	15338775.4	1010.8	103.214	64.629	32.1	121.779	26.1	9.691	0.303	0.286	43.4	0.417	87.5	-2.286	-0.492	12.1	2.339
1139765.2	15338775.3	1008.6	100.491	62.779	32.0	118.489	25.7	9.429	0.304	0.267	41.3	0.405	85.3	-2.027	-0.407	11.4	2.068
1139770.2	15338775.3	1006.3	97.888	61.019	31.9	115.349	25.3	9.179	0.303	0.248	39.4	0.391	81.3	-1.764	-0.321	10.3	1.793
1139775.2	15338775.2	1003.4	93.517	58.084	31.8	110.087	24.7	8.760	0.302	0.226	36.9	0.377	74.9	-1.483	-0.268	10.2	1.507
1139780.2	15338775.1	1000.7	89.931	55.692	31.8	105.779	24.1	8.418	0.296	0.206	34.9	0.361	69.8	-1.207	-0.198	9.3	1.224
1139785.2	15338775.0	998.0	86.350	53.319	31.7	101.485	23.6	8.076	0.287	0.188	33.2	0.343	65.3	-0.934	-0.126	7.7	0.943
1139790.2	15338774.9	995.4	83.478	51.425	31.6	98.047	23.1	7.802	0.274	0.170	31.8	0.322	61.9	-0.678	-0.041	3.5	0.680
1139795.2	15338774.8	992.2	79.148	48.588	31.5	92.872	22.5	7.391	0.263	0.152	30.1	0.304	57.7	-0.408	0.022	-3.1	0.408
1139800.2	15338774.7	989.0	75.250	46.051	31.5	88.223	21.9	7.021	0.250	0.137	28.7	0.285	54.5	-0.154	0.094	-31.5	0.181
1139805.2	15338774.7	985.9	71.652	43.724	31.4	83.939	21.3	6.680	0.236	0.123	27.5	0.266	51.9	0.081	0.172	64.8	0.190
1139810.2	15338774.6	982.6	68.142	41.466	31.3	79.766	20.7	6.348	0.222	0.111	26.6	0.248	49.9	0.300	0.251	40.0	0.391
1139815.2	15338774.5	979.5	65.125	39.536	31.3	76.187	20.2	6.063	0.207	0.100	25.8	0.230	48.2	0.490	0.334	34.3	0.594
1139820.2	15338774.4	975.9	61.495	37.226	31.2	71.885	19.6	5.720	0.198	0.095	25.6	0.219	47.7	0.683	0.410	31.0	0.797
1139825.2	15338774.3	972.6	58.522	35.344	31.1	68.367	19.1	5.440	0.187	0.090	25.6	0.208	47.1	0.841	0.488	30.1	0.973
1139830.2	15338774.2	969.7	56.346	33.972	31.1	65.795	18.7	5.236	0.175	0.082	25.2	0.193	45.8	0.959	0.564	30.5	1.112
1139835.2	15338774.1	967.3	54.745	32.966	31.1	63.905	18.4	5.085	0.161	0.073	24.4	0.177	44.0	1.043	0.633	31.3	1.220
1139840.2	15338774.1	963.8	52.096	31.306	31.0	60.779	18.0	4.837	0.156	0.074	25.4	0.173	44.0	1.148	0.693	31.1	1.341
1139845.2	15338774.0	961.0	50.282	30.174	31.0	58.641	17.6	4.666	0.148	0.071	25.8	0.164	43.3	1.214	0.745	31.5	1.424
1139850.2	15338773.9	958.2	48.526	29.081	30.9	56.573	17.3	4.502	0.141	0.070	26.4	0.157	42.7	1.267	0.788	31.9	1.492
1139855.2	15338773.8	956.0	47.458	28.417	30.9	55.316	17.1	4.402	0.131	0.065	26.3	0.146	42.1	1.289	0.821	32.5	1.528
1139860.2	15338773.7	952.8	45.522	27.218	30.9	53.038	16.8	4.221	0.128	0.068	27.9	0.145	41.8	1.332	0.849	32.5	1.580
1139865.2	15338773.6	950.3	44.284	26.452	30.9	51.583	16.5	4.105	0.122	0.066	28.5	0.139	41.3	1.344	0.869	32.9	1.601
1139870.2	15338773.6	947.5	42.817	25.547	30.8	49.859	16.3	3.968	0.118	0.067	29.6	0.136	40.4	1.359	0.884	33.0	1.621
1139875.2	15338773.5	944.7	41.388	24.668	30.8	48.181	16.0	3.834	0.116	0.068	30.6	0.134	39.1	1.366	0.895	33.2	1.633
1139880.2	15338773.4	941.8	39.995	23.812	30.8	46.547	15.7	3.704	0.114	0.070	31.5	0.134	37.2	1.369	0.903	33.4	1.639
1139885.2	15338773.3	939.3	38.945	23.168	30.7	45.315	15.5	3.606	0.110	0.069	32.0	0.130	35.5	1.355	0.906	33.7	1.630
1139890.2	15338773.2	937.1	38.186	22.704	30.7	44.425	15.3	3.535	0.106	0.066	32.2	0.125	34.0	1.330	0.905	34.2	1.608
1139895.2	15338773.1	934.9	37.438	22.247	30.7	43.549	15.2	3.466	0.102	0.065	32.5	0.120	32.3	1.301	0.902	34.7	1.584
1139900.2	15338773.0	932.8	36.732	21.815	30.7	42.722	15.1	3.400	0.098	0.063	32.8	0.117	30.4	1.269	0.898	35.3	1.555
1139905.2	15338773.0	931.0	36.262	21.528	30.7	42.171	15.0	3.356	0.094	0.061	33.1	0.112	28.8	1.229	0.891	35.9	1.518
1139910.2	15338772.9	929.4	35.939	21.332	30.7	41.793	14.9	3.326	0.089	0.059	33.3	0.107	27.3	1.183	0.881	36.7	1.475
1139915.2	15338772.8	928.1	35.833	21.267	30.7	41.668	14.9	3.316	0.084	0.055	33.4	0.100	26.1	1.131	0.866	37.4	1.425
1139920.2	15338772.7	926.7	35.631	21.144	30.7	41.432	14.8	3.297	0.080	0.053	33.8	0.096	24.7	1.081	0.850	38.2	1.376
1139925.2	15338772.6	924.9	35.201	20.882	30.7	40.928	14.8	3.257	0.078	0.054	34.6	0.095	22.7	1.036	0.835	38.9	1.331
1139930.2	15338772.5	923.3	34.873	20.682	30.7	40.544	14.7	3.226	0.076	0.054	35.4	0.093	20.8	0.988	0.815	39.5	1.281
1139935.2	15338772.4	922.2	34.845	20.665	30.7	40.512	14.7	3.224	0.072	0.052	35.8	0.089	19.5	0.932	0.790	40.3	1.222
1139940.2	15338772.4	920.8	34.699	20.577	30.7	40.342	14.7	3.210	0.070	0.051	36.4	0.087	17.8	0.879	0.763	40.9	1.164
1139945.2	15338772.3	919.4	34.472	20.438	30.7	40.075	14.6	3.189	0.068	0.051	37.1	0.085	15.8	0.827	0.734	41.6	1.106
1139950.2	15338772.2	918.8	34.783	20.628	30.7	40.440	14.7	3.218	0.064	0.049	37.3	0.080	15.2	0.766	0.697	42.3	1.036
1139955.2	15338772.1	918.3	35.138	20.844	30.7	40.855	14.8	3.251	0.060	0.046	37.4	0.075	14.8	0.707	0.658	43.0	0.966
1139960.2	15338772.0	917.1	35.087	20.813	30.7	40.795	14.8	3.246	0.058	0.045	37.9	0.073	13.1	0.653	0.620	43.5	0.900
1139965.2	15338771.9	916.3	35.281	20.931	30.7	41.023	14.8	3.264	0.055	0.043	38.2	0.070	12.2	0.597	0.579	44.1	0.832
1139970.2	15338771.8	914.3	34.659	20.553	30.7	40.295	14.7	3.207	0.056	0.045	38.9	0.072	8.5	0.550	0.540	44.5	0.770
1139975.2	15338771.8	912.7	34.271	20.317	30.7	39.841	14.6	3.170	0.057	0.046	39.1	0.073	6.1	0.500	0.497	44.8	0.705
1139980.2	15338771.7	911.2	33.970	20.134	30.7	39.488	14.5	3.142	0.059	0.047	38.9	0.075	5.6	0.450	0.452	45.1	0.638
1139985.2	15338771.6	910.5	34.186	20.265	30.7	39.741	14.6	3.163	0.057	0.046	39.0	0.073	7.3	0.400	0.406	45.4	0.569
1139990.2	15338771.5	910.2	34.674	20.562	30.7	40.312	14.7	3.208	0.053	0.043	39.4	0.068	9.9	0.351	0.361	45.8	0.504
1139995.2	15338771.4	910.3	35.407	21.009	30.7	41.171	14.9	3.276	0.047	0.040	40.4	0.062	13.3	0.305	0.319	46.3	0.442
1140000.2	15338771.3	908.6	34.962	20.738	30.7	40.650	14.8	3.235	0.053	0.043	39.2	0.069	16.5	0.265	0.272	45.7	0.380
1140005.2	15338771.3	907.2	34.675	20.563	30.7	40.314	14.7	3.208	0.060	0.047	38.0	0.076	19.4	0.229	0.224	44.5	0.320
1140010.2	15338771.2	907.9	35.869	21.291	30.7	41.712	15.0	3.319	0.051	0.042	39.9	0.066	24.9	0.194	0.191	44.6	0.273
1140015.2	15338771.1	910.4	38.348	22.805	30.7	44.616	15.5	3.550	0.029	0.034	49.0	0.045	34.8	0.163	0.175	47.0	0.239
1140020.2	15338771.0	912.7	41.016	24.442	30.8	47.747	16.0	3.800	0.020	0.031	56.9	0.037	41.4	0.135	0.164	50.5	0.212
1140025.2	15338770.9	914.7	43.670	26.077	30.8	50.863	16.5	4.048	0.034	0.036	46.6	0.049	50.1	0.109	0.157	55.1	0.191
1140030.2	15338770.8	915.1	44.916	26.847	30.9	52.328	16.8	4.164	0.038	0.039	45.3	0.055	52.7	0.088	0.139	57.6	0.164
1140035.2	15338770.7	915.2	45.971	27.500	30.9	53.568	17.0	4.263	0.041	0.041	45.0	0.058	55.8	0.070	0.121	60.2	0.140
1140040.2	15338770.7	915.5	47.281	28.313	30.9	55.110	17.3	4.385	0.047	0.045	43.8	0.065	56.4	0.052	0.109	64.3	0.121
1140045.2	15338770.6	915.6	48.357	28.981	30.9	56.376	17.5	4.486	0.050	0.048	43.7	0.070	58.6	0.038	0.096	68.8	0.104
1140050.2	15338770.5	916.1	49.907	29.946	31.0	58.202	17.7	4.632	0.059	0.053	42.1	0.079	56.6	0.022	0.091	76.2	0.094
1140055.2	15338770.4	916.3	51.231	30.773	31.0	59.762	18.0	4.756	0.065	0.057	41.5	0.086	56.5	0.009	0.085	84.2	0.086

1140060.2	15338770.3	916.0	52.031	31.273	31.0	60.706	18.1	4.831	0.065	0.059	42.3	0.088	60.4	-0.002	0.075	-88.3	0.075
1140065.2	15338770.2	915.9	52.955	31.852	31.0	61.796	18.3	4.918	0.067	0.062	42.7	0.091	63.1	-0.013	0.068	-79.2	0.069
1140070.2	15338770.1	916.1	54.375	32.742	31.1	63.472	18.6	5.051	0.074	0.066	42.0	0.099	61.6	-0.026	0.068	-69.4	0.073
1140075.2	15338770.1	916.4	56.037	33.787	31.1	65.435	18.9	5.207	0.083	0.072	40.9	0.110	58.5	-0.039	0.073	-61.7	0.083
1140080.2	15338770.0	916.4	57.205	34.524	31.1	66.815	19.1	5.317	0.088	0.076	40.9	0.116	58.8	-0.051	0.073	-55.2	0.089
1140085.2	15338769.9	915.9	57.489	34.725	31.1	67.163	19.3	5.345	0.087	0.078	41.8	0.117	62.5	-0.045	0.048	-47.0	0.066
1140090.2	15338769.8	915.7	58.484	35.353	31.2	68.339	19.5	5.438	0.090	0.081	42.0	0.121	63.3	-0.056	0.049	-41.2	0.075
1140095.2	15338769.7	915.5	59.431	35.953	31.2	69.459	19.6	5.527	0.092	0.084	42.2	0.125	64.1	-0.067	0.050	-37.0	0.084
1140100.2	15338769.6	915.2	60.218	36.451	31.2	70.391	19.8	5.602	0.093	0.086	42.6	0.127	65.6	-0.076	0.050	-33.5	0.091
1140105.2	15338769.6	914.5	60.529	36.649	31.2	70.759	19.8	5.631	0.090	0.086	43.8	0.124	69.8	-0.083	0.045	-28.4	0.094
1140110.2	15338769.5	914.0	61.083	37.001	31.2	71.416	19.9	5.683	0.089	0.087	44.6	0.124	72.2	-0.091	0.044	-25.8	0.101
1140115.2	15338769.4	913.4	61.545	37.294	31.2	71.962	20.0	5.727	0.087	0.088	45.4	0.124	75.0	-0.097	0.042	-23.4	0.106
1140120.2	15338769.3	912.6	61.638	37.353	31.2	72.073	20.0	5.735	0.082	0.088	47.1	0.120	79.5	-0.101	0.036	-19.6	0.107
1140125.2	15338769.2	911.8	61.663	37.369	31.2	72.102	20.0	5.738	0.076	0.087	49.0	0.115	82.2	-0.104	0.029	-15.8	0.108
1140130.2	15338769.1	910.7	61.322	37.152	31.2	71.699	20.0	5.706	0.066	0.085	52.2	0.108	77.6	-0.103	0.018	-9.7	0.105
1140135.2	15338769.0	909.3	60.397	36.565	31.2	70.603	19.8	5.618	0.051	0.082	58.1	0.097	57.6	-0.098	-0.003	1.9	0.098
1140140.2	15338769.0	907.5	59.057	35.717	31.2	69.018	19.6	5.492	0.035	0.080	66.2	0.088	27.1	-0.089	-0.032	19.6	0.094
1140145.2	15338768.9	905.8	57.750	34.890	31.1	67.471	19.4	5.369	0.031	0.081	68.9	0.086	6.5	-0.078	-0.061	38.2	0.099
1140150.2	15338768.8	906.1	59.397	35.932	31.2	69.420	19.6	5.524	0.033	0.083	68.1	0.089	12.7	-0.084	-0.039	25.0	0.093
1140155.2	15338768.7	907.4	62.522	37.916	31.2	73.120	20.2	5.819	0.052	0.089	59.8	0.103	48.9	-0.100	0.007	-4.3	0.100
1140160.2	15338768.6	908.4	65.478	39.801	31.3	76.625	20.7	6.098	0.075	0.097	52.3	0.123	76.5	-0.114	0.050	-23.9	0.124
1140165.2	15338768.5	908.7	67.369	41.013	31.3	78.871	21.0	6.276	0.089	0.103	49.3	0.136	85.7	-0.120	0.076	-32.4	0.142
1140170.2	15338768.4	908.7	68.754	41.902	31.4	80.516	21.2	6.407	0.098	0.108	47.8	0.146	88.0	-0.122	0.095	-37.7	0.155
1140175.2	15338768.4	908.5	69.822	42.590	31.4	81.786	21.4	6.508	0.103	0.111	47.1	0.152	88.7	-0.122	0.109	-41.6	0.163
1140180.2	15338768.3	908.4	71.010	43.355	31.4	83.199	21.6	6.621	0.111	0.115	46.2	0.160	88.2	-0.122	0.125	-45.7	0.175
1140185.2	15338768.2	908.3	72.217	44.135	31.4	84.636	21.8	6.735	0.118	0.119	45.3	0.168	86.5	-0.123	0.143	-49.4	0.189
1140190.2	15338768.1	908.1	73.412	44.909	31.5	86.059	22.0	6.848	0.126	0.123	44.4	0.176	84.1	-0.123	0.162	-52.8	0.204
1140195.2	15338768.0	907.9	74.503	45.616	31.5	87.359	22.2	6.952	0.133	0.127	43.6	0.183	81.9	-0.123	0.180	-55.6	0.218
1140200.2	15338767.9	907.3	74.721	45.758	31.5	87.618	22.2	6.972	0.132	0.126	43.9	0.182	84.5	-0.117	0.186	-57.8	0.219
1140205.2	15338767.8	906.1	73.956	45.262	31.5	86.707	22.1	6.900	0.121	0.122	45.3	0.172	93.2	-0.103	0.176	-59.7	0.204
1140210.2	15338767.8	905.0	73.189	44.765	31.5	85.794	22.0	6.827	0.111	0.119	46.8	0.163	93.1	-0.089	0.167	-61.9	0.189
1140215.2	15338767.7	903.9	72.447	44.285	31.4	84.910	21.9	6.757	0.102	0.115	48.4	0.154	83.3	-0.076	0.159	-64.5	0.176
1140220.2	15338767.6	902.9	71.870	43.912	31.4	84.223	21.8	6.702	0.095	0.112	49.8	0.147	74.9	-0.065	0.154	-67.1	0.167
1140225.2	15338767.5	902.0	71.514	43.683	31.4	83.800	21.7	6.669	0.091	0.111	50.7	0.143	69.2	-0.057	0.153	-69.6	0.163
1140230.2	15338767.4	901.1	71.147	43.446	31.4	83.364	21.7	6.634	0.087	0.109	51.5	0.139	63.9	-0.049	0.152	-72.0	0.160
1140235.2	15338767.3	900.2	70.770	43.203	31.4	82.915	21.6	6.598	0.083	0.107	52.4	0.135	58.8	-0.042	0.151	-74.3	0.157
1140240.2	15338767.3	899.2	70.226	42.852	31.4	82.268	21.5	6.547	0.078	0.105	53.7	0.131	52.1	-0.035	0.147	-76.8	0.151
1140245.2	15338767.2	898.5	70.083	42.761	31.4	82.098	21.5	6.533	0.076	0.105	54.0	0.129	50.1	-0.031	0.150	-78.5	0.153
1140250.2	15338767.1	898.7	71.751	43.837	31.4	84.082	21.8	6.691	0.090	0.109	50.4	0.141	68.2	-0.044	0.183	-76.6	0.188
1140255.2	15338767.0	898.8	73.334	44.861	31.5	85.967	22.0	6.841	0.104	0.113	47.3	0.154	84.5	-0.056	0.214	-75.4	0.221
1140260.2	15338766.9	898.6	74.218	45.435	31.5	87.021	22.2	6.925	0.113	0.116	45.8	0.162	93.4	-0.061	0.233	-75.3	0.241
1140265.2	15338766.8	898.4	75.147	46.038	31.5	88.128	22.3	7.013	0.122	0.119	44.4	0.170	97.3	-0.067	0.253	-75.2	0.262
1140270.2	15338766.7	897.2	74.055	45.329	31.5	86.827	22.1	6.909	0.112	0.114	45.7	0.160	92.6	-0.055	0.242	-77.2	0.248
1140275.2	15338766.7	894.4	69.901	42.644	31.4	81.882	21.5	6.516	0.076	0.101	53.1	0.126	49.9	-0.015	0.182	-85.4	0.182
1140280.2	15338766.6	892.7	67.923	41.373	31.3	79.532	21.1	6.329	0.063	0.097	56.7	0.116	27.6	0.007	0.155	87.4	0.155
1140285.2	15338766.5	891.3	66.596	40.521	31.3	77.955	20.9	6.203	0.059	0.094	58.1	0.111	12.4	0.023	0.138	80.7	0.140
1140290.2	15338766.4	890.6	66.458	40.433	31.3	77.792	20.9	6.190	0.059	0.094	58.0	0.110	10.6	0.027	0.141	79.3	0.143
1140295.2	15338766.3	889.8	66.147	40.234	31.3	77.422	20.9	6.161	0.058	0.093	58.0	0.110	6.6	0.032	0.139	76.9	0.142
1140300.1	15338766.2	888.6	65.168	39.608	31.3	76.260	20.7	6.069	0.059	0.093	57.7	0.110	10.1	0.045	0.123	70.0	0.131
1140305.1	15338766.1	888.2	65.544	39.849	31.3	76.707	20.8	6.104	0.059	0.093	57.9	0.110	6.8	0.044	0.129	71.3	0.136
1140310.1	15338766.1	888.4	66.803	40.655	31.3	78.201	21.0	6.223	0.059	0.095	57.9	0.112	7.2	0.034	0.146	77.1	0.150
1140315.1	15338766.0	888.4	67.830	41.314	31.3	79.422	21.1	6.320	0.062	0.097	57.5	0.115	16.0	0.026	0.157	80.5	0.159
1140320.1	15338765.9	888.4	68.941	42.028	31.4	80.742	21.3	6.425	0.066	0.100	56.7	0.120	24.5	0.019	0.167	83.5	0.168
1140325.1	15338765.8	888.4	69.964	42.687	31.4	81.958	21.5	6.522	0.070	0.104	56.1	0.125	30.6	0.013	0.174	85.7	0.174
1140330.1	15338765.7	888.3	70.924	43.307	31.4	83.101	21.7	6.613	0.074	0.107	55.6	0.130	35.0	0.008	0.178	87.3	0.178
1140335.1	15338765.6	888.3	71.833	43.893	31.4	84.182	21.8	6.699	0.077	0.111	55.3	0.135	37.8	0.005	0.179	88.5	0.179
1140340.1	15338765.6	888.4	73.150	44.746	31.5	85.751	22.0	6.824	0.083	0.116	54.4	0.143	43.8	-0.002	0.187	-89.4	0.187
1140345.1	15338765.5	888.4	74.293	45.487	31.5	87.113	22.2	6.932	0.088	0.121	53.9	0.150	47.3	-0.006	0.191	-88.1	0.191
1140350.1	15338765.4	888.4	75.393	46.202	31.5	88.423	22.4	7.037	0.093	0.126	53.5	0.157	49.7	-0.010	0.194	-87.1	0.194
1140355.1	15338765.3	888.4	76.502	46.924	31.5	89.746	22.6	7.142	0.098	0.131	53.1	0.163	51.7	-0.013	0.197	-86.3	0.198
1140360.1	15338765.2	888.4	77.608	47.645	31.5	91.066	22.7	7.247	0.103	0.135	52.8	0.170	53.4	-0.015	0.201	-85.6	0.201
1140365.1	15338765.1	888.4	78.746	48.388	31.6	92.425	22.9	7.355	0.108	0.140	52.4	0.176	55.1	-0.018	0.205	-85.0	0.206
1140370.1	15338765.0	888.3	79.700	49.013	31.6	93.564	23.1	7.446	0.111	0.144	52.4	0.182	55.3	-0.019	0.207	-84.8	0.208
1140375.1	15338765.0	888.8	81.807	50.395	31.6	96.083	23.4	7.646	0.124	0.151	50.6	0.195	64.2	-0.032	0.231	-82.1	0.234
1140380.1	15338764.9	889.9	85.738	52.987	31.7	100.790	24.0	8.021	0.153	0.164	47.0	0.224	84.6	-0.065	0.290	-77.4	0.297
1140385.1	15338764.8	890.0	87.339	54.047	31.8	102.709	24.3	8.173	0.162	0.170	46.3	0.235	88.4	-0.074	0.307	-76.4	0.316
1140390.1	15338764.7	889.9	88.263	54.661	31.8	103.818	24.4	8.262	0.165	0.173	46.4	0.239	88.2	-0.077	0.313	-76.1	0.322
1140395.1	15338764.6	888.6	86.122	53.242	31.7	101.250	24.1	8.057	0.141	0.166	49.6	0.218	69.2	-0.049	0.262	-79.4	0.267
1140400.1	15338764.5	886.8	83.031	51.201	31.7	97.549	23.6	7.763	0.112	0.159	54.7	0.194	42.5	-0.009	0.192	-87.3	0.192
1140405.1	15338764.4	886.2	82.682	50.972	31.7	97.131	23.6	7.729	0.106	0.159	56.3	0.191	34.6	-0.000	0.173	-90.0	0.173
1140410.1	15338764.4	886.2	83.564	51.553	31.7	98.187	23.7	7.814	0.108	0.162	56.2	0.195	35.6	-0.006	0.179	-88.1	0.179
1140415.1	15338764.3	886.2	84.716	52.313	31.7	99.566	23.9	7.923	0.112	0.165	55.9	0.200	38.3	-0.015	0.189	-85.3	0.189
1140420.1	15338764.2	886.2	85.889	53.089	31.7	100.972	24.1	8.035	0.116	0.169	55.7	0.205	41.0	-0.025	0.198	-82.7	0.200
1140425.1	15338764.1	886.2	87.034	53.847	31.7	102.344	24.2	8.144	0.119	0.173	55.4	0.211	43.1	-0.035	0.206	-80.4	0.209

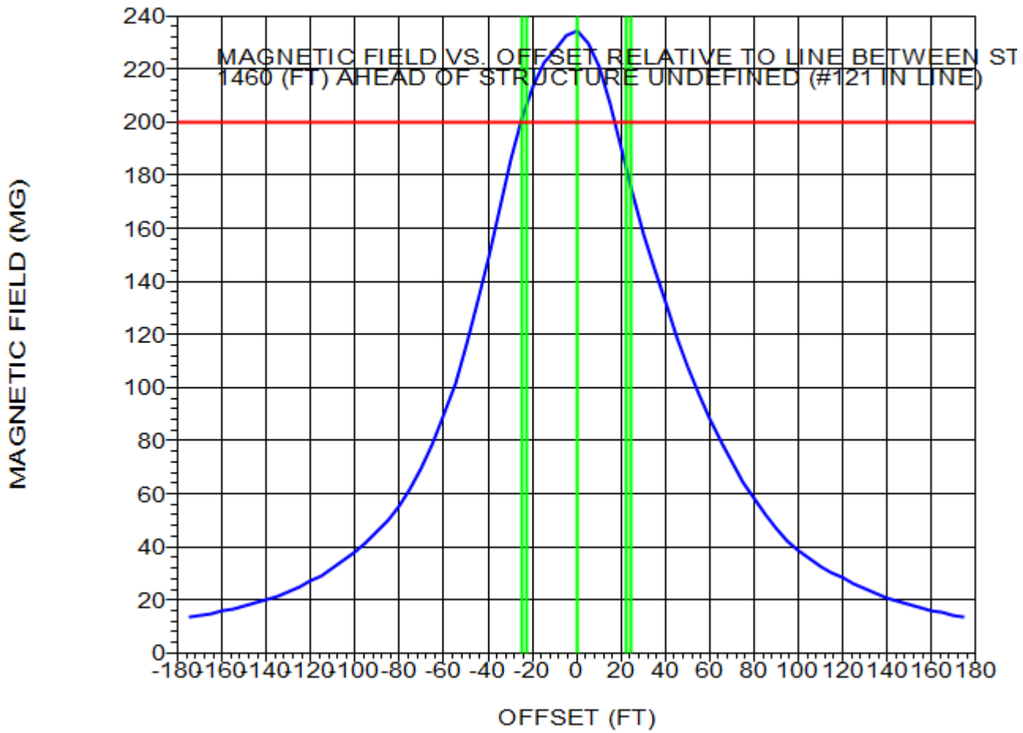
1140430.1	15338764.0	886.3	88.182	54.609	31.8	103.722	24.4	8.254	0.123	0.178	55.3	0.216	44.9	-0.045	0.213	-78.2	0.218
1140435.1	15338763.9	886.3	89.334	55.375	31.8	105.105	24.6	8.364	0.127	0.182	55.1	0.222	46.5	-0.054	0.220	-76.2	0.226
1140440.1	15338763.9	886.3	90.490	56.145	31.8	106.493	24.8	8.474	0.131	0.187	55.0	0.228	47.8	-0.063	0.226	-74.4	0.234
1140445.1	15338763.8	886.2	91.479	56.805	31.8	107.681	24.9	8.569	0.133	0.192	55.2	0.233	47.8	-0.070	0.227	-73.0	0.238
1140450.1	15338763.7	886.3	92.599	57.554	31.9	109.028	25.1	8.676	0.137	0.196	55.1	0.239	48.5	-0.077	0.231	-71.5	0.244
1140455.1	15338763.6	886.1	93.280	58.010	31.9	109.847	25.2	8.741	0.137	0.200	55.6	0.243	46.5	-0.079	0.226	-70.6	0.240
1140460.1	15338763.5	886.3	94.849	59.064	31.9	111.736	25.4	8.892	0.144	0.206	55.1	0.252	49.4	-0.091	0.239	-69.1	0.256
1140465.1	15338763.4	886.3	95.906	59.774	31.9	113.008	25.6	8.993	0.147	0.211	55.2	0.257	49.3	-0.096	0.241	-68.2	0.259
1140470.1	15338763.3	886.2	96.851	60.411	32.0	114.148	25.7	9.084	0.149	0.216	55.3	0.262	48.5	-0.100	0.240	-67.5	0.260
1140475.1	15338763.3	886.2	97.807	61.056	32.0	115.300	25.9	9.175	0.151	0.220	55.5	0.267	47.8	-0.103	0.240	-66.9	0.261
1140480.1	15338763.2	886.2	98.949	61.828	32.0	116.677	26.1	9.285	0.155	0.225	55.4	0.274	48.0	-0.107	0.244	-66.2	0.266
1140485.1	15338763.1	886.2	100.248	62.708	32.0	118.245	26.3	9.410	0.160	0.231	55.2	0.281	48.9	-0.113	0.251	-65.7	0.275
1140490.1	15338763.0	886.3	101.540	63.585	32.1	119.806	26.5	9.534	0.165	0.237	55.0	0.289	49.7	-0.119	0.258	-65.2	0.284
1140495.1	15338762.9	886.3	102.601	64.306	32.1	121.088	26.6	9.636	0.169	0.242	55.1	0.295	49.4	-0.122	0.260	-64.9	0.288
1140500.1	15338762.8	886.3	103.655	65.025	32.1	122.363	26.8	9.737	0.172	0.246	55.1	0.301	49.1	-0.124	0.263	-64.7	0.291
1140505.1	15338762.7	886.3	104.702	65.740	32.1	123.630	26.9	9.838	0.175	0.251	55.1	0.306	48.8	-0.127	0.266	-64.5	0.294
1140510.1	15338762.7	886.3	105.753	66.459	32.1	124.902	27.1	9.939	0.179	0.256	55.2	0.312	48.5	-0.129	0.269	-64.4	0.298
1140515.1	15338762.6	886.3	106.797	67.174	32.2	126.166	27.2	10.040	0.182	0.261	55.2	0.318	48.3	-0.131	0.272	-64.2	0.302
1140520.1	15338762.5	886.2	107.449	67.621	32.2	126.957	27.3	10.103	0.182	0.265	55.5	0.322	46.4	-0.129	0.267	-64.2	0.296
1140525.1	15338762.4	886.3	108.878	68.603	32.2	128.689	27.5	10.241	0.189	0.271	55.2	0.330	47.9	-0.136	0.279	-64.1	0.311
1140530.1	15338762.3	886.3	109.924	69.324	32.2	129.958	27.7	10.342	0.192	0.276	55.2	0.336	47.7	-0.139	0.284	-64.0	0.316
1140535.1	15338762.2	886.3	110.960	70.039	32.3	131.216	27.8	10.442	0.195	0.281	55.2	0.342	47.6	-0.141	0.289	-63.9	0.321
1140540.1	15338762.1	886.3	111.985	70.748	32.3	132.461	28.0	10.541	0.199	0.286	55.2	0.348	47.5	-0.144	0.294	-63.8	0.327
1140545.1	15338762.1	886.3	112.999	71.450	32.3	133.693	28.1	10.639	0.202	0.290	55.2	0.354	47.5	-0.147	0.299	-63.8	0.333
1140550.1	15338762.0	886.3	114.000	72.144	32.3	134.910	28.3	10.736	0.205	0.295	55.2	0.359	47.4	-0.150	0.304	-63.7	0.339
1140555.1	15338761.9	886.3	114.985	72.829	32.3	136.109	28.4	10.831	0.208	0.300	55.2	0.365	47.3	-0.153	0.309	-63.7	0.345
1140560.1	15338761.8	886.3	115.938	73.493	32.4	137.269	28.6	10.924	0.212	0.304	55.2	0.370	47.1	-0.156	0.314	-63.6	0.350
1140565.1	15338761.7	886.0	115.749	73.361	32.4	137.039	28.5	10.905	0.206	0.306	56.0	0.369	43.0	-0.144	0.292	-63.8	0.325
1140570.1	15338761.6	886.1	117.120	74.318	32.4	138.709	28.7	11.038	0.212	0.311	55.7	0.377	44.5	-0.152	0.307	-63.6	0.342
1140575.1	15338761.6	886.1	117.925	74.880	32.4	139.690	28.9	11.116	0.215	0.316	55.8	0.382	44.0	-0.153	0.308	-63.6	0.344
1140580.1	15338761.5	886.3	119.590	76.045	32.5	141.720	29.1	11.278	0.223	0.322	55.3	0.392	46.5	-0.165	0.331	-63.5	0.370
1140585.1	15338761.4	886.1	119.683	76.111	32.5	141.835	29.1	11.287	0.221	0.325	55.8	0.393	43.7	-0.157	0.315	-63.6	0.352
1140590.1	15338761.3	886.1	120.289	76.537	32.5	142.574	29.2	11.346	0.222	0.329	56.0	0.396	42.7	-0.155	0.313	-63.7	0.349
1140595.1	15338761.2	886.2	121.647	77.491	32.5	144.232	29.4	11.478	0.228	0.334	55.7	0.405	44.2	-0.163	0.328	-63.6	0.367
1140600.1	15338761.1	886.2	122.661	78.205	32.5	145.471	29.5	11.576	0.233	0.339	55.5	0.411	44.7	-0.167	0.336	-63.6	0.375
1140605.1	15338761.0	886.3	123.716	78.950	32.5	146.761	29.7	11.679	0.238	0.344	55.4	0.418	45.3	-0.171	0.346	-63.6	0.386
1140610.1	15338761.0	886.3	124.451	79.469	32.6	147.660	29.8	11.750	0.240	0.348	55.4	0.423	45.0	-0.172	0.348	-63.7	0.388
1140615.1	15338760.9	886.3	125.126	79.947	32.6	148.486	29.9	11.816	0.242	0.352	55.5	0.427	44.6	-0.172	0.350	-63.8	0.390
1140620.1	15338760.8	886.3	125.907	80.501	32.6	149.442	30.0	11.892	0.245	0.356	55.4	0.432	44.7	-0.174	0.355	-63.9	0.395
1140625.1	15338760.7	886.3	126.666	81.039	32.6	150.372	30.1	11.966	0.248	0.360	55.4	0.437	44.7	-0.176	0.360	-64.0	0.401
1140630.1	15338760.6	886.3	127.408	81.567	32.6	151.281	30.2	12.039	0.251	0.363	55.4	0.441	44.9	-0.178	0.366	-64.0	0.408
1140635.1	15338760.5	886.4	128.205	82.134	32.6	152.258	30.3	12.116	0.254	0.367	55.3	0.446	45.2	-0.182	0.375	-64.1	0.417
1140640.1	15338760.4	886.3	128.775	82.540	32.7	152.957	30.4	12.172	0.256	0.369	55.3	0.449	45.1	-0.184	0.379	-64.1	0.421
1140645.1	15338760.4	886.3	129.320	82.929	32.7	153.626	30.5	12.225	0.258	0.372	55.3	0.452	45.0	-0.186	0.383	-64.2	0.426
1140650.1	15338760.3	886.3	129.921	83.358	32.7	154.364	30.6	12.284	0.260	0.374	55.3	0.456	45.1	-0.189	0.390	-64.2	0.433
1140655.1	15338760.2	886.3	130.158	83.527	32.7	154.654	30.6	12.307	0.259	0.376	55.4	0.457	44.3	-0.187	0.388	-64.2	0.431
1140660.1	15338760.1	886.0	129.266	82.891	32.7	153.560	30.5	12.220	0.251	0.374	56.2	0.451	40.4	-0.170	0.358	-64.6	0.397
1140665.1	15338760.0	886.0	129.760	83.243	32.7	154.166	30.5	12.268	0.253	0.376	56.1	0.453	40.5	-0.173	0.364	-64.5	0.403
1140670.1	15338759.9	886.0	130.217	83.570	32.7	154.727	30.6	12.313	0.254	0.379	56.1	0.456	40.5	-0.176	0.368	-64.5	0.408
1140675.1	15338759.9	885.9	130.486	83.762	32.7	155.057	30.6	12.339	0.254	0.380	56.2	0.458	40.1	-0.176	0.368	-64.5	0.408
1140680.1	15338759.8	886.0	131.340	84.373	32.7	156.105	30.8	12.422	0.259	0.384	56.0	0.463	41.3	-0.184	0.383	-64.3	0.425
1140685.1	15338759.7	886.1	132.152	84.955	32.7	157.104	30.9	12.502	0.263	0.387	55.8	0.468	42.5	-0.192	0.397	-64.2	0.441
1140690.1	15338759.6	886.1	132.511	85.213	32.7	157.545	30.9	12.537	0.264	0.389	55.8	0.470	42.4	-0.194	0.400	-64.1	0.444
1140695.1	15338759.5	886.1	132.839	85.449	32.8	157.949	31.0	12.569	0.265	0.391	55.8	0.472	42.4	-0.195	0.402	-64.1	0.447
1140700.1	15338759.4	886.1	133.138	85.663	32.8	158.315	31.0	12.598	0.266	0.392	55.8	0.474	42.3	-0.196	0.405	-64.2	0.450
1140705.1	15338759.3	886.1	133.405	85.855	32.8	158.644	31.1	12.624	0.267	0.393	55.8	0.476	42.2	-0.197	0.408	-64.2	0.453
1140710.1	15338759.3	886.1	133.641	86.025	32.8	158.935	31.1	12.648	0.268	0.394	55.8	0.477	42.0	-0.197	0.410	-64.4	0.455
1140715.1	15338759.2	886.1	133.846	86.173	32.8	159.187	31.1	12.668	0.268	0.395	55.8	0.478	41.9	-0.197	0.413	-64.5	0.457
1140720.1	15338759.1	886.2	134.020	86.298	32.8	159.401	31.1	12.685	0.269	0.396	55.8	0.479	41.8	-0.196	0.415	-64.7	0.459
1140725.1	15338759.0	886.1	133.894	86.208	32.8	159.247	31.1	12.672	0.268	0.396	56.0	0.478	40.9	-0.192	0.411	-65.0	0.453
1140730.1	15338758.9	886.1	133.850	86.176	32.8	159.193	31.1	12.668	0.267	0.396	56.0	0.478	40.3	-0.188	0.409	-65.2	0.450
1140735.1	15338758.8	886.2	134.424	86.589	32.8	159.898	31.2	12.724	0.270	0.398	55.8	0.481	41.5	-0.194	0.423	-65.3	0.465
1140740.1	15338758.7	886.6	136.402	88.016	32.8	162.334	31.5	12.918	0.284	0.403	54.8	0.494	46.4	-0.220	0.473	-65.0	0.521
1140745.1	15338758.7	886.2	134.673	86.769	32.8	160.205	31.2	12.749	0.272	0.399	55.7	0.482	41.6	-0.195	0.430	-65.7	0.472
1140750.1	15338758.6	886.3	134.740	86.817	32.8	160.288	31.2	12.755	0.272	0.399	55.7	0.483	41.7	-0.195	0.434	-65.8	0.476
1140755.1	15338758.5	886.3	134.853	86.899	32.8	160.426	31.2	12.766	0.273	0.399	55.6	0.483	42.0	-0.196	0.440	-66.0	0.481
1140760.1	15338758.4	886.3	134.895	86.929	32.8	160.479	31.3	12.770	0.273	0.398	55.6	0.483	42.2	-0.197	0.445	-66.2	0.487
1140765.1	15338758.3	886.3	134.881	86.919	32.8	160.461	31.2	12.769	0.273	0.397	55.5	0.482	42.3	-0.197	0.450	-66.3	0.492
1140770.1	15338758.2	886.3	134.573	86.698	32.8	160.083	31.2	12.739	0.270	0.395	55.6	0.479	41.7	-0.194	0.450	-66.7	0.490
1140775.1	15338758.1	886.3	134.303	86.504	32.8	159.750	31.2	12.712	0.269	0.393	55.7	0.476	41.3	-0.191	0.451	-67.0	0.490
1140780.1	15338758.1	886.3	134.264	86.476	32.8	159.703	31.2	12.709	0.268	0.392	55.6	0.475	41.6	-0.192	0.459	-67.3	0.498
1140785.1	15338758.0	886.3	133.935	86.239	32.8	159.298	31.1	12.676	0.266	0.389	55.6	0.471	41.1	-0.189	0.461	-67.7	0.498
1140790.1	15338757.9	886.3	133.425	85.873	32.8	158.671	31.0	12.627	0.263	0.386	55.7	0.467	40.1	-0.182	0.458	-68.3	0.493
1140795.1	15338757.8	886.2	132.886	85.486	32.8	158.008	31.0	12.574	0.259	0.382	55.9	0.462	39.1	-0.174	0.455	-69.0	0.487

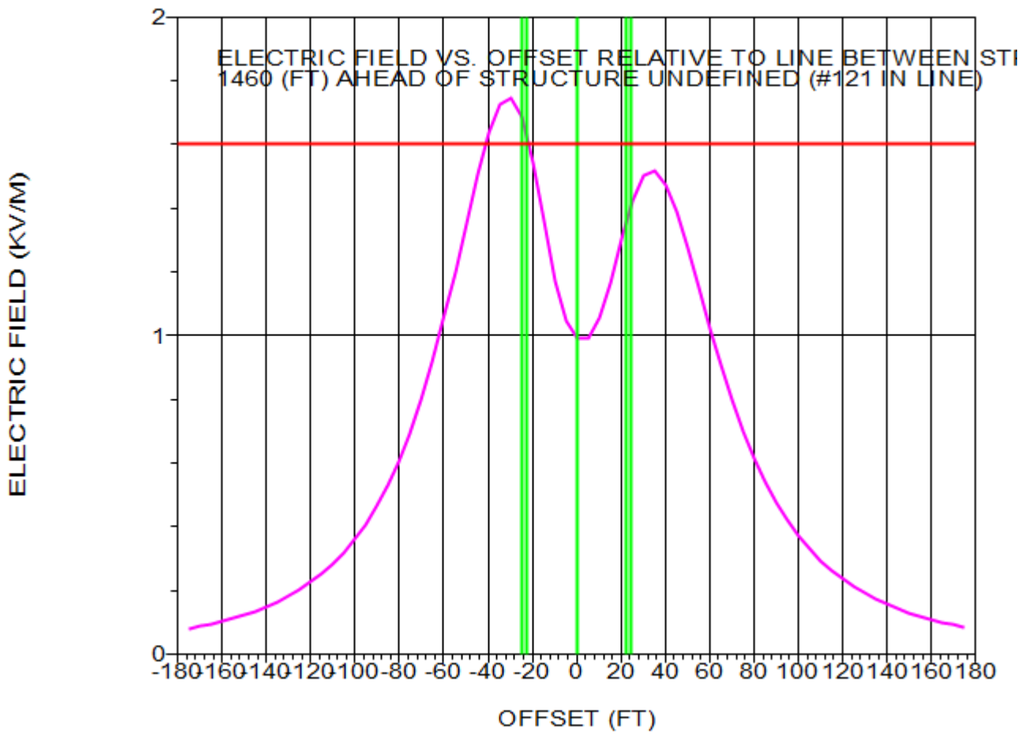
1140800.1	15338757.7	886.2	132.268	85.043	32.7	157.249	30.9	12.513	0.255	0.379	56.0	0.457	37.8	-0.165	0.449	-69.8	0.478	
1140805.1	15338757.6	886.2	131.978	84.836	32.7	156.892	30.8	12.485	0.254	0.376	56.0	0.454	37.4	-0.159	0.450	-70.5	0.477	
1140810.1	15338757.6	886.2	131.571	84.545	32.7	156.393	30.8	12.445	0.252	0.374	56.0	0.451	36.6	-0.150	0.447	-71.4	0.471	
1140815.1	15338757.5	886.2	131.112	84.216	32.7	155.829	30.7	12.400	0.250	0.371	56.0	0.447	35.4	-0.139	0.440	-72.4	0.461	
1140820.1	15338757.4	886.2	130.658	83.892	32.7	155.272	30.6	12.356	0.248	0.369	56.1	0.445	34.1	-0.127	0.430	-73.5	0.449	
1140825.1	15338757.3	886.2	130.306	83.641	32.7	154.840	30.6	12.322	0.247	0.368	56.2	0.443	32.9	-0.115	0.420	-74.6	0.436	
1140830.1	15338757.2	886.2	129.661	83.181	32.7	154.049	30.5	12.259	0.244	0.367	56.4	0.440	30.6	-0.099	0.399	-76.1	0.411	
1140835.1	15338757.1	886.1	128.829	82.588	32.7	153.029	30.4	12.178	0.240	0.366	56.8	0.438	27.5	-0.078	0.368	-78.0	0.376	
1140840.1	15338757.0	886.3	129.068	82.698	32.6	153.289	30.3	12.198	0.240	0.368	56.9	0.439	26.3	-0.071	0.355	-78.6	0.362	
1140845.1	15338757.0	886.9	131.289	84.282	32.7	156.013	30.6	12.415	0.252	0.375	56.1	0.452	31.5	-0.097	0.392	-76.1	0.403	
1140850.1	15338756.9	887.2	132.062	84.835	32.7	156.963	30.7	12.491	0.256	0.380	56.0	0.458	32.2	-0.101	0.389	-75.4	0.402	
1140855.1	15338756.8	887.7	133.558	85.907	32.7	158.801	30.9	12.637	0.264	0.387	55.7	0.469	34.6	-0.118	0.400	-73.5	0.417	
1140860.1	15338756.7	887.9	133.660	85.979	32.8	158.926	30.9	12.647	0.263	0.391	56.0	0.471	33.0	-0.116	0.373	-72.8	0.391	
1140865.1	15338756.6	888.7	137.023	88.401	32.8	163.064	31.4	12.976	0.282	0.403	55.0	0.492	39.8	-0.164	0.426	-68.9	0.456	
1140870.1	15338756.5	888.9	137.007	88.388	32.8	163.044	31.4	12.975	0.279	0.407	55.6	0.494	37.6	-0.164	0.391	-67.3	0.424	
1140875.1	15338756.4	888.9	136.177	87.789	32.8	162.022	31.3	12.893	0.271	0.409	56.5	0.491	33.2	-0.153	0.332	-65.3	0.366	
1140880.1	15338756.4	889.3	137.313	88.608	32.8	163.421	31.4	13.005	0.275	0.417	56.6	0.499	33.7	-0.175	0.321	-61.4	0.366	
1140885.1	15338756.3	890.1	140.019	90.568	32.9	166.757	31.8	13.270	0.287	0.428	56.1	0.515	37.9	-0.222	0.348	-57.4	0.413	
1140890.1	15338756.2	890.6	141.636	91.743	32.9	168.753	32.0	13.429	0.293	0.436	56.1	0.526	39.2	-0.256	0.343	-53.3	0.428	
1140895.1	15338756.1	891.0	142.527	92.392	33.0	169.853	32.1	13.516	0.294	0.443	56.5	0.532	38.6	-0.281	0.316	-48.4	0.423	
1140900.1	15338756.0	891.3	142.935	92.689	33.0	170.358	32.2	13.557	0.290	0.450	57.2	0.535	36.6	-0.300	0.272	-42.2	0.405	
1140905.1	15338755.9	891.4	142.151	92.116	32.9	169.388	32.1	13.479	0.279	0.454	58.4	0.533	31.7	-0.304	0.190	-32.0	0.358	
1140910.1	15338755.9	891.5	141.518	91.653	32.9	168.605	32.0	13.417	0.270	0.461	59.6	0.534	26.9	-0.311	0.103	-18.3	0.328	
1140915.1	15338755.8	891.9	142.324	92.240	32.9	169.601	32.1	13.496	0.269	0.472	60.4	0.543	25.2	-0.341	0.047	-7.8	0.344	
1140920.1	15338755.7	892.6	145.051	94.233	33.0	172.973	32.5	13.765	0.277	0.490	60.5	0.562	27.6	-0.399	0.034	-4.9	0.400	
1140925.1	15338755.6	893.4	147.880	96.311	33.1	176.478	32.9	14.044	0.286	0.509	60.7	0.584	29.7	-0.458	0.017	-2.2	0.458	
1140930.1	15338755.5	894.1	150.301	98.099	33.1	179.482	33.2	14.283	0.293	0.529	61.0	0.604	30.4	-0.509	-0.018	2.0	0.509	
1140935.1	15338755.4	894.9	152.925	100.044	33.2	182.743	33.6	14.542	0.301	0.550	61.3	0.627	31.3	-0.561	-0.054	5.5	0.564	
1140940.1	15338755.3	895.4	154.348	101.103	33.2	184.513	33.8	14.683	0.302	0.569	62.1	0.645	29.6	-0.593	-0.130	12.4	0.608	
1140945.1	15338755.3	896.5	159.355	104.852	33.3	190.756	34.5	15.180	0.326	0.599	61.4	0.682	34.4	-0.673	-0.107	9.0	0.682	
1140950.1	15338755.2	897.5	163.108	107.686	33.4	195.450	35.0	15.553	0.344	0.626	61.2	0.714	36.5	-0.731	-0.123	9.5	0.741	
1140955.1	15338755.1	898.2	165.850	109.768	33.5	198.885	35.3	15.827	0.355	0.651	61.4	0.742	36.8	-0.770	-0.171	12.5	0.789	
1140960.1	**15338755.0**	**898.7**	**167.288**	**110.863**	**33.5**	**200.689**	**35.5**	**15.970**	**0.359**	**0.674**	**61.9**	**0.763**	**35.2**	**-0.786**	**-0.261**	**18.4**	**0.828**	**BF exceeds limit NG**
1140965.1	**15338754.9**	**899.4**	**169.402**	**112.480**	**33.6**	**203.344**	**35.8**	**16.182**	**0.369**	**0.698**	**62.1**	**0.790**	**34.8**	**-0.807**	**-0.332**	**22.4**	**0.873**	**BF exceeds limit NG**
1140970.1	**15338754.8**	**900.3**	**173.526**	**115.654**	**33.7**	**208.535**	**36.4**	**16.595**	**0.395**	**0.729**	**61.6**	**0.829**	**37.5**	**-0.853**	**-0.339**	**21.6**	**0.918**	**BF exceeds limit NG**
1140975.1	**15338754.7**	**901.3**	**178.058**	**119.171**	**33.8**	**214.257**	**37.0**	**17.050**	**0.425**	**0.761**	**60.8**	**0.872**	**40.9**	**-0.904**	**-0.326**	**19.8**	**0.961**	**BF exceeds limit NG**
1140980.1	**15338754.7**	**902.1**	**181.180**	**121.610**	**33.9**	**218.209**	**37.5**	**17.365**	**0.447**	**0.788**	**60.4**	**0.906**	**42.4**	**-0.934**	**-0.350**	**20.6**	**0.998**	**BF exceeds limit NG**
1140985.1	**15338754.6**	**903.0**	**185.580**	**125.075**	**34.0**	**223.794**	**38.1**	**17.809**	**0.479**	**0.817**	**59.6**	**0.947**	**45.8**	**-0.985**	**-0.322**	**18.1**	**1.037**	**BF exceeds limit NG**
1140990.0	**15338754.5**	**903.7**	**188.304**	**127.234**	**34.0**	**227.260**	**38.4**	**18.085**	**0.498**	**0.839**	**59.3**	**0.976**	**47.3**	**-1.016**	**-0.333**	**18.2**	**1.069**	**BF exceeds limit NG**
1140995.0	**15338754.4**	**904.5**	**191.058**	**129.427**	**34.1**	**230.769**	**38.8**	**18.364**	**0.518**	**0.857**	**58.9**	**1.002**	**49.2**	**-1.053**	**-0.328**	**17.3**	**1.102**	**BF exceeds limit NG**
1141000.0	**15338754.3**	**905.1**	**193.328**	**131.245**	**34.2**	**233.669**	**39.1**	**18.595**	**0.534**	**0.871**	**58.5**	**1.022**	**50.8**	**-1.089**	**-0.321**	**16.4**	**1.135**	**BF exceeds limit NG**
1141005.0	**15338754.2**	**905.3**	**192.033**	**130.205**	**34.1**	**232.012**	**38.9**	**18.463**	**0.520**	**0.870**	**59.1**	**1.014**	**48.9**	**-1.079**	**-0.414**	**21.0**	**1.156**	**BF exceeds limit NG**
1141010.0	**15338754.1**	**905.5**	**190.748**	**129.176**	**34.1**	**230.371**	**38.8**	**18.332**	**0.506**	**0.866**	**59.7**	**1.003**	**47.2**	**-1.076**	**-0.492**	**24.6**	**1.183**	**BF exceeds limit NG**
1141015.0	**15338754.1**	**905.8**	**189.984**	**128.565**	**34.1**	**229.396**	**38.6**	**18.255**	**0.495**	**0.861**	**60.1**	**0.994**	**46.3**	**-1.086**	**-0.538**	**26.4**	**1.213**	**BF exceeds limit NG**
1141020.0	**15338754.0**	**905.8**	**187.309**	**126.435**	**34.0**	**225.988**	**38.3**	**17.984**	**0.468**	**0.850**	**61.1**	**0.970**	**43.2**	**-1.072**	**-0.637**	**30.7**	**1.247**	**BF exceeds limit NG**
1141025.0	**15338753.9**	**905.6**	**183.188**	**123.177**	**33.9**	**220.749**	**37.7**	**17.567**	**0.432**	**0.833**	**62.6**	**0.938**	**38.3**	**-1.038**	**-0.777**	**36.8**	**1.297**	**BF exceeds limit NG**
1141030.0	**15338753.8**	**905.4**	**179.155**	**120.014**	**33.8**	**215.638**	**37.1**	**17.160**	**0.397**	**0.819**	**64.1**	**0.910**	**33.1**	**-1.002**	**-0.909**	**42.2**	**1.353**	**BF exceeds limit NG**
1141035.0	**15338753.7**	**905.7**	**178.559**	**119.548**	**33.8**	**214.884**	**37.0**	**17.100**	**0.390**	**0.815**	**64.5**	**0.904**	**32.2**	**-1.009**	**-0.916**	**42.2**	**1.363**	**BF exceeds limit NG**
1141040.0	**15338753.6**	**906.1**	**178.615**	**119.591**	**33.8**	**214.954**	**37.0**	**17.106**	**0.389**	**0.814**	**64.5**	**0.902**	**32.3**	**-1.016**	**-0.895**	**41.4**	**1.354**	**BF exceeds limit NG**
1141045.0	**15338753.6**	**907.1**	**182.561**	**122.680**	**33.9**	**219.952**	**37.6**	**17.503**	**0.419**	**0.823**	**63.0**	**0.924**	**37.8**	**-1.066**	**-0.730**	**34.4**	**1.292**	**BF exceeds limit NG**
1141050.0	**15338753.5**	**908.1**	**186.666**	**125.920**	**34.0**	**225.166**	**38.1**	**17.918**	**0.456**	**0.833**	**61.3**	**0.949**	**43.5**	**-1.106**	**-0.553**	**26.5**	**1.236**	**BF exceeds limit NG**
1141055.0	**15338753.4**	**909.2**	**191.130**	**129.472**	**34.1**	**230.854**	**38.8**	**18.371**	**0.500**	**0.842**	**59.3**	**0.979**	**49.9**	**-1.142**	**-0.354**	**17.2**	**1.195**	**BF exceeds limit NG**
1141060.0	**15338753.3**	**909.8**	**192.968**	**130.944**	**34.2**	**233.202**	**39.0**	**18.558**	**0.525**	**0.840**	**58.0**	**0.990**	**53.7**	**-1.134**	**-0.229**	**11.4**	**1.157**	**BF exceeds limit NG**
1141065.0	**15338753.2**	**910.4**	**193.779**	**131.595**	**34.2**	**234.238**	**39.1**	**18.640**	**0.544**	**0.831**	**56.8**	**0.993**	**57.0**	**-1.107**	**-0.123**	**6.3**	**1.114**	**BF exceeds limit NG**
1141070.0	**15338753.1**	**910.3**	**189.952**	**128.532**	**34.1**	**229.352**	**38.6**	**18.251**	**0.527**	**0.802**	**56.7**	**0.959**	**55.9**	**-1.013**	**-0.149**	**8.4**	**1.024**	**BF exceeds limit NG**
1141075.0	**15338753.0**	**910.2**	**185.491**	**124.989**	**34.0**	**223.672**	**38.0**	**17.799**	**0.506**	**0.767**	**56.6**	**0.919**	**54.4**	**-0.907**	**-0.179**	**11.2**	**0.925**	**BF exceeds limit NG**
1141080.0	**15338753.0**	**909.9**	**180.132**	**120.775**	**33.8**	**216.874**	**37.2**	**17.258**	**0.480**	**0.728**	**56.6**	**0.872**	**52.0**	**-0.788**	**-0.225**	**15.9**	**0.819**	**BF exceeds limit NG**
1141085.0	**15338752.9**	**909.3**	**173.513**	**115.628**	**33.7**	**208.510**	**36.3**	**16.593**	**0.446**	**0.684**	**56.9**	**0.817**	**47.7**	**-0.649**	**-0.299**	**24.7**	**0.715**	**BF exceeds limit NG**
1141090.0	**15338752.8**	**908.8**	**167.022**	**110.644**	**33.5**	**200.346**	**35.4**	**15.943**	**0.414**	**0.641**	**57.2**	**0.763**	**43.0**	**-0.515**	**-0.362**	**35.1**	**0.629**	**BF exceeds limit NG**
1141095.0	15338752.7	908.2	160.320	105.562	33.4	191.953	34.5	15.275	0.383	0.599	57.4	0.711	37.2	-0.379	-0.429	48.5	0.573	
1141100.0	15338752.6	908.6	160.178	105.456	33.4	191.775	34.4	15.261	0.393	0.576	55.7	0.698	41.9	-0.358	-0.301	40.0	0.468	
1141105.0	15338752.5	908.3	155.505	101.951	33.2	185.945	33.8	14.797	0.373	0.543	55.5	0.659	38.4	-0.271	-0.318	49.6	0.418	
1141110.0	15338752.4	908.3	152.555	99.756	33.2	182.275	33.4	14.505	0.363	0.518	55.0	0.633	37.5	-0.222	-0.296	53.2	0.370	
1141115.0	15338752.4	908.3	149.848	97.751	33.1	178.913	33.0	14.237	0.353	0.496	54.6	0.609	36.7	-0.188	-0.283	56.4	0.340	
1141120.0	15338752.3	908.2	146.295	95.135	33.0	174.508	32.5	13.887	0.337	0.476	54.7	0.583	33.5	-0.151	-0.311	64.2	0.346	
1141125.0	15338752.2	908.0	142.830	92.601	33.0	170.222	32.0	13.546	0.320	0.459	55.1	0.560	30.0	-0.127	-0.357	70.5	0.379	
1141130.0	15338752.1	908.1	140.407	90.838	32.9	167.229	31.7	13.308	0.308	0.451	55.7	0.546	28.4	-0.133	-0.396	71.4	0.418	
1141135.0	15338752.0	908.1	137.735	88.905	32.8	163.936	31.3	13.046	0.293	0.446	56.7	0.534	25.9	-0.147	-0.466	72.5	0.489	
1141140.0	15338751.9	908.3	136.310	87.879	32.8	162.183	31.1	12.906	0.283	0.448	57.7	0.530	25.9	-0.195	-0.524	69.5	0.559	
1141145.0	15338751.9	908.9	136.630	88.114	32.8	162.579	31.1	12.938	0.280	0.458	58.6	0.537	29.1	-0.284	-0.552	62.8	0.621	
1141150.0	15338751.8	909.7	137.605	88.823	32.8	163.782	31.3	13.033	0.279	0.473	59.4	0.549	32.8	-0.392	-0.579	55.9	0.699	
1141155.0	15338751.7	910.9	140.760	91.117	32.9	167.677	31.7	13.343	0.291	0.494	59.5	0.573	39.9	-0.541	-0.553	45.6	0.774	
1141160.0	15338751.6	911.7	141.841	91.911	32.9	169.016	31.9	13.450	0.291	0.510	60.3	0.587	42.2	-0.663	-0.592	41.8	0.889	
1141165.0	15338751.5	912.5	142.712	92.554	33.0	170.097	32.0	13.536	0.290	0.525	61.1	0.600	43.6	-0.786	-0.639	39.1	1.013	

1141170.0	15338751.4	913.2	143.614	93.221	33.0	171.217	32.2	13.625	0.289	0.539	61.8	0.612	44.6	-0.913	-0.682	36.7	1.140
1141175.0	15338751.3	914.2	145.663	94.733	33.0	173.758	32.5	13.827	0.298	0.555	61.8	0.630	47.5	-1.057	-0.684	32.9	1.259
1141180.0	15338751.3	915.1	146.897	95.651	33.1	175.293	32.6	13.949	0.301	0.567	62.0	0.641	48.9	-1.192	-0.702	30.5	1.383
1141185.0	15338751.2	915.7	147.057	95.782	33.1	175.499	32.7	13.966	0.295	0.573	62.7	0.645	48.5	-1.315	-0.742	29.4	1.510
1141190.0	15338751.1	916.2	146.429	95.334	33.1	174.729	32.6	13.904	0.284	0.575	63.7	0.641	47.1	-1.430	-0.795	29.1	1.636
1141195.0	15338751.0	916.6	145.144	94.405	33.0	173.145	32.5	13.778	0.267	0.573	65.0	0.633	44.7	-1.539	-0.858	29.1	1.762
1141200.0	15338750.9	917.0	143.701	93.365	33.0	171.368	32.3	13.637	0.250	0.569	66.3	0.622	42.3	-1.648	-0.914	29.0	1.885
1141205.0	15338750.8	917.3	142.061	92.185	33.0	169.350	32.1	13.476	0.230	0.563	67.8	0.609	39.6	-1.756	-0.965	28.8	2.004
1141210.0	15338750.7	917.7	140.642	91.172	33.0	167.608	31.9	13.338	0.213	0.557	69.1	0.596	37.4	-1.865	-0.998	28.1	2.115
1141215.0	15338750.7	918.4	140.891	91.379	33.0	167.929	32.0	13.363	0.212	0.554	69.1	0.593	37.9	-1.984	-0.967	26.0	2.207
1141220.0	15338750.6	919.0	140.594	91.191	33.0	167.579	32.0	13.335	0.207	0.549	69.4	0.586	37.6	-2.092	-0.946	24.3	2.296
1141225.0	15338750.5	919.0	137.057	88.649	32.9	163.228	31.5	12.989	0.171	0.533	72.3	0.560	32.0	-2.175	-1.018	25.1	2.402
1141230.0	15338750.4	918.9	133.182	85.881	32.8	158.470	31.1	12.611	0.131	0.517	75.7	0.534	25.4	-2.252	-1.095	25.9	2.504
1141235.0	15338750.3	919.1	130.659	84.102	32.8	155.386	30.8	12.365	0.107	0.504	78.0	0.516	21.3	-2.326	-1.122	25.8	2.583
1141240.0	15338750.2	919.3	128.273	82.431	32.7	152.476	30.5	12.134	0.087	0.492	80.0	0.500	17.6	-2.388	-1.140	25.5	2.646
1141245.0	15338750.2	919.6	126.383	81.123	32.7	150.179	30.3	11.951	0.075	0.481	81.1	0.487	15.4	-2.435	-1.138	25.0	2.688
1141250.0	15338750.1	920.0	124.735	79.993	32.7	148.181	30.1	11.792	0.071	0.471	81.4	0.477	14.7	-2.465	-1.124	24.5	2.709
1141255.0	15338750.0	920.5	123.546	79.197	32.7	146.751	30.1	11.678	0.077	0.463	80.5	0.469	16.1	-2.477	-1.091	23.8	2.706
1141260.0	15338749.9	920.9	121.909	78.086	32.6	144.773	29.9	11.521	0.082	0.453	79.8	0.460	17.4	-2.469	-1.069	23.4	2.691
1141265.0	15338749.8	921.4	120.406	77.076	32.6	142.962	29.8	11.377	0.090	0.443	78.5	0.453	19.6	-2.445	-1.038	23.0	2.656
1141270.0	15338749.7	921.8	118.818	76.008	32.6	141.050	29.7	11.224	0.099	0.433	77.1	0.445	22.2	-2.403	-1.005	22.7	2.605
1141275.0	15338749.6	922.4	117.383	75.050	32.6	139.325	29.6	11.087	0.111	0.423	75.4	0.438	25.5	-2.348	-0.963	22.3	2.538
1141280.0	15338749.6	923.1	116.768	74.673	32.6	138.603	29.7	11.030	0.130	0.415	72.6	0.435	30.5	-2.282	-0.890	21.3	2.449
1141285.0	15338749.5	923.3	113.814	72.630	32.5	135.014	29.3	10.744	0.128	0.399	72.3	0.419	31.5	-2.204	-0.885	21.9	2.375
1141290.0	15338749.4	923.8	112.072	71.439	32.5	132.904	29.1	10.576	0.136	0.386	70.5	0.410	34.9	-2.120	-0.839	21.6	2.280
1141295.0	15338749.3	924.0	108.866	69.198	32.4	128.997	28.6	10.265	0.132	0.368	70.3	0.391	35.5	-2.029	-0.834	22.3	2.194
1141300.0	15338749.2	924.4	106.520	67.547	32.4	126.131	28.2	10.037	0.133	0.351	69.2	0.376	37.8	-1.937	-0.802	22.5	2.096
1141305.0	15338749.1	924.8	104.413	66.042	32.3	123.546	27.8	9.831	0.136	0.335	67.9	0.361	40.5	-1.845	-0.763	22.5	1.997
1141310.0	15338749.0	925.4	102.948	64.959	32.3	121.729	27.4	9.687	0.142	0.320	66.1	0.350	44.2	-1.758	-0.710	22.0	1.896
1141315.0	15338749.0	925.6	100.442	63.133	32.2	118.635	26.7	9.441	0.136	0.302	65.8	0.332	44.9	-1.670	-0.694	22.6	1.809
1141320.0	15338748.9	925.9	98.581	61.747	32.1	116.322	26.1	9.257	0.132	0.287	65.3	0.316	45.9	-1.591	-0.670	22.8	1.726
1141325.0	15338748.8	926.3	97.350	60.800	32.0	114.777	25.5	9.134	0.130	0.276	64.8	0.305	47.0	-1.520	-0.641	22.9	1.650
1141330.0	15338748.7	926.7	96.715	60.285	31.9	113.965	25.2	9.069	0.129	0.268	64.4	0.298	48.0	-1.459	-0.612	22.7	1.582
1141335.0	15338748.6	927.3	97.408	60.710	31.9	114.778	25.2	9.134	0.136	0.268	63.1	0.300	50.7	-1.412	-0.562	21.7	1.520

Max BF along centerline is 234.238 (mG) at 1460.000 (ft) from structure Undefined (#121 in line)

Cross section results at max BF along centerline between structures Undefined (#121 in line) and Undefined (#122 in line)


MAGNETIC FIELD VS. OFFSET RELATIVE TO LINE BETWEEN ST
1460 (FT) AHEAD OF STRUCTURE UNDEFINED (#121 IN LINE)
MAGNETIC FIELD (MG)
240
220
200
180
160
140
120
100
80
60
40
20
0
-180 -160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 160 180
OFFSET (FT)



3D EMF Point Results Span from Undefined (#121 in line) to Undefined (#122 in line):

Measurement			B					H	EF					Space Potential			
X (ft)	Y (ft)	Z (ft)	Real (mG)	Imaginary (mG)	Angle (deg)	Magnitude (mG)	Polarization Axial Ratio %	Magnitude (A/m)	Real (kV/m)	Imaginary (kV/m)	Angle (deg)	Magnitude (kV/m)	Polarization Axial Ratio %	Real (kV)	Imaginary (kV)	Angle (deg)	Magnitude (kV)
1141068.0	15338928.2	907.2	12.076	5.802	25.7	13.398	2.1	1.066	0.078	0.017	12.6	0.080	2.6	0.059	-0.031	-27.8	0.067
1141067.9	15338923.2	907.1	12.775	6.107	25.6	14.160	2.2	1.127	0.084	0.019	12.7	0.087	2.6	0.060	-0.034	-29.4	0.069
1141067.8	15338918.2	906.6	13.522	6.432	25.4	14.974	2.4	1.192	0.092	0.021	12.7	0.094	2.6	0.053	-0.038	-36.0	0.065
1141067.8	15338913.2	905.6	14.306	6.772	25.3	15.827	2.5	1.260	0.100	0.023	12.8	0.103	2.6	0.028	-0.047	-59.3	0.055
1141067.7	15338908.2	904.8	15.164	7.141	25.2	16.761	2.7	1.334	0.109	0.025	12.9	0.112	2.6	0.004	-0.057	-85.9	0.057
1141067.6	15338903.2	904.0	16.098	7.540	25.1	17.776	2.9	1.415	0.120	0.028	13.0	0.123	2.5	-0.023	-0.067	70.7	0.071
1141067.5	15338898.2	903.5	17.133	7.978	25.0	18.899	3.1	1.504	0.131	0.030	13.0	0.135	2.5	-0.046	-0.077	58.8	0.089
1141067.4	15338893.2	902.8	18.253	8.449	24.8	20.114	3.3	1.601	0.145	0.034	13.1	0.149	2.5	-0.079	-0.089	48.3	0.119
1141067.3	15338888.2	903.1	19.574	8.996	24.7	21.542	3.5	1.714	0.160	0.037	13.1	0.164	2.4	-0.073	-0.093	51.9	0.118
1141067.3	15338883.2	903.6	21.059	9.602	24.5	23.145	3.7	1.842	0.177	0.041	13.2	0.182	2.4	-0.056	-0.095	59.6	0.110
1141067.2	15338878.2	904.4	22.765	10.288	24.3	24.982	3.8	1.988	0.197	0.046	13.2	0.202	2.3	-0.013	-0.091	82.1	0.092
1141067.1	15338873.2	905.2	24.684	11.049	24.1	27.044	4.0	2.152	0.219	0.051	13.2	0.225	2.3	0.040	-0.086	-64.7	0.095
1141067.0	15338868.2	906.0	26.852	11.898	23.9	29.370	4.3	2.337	0.245	0.058	13.2	0.252	2.2	0.106	-0.078	-36.4	0.131
1141066.9	15338863.2	906.7	29.289	12.837	23.7	31.978	4.5	2.545	0.275	0.065	13.2	0.282	2.2	0.174	-0.070	-21.9	0.188
1141066.8	15338858.2	906.9	31.945	13.854	23.4	34.820	4.9	2.771	0.309	0.073	13.2	0.318	2.1	0.213	-0.070	-18.2	0.224
1141066.7	15338853.2	907.0	34.925	14.982	23.2	38.002	5.2	3.024	0.350	0.082	13.2	0.359	2.0	0.246	-0.073	-16.5	0.256
1141066.7	15338848.2	906.9	38.266	16.233	23.0	41.567	5.7	3.308	0.397	0.093	13.2	0.408	2.0	0.268	-0.078	-16.3	0.280
1141066.6	15338843.2	906.9	42.065	17.639	22.7	45.614	6.2	3.630	0.452	0.106	13.2	0.464	1.9	0.293	-0.085	-16.2	0.305
1141066.5	15338838.2	906.8	46.381	19.221	22.5	50.206	6.8	3.995	0.516	0.121	13.2	0.530	1.8	0.314	-0.093	-16.5	0.328
1141066.4	15338833.2	906.7	51.306	21.010	22.3	55.441	7.4	4.412	0.591	0.138	13.2	0.607	1.7	0.335	-0.103	-17.0	0.351
1141066.3	15338828.2	907.1	57.299	23.139	22.0	61.795	8.1	4.918	0.677	0.159	13.2	0.696	1.6	0.450	-0.091	-11.4	0.459
1141066.2	15338823.2	907.8	64.564	25.665	21.7	69.478	8.9	5.529	0.778	0.184	13.3	0.799	1.4	0.659	-0.058	-5.0	0.661

1141066.1	15338818.2	908.2	72.804	28.530	21.4	78.194	9.8	6.222	0.893	0.213	13.4	0.918	1.2	0.846	-0.030	-2.0	0.847	
1141066.1	15338813.2	909.0	83.138	32.037	21.1	89.097	10.8	7.090	1.022	0.248	13.6	1.052	0.9	1.204	0.041	1.9	1.205	
1141066.0	15338808.2	909.8	95.355	36.176	20.8	101.987	12.0	8.116	1.164	0.289	14.0	1.199	0.5	1.617	0.130	4.6	1.622	
1141065.9	15338803.2	910.4	109.260	40.991	20.6	116.696	13.5	9.286	1.311	0.340	14.5	1.354	0.2	2.008	0.227	6.4	2.021	
1141065.8	15338798.2	910.6	123.947	46.430	20.5	132.358	15.2	10.533	1.452	0.400	15.4	1.506	1.0	2.250	0.304	7.7	2.271	
1141065.7	**15338793.2**	**910.8**	**139.933**	**52.827**	**20.7**	**149.573**	**17.3**	**11.903**	**1.567**	**0.473**	**16.8**	**1.637**	**2.1**	**2.445**	**0.396**	**9.2**	**2.477**	**EF exceeds limit NG**
1141065.6	**15338788.2**	**910.9**	**156.561**	**60.336**	**21.1**	**167.785**	**19.8**	**13.352**	**1.632**	**0.560**	**18.9**	**1.725**	**3.7**	**2.545**	**0.505**	**11.2**	**2.594**	**EF exceeds limit NG**
1141065.5	**15338783.2**	**911.1**	**172.800**	**69.105**	**21.8**	**186.106**	**22.7**	**14.810**	**1.619**	**0.659**	**22.1**	**1.747**	**6.2**	**2.498**	**0.625**	**14.0**	**2.575**	**EF exceeds limit NG**
1141065.5	**15338778.2**	**911.0**	**185.707**	**78.752**	**23.0**	**201.715**	**26.0**	**16.052**	**1.501**	**0.765**	**27.0**	**1.685**	**9.6**	**2.165**	**0.697**	**17.8**	**2.274**	**BF and EF exceed limits NG**
1141065.4	**15338773.2**	**910.8**	**194.395**	**89.126**	**24.6**	**213.852**	**29.4**	**17.018**	**1.276**	**0.867**	**34.2**	**1.543**	**14.3**	**1.612**	**0.704**	**23.6**	**1.759**	**BF exceeds limit NG**
1141065.3	**15338768.2**	**910.6**	**199.072**	**100.086**	**26.7**	**222.816**	**32.9**	**17.731**	**0.972**	**0.946**	**44.2**	**1.356**	**21.3**	**0.946**	**0.641**	**34.1**	**1.143**	**BF exceeds limit NG**
1141065.2	**15338763.2**	**910.3**	**198.754**	**110.516**	**29.1**	**227.414**	**35.9**	**18.097**	**0.639**	**0.977**	**56.8**	**1.168**	**30.4**	**0.217**	**0.445**	**64.0**	**0.495**	**BF exceeds limit NG**
1141065.1	**15338758.2**	**910.4**	**198.287**	**122.106**	**31.6**	**232.868**	**38.3**	**18.531**	**0.451**	**0.945**	**64.5**	**1.048**	**44.6**	**-0.453**	**0.249**	**-28.8**	**0.517**	**BF exceeds limit NG**
1141065.0	**15338753.2**	**910.4**	**193.779**	**131.595**	**34.2**	**234.238**	**39.1**	**18.640**	**0.544**	**0.831**	**56.8**	**0.993**	**57.0**	**-1.107**	**-0.123**	**6.3**	**1.114**	**BF exceeds limit NG**
1141065.0	**15338748.2**	**910.1**	**184.875**	**136.497**	**36.4**	**229.805**	**38.0**	**18.287**	**0.762**	**0.637**	**39.9**	**0.993**	**55.4**	**-1.621**	**-0.678**	**22.7**	**1.757**	**BF exceeds limit NG**
1141064.9	**15338743.2**	**909.6**	**173.609**	**136.688**	**38.2**	**220.961**	**35.4**	**17.584**	**0.969**	**0.416**	**23.2**	**1.055**	**40.4**	**-1.929**	**-1.275**	**33.5**	**2.312**	**BF exceeds limit NG**
1141064.8	**15338738.2**	**908.7**	**159.530**	**130.820**	**39.4**	**206.310**	**32.0**	**16.418**	**1.121**	**0.310**	**15.4**	**1.163**	**23.4**	**-1.935**	**-1.773**	**42.5**	**2.625**	**BF exceeds limit NG**
1141064.7	15338733.2	907.8	145.527	122.257	40.0	190.066	28.5	15.125	1.217	0.464	20.9	1.302	11.9	-1.775	-2.046	49.1	2.709	
1141064.6	15338728.2	907.0	131.917	112.138	40.4	173.139	25.3	13.778	1.254	0.675	28.3	1.425	5.4	-1.516	-2.094	54.1	2.585	
1141064.5	15338723.2	906.4	119.789	102.389	40.5	157.585	22.4	12.540	1.243	0.841	34.1	1.500	2.9	-1.309	-2.024	57.1	2.410	
1141064.4	15338718.2	906.5	109.711	94.109	40.6	144.544	19.9	11.502	1.192	0.937	38.2	1.516	2.3	-1.276	-1.999	57.5	2.371	
1141064.4	15338713.2	906.6	100.121	85.781	40.6	131.843	17.7	10.492	1.112	0.967	41.0	1.473	2.2	-1.266	-1.964	57.2	2.337	
1141064.3	15338708.2	906.8	90.739	77.292	40.4	119.196	15.7	9.485	1.015	0.944	42.9	1.386	2.2	-1.222	-1.883	57.0	2.244	
1141064.2	15338703.2	907.0	82.034	69.303	40.2	107.389	13.9	8.546	0.911	0.888	44.3	1.272	2.3	-1.182	-1.795	56.6	2.149	
1141064.1	15338698.2	907.8	74.699	62.638	40.0	97.486	12.3	7.758	0.809	0.815	45.2	1.148	2.2	-1.252	-1.815	55.4	2.205	
1141064.0	15338693.2	908.5	67.820	56.342	39.7	88.170	10.9	7.016	0.713	0.734	45.8	1.023	2.3	-1.285	-1.799	54.5	2.211	
1141063.9	15338688.2	909.5	61.635	50.701	39.4	79.809	9.7	6.351	0.626	0.653	46.2	0.905	2.3	-1.317	-1.788	53.6	2.221	
1141063.8	15338683.2	909.9	55.650	45.223	39.1	71.708	8.7	5.706	0.548	0.577	46.5	0.796	2.3	-1.248	-1.674	53.3	2.088	
1141063.8	15338678.2	910.4	50.289	40.362	38.8	64.483	7.8	5.131	0.479	0.508	46.7	0.698	2.4	-1.165	-1.548	53.1	1.938	
1141063.7	15338673.2	910.7	45.503	36.072	38.4	58.066	7.0	4.621	0.419	0.447	46.8	0.613	2.4	-1.070	-1.415	52.9	1.774	
1141063.6	15338668.2	910.7	41.207	32.263	38.1	52.334	6.4	4.165	0.368	0.393	46.9	0.538	2.4	-0.958	-1.265	52.9	1.587	
1141063.5	15338663.2	910.0	37.188	28.732	37.7	46.995	5.9	3.740	0.324	0.346	46.9	0.474	2.4	-0.781	-1.051	53.4	1.309	
1141063.4	15338658.2	909.3	33.724	25.738	37.4	42.423	5.5	3.376	0.286	0.306	46.9	0.419	2.4	-0.635	-0.872	53.9	1.079	
1141063.3	15338653.2	909.5	30.915	23.361	37.1	38.749	5.1	3.084	0.254	0.271	46.9	0.371	2.4	-0.582	-0.795	53.8	0.986	
1141063.2	15338648.2	910.1	28.515	21.360	36.8	35.628	4.6	2.835	0.225	0.241	46.9	0.330	2.3	-0.568	-0.761	53.3	0.949	
1141063.2	15338643.2	910.8	26.362	19.583	36.6	32.840	4.3	2.613	0.200	0.215	47.0	0.294	2.3	-0.551	-0.727	52.8	0.912	
1141063.1	15338638.2	911.8	24.475	18.044	36.4	30.407	3.9	2.420	0.179	0.192	47.0	0.262	2.2	-0.553	-0.714	52.3	0.903	
1141063.0	15338633.2	912.9	22.777	16.672	36.2	28.227	3.5	2.246	0.160	0.172	47.0	0.235	2.2	-0.554	-0.703	51.7	0.895	
1141062.9	15338628.2	913.8	21.209	15.413	36.0	26.218	3.2	2.086	0.144	0.154	47.0	0.211	2.1	-0.540	-0.676	51.4	0.865	
1141062.8	15338623.2	913.7	19.717	14.222	35.8	24.311	3.0	1.935	0.130	0.139	47.0	0.191	2.0	-0.490	-0.614	51.4	0.786	
1141062.7	15338618.2	913.5	18.357	13.146	35.6	22.579	2.9	1.797	0.118	0.126	47.0	0.173	2.0	-0.437	-0.550	51.5	0.703	
1141062.7	15338613.2	913.2	17.132	12.186	35.4	21.024	2.7	1.673	0.107	0.115	47.1	0.157	2.0	-0.391	-0.494	51.6	0.630	
1141062.6	15338608.2	912.9	16.025	11.326	35.3	19.623	2.6	1.562	0.097	0.105	47.1	0.143	1.9	-0.351	-0.444	51.7	0.566	
1141062.5	15338603.2	912.6	15.016	10.549	35.1	18.352	2.5	1.460	0.089	0.096	47.2	0.130	1.9	-0.312	-0.398	51.9	0.506	
1141062.4	15338598.2	912.2	14.102	9.851	34.9	17.202	2.4	1.369	0.081	0.088	47.2	0.119	1.8	-0.280	-0.358	52.0	0.455	
1141062.3	15338593.2	911.9	13.268	9.218	34.8	16.156	2.3	1.286	0.074	0.081	47.3	0.110	1.8	-0.251	-0.323	52.1	0.409	
1141062.2	15338588.2	912.2	12.529	8.663	34.7	15.233	2.2	1.212	0.068	0.074	47.4	0.101	1.8	-0.240	-0.306	52.0	0.389	
1141062.1	15338583.2	914.1	11.894	8.192	34.6	14.442	2.0	1.149	0.063	0.068	47.4	0.093	1.7	-0.257	-0.322	51.3	0.412	
1141062.1	15338578.2	915.8	11.296	7.749	34.4	13.698	1.8	1.090	0.058	0.063	47.5	0.085	1.6	-0.268	-0.330	50.9	0.425	

Critical Energy/Electric Infrastructure Information (CEII) Has Been Redacted From This Document

PLS-CADD Version 20.01x64 11:47:53 AM Friday, February 28, 2025
Quanta Services - Dashiell
Project Name: 'C:\projects\L72\5269-T0072-700 REV 0-0G PLS CADD MODEL.don'
Line Title: 'L72 EXISTING CONDITIONS - M1'

3D EMF Calculation Notes:
1) Calculations based on the EPRI Red Book methods (3rd Edition, 2005 - 7.4 Calculation of Magnetic Fields and Appendices 7.1 Calculation of Field Ellipse Parameters and 7.6 Electric Field Calculations for 3D Geometry).
2) All wire positions are modeled at the specified weather case and wind direction. Height above ground determined by the modeled ground TIN.
3) Only the effects of wires are being analyzed. The effects of structures are not included unless enabled as noted below.
4) Ground return is being ignored for magnetic field calculations.

Meter height above ground:	3.28 (ft)
Maximum wire distance:	500.00 (ft)
Maximum cable segment size:	5.00 (ft)
Cross section offset +/-:	175.00 (ft)
Result interval:	5.00 (ft)
Electric field limit:	1.60 (kV/m)
Magnetic field limit:	200.00 (mG)
Space potential limit:	0.00 (kV)
Contour Map Spacing:	15 (ft)
Analyzing spans between these structures:	Undefined (#135 in line) - Undefined (#136 in line)

One or more sections have wind from both directions which is not supported. A wind direction of left is being used for those sections.

Section Data for 3D EMF Results:

Section Number	Section Note	Voltage Ph-Ph (kV)	Current (Amps)	Cable Filename	Cable Description	Conductors Per Phase	Bundle Diameter (in)	Cable Radius (in)	Weather Case	Condition	Wind Dir.	WC Temperature (deg F)	Effective Radius (in)
8		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
23		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
36		230.0	[redacted]	ortolan_acsr.wir	1033.5 kcmil 45/7 Strands ORTOLAN ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.606	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.606

Centerline results between structures Undefined (#135 in line) and Undefined (#136 in line)

3D EMF Point Results Centerline from Undefined (#135 in line) to Undefined (#136 in line):

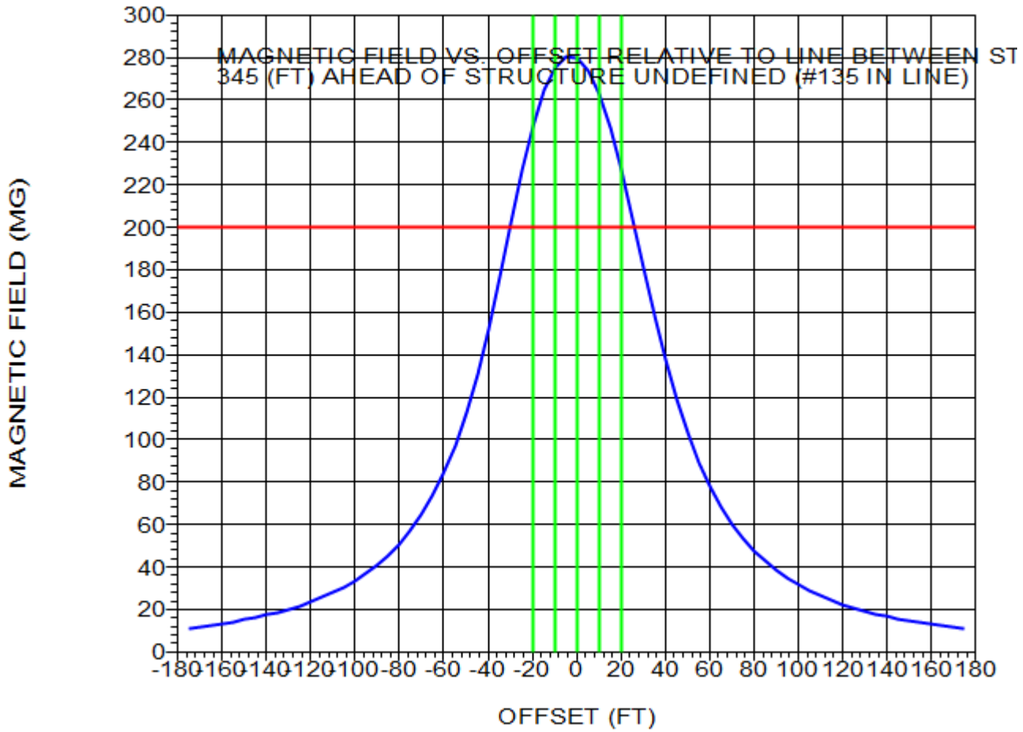
Measurement X (ft)	Measurement Y (ft)	Measurement Z (ft)	B Real (mG)	B Imaginary (mG)	B Angle (deg)	B Magnitude (mG)	B Polarization Axial Ratio %	H Magnitude (A/m)	EF Real (kV/m)	EF Imaginary (kV/m)	EF Angle (deg)	EF Magnitude (kV/m)	EF Polarization Axial Ratio %	Space Potential Real (kV)	Space Potential Imaginary (kV)	Space Potential Angle (deg)	Space Potential Magnitude (kV)
1150992.9	15335780.8	1089.9	98.294	60.342	31.5	115.338	22.5	9.178	0.109	0.178	58.4	0.209	41.6	-1.168	-0.471	22.0	1.259
1150997.1	15335778.2	1089.7	97.079	59.561	31.5	113.894	22.3	9.063	0.088	0.170	62.7	0.192	38.6	-1.155	-0.475	22.3	1.249
1151001.4	15335775.6	1090.1	97.828	60.060	31.5	114.794	22.4	9.135	0.085	0.171	63.6	0.191	39.0	-1.145	-0.455	21.7	1.232
1151005.6	15335772.9	1090.5	98.889	60.762	31.6	116.065	22.5	9.236	0.082	0.173	64.7	0.192	39.2	-1.138	-0.436	21.0	1.219
1151009.9	15335770.3	1090.9	100.289	61.684	31.6	117.740	22.7	9.369	0.080	0.178	65.9	0.195	39.1	-1.134	-0.420	20.3	1.210
1151014.1	15335767.7	1091.3	101.999	62.810	31.6	119.786	22.9	9.532	0.078	0.184	67.1	0.200	38.6	-1.135	-0.406	19.7	1.205
1151018.4	15335765.0	1091.7	104.028	64.147	31.7	122.216	23.2	9.726	0.076	0.193	68.4	0.208	37.7	-1.138	-0.397	19.2	1.205
1151022.6	15335762.4	1092.1	106.368	65.692	31.7	125.018	23.4	9.949	0.076	0.205	69.5	0.218	36.5	-1.144	-0.392	18.9	1.209
1151026.9	15335759.8	1092.5	108.984	67.423	31.7	128.154	23.8	10.198	0.078	0.219	70.5	0.232	35.2	-1.152	-0.393	18.8	1.217
1151031.1	15335757.1	1092.9	111.827	69.311	31.8	131.565	24.1	10.470	0.080	0.236	71.3	0.249	33.8	-1.161	-0.401	19.0	1.228
1151035.4	15335754.5	1093.3	114.880	71.346	31.8	135.232	24.5	10.761	0.083	0.256	72.0	0.269	32.4	-1.170	-0.414	19.5	1.241
1151039.6	15335751.9	1093.9	118.784	73.961	31.9	139.928	25.0	11.135	0.096	0.280	71.2	0.296	33.8	-1.182	-0.419	19.5	1.254
1151043.9	15335749.2	1095.1	126.031	78.853	32.0	148.666	25.8	11.830	0.142	0.314	65.6	0.345	45.4	-1.205	-0.369	17.0	1.261
1151048.1	15335746.6	1096.0	131.969	82.899	32.1	155.846	26.5	12.402	0.174	0.344	63.2	0.386	50.5	-1.226	-0.340	15.5	1.273
1151052.4	15335744.0	1096.9	138.928	87.682	32.3	164.284	27.4	13.073	0.215	0.378	60.4	0.435	56.7	-1.255	-0.290	13.0	1.288
1151056.6	15335741.3	1097.2	142.649	90.258	32.3	168.806	27.8	13.433	0.222	0.400	61.0	0.457	55.4	-1.271	-0.296	13.1	1.305
1151060.9	15335738.7	1097.7	147.374	93.550	32.4	174.559	28.3	13.891	0.237	0.424	60.8	0.486	55.9	-1.295	-0.280	12.2	1.325
1151065.1	15335736.0	1098.1	151.867	96.700	32.5	180.040	28.9	14.327	0.250	0.448	60.9	0.513	55.6	-1.322	-0.266	11.4	1.349
1151069.4	15335733.4	1098.2	154.991	98.902	32.5	183.858	29.2	14.631	0.247	0.466	62.1	0.528	52.4	-1.346	-0.279	11.7	1.374
1151073.6	15335730.8	1098.4	158.407	101.322	32.6	188.040	29.6	14.964	0.246	0.486	63.1	0.545	49.5	-1.375	-0.287	11.8	1.404
1151077.9	15335728.1	1098.3	160.433	102.762	32.6	190.523	29.9	15.161	0.231	0.504	65.3	0.554	43.5	-1.397	-0.329	13.2	1.435
1151082.1	15335725.5	1098.3	162.821	104.465	32.7	193.452	30.1	15.394	0.220	0.525	67.3	0.569	38.0	-1.422	-0.370	14.6	1.470

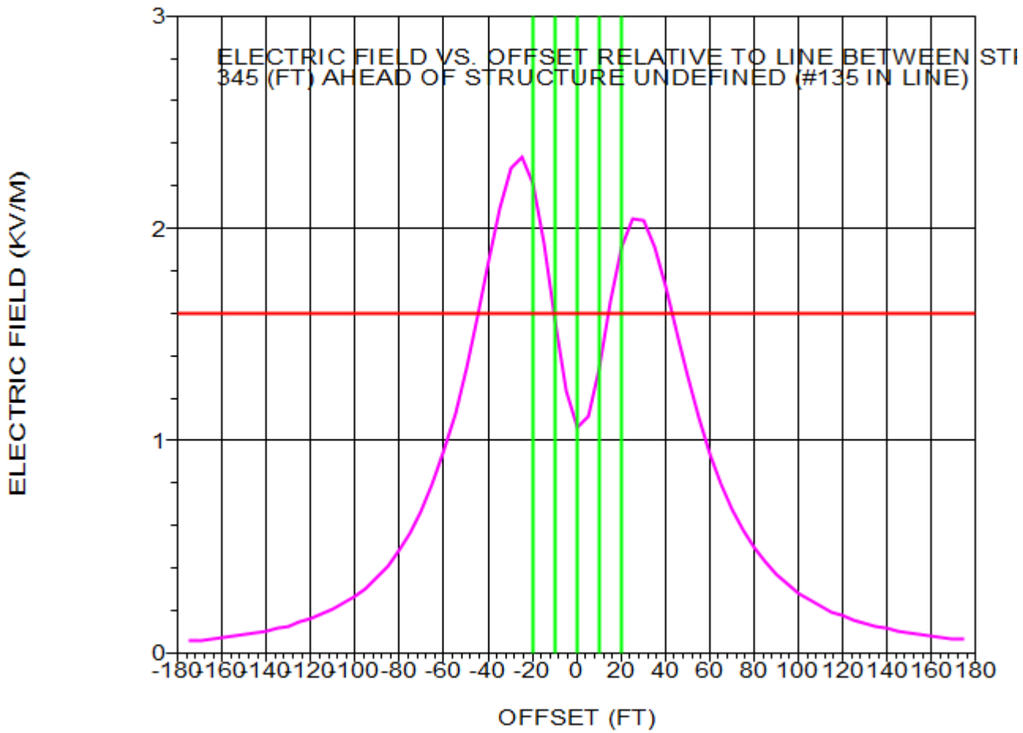
1151086.4	15335722.9	1098.3	164.790	105.874	32.7	195.870	30.4	15.587	0.206	0.549	69.4	0.586	31.7	-1.442	-0.427	16.5	1.504	
1151090.6	15335720.2	1098.9	171.724	110.872	32.8	204.406	31.1	16.266	0.238	0.589	68.0	0.635	35.6	-1.489	-0.379	14.3	1.537	BF exceeds limit NG
1151094.9	15335717.6	1099.7	180.377	117.180	33.0	215.098	32.1	17.117	0.289	0.635	65.5	0.698	42.0	-1.542	-0.289	10.6	1.569	BF exceeds limit NG
1151099.1	15335715.0	1100.5	189.331	123.792	33.2	226.209	33.1	18.001	0.346	0.684	63.2	0.766	48.0	-1.588	-0.185	6.7	1.599	BF exceeds limit NG
1151103.4	15335712.3	1101.1	197.282	129.740	33.3	236.120	34.0	18.790	0.395	0.728	61.5	0.828	52.1	-1.620	-0.094	3.3	1.622	BF exceeds limit NG
1151107.6	15335709.7	1101.4	202.581	133.745	33.4	242.748	34.6	19.317	0.423	0.761	60.9	0.870	52.9	-1.622	-0.050	1.8	1.623	BF exceeds limit NG
1151111.9	15335707.1	1101.7	207.998	137.872	33.5	249.544	35.3	19.858	0.455	0.791	60.1	0.912	54.3	-1.618	0.011	-0.4	1.618	BF exceeds limit NG
1151116.1	15335704.4	1101.7	210.732	139.968	33.6	252.980	35.6	20.132	0.466	0.809	60.1	0.933	53.2	-1.583	0.024	-0.9	1.583	BF exceeds limit NG
1151120.4	15335701.8	1101.7	213.154	141.833	33.6	256.030	35.8	20.374	0.477	0.823	59.9	0.951	52.2	-1.539	0.044	-1.6	1.540	BF exceeds limit NG
1151124.6	15335699.2	1101.8	216.939	144.761	33.7	260.804	36.3	20.754	0.504	0.839	59.0	0.979	53.4	-1.505	0.110	-4.2	1.509	BF exceeds limit NG
1151128.9	15335696.5	1101.9	220.229	147.321	33.8	264.961	36.6	21.085	0.528	0.852	58.2	1.002	54.5	-1.468	0.178	-6.9	1.479	BF exceeds limit NG
1151133.1	15335693.9	1101.8	222.150	148.822	33.8	267.392	36.9	21.278	0.542	0.857	57.7	1.014	54.5	-1.422	0.225	-9.0	1.439	BF exceeds limit NG
1151137.4	15335691.3	1101.7	223.381	149.787	33.8	268.951	37.0	21.402	0.550	0.857	57.3	1.019	54.2	-1.375	0.266	-11.0	1.401	BF exceeds limit NG
1151141.6	15335688.6	1101.4	222.959	149.458	33.8	268.419	37.0	21.360	0.545	0.850	57.3	1.009	52.5	-1.321	0.277	-11.9	1.350	BF exceeds limit NG
1151145.9	15335686.0	1101.0	220.929	147.872	33.8	265.849	36.7	21.156	0.525	0.835	57.8	0.987	49.1	-1.259	0.256	-11.5	1.285	BF exceeds limit NG
1151150.1	15335683.3	1100.6	218.868	146.268	33.8	263.244	36.5	20.948	0.506	0.821	58.4	0.964	45.8	-1.208	0.235	-11.0	1.230	BF exceeds limit NG
1151154.4	15335680.7	1100.3	218.294	145.823	33.7	262.520	36.4	20.891	0.498	0.813	58.5	0.954	44.4	-1.184	0.248	-11.8	1.210	BF exceeds limit NG
1151158.6	15335678.1	1100.0	217.572	145.264	33.7	261.609	36.3	20.818	0.488	0.807	58.9	0.943	42.8	-1.169	0.253	-12.2	1.196	BF exceeds limit NG
1151162.9	15335675.4	1099.8	216.799	144.666	33.7	260.634	36.3	20.741	0.477	0.802	59.3	0.933	41.2	-1.161	0.249	-12.1	1.187	BF exceeds limit NG
1151167.1	15335672.8	1099.5	216.270	144.258	33.7	259.967	36.2	20.688	0.467	0.801	59.8	0.928	39.7	-1.162	0.243	-11.8	1.187	BF exceeds limit NG
1151171.4	15335670.2	1099.5	217.763	145.418	33.7	261.853	36.4	20.838	0.473	0.809	59.7	0.938	40.8	-1.191	0.275	-13.0	1.222	BF exceeds limit NG
1151175.6	15335667.5	1099.5	219.184	146.525	33.8	263.650	36.5	20.981	0.478	0.819	59.7	0.948	41.7	-1.222	0.299	-13.7	1.258	BF exceeds limit NG
1151179.9	15335664.9	1099.5	220.531	147.577	33.8	265.355	36.7	21.116	0.483	0.829	59.8	0.959	42.3	-1.254	0.315	-14.1	1.293	BF exceeds limit NG
1151184.1	15335662.3	1099.4	221.802	148.572	33.8	266.964	36.8	21.244	0.487	0.839	59.9	0.970	42.8	-1.286	0.327	-14.3	1.327	BF exceeds limit NG
1151188.4	15335659.6	1099.4	222.994	149.508	33.8	268.475	37.0	21.365	0.490	0.848	60.0	0.980	43.1	-1.319	0.335	-14.2	1.361	BF exceeds limit NG
1151192.6	15335657.0	1099.4	223.735	150.090	33.9	269.415	37.1	21.439	0.490	0.856	60.2	0.986	42.9	-1.346	0.331	-13.8	1.386	BF exceeds limit NG
1151196.9	15335654.4	1099.2	223.897	150.142	33.8	269.579	37.0	21.452	0.484	0.859	60.6	0.986	41.7	-1.368	0.303	-12.5	1.401	BF exceeds limit NG
1151201.1	15335651.7	1099.1	223.710	149.996	33.8	269.342	37.0	21.434	0.477	0.862	61.0	0.986	40.4	-1.383	0.277	-11.3	1.410	BF exceeds limit NG
1151205.3	15335649.1	1099.0	223.505	149.837	33.8	269.083	37.0	21.413	0.471	0.866	61.4	0.986	39.1	-1.395	0.250	-10.2	1.417	BF exceeds limit NG
1151209.6	15335646.5	1099.0	225.068	151.064	33.9	271.064	37.1	21.571	0.480	0.876	61.3	0.999	40.0	-1.423	0.266	-10.6	1.447	BF exceeds limit NG
1151213.8	15335643.8	1099.1	227.133	152.690	33.9	273.685	37.4	21.779	0.493	0.887	60.9	1.015	41.5	-1.454	0.295	-11.5	1.484	BF exceeds limit NG
1151218.1	15335641.2	1099.2	229.275	154.381	34.0	276.407	37.6	21.996	0.508	0.899	60.5	1.032	43.1	-1.485	0.327	-12.4	1.521	BF exceeds limit NG
1151222.3	15335638.6	1099.3	231.010	155.756	34.0	278.613	37.8	22.171	0.519	0.908	60.3	1.046	44.3	-1.511	0.352	-13.1	1.551	BF exceeds limit NG
1151226.6	15335635.9	1099.3	231.225	155.928	34.0	278.888	37.8	22.193	0.518	0.911	60.4	1.048	43.9	-1.521	0.344	-12.8	1.559	BF exceeds limit NG
1151230.8	15335633.3	1099.2	230.970	155.727	34.0	278.564	37.8	22.167	0.514	0.911	60.6	1.046	43.2	-1.526	0.328	-12.1	1.561	BF exceeds limit NG
1151235.1	15335630.6	1099.1	230.624	155.454	34.0	278.124	37.8	22.132	0.509	0.909	60.7	1.042	42.5	-1.532	0.313	-11.6	1.564	BF exceeds limit NG
1151239.3	15335628.0	1099.0	230.186	155.108	34.0	277.568	37.7	22.088	0.504	0.907	60.9	1.038	41.8	-1.538	0.298	-11.0	1.566	BF exceeds limit NG
1151243.6	15335625.4	1099.0	229.658	154.691	34.0	276.897	37.7	22.035	0.498	0.905	61.2	1.032	41.1	-1.543	0.280	-10.3	1.568	BF exceeds limit NG
1151247.8	15335622.7	1098.9	228.969	154.147	33.9	276.022	37.6	21.965	0.491	0.902	61.5	1.027	40.2	-1.547	0.258	-9.5	1.569	BF exceeds limit NG
1151252.1	15335620.1	1098.8	228.072	153.440	33.9	274.883	37.5	21.875	0.482	0.899	61.8	1.020	39.1	-1.549	0.229	-8.4	1.566	BF exceeds limit NG
1151256.3	15335617.5	1098.7	227.090	152.667	33.9	273.637	37.4	21.775	0.473	0.897	62.2	1.014	37.8	-1.549	0.196	-7.2	1.562	BF exceeds limit NG
1151260.6	15335614.8	1098.6	226.024	151.829	33.9	272.284	37.2	21.668	0.463	0.896	62.7	1.009	36.3	-1.546	0.157	-5.8	1.554	BF exceeds limit NG
1151264.8	15335612.2	1098.8	228.393	153.698	33.9	275.293	37.5	21.907	0.481	0.908	62.1	1.028	38.8	-1.577	0.200	-7.2	1.590	BF exceeds limit NG
1151269.1	15335609.6	1099.1	231.226	155.941	34.0	278.896	37.8	22.194	0.503	0.922	61.4	1.051	41.8	-1.610	0.254	-9.0	1.630	BF exceeds limit NG
1151273.3	15335606.9	1099.1	231.513	156.170	34.0	279.262	37.9	22.223	0.506	0.926	61.4	1.055	41.8	-1.614	0.248	-8.7	1.633	BF exceeds limit NG
1151277.6	15335604.3	1099.2	231.708	156.326	34.0	279.511	37.9	22.243	0.508	0.929	61.3	1.059	41.9	-1.614	0.241	-8.5	1.632	BF exceeds limit NG
1151281.8	15335601.7	1099.2	231.811	156.409	34.0	279.643	37.9	22.253	0.510	0.931	61.3	1.061	41.9	-1.612	0.236	-8.3	1.629	BF exceeds limit NG
1151286.1	15335599.0	1099.3	231.815	156.414	34.0	279.649	37.9	22.254	0.511	0.931	61.2	1.062	41.9	-1.608	0.232	-8.2	1.625	BF exceeds limit NG
1151290.3	15335596.4	1099.3	231.619	156.259	34.0	279.400	37.9	22.234	0.511	0.929	61.2	1.060	41.8	-1.602	0.227	-8.1	1.618	BF exceeds limit NG
1151294.6	15335593.8	1099.4	231.330	156.032	34.0	279.033	37.9	22.205	0.510	0.926	61.2	1.057	41.7	-1.594	0.223	-8.0	1.610	BF exceeds limit NG
1151298.8	15335591.1	1099.4	230.950	155.732	34.0	278.550	37.8	22.166	0.508	0.922	61.2	1.053	41.4	-1.586	0.219	-7.9	1.601	BF exceeds limit NG
1151303.1	15335588.5	1099.5	230.525	155.396	34.0	278.010	37.8	22.123	0.506	0.918	61.2	1.048	41.2	-1.578	0.216	-7.8	1.593	BF exceeds limit NG
1151307.3	15335585.9	1099.5	230.250	155.179	34.0	277.661	37.7	22.096	0.505	0.915	61.1	1.045	41.2	-1.573	0.217	-7.8	1.587	BF exceeds limit NG
1151311.6	15335583.2	1099.6	229.883	154.890	34.0	277.195	37.7	22.058	0.503	0.911	61.1	1.041	41.1	-1.567	0.215	-7.8	1.582	BF exceeds limit NG
1151315.8	15335580.6	1099.7	229.425	154.530	34.0	276.614	37.6	22.012	0.501	0.908	61.1	1.037	40.9	-1.563	0.210	-7.6	1.577	BF exceeds limit NG
1151320.1	15335578.0	1099.8	229.144	154.308	34.0	276.257	37.6	21.984	0.500	0.905	61.1	1.034	41.0	-1.562	0.207	-7.5	1.575	BF exceeds limit NG
1151324.3	15335575.3	1099.9	229.022	154.214	34.0	276.103	37.6	21.972	0.499	0.904	61.1	1.032	41.2	-1.565	0.206	-7.5	1.578	BF exceeds limit NG
1151328.6	15335572.7	1100.0	228.810	154.047	34.0	275.834	37.6	21.950	0.498	0.902	61.1	1.031	41.2	-1.568	0.199	-7.2	1.581	BF exceeds limit NG
1151332.8	15335570.0	1100.1	227.994	153.404	33.9	274.798	37.5	21.868	0.492	0.900	61.3	1.025	40.6	-1.567	0.175	-6.4	1.577	BF exceeds limit NG
1151337.1	15335567.4	1100.1	226.923	152.561	33.9	273.439	37.4	21.760	0.484	0.897	61.7	1.019	39.6	-1.564	0.141	-5.1	1.570	BF exceeds limit NG
1151341.3	15335564.8	1100.2	225.770	151.654	33.9	271.976	37.2	21.643	0.475	0.895	62.0	1.013	38.4	-1.561	0.100	-3.7	1.564	BF exceeds limit NG
1151345.6	15335562.1	1100.4	226.331	152.097	33.9	272.689	37.3	21.700	0.480	0.900	61.9	1.020	39.2	-1.577	0.099	-3.6	1.580	BF exceeds limit NG
1151349.8	15335559.5	1100.7	227.708	153.184	33.9	274.438	37.5	21.839	0.491	0.908	61.6	1.033	41.0	-1.602	0.116	-4.1	1.606	BF exceeds limit NG
1151354.1	15335556.9	1101.0	228.865	154.099	34.0	275.909	37.6	21.956	0.501	0.916	61.3	1.044	42.5	-1.626	0.127	-4.5	1.631	BF exceeds limit NG
1151358.3	15335554.2	1101.3	229.719	154.777	34.0	276.996	37.7	22.043	0.508	0.922	61.1	1.053	43.7	-1.649	0.132	-4.6	1.655	BF exceeds limit NG
1151362.6	15335551.6	1101.4	229.217	154.381	34.0	276.358	37.6	21.992	0.504	0.922	61.3	1.050	43.4	-1.661	0.106	-3.6	1.664	BF exceeds limit NG
1151366.8	15335549.0	1101.6	228.538	153.845	33.9	275.496	37.6	21.923	0.498	0.920	61.6	1.046	43.1	-1.673	0.079	-2.7	1.675	BF exceeds limit NG
1151371.1	15335546.3	1101.7	227.771	153.241	33.9	274.522	37.5	21.846	0.491	0.917	61.8	1.040	42.7	-1.686	0.052	-1.8	1.687	BF exceeds limit NG
1151375.3	15335543.7	1101.9	226.689	152.389	33.9	273.149	37.3	21.737	0.481	0.912	62.2	1.031	42.0	-1.698	0.021	-0.7	1.698	BF exceeds limit NG
1151379.6	15335541.1	1102.0	225.389	151.367	33.9	271.500	37.2	21.605	0.469	0.906	62.6	1.020	41.1	-1.706	-0.013	0.4	1.707	BF exceeds limit NG
1151383.8	15335538.4	1102.1	224.482	150.655	33.9	270.350	37.1	21.514	0.461	0.901	62.9	1.012	40.7	-1.717	-0.035	1.2	1.718	BF exceeds limit NG
1151388.1	15335535.8	1102.3	223.585	149.954	33.8	269.215	37.0	21.423	0.454	0.896	63.1	1.005	40.4	-1.725	-0.055	1.8	1.726	BF exceeds limit NG
1151392.3	15335533.2	1102.5	222.858	149.385	33.8	268.293	36.9	21.350	0.450	0.892	63.2	0.999	40.3	-1.729	-0.071	2.3	1.731	BF exceeds limit NG
1151396.6	15335530.5	1102.7	222.046	148.750	33.8	267.266	36.8	21.268	0.446	0.888	63.3	0.993	40.1	-1.727	-0.087	2.9	1.729	BF exceeds limit NG

1151400.8	15335527.9	1102.9	221.151	148.052	33.8	266.134	36.7	21.178	0.443	0.883	63.4	0.988	39.9	-1.717	-0.106	3.5	1.720	BF exceeds limit NG
1151405.1	15335525.3	1103.1	220.663	147.673	33.8	265.517	36.7	21.129	0.444	0.880	63.2	0.986	40.2	-1.704	-0.113	3.8	1.708	BF exceeds limit NG
1151409.3	15335522.6	1103.4	220.528	147.569	33.8	265.347	36.7	21.116	0.450	0.879	62.9	0.987	40.9	-1.689	-0.110	3.7	1.692	BF exceeds limit NG
1151413.6	15335520.0	1103.7	220.241	147.346	33.8	264.985	36.6	21.087	0.454	0.876	62.6	0.987	41.6	-1.666	-0.108	3.7	1.670	BF exceeds limit NG
1151417.8	15335517.3	1104.1	220.848	147.896	33.8	265.796	36.8	21.151	0.470	0.877	61.8	0.995	43.7	-1.648	-0.065	2.3	1.650	BF exceeds limit NG
1151422.1	15335514.7	1104.5	221.664	148.534	33.8	266.828	36.9	21.234	0.485	0.876	61.0	1.002	45.9	-1.630	-0.030	1.0	1.631	BF exceeds limit NG
1151426.3	15335512.1	1104.8	221.951	148.759	33.8	267.192	36.9	21.262	0.496	0.873	60.4	1.004	47.6	-1.606	-0.004	0.1	1.606	BF exceeds limit NG
1151430.6	15335509.4	1105.0	219.724	147.018	33.8	264.373	36.6	21.038	0.486	0.859	60.5	0.987	46.6	-1.557	-0.036	1.3	1.557	BF exceeds limit NG
1151434.8	15335506.8	1105.2	218.310	145.916	33.8	262.585	36.5	20.896	0.484	0.848	60.3	0.977	46.8	-1.516	-0.045	1.7	1.517	BF exceeds limit NG
1151439.1	15335504.2	1105.4	216.824	144.761	33.7	260.707	36.3	20.746	0.482	0.837	60.1	0.966	47.0	-1.476	-0.055	2.1	1.477	BF exceeds limit NG
1151443.3	15335501.5	1105.6	215.268	143.554	33.7	258.743	36.1	20.590	0.480	0.826	59.8	0.955	47.4	-1.437	-0.066	2.6	1.438	BF exceeds limit NG
1151447.6	15335498.9	1105.8	213.644	142.297	33.7	256.695	36.0	20.427	0.478	0.815	59.6	0.945	47.9	-1.398	-0.079	3.2	1.401	BF exceeds limit NG
1151451.8	15335496.3	1106.0	212.115	141.118	33.6	254.768	35.8	20.274	0.478	0.804	59.3	0.936	48.8	-1.364	-0.089	3.7	1.367	BF exceeds limit NG
1151456.1	15335493.6	1106.3	210.782	140.091	33.6	253.090	35.6	20.140	0.481	0.795	58.8	0.929	50.2	-1.334	-0.093	4.0	1.338	BF exceeds limit NG
1151460.3	15335491.0	1106.5	209.492	139.100	33.6	251.467	35.5	20.011	0.485	0.785	58.3	0.923	51.9	-1.310	-0.095	4.1	1.314	BF exceeds limit NG
1151464.6	15335488.4	1106.8	208.132	138.057	33.6	249.757	35.3	19.875	0.489	0.775	57.8	0.916	54.0	-1.292	-0.096	4.2	1.295	BF exceeds limit NG
1151468.8	15335485.7	1107.1	206.681	136.947	33.5	247.934	35.2	19.730	0.492	0.764	57.2	0.908	56.2	-1.280	-0.096	4.3	1.283	BF exceeds limit NG
1151473.1	15335483.1	1107.2	203.847	134.785	33.5	244.377	34.9	19.447	0.483	0.746	57.1	0.889	57.1	-1.262	-0.123	5.6	1.268	BF exceeds limit NG
1151477.3	15335480.5	1107.2	199.803	131.717	33.4	239.313	34.4	19.044	0.463	0.724	57.4	0.859	56.6	-1.242	-0.174	8.0	1.254	BF exceeds limit NG
1151481.6	15335477.8	1107.1	195.796	128.695	33.3	234.304	33.9	18.645	0.444	0.701	57.6	0.830	56.4	-1.231	-0.220	10.1	1.250	BF exceeds limit NG
1151485.8	15335475.2	1107.1	191.827	125.720	33.2	229.354	33.5	18.251	0.426	0.678	57.9	0.800	56.5	-1.229	-0.260	11.9	1.256	BF exceeds limit NG
1151490.1	15335472.6	1107.1	187.899	122.793	33.2	224.464	33.0	17.862	0.408	0.654	58.1	0.771	56.9	-1.234	-0.295	13.4	1.269	BF exceeds limit NG
1151494.3	15335469.9	1107.1	183.639	119.638	33.1	219.172	32.6	17.441	0.387	0.630	58.4	0.739	56.8	-1.243	-0.334	15.0	1.287	BF exceeds limit NG
1151498.6	15335467.3	1106.9	178.965	116.199	33.0	213.379	32.0	16.980	0.363	0.604	58.9	0.705	56.2	-1.252	-0.379	16.8	1.308	BF exceeds limit NG
1151502.8	15335464.6	1106.8	174.392	112.859	32.9	207.725	31.5	16.530	0.341	0.578	59.4	0.671	55.7	-1.266	-0.419	18.3	1.333	BF exceeds limit NG
1151507.1	15335462.0	1106.7	169.922	109.614	32.8	202.210	31.0	16.091	0.321	0.553	59.9	0.640	55.4	-1.283	-0.455	19.5	1.361	BF exceeds limit NG
1151511.3	15335459.4	1106.6	165.554	106.465	32.7	196.832	30.5	15.663	0.303	0.529	60.2	0.610	55.2	-1.302	-0.487	20.5	1.390	
1151515.6	15335456.7	1106.4	160.633	102.940	32.7	190.787	29.9	15.182	0.279	0.504	61.0	0.576	53.9	-1.319	-0.530	21.9	1.421	
1151519.8	15335454.1	1106.4	157.298	100.566	32.6	186.698	29.5	14.857	0.272	0.484	60.6	0.555	55.6	-1.347	-0.538	21.8	1.450	
1151524.1	15335451.5	1106.2	153.263	97.709	32.5	181.760	29.1	14.464	0.259	0.462	60.8	0.530	55.7	-1.371	-0.560	22.2	1.481	
1151528.3	15335448.8	1106.0	148.842	94.596	32.4	176.358	28.6	14.034	0.242	0.440	61.2	0.502	55.0	-1.394	-0.590	22.9	1.513	
1151532.6	15335446.2	1105.9	144.557	91.599	32.4	171.135	28.1	13.618	0.227	0.418	61.5	0.475	54.2	-1.418	-0.616	23.5	1.546	
1151536.8	15335443.6	1105.6	139.856	88.332	32.3	165.416	27.5	13.163	0.207	0.395	62.3	0.446	52.3	-1.441	-0.651	24.3	1.581	
1151541.0	15335440.9	1105.2	134.977	84.964	32.2	159.492	26.9	12.692	0.186	0.372	63.5	0.416	49.6	-1.465	-0.689	25.2	1.619	
1151545.3	15335438.3	1105.0	131.123	82.319	32.1	154.822	26.5	12.320	0.175	0.353	63.6	0.394	48.7	-1.494	-0.707	25.3	1.653	
1151549.5	15335435.7	1104.7	127.052	79.542	32.0	149.897	26.0	11.928	0.163	0.334	64.0	0.371	46.9	-1.523	-0.730	25.6	1.689	
1151553.8	15335433.0	1104.4	123.143	76.889	32.0	145.176	25.5	11.553	0.152	0.315	64.2	0.350	45.0	-1.551	-0.751	25.8	1.724	
1151558.0	15335430.4	1104.2	119.397	74.360	31.9	140.660	25.1	11.193	0.144	0.298	64.3	0.331	43.0	-1.580	-0.771	26.0	1.758	
1151562.3	15335427.8	1103.7	114.873	71.324	31.8	135.214	24.5	10.760	0.126	0.279	65.6	0.306	38.7	-1.609	-0.808	26.7	1.800	
1151566.5	15335425.1	1103.1	110.347	68.305	31.8	129.777	23.9	10.327	0.109	0.260	67.3	0.282	33.7	-1.638	-0.846	27.3	1.843	
1151570.8	15335422.5	1102.5	106.095	65.486	31.7	124.678	23.4	9.922	0.095	0.244	68.7	0.261	28.6	-1.668	-0.882	27.9	1.886	
1151575.0	15335419.9	1102.1	102.497	63.113	31.6	120.369	22.9	9.579	0.088	0.229	69.0	0.246	24.8	-1.697	-0.908	28.1	1.925	
1151579.3	15335417.2	1101.7	99.456	61.116	31.6	116.733	22.5	9.289	0.087	0.218	68.2	0.234	22.2	-1.724	-0.927	28.3	1.958	
1151583.5	15335414.6	1101.4	96.617	59.259	31.5	113.342	22.2	9.019	0.088	0.207	67.0	0.225	19.7	-1.750	-0.946	28.4	1.990	
1151587.8	15335412.0	1101.0	93.974	57.537	31.5	110.189	21.8	8.769	0.089	0.198	65.7	0.217	17.4	-1.775	-0.964	28.5	2.020	
1151592.0	15335409.3	1100.7	91.537	55.955	31.4	107.284	21.5	8.537	0.091	0.190	64.3	0.210	15.3	-1.799	-0.982	28.6	2.049	
1151596.3	15335406.7	1100.4	89.338	54.531	31.4	104.666	21.2	8.329	0.094	0.183	62.8	0.205	13.5	-1.821	-0.998	28.7	2.077	
1151600.5	15335404.0	1100.2	87.748	53.504	31.4	102.774	21.0	8.178	0.100	0.178	60.6	0.204	12.8	-1.840	-1.005	28.6	2.097	
1151604.8	15335401.4	1100.0	86.363	52.612	31.3	101.127	20.8	8.047	0.106	0.174	58.6	0.204	12.1	-1.858	-1.011	28.6	2.115	
1151609.0	15335398.8	1099.8	85.194	51.860	31.3	99.737	20.6	7.937	0.112	0.171	56.7	0.205	11.4	-1.874	-1.014	28.4	2.131	
1151613.3	15335396.1	1099.6	84.237	51.246	31.3	98.600	20.5	7.846	0.119	0.169	55.0	0.207	10.6	-1.890	-1.015	28.2	2.145	

Max EF along centerline is 1.062 (kV/m) at 345.000 (ft) from structure Undefined (#135 in line)

Cross section results at max EF along centerline between structures Undefined (#135 in line) and Undefined (#136 in line)


MAGNETIC FIELD VS. OFFSET RELATIVE TO LINE BETWEEN ST
345 (FT) AHEAD OF STRUCTURE UNDEFINED (#135 IN LINE)
MAGNETIC FIELD (MG)
300
280
260
240
220
200
180
160
140
120
100
80
60
40
20
0
-180 -160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 160 180
OFFSET (FT)



3D EMF Point Results Span from Undefined (#135 in line) to Undefined (#136 in line):

Measurement			B					H	EF					Space Potential			
X (ft)	Y (ft)	Z (ft)	Real (mG)	Imaginary (mG)	Angle (deg)	Magnitude (mG)	Polarization Axial Ratio %	Magnitude (A/m)	Real (kV/m)	Imaginary (kV/m)	Angle (deg)	Magnitude (kV/m)	Polarization Axial Ratio %	Real (kV)	Imaginary (kV)	Angle (deg)	Magnitude (kV)
1151378.3	15335747.8	1107.5	10.151	5.020	26.3	11.324	0.8	0.901	0.055	0.009	9.2	0.056	1.2	0.105	-0.013	-7.3	0.106
1151375.7	15335743.5	1107.2	10.754	5.295	26.2	11.986	0.9	0.954	0.059	0.010	9.5	0.060	1.1	0.111	-0.012	-6.3	0.112
1151373.0	15335739.3	1106.9	11.412	5.592	26.1	12.708	0.9	1.011	0.065	0.011	9.8	0.066	1.1	0.117	-0.011	-5.3	0.118
1151370.4	15335735.0	1106.6	12.131	5.914	26.0	13.496	1.0	1.074	0.071	0.012	10.0	0.072	1.0	0.124	-0.009	-4.3	0.124
1151367.8	15335730.8	1106.2	12.920	6.265	25.9	14.359	1.1	1.143	0.077	0.014	10.3	0.078	0.9	0.131	-0.008	-3.3	0.131
1151365.1	15335726.5	1105.9	13.789	6.648	25.7	15.308	1.2	1.218	0.085	0.016	10.5	0.086	0.8	0.139	-0.006	-2.4	0.139
1151362.5	15335722.3	1105.6	14.748	7.067	25.6	16.353	1.3	1.301	0.093	0.018	10.8	0.095	0.8	0.148	-0.004	-1.4	0.148
1151359.9	15335718.0	1105.3	15.809	7.526	25.5	17.509	1.4	1.393	0.103	0.020	11.0	0.105	0.7	0.158	-0.001	-0.4	0.158
1151357.2	15335713.8	1105.0	16.988	8.032	25.3	18.791	1.5	1.495	0.114	0.023	11.2	0.116	0.7	0.169	0.002	0.6	0.169
1151354.6	15335709.5	1104.7	18.302	8.590	25.1	20.218	1.7	1.609	0.126	0.026	11.4	0.129	0.6	0.182	0.005	1.5	0.182
1151352.0	15335705.3	1104.4	19.772	9.207	25.0	21.811	1.8	1.736	0.141	0.029	11.6	0.144	0.6	0.196	0.008	2.5	0.196
1151349.3	15335701.0	1104.1	21.423	9.891	24.8	23.597	2.0	1.878	0.158	0.033	11.8	0.162	0.5	0.211	0.012	3.4	0.212
1151346.7	15335696.8	1103.8	23.292	10.656	24.6	25.614	2.2	2.038	0.178	0.038	11.9	0.182	0.5	0.232	0.018	4.4	0.233
1151344.1	15335692.5	1103.8	25.435	11.520	24.4	27.922	2.4	2.222	0.201	0.043	12.0	0.206	0.5	0.268	0.026	5.6	0.269
1151341.4	15335688.3	1103.7	27.881	12.492	24.1	30.552	2.6	2.431	0.228	0.049	12.1	0.234	0.4	0.309	0.036	6.7	0.311
1151338.8	15335684.0	1103.6	30.691	13.591	23.9	33.566	2.8	2.671	0.261	0.057	12.2	0.267	0.4	0.359	0.048	7.7	0.362
1151336.2	15335679.8	1103.5	33.923	14.833	23.6	37.024	3.1	2.946	0.299	0.065	12.3	0.307	0.4	0.413	0.062	8.5	0.417
1151333.5	15335675.5	1103.3	37.650	16.242	23.3	41.004	3.5	3.263	0.346	0.076	12.3	0.354	0.4	0.468	0.075	9.2	0.474
1151330.9	15335671.3	1103.1	41.990	17.854	23.0	45.628	3.9	3.631	0.402	0.088	12.3	0.411	0.4	0.531	0.091	9.8	0.539
1151328.2	15335667.0	1102.4	46.885	19.651	22.7	50.837	4.4	4.045	0.469	0.103	12.3	0.481	0.4	0.544	0.097	10.1	0.552
1151325.6	15335662.8	1102.2	52.863	21.790	22.4	57.178	5.0	4.550	0.552	0.121	12.3	0.565	0.4	0.628	0.118	10.7	0.639
1151323.0	15335658.5	1102.0	59.958	24.281	22.0	64.688	5.6	5.148	0.652	0.142	12.3	0.667	0.5	0.727	0.144	11.2	0.741

1151320.3	15335654.3	1101.8	68.423	27.199	21.7	73.631	6.4	5.859	0.774	0.169	12.3	0.792	0.5	0.844	0.175	11.7	0.862	
1151317.7	15335650.0	1101.7	78.560	30.639	21.3	84.324	7.3	6.710	0.922	0.201	12.3	0.944	0.6	0.980	0.212	12.2	1.003	
1151315.1	15335645.8	1101.5	90.776	34.733	20.9	97.194	8.4	7.734	1.101	0.241	12.3	1.127	0.8	1.146	0.259	12.8	1.175	
1151312.4	15335641.5	1101.4	105.438	39.632	20.6	112.640	9.7	8.964	1.311	0.290	12.5	1.342	1.1	1.337	0.319	13.4	1.374	
1151309.8	15335637.3	1101.2	122.849	45.519	20.3	131.011	11.3	10.426	1.548	0.353	12.8	1.588	1.4	1.536	0.391	14.3	1.585	
1151307.2	**15335633.0**	**1101.1**	**143.109**	**52.625**	**20.2**	**152.478**	**13.3**	**12.134**	**1.799**	**0.431**	**13.5**	**1.850**	**2.0**	**1.721**	**0.481**	**15.6**	**1.787**	**EF exceeds limit NG**
1151304.5	**15335628.8**	**1101.0**	**165.821**	**61.217**	**20.3**	**176.760**	**15.6**	**14.066**	**2.030**	**0.529**	**14.6**	**2.098**	**3.0**	**1.848**	**0.588**	**17.7**	**1.939**	**EF exceeds limit NG**
1151301.9	**15335624.5**	**1100.7**	**188.927**	**71.395**	**20.7**	**201.967**	**18.5**	**16.072**	**2.184**	**0.652**	**16.6**	**2.280**	**4.3**	**1.785**	**0.695**	**21.3**	**1.916**	**BF and EF exceed limits NG**
1151299.3	**15335620.3**	**1100.5**	**210.559**	**83.429**	**21.6**	**226.485**	**22.0**	**18.023**	**2.192**	**0.797**	**20.0**	**2.332**	**6.3**	**1.523**	**0.803**	**27.8**	**1.722**	**BF and EF exceed limits NG**
1151296.6	**15335616.0**	**1100.2**	**228.032**	**97.344**	**23.1**	**247.940**	**25.9**	**19.730**	**1.995**	**0.955**	**25.6**	**2.212**	**9.3**	**1.043**	**0.892**	**40.5**	**1.372**	**BF and EF exceed limits NG**
1151294.0	**15335611.8**	**1100.0**	**239.246**	**112.845**	**25.3**	**264.524**	**30.1**	**21.050**	**1.586**	**1.096**	**34.7**	**1.928**	**13.8**	**0.391**	**0.926**	**67.1**	**1.005**	**BF and EF exceed limits NG**
1151291.4	**15335607.5**	**1099.7**	**243.206**	**129.025**	**27.9**	**275.312**	**34.1**	**21.909**	**1.027**	**1.175**	**48.8**	**1.560**	**20.6**	**-0.342**	**0.856**	**-68.2**	**0.921**	**BF exceeds limit NG**
1151288.7	**15335603.3**	**1099.5**	**240.244**	**144.238**	**31.0**	**280.218**	**37.0**	**22.299**	**0.485**	**1.132**	**66.8**	**1.232**	**30.7**	**-1.041**	**0.629**	**-31.2**	**1.216**	**BF exceeds limit NG**
1151286.1	**15335599.0**	**1099.3**	**231.815**	**156.414**	**34.0**	**279.649**	**37.9**	**22.254**	**0.511**	**0.931**	**61.2**	**1.062**	**41.9**	**-1.608**	**0.232**	**-8.2**	**1.625**	**BF exceeds limit NG**
1151283.5	**15335594.8**	**1099.0**	**219.500**	**163.429**	**36.7**	**273.659**	**36.5**	**21.777**	**0.942**	**0.592**	**32.1**	**1.112**	**39.7**	**-1.988**	**-0.295**	**8.4**	**2.010**	**BF exceeds limit NG**
1151280.8	**15335590.5**	**1098.8**	**204.924**	**164.261**	**38.7**	**262.632**	**33.3**	**20.900**	**1.304**	**0.346**	**14.9**	**1.349**	**25.9**	**-2.176**	**-0.844**	**21.2**	**2.334**	**BF exceeds limit NG**
1151278.2	**15335586.3**	**1098.6**	**188.837**	**158.834**	**40.1**	**246.755**	**29.4**	**19.636**	**1.536**	**0.622**	**22.0**	**1.657**	**14.9**	**-2.195**	**-1.300**	**30.6**	**2.551**	**BF and EF exceed limits NG**
1151275.5	**15335582.0**	**1098.3**	**171.600**	**148.121**	**40.8**	**226.686**	**25.4**	**18.039**	**1.637**	**0.993**	**31.2**	**1.915**	**8.2**	**-2.080**	**-1.579**	**37.2**	**2.611**	**BF and EF exceed limits NG**
1151272.9	**15335577.8**	**1098.1**	**153.770**	**133.953**	**41.1**	**203.933**	**21.8**	**16.228**	**1.625**	**1.243**	**37.4**	**2.046**	**4.5**	**-1.878**	**-1.663**	**41.5**	**2.508**	**BF and EF exceed limits NG**
1151270.3	**15335573.5**	**1098.0**	**136.552**	**118.826**	**41.0**	**181.014**	**18.6**	**14.405**	**1.529**	**1.345**	**41.4**	**2.036**	**2.5**	**-1.678**	**-1.632**	**44.2**	**2.341**	**EF exceeds limit NG**
1151267.6	**15335569.3**	**1097.9**	**120.006**	**103.522**	**40.8**	**158.488**	**16.0**	**12.612**	**1.381**	**1.324**	**43.8**	**1.913**	**1.3**	**-1.455**	**-1.499**	**45.8**	**2.089**	**EF exceeds limit NG**
1151265.0	**15335565.0**	**1097.7**	**104.817**	**89.241**	**40.4**	**137.661**	**13.7**	**10.955**	**1.212**	**1.225**	**45.3**	**1.723**	**0.6**	**-1.235**	**-1.314**	**46.8**	**1.803**	**EF exceeds limit NG**
1151262.4	15335560.8	1097.6	91.351	76.590	40.0	119.210	11.9	9.486	1.043	1.090	46.3	1.509	0.3	-1.033	-1.118	47.3	1.522	
1151259.7	15335556.5	1097.4	79.462	65.499	39.5	102.977	10.3	8.195	0.888	0.947	46.8	1.298	0.2	-0.821	-0.894	47.5	1.213	
1151257.1	15335552.3	1097.0	69.291	56.148	39.0	89.184	9.1	7.097	0.753	0.811	47.2	1.107	0.3	-0.632	-0.687	47.4	0.934	
1151254.5	15335548.0	1096.8	60.833	48.515	38.6	77.810	8.0	6.192	0.637	0.691	47.3	0.940	0.3	-0.504	-0.544	47.2	0.741	
1151251.8	15335543.8	1096.6	53.670	42.157	38.1	68.247	7.1	5.431	0.540	0.588	47.5	0.798	0.3	-0.399	-0.425	46.8	0.584	
1151249.2	15335539.5	1096.4	47.614	36.872	37.8	60.222	6.4	4.792	0.459	0.501	47.5	0.679	0.2	-0.320	-0.334	46.3	0.463	
1151246.6	15335535.3	1096.2	42.475	32.459	37.4	53.458	5.7	4.254	0.391	0.428	47.6	0.580	0.2	-0.259	-0.266	45.7	0.371	
1151243.9	15335531.0	1096.1	38.113	28.773	37.1	47.755	5.2	3.800	0.336	0.367	47.6	0.497	0.1	-0.220	-0.221	45.1	0.312	
1151241.3	15335526.8	1096.1	34.375	25.660	36.7	42.896	4.7	3.414	0.289	0.317	47.6	0.429	0.1	-0.193	-0.190	44.6	0.271	
1151238.7	15335522.5	1096.0	31.137	22.999	36.5	38.710	4.2	3.080	0.250	0.275	47.6	0.372	0.0	-0.171	-0.165	44.1	0.238	
1151236.0	15335518.3	1096.0	28.319	20.712	36.2	35.085	3.9	2.792	0.218	0.239	47.7	0.324	0.0	-0.152	-0.144	43.6	0.210	
1151233.4	15335514.0	1095.9	25.856	18.737	35.9	31.931	3.5	2.541	0.191	0.210	47.7	0.283	0.0	-0.136	-0.127	43.1	0.187	
1151230.8	15335509.8	1095.8	23.677	17.010	35.7	29.154	3.2	2.320	0.167	0.185	47.8	0.249	0.1	-0.118	-0.107	42.4	0.159	
1151228.1	15335505.5	1095.4	21.731	15.481	35.5	26.681	3.0	2.123	0.148	0.164	47.9	0.220	0.1	-0.092	-0.080	40.9	0.122	
1151225.5	15335501.3	1095.0	20.010	14.145	35.3	24.505	2.8	1.950	0.131	0.145	48.0	0.196	0.1	-0.071	-0.057	38.7	0.091	
1151222.8	15335497.0	1094.6	18.484	12.971	35.1	22.581	2.6	1.797	0.117	0.130	48.1	0.175	0.2	-0.053	-0.038	35.3	0.065	
1151220.2	15335492.8	1094.6	17.162	11.965	34.9	20.921	2.4	1.665	0.104	0.117	48.2	0.156	0.2	-0.054	-0.039	35.9	0.067	
1151217.6	15335488.5	1094.8	15.980	11.075	34.7	19.443	2.2	1.547	0.093	0.105	48.4	0.141	0.2	-0.057	-0.043	37.2	0.072	
1151214.9	15335484.3	1094.9	14.914	10.277	34.6	18.112	2.1	1.441	0.084	0.095	48.5	0.127	0.3	-0.059	-0.046	38.0	0.074	
1151212.3	15335480.0	1095.1	13.948	9.560	34.4	16.910	1.9	1.346	0.076	0.086	48.7	0.115	0.3	-0.060	-0.048	38.7	0.077	
1151209.7	15335475.8	1095.1	13.068	8.910	34.3	15.816	1.8	1.259	0.069	0.079	48.8	0.104	0.3	-0.058	-0.047	38.8	0.074	
1151207.0	15335471.5	1095.1	12.266	8.323	34.2	14.823	1.7	1.180	0.062	0.072	49.0	0.095	0.4	-0.056	-0.045	38.9	0.072	
1151204.4	15335467.3	1095.1	11.535	7.791	34.0	13.920	1.6	1.108	0.057	0.066	49.2	0.087	0.4	-0.054	-0.043	38.9	0.069	
1151201.8	15335463.1	1095.1	10.868	7.308	33.9	13.096	1.5	1.042	0.052	0.061	49.4	0.080	0.4	-0.052	-0.042	39.0	0.067	
1151199.1	15335458.8	1095.1	10.256	6.868	33.8	12.343	1.4	0.982	0.048	0.056	49.6	0.073	0.4	-0.050	-0.040	39.0	0.064	
1151196.5	15335454.6	1095.1	9.694	6.466	33.7	11.652	1.3	0.927	0.044	0.052	49.8	0.068	0.5	-0.048	-0.039	39.1	0.062	
1151193.9	15335450.3	1095.0	9.175	6.097	33.6	11.016	1.2	0.877	0.040	0.048	50.0	0.062	0.5	-0.045	-0.037	38.8	0.058	

Critical Energy/Electric Infrastructure Information (CEII) Has Been Redacted From This Document

PLS-CADD Version 20.01x64 11:48:59 AM Friday, February 28, 2025
Quanta Services - Dashiell
Project Name: 'C:\projects\L72\5269-T0072-700 REV 0-0G PLS CADD MODEL.don'
Line Title: 'L72 EXISTING CONDITIONS - M1'

3D EMF Calculation Notes:
1) Calculations based on the EPRI Red Book methods (3rd Edition, 2005 - 7.4 Calculation of Magnetic Fields and Appendices 7.1 Calculation of Field Ellipse Parameters and 7.6 Electric Field Calculations for 3D Geometry).
2) All wire positions are modeled at the specified weather case and wind direction. Height above ground determined by the modeled ground TIN.
3) Only the effects of wires are being analyzed. The effects of structures are not included unless enabled as noted below.
4) Ground return is being ignored for magnetic field calculations.

Meter height above ground:	3.28	(ft)
Maximum wire distance:	500.00	(ft)
Maximum cable segment size:	5.00	(ft)
Cross section offset +/-:	175.00	(ft)
Result interval:	5.00	(ft)
Electric field limit:	1.60	(kV/m)
Magnetic field limit:	200.00	(mG)
Space potential limit:	0.00	(kV)
Contour Map Spacing:	15	(ft)
Analyzing spans between these structures:	Undefined (#135 in line) - Undefined (#136 in line)	

One or more sections have wind from both directions which is not supported. A wind direction of left is being used for those sections.

Section Data for 3D EMF Results:

Section Number	Section Note	Voltage Ph-Ph (kV)	Current (Amps)	Cable Filename	Cable Description	Conductors Per Phase	Bundle Diameter (in)	Cable Radius (in)	Weather Case	Condition	Wind Dir.	WC Temperature (deg F)	Effective Radius (in)
8		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
23		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
36		230.0	[redacted]	ortolan_acsr.wir	1033.5 kcmil 45/7 Strands ORTOLAN ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.606	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.606

Centerline results between structures Undefined (#135 in line) and Undefined (#136 in line)

3D EMF Point Results Centerline from Undefined (#135 in line) to Undefined (#136 in line):

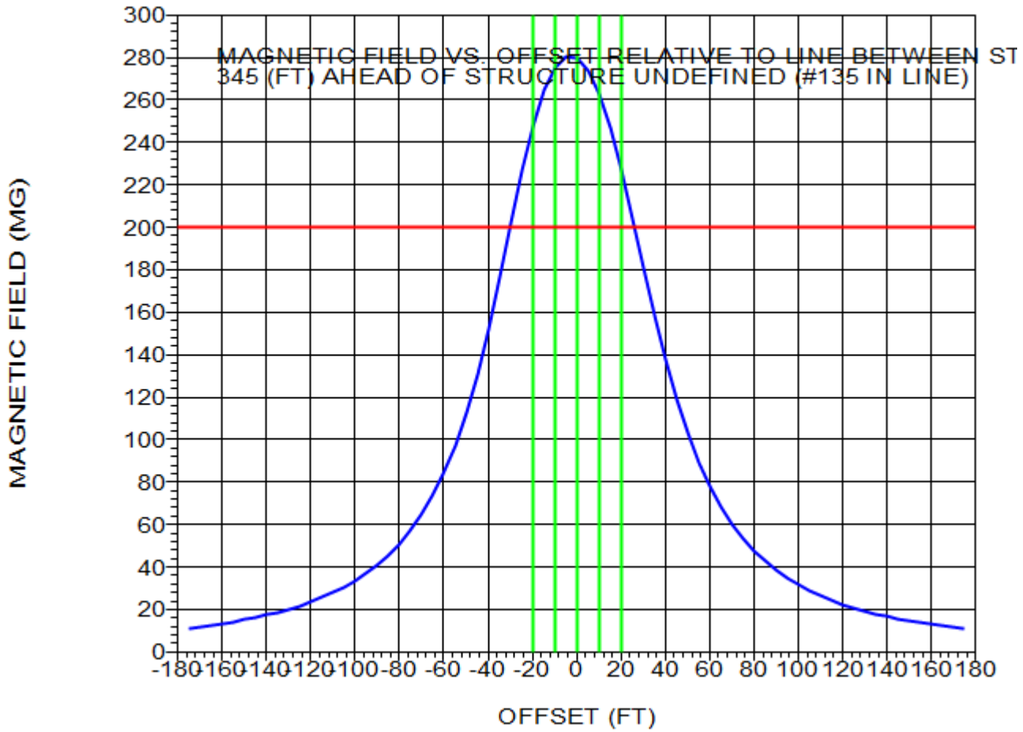
Measurement X (ft)	Measurement Y (ft)	Measurement Z (ft)	B Real (mG)	B Imaginary (mG)	B Angle (deg)	B Magnitude (mG)	B Polarization Axial Ratio %	H Magnitude (A/m)	EF Real (kV/m)	EF Imaginary (kV/m)	EF Angle (deg)	EF Magnitude (kV/m)	EF Polarization Axial Ratio %	Space Potential Real (kV)	Space Potential Imaginary (kV)	Space Potential Angle (deg)	Space Potential Magnitude (kV)
1150992.9	15335780.8	1089.9	98.294	60.342	31.5	115.338	22.5	9.178	0.109	0.178	58.4	0.209	41.6	-1.168	-0.471	22.0	1.259
1150997.1	15335778.2	1089.7	97.079	59.561	31.5	113.894	22.3	9.063	0.088	0.170	62.7	0.192	38.6	-1.155	-0.475	22.3	1.249
1151001.4	15335775.6	1090.1	97.828	60.060	31.5	114.794	22.4	9.135	0.085	0.171	63.6	0.191	39.0	-1.145	-0.455	21.7	1.232
1151005.6	15335772.9	1090.5	98.889	60.762	31.6	116.065	22.5	9.236	0.082	0.173	64.7	0.192	39.2	-1.138	-0.436	21.0	1.219
1151009.9	15335770.3	1090.9	100.289	61.684	31.6	117.740	22.7	9.369	0.080	0.178	65.9	0.195	39.1	-1.134	-0.420	20.3	1.210
1151014.1	15335767.7	1091.3	101.999	62.810	31.6	119.786	22.9	9.532	0.078	0.184	67.1	0.200	38.6	-1.135	-0.406	19.7	1.205
1151018.4	15335765.0	1091.7	104.028	64.147	31.7	122.216	23.2	9.726	0.076	0.193	68.4	0.208	37.7	-1.138	-0.397	19.2	1.205
1151022.6	15335762.4	1092.1	106.368	65.692	31.7	125.018	23.4	9.949	0.076	0.205	69.5	0.218	36.5	-1.144	-0.392	18.9	1.209
1151026.9	15335759.8	1092.5	108.984	67.423	31.7	128.154	23.8	10.198	0.078	0.219	70.5	0.232	35.2	-1.152	-0.393	18.8	1.217
1151031.1	15335757.1	1092.9	111.827	69.311	31.8	131.565	24.1	10.470	0.080	0.236	71.3	0.249	33.8	-1.161	-0.401	19.0	1.228
1151035.4	15335754.5	1093.3	114.880	71.346	31.8	135.232	24.5	10.761	0.083	0.256	72.0	0.269	32.4	-1.170	-0.414	19.5	1.241
1151039.6	15335751.9	1093.9	118.784	73.961	31.9	139.928	25.0	11.135	0.096	0.280	71.2	0.296	33.8	-1.182	-0.419	19.5	1.254
1151043.9	15335749.2	1095.1	126.031	78.853	32.0	148.666	25.8	11.830	0.142	0.314	65.6	0.345	45.4	-1.205	-0.369	17.0	1.261
1151048.1	15335746.6	1096.0	131.969	82.899	32.1	155.846	26.5	12.402	0.174	0.344	63.2	0.386	50.5	-1.226	-0.340	15.5	1.273
1151052.4	15335744.0	1096.9	138.928	87.682	32.3	164.284	27.4	13.073	0.215	0.378	60.4	0.435	56.7	-1.255	-0.290	13.0	1.288
1151056.6	15335741.3	1097.2	142.649	90.258	32.3	168.806	27.8	13.433	0.222	0.400	61.0	0.457	55.4	-1.271	-0.296	13.1	1.305
1151060.9	15335738.7	1097.7	147.374	93.550	32.4	174.559	28.3	13.891	0.237	0.424	60.8	0.486	55.9	-1.295	-0.280	12.2	1.325
1151065.1	15335736.0	1098.1	151.867	96.700	32.5	180.040	28.9	14.327	0.250	0.448	60.9	0.513	55.6	-1.322	-0.266	11.4	1.349
1151069.4	15335733.4	1098.2	154.991	98.902	32.5	183.858	29.2	14.631	0.247	0.466	62.1	0.528	52.4	-1.346	-0.279	11.7	1.374
1151073.6	15335730.8	1098.4	158.407	101.322	32.6	188.040	29.6	14.964	0.246	0.486	63.1	0.545	49.5	-1.375	-0.287	11.8	1.404
1151077.9	15335728.1	1098.3	160.433	102.762	32.6	190.523	29.9	15.161	0.231	0.504	65.3	0.554	43.5	-1.397	-0.329	13.2	1.435
1151082.1	15335725.5	1098.3	162.821	104.465	32.7	193.452	30.1	15.394	0.220	0.525	67.3	0.569	38.0	-1.422	-0.370	14.6	1.470

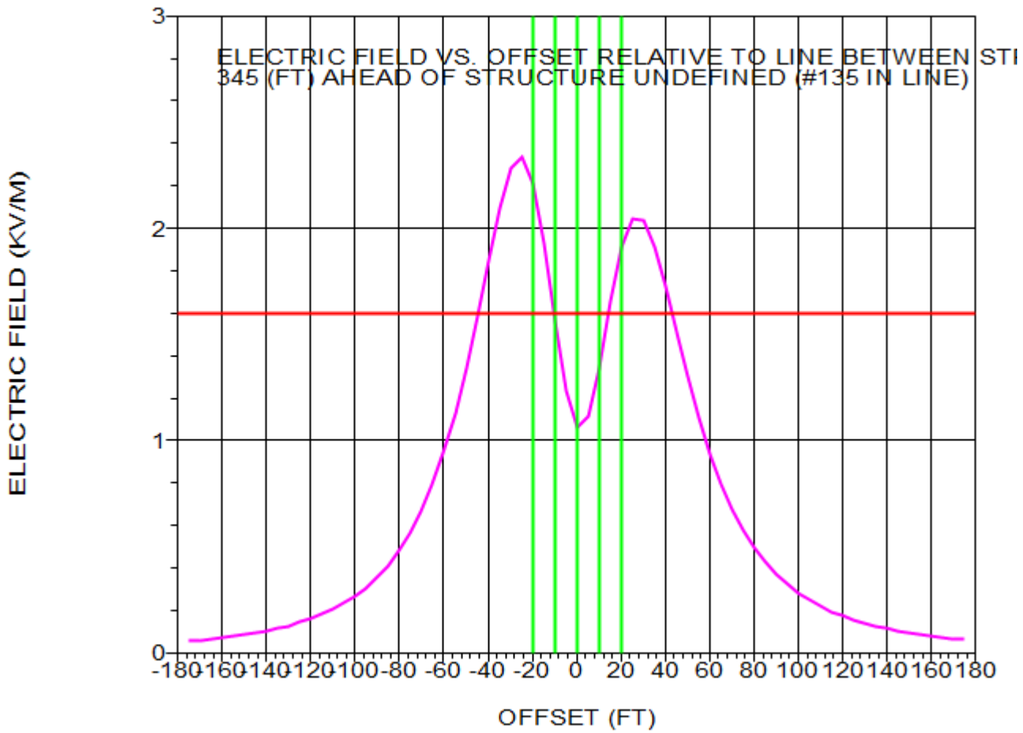
1151086.4	15335722.9	1098.3	164.790	105.874	32.7	195.870	30.4	15.587	0.206	0.549	69.4	0.586	31.7	-1.442	-0.427	16.5	1.504	
1151090.6	15335720.2	1098.9	171.724	110.872	32.8	204.406	31.1	16.266	0.238	0.589	68.0	0.635	35.6	-1.489	-0.379	14.3	1.537	BF exceeds limit NG
1151094.9	15335717.6	1099.7	180.377	117.180	33.0	215.098	32.1	17.117	0.289	0.635	65.5	0.698	42.0	-1.542	-0.289	10.6	1.569	BF exceeds limit NG
1151099.1	15335715.0	1100.5	189.331	123.792	33.2	226.209	33.1	18.001	0.346	0.684	63.2	0.766	48.0	-1.588	-0.185	6.7	1.599	BF exceeds limit NG
1151103.4	15335712.3	1101.1	197.282	129.740	33.3	236.120	34.0	18.790	0.395	0.728	61.5	0.828	52.1	-1.620	-0.094	3.3	1.622	BF exceeds limit NG
1151107.6	15335709.7	1101.4	202.581	133.745	33.4	242.748	34.6	19.317	0.423	0.761	60.9	0.870	52.9	-1.622	-0.050	1.8	1.623	BF exceeds limit NG
1151111.9	15335707.1	1101.7	207.998	137.872	33.5	249.544	35.3	19.858	0.455	0.791	60.1	0.912	54.3	-1.618	0.011	-0.4	1.618	BF exceeds limit NG
1151116.1	15335704.4	1101.7	210.732	139.968	33.6	252.980	35.6	20.132	0.466	0.809	60.1	0.933	53.2	-1.583	0.024	-0.9	1.583	BF exceeds limit NG
1151120.4	15335701.8	1101.7	213.154	141.833	33.6	256.030	35.8	20.374	0.477	0.823	59.9	0.951	52.2	-1.539	0.044	-1.6	1.540	BF exceeds limit NG
1151124.6	15335699.2	1101.8	216.939	144.761	33.7	260.804	36.3	20.754	0.504	0.839	59.0	0.979	53.4	-1.505	0.110	-4.2	1.509	BF exceeds limit NG
1151128.9	15335696.5	1101.9	220.229	147.321	33.8	264.961	36.6	21.085	0.528	0.852	58.2	1.002	54.5	-1.468	0.178	-6.9	1.479	BF exceeds limit NG
1151133.1	15335693.9	1101.8	222.150	148.822	33.8	267.392	36.9	21.278	0.542	0.857	57.7	1.014	54.5	-1.422	0.225	-9.0	1.439	BF exceeds limit NG
1151137.4	15335691.3	1101.7	223.381	149.787	33.8	268.951	37.0	21.402	0.550	0.857	57.3	1.019	54.2	-1.375	0.266	-11.0	1.401	BF exceeds limit NG
1151141.6	15335688.6	1101.4	222.959	149.458	33.8	268.419	37.0	21.360	0.545	0.850	57.3	1.009	52.5	-1.321	0.277	-11.9	1.350	BF exceeds limit NG
1151145.9	15335686.0	1101.0	220.929	147.872	33.8	265.849	36.7	21.156	0.525	0.835	57.8	0.987	49.1	-1.259	0.256	-11.5	1.285	BF exceeds limit NG
1151150.1	15335683.3	1100.6	218.868	146.268	33.8	263.244	36.5	20.948	0.506	0.821	58.4	0.964	45.8	-1.208	0.235	-11.0	1.230	BF exceeds limit NG
1151154.4	15335680.7	1100.3	218.294	145.823	33.7	262.520	36.4	20.891	0.498	0.813	58.5	0.954	44.4	-1.184	0.248	-11.8	1.210	BF exceeds limit NG
1151158.6	15335678.1	1100.0	217.572	145.264	33.7	261.609	36.3	20.818	0.488	0.807	58.9	0.943	42.8	-1.169	0.253	-12.2	1.196	BF exceeds limit NG
1151162.9	15335675.4	1099.8	216.799	144.666	33.7	260.634	36.3	20.741	0.477	0.802	59.3	0.933	41.2	-1.161	0.249	-12.1	1.187	BF exceeds limit NG
1151167.1	15335672.8	1099.5	216.270	144.258	33.7	259.967	36.2	20.688	0.467	0.801	59.8	0.928	39.7	-1.162	0.243	-11.8	1.187	BF exceeds limit NG
1151171.4	15335670.2	1099.5	217.763	145.418	33.7	261.853	36.4	20.838	0.473	0.809	59.7	0.938	40.8	-1.191	0.275	-13.0	1.222	BF exceeds limit NG
1151175.6	15335667.5	1099.5	219.184	146.525	33.8	263.650	36.5	20.981	0.478	0.819	59.7	0.948	41.7	-1.222	0.299	-13.7	1.258	BF exceeds limit NG
1151179.9	15335664.9	1099.5	220.531	147.577	33.8	265.355	36.7	21.116	0.483	0.829	59.8	0.959	42.3	-1.254	0.315	-14.1	1.293	BF exceeds limit NG
1151184.1	15335662.3	1099.4	221.802	148.572	33.8	266.964	36.8	21.244	0.487	0.839	59.9	0.970	42.8	-1.286	0.327	-14.3	1.327	BF exceeds limit NG
1151188.4	15335659.6	1099.4	222.994	149.508	33.8	268.475	37.0	21.365	0.490	0.848	60.0	0.980	43.1	-1.319	0.335	-14.2	1.361	BF exceeds limit NG
1151192.6	15335657.0	1099.4	223.735	150.090	33.9	269.415	37.1	21.439	0.490	0.856	60.2	0.986	42.9	-1.346	0.331	-13.8	1.386	BF exceeds limit NG
1151196.9	15335654.4	1099.2	223.897	150.142	33.8	269.579	37.0	21.452	0.484	0.859	60.6	0.986	41.7	-1.368	0.303	-12.5	1.401	BF exceeds limit NG
1151201.1	15335651.7	1099.1	223.710	149.996	33.8	269.342	37.0	21.434	0.477	0.862	61.0	0.986	40.4	-1.383	0.277	-11.3	1.410	BF exceeds limit NG
1151205.3	15335649.1	1099.0	223.505	149.837	33.8	269.083	37.0	21.413	0.471	0.866	61.4	0.986	39.1	-1.395	0.250	-10.2	1.417	BF exceeds limit NG
1151209.6	15335646.5	1099.0	225.068	151.064	33.9	271.064	37.1	21.571	0.480	0.876	61.3	0.999	40.0	-1.423	0.266	-10.6	1.447	BF exceeds limit NG
1151213.8	15335643.8	1099.1	227.133	152.690	33.9	273.685	37.4	21.779	0.493	0.887	60.9	1.015	41.5	-1.454	0.295	-11.5	1.484	BF exceeds limit NG
1151218.1	15335641.2	1099.2	229.275	154.381	34.0	276.407	37.6	21.996	0.508	0.899	60.5	1.032	43.1	-1.485	0.327	-12.4	1.521	BF exceeds limit NG
1151222.3	15335638.6	1099.3	231.010	155.756	34.0	278.613	37.8	22.171	0.519	0.908	60.3	1.046	44.3	-1.511	0.352	-13.1	1.551	BF exceeds limit NG
1151226.6	15335635.9	1099.3	231.225	155.928	34.0	278.888	37.8	22.193	0.518	0.911	60.4	1.048	43.9	-1.521	0.344	-12.8	1.559	BF exceeds limit NG
1151230.8	15335633.3	1099.2	230.970	155.727	34.0	278.564	37.8	22.167	0.514	0.911	60.6	1.046	43.2	-1.526	0.328	-12.1	1.561	BF exceeds limit NG
1151235.1	15335630.6	1099.1	230.624	155.454	34.0	278.124	37.8	22.132	0.509	0.909	60.7	1.042	42.5	-1.532	0.313	-11.6	1.564	BF exceeds limit NG
1151239.3	15335628.0	1099.0	230.186	155.108	34.0	277.568	37.7	22.088	0.504	0.907	60.9	1.038	41.8	-1.538	0.298	-11.0	1.566	BF exceeds limit NG
1151243.6	15335625.4	1099.0	229.658	154.691	34.0	276.897	37.7	22.035	0.498	0.905	61.2	1.032	41.1	-1.543	0.280	-10.3	1.568	BF exceeds limit NG
1151247.8	15335622.7	1098.9	228.969	154.147	33.9	276.022	37.6	21.965	0.491	0.902	61.5	1.027	40.2	-1.547	0.258	-9.5	1.569	BF exceeds limit NG
1151252.1	15335620.1	1098.8	228.072	153.440	33.9	274.883	37.5	21.875	0.482	0.899	61.8	1.020	39.1	-1.549	0.229	-8.4	1.566	BF exceeds limit NG
1151256.3	15335617.5	1098.7	227.090	152.667	33.9	273.637	37.4	21.775	0.473	0.897	62.2	1.014	37.8	-1.549	0.196	-7.2	1.562	BF exceeds limit NG
1151260.6	15335614.8	1098.6	226.024	151.829	33.9	272.284	37.2	21.668	0.463	0.896	62.7	1.009	36.3	-1.546	0.157	-5.8	1.554	BF exceeds limit NG
1151264.8	15335612.2	1098.8	228.393	153.698	33.9	275.293	37.5	21.907	0.481	0.908	62.1	1.028	38.8	-1.577	0.200	-7.2	1.590	BF exceeds limit NG
1151269.1	15335609.6	1099.1	231.226	155.941	34.0	278.896	37.8	22.194	0.503	0.922	61.4	1.051	41.8	-1.610	0.254	-9.0	1.630	BF exceeds limit NG
1151273.3	15335606.9	1099.1	231.513	156.170	34.0	279.262	37.9	22.223	0.506	0.926	61.4	1.055	41.8	-1.614	0.248	-8.7	1.633	BF exceeds limit NG
1151277.6	15335604.3	1099.2	231.708	156.326	34.0	279.511	37.9	22.243	0.508	0.929	61.3	1.059	41.9	-1.614	0.241	-8.5	1.632	BF exceeds limit NG
1151281.8	15335601.7	1099.2	231.811	156.409	34.0	279.643	37.9	22.253	0.510	0.931	61.3	1.061	41.9	-1.612	0.236	-8.3	1.629	BF exceeds limit NG
1151286.1	15335599.0	1099.3	231.815	156.414	34.0	279.649	37.9	22.254	0.511	0.931	61.2	1.062	41.9	-1.608	0.232	-8.2	1.625	BF exceeds limit NG
1151290.3	15335596.4	1099.3	231.619	156.259	34.0	279.400	37.9	22.234	0.511	0.929	61.2	1.060	41.8	-1.602	0.227	-8.1	1.618	BF exceeds limit NG
1151294.6	15335593.8	1099.4	231.330	156.032	34.0	279.033	37.9	22.205	0.510	0.926	61.2	1.057	41.7	-1.594	0.223	-8.0	1.610	BF exceeds limit NG
1151298.8	15335591.1	1099.4	230.950	155.732	34.0	278.550	37.8	22.166	0.508	0.922	61.2	1.053	41.4	-1.586	0.219	-7.9	1.601	BF exceeds limit NG
1151303.1	15335588.5	1099.5	230.525	155.396	34.0	278.010	37.8	22.123	0.506	0.918	61.2	1.048	41.2	-1.578	0.216	-7.8	1.593	BF exceeds limit NG
1151307.3	15335585.9	1099.5	230.250	155.179	34.0	277.661	37.7	22.096	0.505	0.915	61.1	1.045	41.2	-1.573	0.217	-7.8	1.587	BF exceeds limit NG
1151311.6	15335583.2	1099.6	229.883	154.890	34.0	277.195	37.7	22.058	0.503	0.911	61.1	1.041	41.1	-1.567	0.215	-7.8	1.582	BF exceeds limit NG
1151315.8	15335580.6	1099.7	229.425	154.530	34.0	276.614	37.6	22.012	0.501	0.908	61.1	1.037	40.9	-1.563	0.210	-7.6	1.577	BF exceeds limit NG
1151320.1	15335578.0	1099.8	229.144	154.308	34.0	276.257	37.6	21.984	0.500	0.905	61.1	1.034	41.0	-1.562	0.207	-7.5	1.575	BF exceeds limit NG
1151324.3	15335575.3	1099.9	229.022	154.214	34.0	276.103	37.6	21.972	0.499	0.904	61.1	1.032	41.2	-1.565	0.206	-7.5	1.578	BF exceeds limit NG
1151328.6	15335572.7	1100.0	228.810	154.047	34.0	275.834	37.6	21.950	0.498	0.902	61.1	1.031	41.2	-1.568	0.199	-7.2	1.581	BF exceeds limit NG
1151332.8	15335570.0	1100.1	227.994	153.404	33.9	274.798	37.5	21.868	0.492	0.900	61.3	1.025	40.6	-1.567	0.175	-6.4	1.577	BF exceeds limit NG
1151337.1	15335567.4	1100.1	226.923	152.561	33.9	273.439	37.4	21.760	0.484	0.897	61.7	1.019	39.6	-1.564	0.141	-5.1	1.570	BF exceeds limit NG
1151341.3	15335564.8	1100.2	225.770	151.654	33.9	271.976	37.2	21.643	0.475	0.895	62.0	1.013	38.4	-1.561	0.100	-3.7	1.564	BF exceeds limit NG
1151345.6	15335562.1	1100.4	226.331	152.097	33.9	272.689	37.3	21.700	0.480	0.900	61.9	1.020	39.2	-1.577	0.099	-3.6	1.580	BF exceeds limit NG
1151349.8	15335559.5	1100.7	227.708	153.184	33.9	274.438	37.5	21.839	0.491	0.908	61.6	1.033	41.0	-1.602	0.116	-4.1	1.606	BF exceeds limit NG
1151354.1	15335556.9	1101.0	228.865	154.099	34.0	275.909	37.6	21.956	0.501	0.916	61.3	1.044	42.5	-1.626	0.127	-4.5	1.631	BF exceeds limit NG
1151358.3	15335554.2	1101.3	229.719	154.777	34.0	276.996	37.7	22.043	0.508	0.922	61.1	1.053	43.7	-1.649	0.132	-4.6	1.655	BF exceeds limit NG
1151362.6	15335551.6	1101.4	229.217	154.381	34.0	276.358	37.6	21.992	0.504	0.922	61.3	1.050	43.4	-1.661	0.106	-3.6	1.664	BF exceeds limit NG
1151366.8	15335549.0	1101.6	228.538	153.845	33.9	275.496	37.6	21.923	0.498	0.920	61.6	1.046	43.1	-1.673	0.079	-2.7	1.675	BF exceeds limit NG
1151371.1	15335546.3	1101.7	227.771	153.241	33.9	274.522	37.5	21.846	0.491	0.917	61.8	1.040	42.7	-1.686	0.052	-1.8	1.687	BF exceeds limit NG
1151375.3	15335543.7	1101.9	226.689	152.389	33.9	273.149	37.3	21.737	0.481	0.912	62.2	1.031	42.0	-1.698	0.021	-0.7	1.698	BF exceeds limit NG
1151379.6	15335541.1	1102.0	225.389	151.367	33.9	271.500	37.2	21.605	0.469	0.906	62.6	1.020	41.1	-1.706	-0.013	0.4	1.707	BF exceeds limit NG
1151383.8	15335538.4	1102.1	224.482	150.655	33.9	270.350	37.1	21.514	0.461	0.901	62.9	1.012	40.7	-1.717	-0.035	1.2	1.718	BF exceeds limit NG
1151388.1	15335535.8	1102.3	223.585	149.954	33.8	269.215	37.0	21.423	0.454	0.896	63.1	1.005	40.4	-1.725	-0.055	1.8	1.726	BF exceeds limit NG
1151392.3	15335533.2	1102.5	222.858	149.385	33.8	268.293	36.9	21.350	0.450	0.892	63.2	0.999	40.3	-1.729	-0.071	2.3	1.731	BF exceeds limit NG
1151396.6	15335530.5	1102.7	222.046	148.750	33.8	267.266	36.8	21.268	0.446	0.888	63.3	0.993	40.1	-1.727	-0.087	2.9	1.729	BF exceeds limit NG

1151400.8	15335527.9	1102.9	221.151	148.052	33.8	266.134	36.7	21.178	0.443	0.883	63.4	0.988	39.9	-1.717	-0.106	3.5	1.720	BF exceeds limit NG
1151405.1	15335525.3	1103.1	220.663	147.673	33.8	265.517	36.7	21.129	0.444	0.880	63.2	0.986	40.2	-1.704	-0.113	3.8	1.708	BF exceeds limit NG
1151409.3	15335522.6	1103.4	220.528	147.569	33.8	265.347	36.7	21.116	0.450	0.879	62.9	0.987	40.9	-1.689	-0.110	3.7	1.692	BF exceeds limit NG
1151413.6	15335520.0	1103.7	220.241	147.346	33.8	264.985	36.6	21.087	0.454	0.876	62.6	0.987	41.6	-1.666	-0.108	3.7	1.670	BF exceeds limit NG
1151417.8	15335517.3	1104.1	220.848	147.896	33.8	265.796	36.8	21.151	0.470	0.877	61.8	0.995	43.7	-1.648	-0.065	2.3	1.650	BF exceeds limit NG
1151422.1	15335514.7	1104.5	221.664	148.534	33.8	266.828	36.9	21.234	0.485	0.876	61.0	1.002	45.9	-1.630	-0.030	1.0	1.631	BF exceeds limit NG
1151426.3	15335512.1	1104.8	221.951	148.759	33.8	267.192	36.9	21.262	0.496	0.873	60.4	1.004	47.6	-1.606	-0.004	0.1	1.606	BF exceeds limit NG
1151430.6	15335509.4	1105.0	219.724	147.018	33.8	264.373	36.6	21.038	0.486	0.859	60.5	0.987	46.6	-1.557	-0.036	1.3	1.557	BF exceeds limit NG
1151434.8	15335506.8	1105.2	218.310	145.916	33.8	262.585	36.5	20.896	0.484	0.848	60.3	0.977	46.8	-1.516	-0.045	1.7	1.517	BF exceeds limit NG
1151439.1	15335504.2	1105.4	216.824	144.761	33.7	260.707	36.3	20.746	0.482	0.837	60.1	0.966	47.0	-1.476	-0.055	2.1	1.477	BF exceeds limit NG
1151443.3	15335501.5	1105.6	215.268	143.554	33.7	258.743	36.1	20.590	0.480	0.826	59.8	0.955	47.4	-1.437	-0.066	2.6	1.438	BF exceeds limit NG
1151447.6	15335498.9	1105.8	213.644	142.297	33.7	256.695	36.0	20.427	0.478	0.815	59.6	0.945	47.9	-1.398	-0.079	3.2	1.401	BF exceeds limit NG
1151451.8	15335496.3	1106.0	212.115	141.118	33.6	254.768	35.8	20.274	0.478	0.804	59.3	0.936	48.8	-1.364	-0.089	3.7	1.367	BF exceeds limit NG
1151456.1	15335493.6	1106.3	210.782	140.091	33.6	253.090	35.6	20.140	0.481	0.795	58.8	0.929	50.2	-1.334	-0.093	4.0	1.338	BF exceeds limit NG
1151460.3	15335491.0	1106.5	209.492	139.100	33.6	251.467	35.5	20.011	0.485	0.785	58.3	0.923	51.9	-1.310	-0.095	4.1	1.314	BF exceeds limit NG
1151464.6	15335488.4	1106.8	208.132	138.057	33.6	249.757	35.3	19.875	0.489	0.775	57.8	0.916	54.0	-1.292	-0.096	4.2	1.295	BF exceeds limit NG
1151468.8	15335485.7	1107.1	206.681	136.947	33.5	247.934	35.2	19.730	0.492	0.764	57.2	0.908	56.2	-1.280	-0.096	4.3	1.283	BF exceeds limit NG
1151473.1	15335483.1	1107.2	203.847	134.785	33.5	244.377	34.9	19.447	0.483	0.746	57.1	0.889	57.1	-1.262	-0.123	5.6	1.268	BF exceeds limit NG
1151477.3	15335480.5	1107.2	199.803	131.717	33.4	239.313	34.4	19.044	0.463	0.724	57.4	0.859	56.6	-1.242	-0.174	8.0	1.254	BF exceeds limit NG
1151481.6	15335477.8	1107.1	195.796	128.695	33.3	234.304	33.9	18.645	0.444	0.701	57.6	0.830	56.4	-1.231	-0.220	10.1	1.250	BF exceeds limit NG
1151485.8	15335475.2	1107.1	191.827	125.720	33.2	229.354	33.5	18.251	0.426	0.678	57.9	0.800	56.5	-1.229	-0.260	11.9	1.256	BF exceeds limit NG
1151490.1	15335472.6	1107.1	187.899	122.793	33.2	224.464	33.0	17.862	0.408	0.654	58.1	0.771	56.9	-1.234	-0.295	13.4	1.269	BF exceeds limit NG
1151494.3	15335469.9	1107.1	183.639	119.638	33.1	219.172	32.6	17.441	0.387	0.630	58.4	0.739	56.8	-1.243	-0.334	15.0	1.287	BF exceeds limit NG
1151498.6	15335467.3	1106.9	178.965	116.199	33.0	213.379	32.0	16.980	0.363	0.604	58.9	0.705	56.2	-1.252	-0.379	16.8	1.308	BF exceeds limit NG
1151502.8	15335464.6	1106.8	174.392	112.859	32.9	207.725	31.5	16.530	0.341	0.578	59.4	0.671	55.7	-1.266	-0.419	18.3	1.333	BF exceeds limit NG
1151507.1	15335462.0	1106.7	169.922	109.614	32.8	202.210	31.0	16.091	0.321	0.553	59.9	0.640	55.4	-1.283	-0.455	19.5	1.361	BF exceeds limit NG
1151511.3	15335459.4	1106.6	165.554	106.465	32.7	196.832	30.5	15.663	0.303	0.529	60.2	0.610	55.2	-1.302	-0.487	20.5	1.390	
1151515.6	15335456.7	1106.4	160.633	102.940	32.7	190.787	29.9	15.182	0.279	0.504	61.0	0.576	53.9	-1.319	-0.530	21.9	1.421	
1151519.8	15335454.1	1106.4	157.298	100.566	32.6	186.698	29.5	14.857	0.272	0.484	60.6	0.555	55.6	-1.347	-0.538	21.8	1.450	
1151524.1	15335451.5	1106.2	153.263	97.709	32.5	181.760	29.1	14.464	0.259	0.462	60.8	0.530	55.7	-1.371	-0.560	22.2	1.481	
1151528.3	15335448.8	1106.0	148.842	94.596	32.4	176.358	28.6	14.034	0.242	0.440	61.2	0.502	55.0	-1.394	-0.590	22.9	1.513	
1151532.6	15335446.2	1105.9	144.557	91.599	32.4	171.135	28.1	13.618	0.227	0.418	61.5	0.475	54.2	-1.418	-0.616	23.5	1.546	
1151536.8	15335443.6	1105.6	139.856	88.332	32.3	165.416	27.5	13.163	0.207	0.395	62.3	0.446	52.3	-1.441	-0.651	24.3	1.581	
1151541.0	15335440.9	1105.2	134.977	84.964	32.2	159.492	26.9	12.692	0.186	0.372	63.5	0.416	49.6	-1.465	-0.689	25.2	1.619	
1151545.3	15335438.3	1105.0	131.123	82.319	32.1	154.822	26.5	12.320	0.175	0.353	63.6	0.394	48.7	-1.494	-0.707	25.3	1.653	
1151549.5	15335435.7	1104.7	127.052	79.542	32.0	149.897	26.0	11.928	0.163	0.334	64.0	0.371	46.9	-1.523	-0.730	25.6	1.689	
1151553.8	15335433.0	1104.4	123.143	76.889	32.0	145.176	25.5	11.553	0.152	0.315	64.2	0.350	45.0	-1.551	-0.751	25.8	1.724	
1151558.0	15335430.4	1104.2	119.397	74.360	31.9	140.660	25.1	11.193	0.144	0.298	64.3	0.331	43.0	-1.580	-0.771	26.0	1.758	
1151562.3	15335427.8	1103.7	114.873	71.324	31.8	135.214	24.5	10.760	0.126	0.279	65.6	0.306	38.7	-1.609	-0.808	26.7	1.800	
1151566.5	15335425.1	1103.1	110.347	68.305	31.8	129.777	23.9	10.327	0.109	0.260	67.3	0.282	33.7	-1.638	-0.846	27.3	1.843	
1151570.8	15335422.5	1102.5	106.095	65.486	31.7	124.678	23.4	9.922	0.095	0.244	68.7	0.261	28.6	-1.668	-0.882	27.9	1.886	
1151575.0	15335419.9	1102.1	102.497	63.113	31.6	120.369	22.9	9.579	0.088	0.229	69.0	0.246	24.8	-1.697	-0.908	28.1	1.925	
1151579.3	15335417.2	1101.7	99.456	61.116	31.6	116.733	22.5	9.289	0.087	0.218	68.2	0.234	22.2	-1.724	-0.927	28.3	1.958	
1151583.5	15335414.6	1101.4	96.617	59.259	31.5	113.342	22.2	9.019	0.088	0.207	67.0	0.225	19.7	-1.750	-0.946	28.4	1.990	
1151587.8	15335412.0	1101.0	93.974	57.537	31.5	110.189	21.8	8.769	0.089	0.198	65.7	0.217	17.4	-1.775	-0.964	28.5	2.020	
1151592.0	15335409.3	1100.7	91.537	55.955	31.4	107.284	21.5	8.537	0.091	0.190	64.3	0.210	15.3	-1.799	-0.982	28.6	2.049	
1151596.3	15335406.7	1100.4	89.338	54.531	31.4	104.666	21.2	8.329	0.094	0.183	62.8	0.205	13.5	-1.821	-0.998	28.7	2.077	
1151600.5	15335404.0	1100.2	87.748	53.504	31.4	102.774	21.0	8.178	0.100	0.178	60.6	0.204	12.8	-1.840	-1.005	28.6	2.097	
1151604.8	15335401.4	1100.0	86.363	52.612	31.3	101.127	20.8	8.047	0.106	0.174	58.6	0.204	12.1	-1.858	-1.011	28.6	2.115	
1151609.0	15335398.8	1099.8	85.194	51.860	31.3	99.737	20.6	7.937	0.112	0.171	56.7	0.205	11.4	-1.874	-1.014	28.4	2.131	
1151613.3	15335396.1	1099.6	84.237	51.246	31.3	98.600	20.5	7.846	0.119	0.169	55.0	0.207	10.6	-1.890	-1.015	28.2	2.145	

Max BF along centerline is 279.649 (mG) at 345.000 (ft) from structure Undefined (#135 in line)

Cross section results at max BF along centerline between structures Undefined (#135 in line) and Undefined (#136 in line)


MAGNETIC FIELD VS. OFFSET RELATIVE TO LINE BETWEEN ST
345 (FT) AHEAD OF STRUCTURE UNDEFINED (#135 IN LINE)
MAGNETIC FIELD (MG)
300
280
260
240
220
200
180
160
140
120
100
80
60
40
20
0
-180 -160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 160 180
OFFSET (FT)



3D EMF Point Results Span from Undefined (#135 in line) to Undefined (#136 in line):

Measurement			B					H	EF					Space Potential			
X (ft)	Y (ft)	Z (ft)	Real (mG)	Imaginary (mG)	Angle (deg)	Magnitude (mG)	Polarization Axial Ratio %	Magnitude (A/m)	Real (kV/m)	Imaginary (kV/m)	Angle (deg)	Magnitude (kV/m)	Polarization Axial Ratio %	Real (kV)	Imaginary (kV)	Angle (deg)	Magnitude (kV)
1151378.3	15335747.8	1107.5	10.151	5.020	26.3	11.324	0.8	0.901	0.055	0.009	9.2	0.056	1.2	0.105	-0.013	-7.3	0.106
1151375.7	15335743.5	1107.2	10.754	5.295	26.2	11.986	0.9	0.954	0.059	0.010	9.5	0.060	1.1	0.111	-0.012	-6.3	0.112
1151373.0	15335739.3	1106.9	11.412	5.592	26.1	12.708	0.9	1.011	0.065	0.011	9.8	0.066	1.1	0.117	-0.011	-5.3	0.118
1151370.4	15335735.0	1106.6	12.131	5.914	26.0	13.496	1.0	1.074	0.071	0.012	10.0	0.072	1.0	0.124	-0.009	-4.3	0.124
1151367.8	15335730.8	1106.2	12.920	6.265	25.9	14.359	1.1	1.143	0.077	0.014	10.3	0.078	0.9	0.131	-0.008	-3.3	0.131
1151365.1	15335726.5	1105.9	13.789	6.648	25.7	15.308	1.2	1.218	0.085	0.016	10.5	0.086	0.8	0.139	-0.006	-2.4	0.139
1151362.5	15335722.3	1105.6	14.748	7.067	25.6	16.353	1.3	1.301	0.093	0.018	10.8	0.095	0.8	0.148	-0.004	-1.4	0.148
1151359.9	15335718.0	1105.3	15.809	7.526	25.5	17.509	1.4	1.393	0.103	0.020	11.0	0.105	0.7	0.158	-0.001	-0.4	0.158
1151357.2	15335713.8	1105.0	16.988	8.032	25.3	18.791	1.5	1.495	0.114	0.023	11.2	0.116	0.7	0.169	0.002	0.6	0.169
1151354.6	15335709.5	1104.7	18.302	8.590	25.1	20.218	1.7	1.609	0.126	0.026	11.4	0.129	0.6	0.182	0.005	1.5	0.182
1151352.0	15335705.3	1104.4	19.772	9.207	25.0	21.811	1.8	1.736	0.141	0.029	11.6	0.144	0.6	0.196	0.008	2.5	0.196
1151349.3	15335701.0	1104.1	21.423	9.891	24.8	23.597	2.0	1.878	0.158	0.033	11.8	0.162	0.5	0.211	0.012	3.4	0.212
1151346.7	15335696.8	1103.8	23.292	10.656	24.6	25.614	2.2	2.038	0.178	0.038	11.9	0.182	0.5	0.232	0.018	4.4	0.233
1151344.1	15335692.5	1103.8	25.435	11.520	24.4	27.922	2.4	2.222	0.201	0.043	12.0	0.206	0.5	0.268	0.026	5.6	0.269
1151341.4	15335688.3	1103.7	27.881	12.492	24.1	30.552	2.6	2.431	0.228	0.049	12.1	0.234	0.4	0.309	0.036	6.7	0.311
1151338.8	15335684.0	1103.6	30.691	13.591	23.9	33.566	2.8	2.671	0.261	0.057	12.2	0.267	0.4	0.359	0.048	7.7	0.362
1151336.2	15335679.8	1103.5	33.923	14.833	23.6	37.024	3.1	2.946	0.299	0.065	12.3	0.307	0.4	0.413	0.062	8.5	0.417
1151333.5	15335675.5	1103.3	37.650	16.242	23.3	41.004	3.5	3.263	0.346	0.076	12.3	0.354	0.4	0.468	0.075	9.2	0.474
1151330.9	15335671.3	1103.1	41.990	17.854	23.0	45.628	3.9	3.631	0.402	0.088	12.3	0.411	0.4	0.531	0.091	9.8	0.539
1151328.2	15335667.0	1102.4	46.885	19.651	22.7	50.837	4.4	4.045	0.469	0.103	12.3	0.481	0.4	0.544	0.097	10.1	0.552
1151325.6	15335662.8	1102.2	52.863	21.790	22.4	57.178	5.0	4.550	0.552	0.121	12.3	0.565	0.4	0.628	0.118	10.7	0.639
1151323.0	15335658.5	1102.0	59.958	24.281	22.0	64.688	5.6	5.148	0.652	0.142	12.3	0.667	0.5	0.727	0.144	11.2	0.741

1151320.3	15335654.3	1101.8	68.423	27.199	21.7	73.631	6.4	5.859	0.774	0.169	12.3	0.792	0.5	0.844	0.175	11.7	0.862	
1151317.7	15335650.0	1101.7	78.560	30.639	21.3	84.324	7.3	6.710	0.922	0.201	12.3	0.944	0.6	0.980	0.212	12.2	1.003	
1151315.1	15335645.8	1101.5	90.776	34.733	20.9	97.194	8.4	7.734	1.101	0.241	12.3	1.127	0.8	1.146	0.259	12.8	1.175	
1151312.4	15335641.5	1101.4	105.438	39.632	20.6	112.640	9.7	8.964	1.311	0.290	12.5	1.342	1.1	1.337	0.319	13.4	1.374	
1151309.8	15335637.3	1101.2	122.849	45.519	20.3	131.011	11.3	10.426	1.548	0.353	12.8	1.588	1.4	1.536	0.391	14.3	1.585	
1151307.2	**15335633.0**	**1101.1**	**143.109**	**52.625**	**20.2**	**152.478**	**13.3**	**12.134**	**1.799**	**0.431**	**13.5**	**1.850**	**2.0**	**1.721**	**0.481**	**15.6**	**1.787**	**EF exceeds limit NG**
1151304.5	**15335628.8**	**1101.0**	**165.821**	**61.217**	**20.3**	**176.760**	**15.6**	**14.066**	**2.030**	**0.529**	**14.6**	**2.098**	**3.0**	**1.848**	**0.588**	**17.7**	**1.939**	**EF exceeds limit NG**
1151301.9	**15335624.5**	**1100.7**	**188.927**	**71.395**	**20.7**	**201.967**	**18.5**	**16.072**	**2.184**	**0.652**	**16.6**	**2.280**	**4.3**	**1.785**	**0.695**	**21.3**	**1.916**	**BF and EF exceed limits NG**
1151299.3	**15335620.3**	**1100.5**	**210.559**	**83.429**	**21.6**	**226.485**	**22.0**	**18.023**	**2.192**	**0.797**	**20.0**	**2.332**	**6.3**	**1.523**	**0.803**	**27.8**	**1.722**	**BF and EF exceed limits NG**
1151296.6	**15335616.0**	**1100.2**	**228.032**	**97.344**	**23.1**	**247.940**	**25.9**	**19.730**	**1.995**	**0.955**	**25.6**	**2.212**	**9.3**	**1.043**	**0.892**	**40.5**	**1.372**	**BF and EF exceed limits NG**
1151294.0	**15335611.8**	**1100.0**	**239.246**	**112.845**	**25.3**	**264.524**	**30.1**	**21.050**	**1.586**	**1.096**	**34.7**	**1.928**	**13.8**	**0.391**	**0.926**	**67.1**	**1.005**	**BF and EF exceed limits NG**
1151291.4	**15335607.5**	**1099.7**	**243.206**	**129.025**	**27.9**	**275.312**	**34.1**	**21.909**	**1.027**	**1.175**	**48.8**	**1.560**	**20.6**	**-0.342**	**0.856**	**-68.2**	**0.921**	**BF exceeds limit NG**
1151288.7	**15335603.3**	**1099.5**	**240.244**	**144.238**	**31.0**	**280.218**	**37.0**	**22.299**	**0.485**	**1.132**	**66.8**	**1.232**	**30.7**	**-1.041**	**0.629**	**-31.2**	**1.216**	**BF exceeds limit NG**
1151286.1	**15335599.0**	**1099.3**	**231.815**	**156.414**	**34.0**	**279.649**	**37.9**	**22.254**	**0.511**	**0.931**	**61.2**	**1.062**	**41.9**	**-1.608**	**0.232**	**-8.2**	**1.625**	**BF exceeds limit NG**
1151283.5	**15335594.8**	**1099.0**	**219.500**	**163.429**	**36.7**	**273.659**	**36.5**	**21.777**	**0.942**	**0.592**	**32.1**	**1.112**	**39.7**	**-1.988**	**-0.295**	**8.4**	**2.010**	**BF exceeds limit NG**
1151280.8	**15335590.5**	**1098.8**	**204.924**	**164.261**	**38.7**	**262.632**	**33.3**	**20.900**	**1.304**	**0.346**	**14.9**	**1.349**	**25.9**	**-2.176**	**-0.844**	**21.2**	**2.334**	**BF exceeds limit NG**
1151278.2	**15335586.3**	**1098.6**	**188.837**	**158.834**	**40.1**	**246.755**	**29.4**	**19.636**	**1.536**	**0.622**	**22.0**	**1.657**	**14.9**	**-2.195**	**-1.300**	**30.6**	**2.551**	**BF and EF exceed limits NG**
1151275.5	**15335582.0**	**1098.3**	**171.600**	**148.121**	**40.8**	**226.686**	**25.4**	**18.039**	**1.637**	**0.993**	**31.2**	**1.915**	**8.2**	**-2.080**	**-1.579**	**37.2**	**2.611**	**BF and EF exceed limits NG**
1151272.9	**15335577.8**	**1098.1**	**153.770**	**133.953**	**41.1**	**203.933**	**21.8**	**16.228**	**1.625**	**1.243**	**37.4**	**2.046**	**4.5**	**-1.878**	**-1.663**	**41.5**	**2.508**	**BF and EF exceed limits NG**
1151270.3	**15335573.5**	**1098.0**	**136.552**	**118.826**	**41.0**	**181.014**	**18.6**	**14.405**	**1.529**	**1.345**	**41.4**	**2.036**	**2.5**	**-1.678**	**-1.632**	**44.2**	**2.341**	**EF exceeds limit NG**
1151267.6	**15335569.3**	**1097.9**	**120.006**	**103.522**	**40.8**	**158.488**	**16.0**	**12.612**	**1.381**	**1.324**	**43.8**	**1.913**	**1.3**	**-1.455**	**-1.499**	**45.8**	**2.089**	**EF exceeds limit NG**
1151265.0	**15335565.0**	**1097.7**	**104.817**	**89.241**	**40.4**	**137.661**	**13.7**	**10.955**	**1.212**	**1.225**	**45.3**	**1.723**	**0.6**	**-1.235**	**-1.314**	**46.8**	**1.803**	**EF exceeds limit NG**
1151262.4	15335560.8	1097.6	91.351	76.590	40.0	119.210	11.9	9.486	1.043	1.090	46.3	1.509	0.3	-1.033	-1.118	47.3	1.522	
1151259.7	15335556.5	1097.4	79.462	65.499	39.5	102.977	10.3	8.195	0.888	0.947	46.8	1.298	0.2	-0.821	-0.894	47.5	1.213	
1151257.1	15335552.3	1097.0	69.291	56.148	39.0	89.184	9.1	7.097	0.753	0.811	47.2	1.107	0.3	-0.632	-0.687	47.4	0.934	
1151254.5	15335548.0	1096.8	60.833	48.515	38.6	77.810	8.0	6.192	0.637	0.691	47.3	0.940	0.3	-0.504	-0.544	47.2	0.741	
1151251.8	15335543.8	1096.6	53.670	42.157	38.1	68.247	7.1	5.431	0.540	0.588	47.5	0.798	0.3	-0.399	-0.425	46.8	0.584	
1151249.2	15335539.5	1096.4	47.614	36.872	37.8	60.222	6.4	4.792	0.459	0.501	47.5	0.679	0.2	-0.320	-0.334	46.3	0.463	
1151246.6	15335535.3	1096.2	42.475	32.459	37.4	53.458	5.7	4.254	0.391	0.428	47.6	0.580	0.2	-0.259	-0.266	45.7	0.371	
1151243.9	15335531.0	1096.1	38.113	28.773	37.1	47.755	5.2	3.800	0.336	0.367	47.6	0.497	0.1	-0.220	-0.221	45.1	0.312	
1151241.3	15335526.8	1096.1	34.375	25.660	36.7	42.896	4.7	3.414	0.289	0.317	47.6	0.429	0.1	-0.193	-0.190	44.6	0.271	
1151238.7	15335522.5	1096.0	31.137	22.999	36.5	38.710	4.2	3.080	0.250	0.275	47.6	0.372	0.0	-0.171	-0.165	44.1	0.238	
1151236.0	15335518.3	1096.0	28.319	20.712	36.2	35.085	3.9	2.792	0.218	0.239	47.7	0.324	0.0	-0.152	-0.144	43.6	0.210	
1151233.4	15335514.0	1095.9	25.856	18.737	35.9	31.931	3.5	2.541	0.191	0.210	47.7	0.283	0.0	-0.136	-0.127	43.1	0.187	
1151230.8	15335509.8	1095.8	23.677	17.010	35.7	29.154	3.2	2.320	0.167	0.185	47.8	0.249	0.1	-0.118	-0.107	42.4	0.159	
1151228.1	15335505.5	1095.4	21.731	15.481	35.5	26.681	3.0	2.123	0.148	0.164	47.9	0.220	0.1	-0.092	-0.080	40.9	0.122	
1151225.5	15335501.3	1095.0	20.010	14.145	35.3	24.505	2.8	1.950	0.131	0.145	48.0	0.196	0.1	-0.071	-0.057	38.7	0.091	
1151222.8	15335497.0	1094.6	18.484	12.971	35.1	22.581	2.6	1.797	0.117	0.130	48.1	0.175	0.2	-0.053	-0.038	35.3	0.065	
1151220.2	15335492.8	1094.6	17.162	11.965	34.9	20.921	2.4	1.665	0.104	0.117	48.2	0.156	0.2	-0.054	-0.039	35.9	0.067	
1151217.6	15335488.5	1094.8	15.980	11.075	34.7	19.443	2.2	1.547	0.093	0.105	48.4	0.141	0.2	-0.057	-0.043	37.2	0.072	
1151214.9	15335484.3	1094.9	14.914	10.277	34.6	18.112	2.1	1.441	0.084	0.095	48.5	0.127	0.3	-0.059	-0.046	38.0	0.074	
1151212.3	15335480.0	1095.1	13.948	9.560	34.4	16.910	1.9	1.346	0.076	0.086	48.7	0.115	0.3	-0.060	-0.048	38.7	0.077	
1151209.7	15335475.8	1095.1	13.068	8.910	34.3	15.816	1.8	1.259	0.069	0.079	48.8	0.104	0.3	-0.058	-0.047	38.8	0.074	
1151207.0	15335471.5	1095.1	12.266	8.323	34.2	14.823	1.7	1.180	0.062	0.072	49.0	0.095	0.4	-0.056	-0.045	38.9	0.072	
1151204.4	15335467.3	1095.1	11.535	7.791	34.0	13.920	1.6	1.108	0.057	0.066	49.2	0.087	0.4	-0.054	-0.043	38.9	0.069	
1151201.8	15335463.1	1095.1	10.868	7.308	33.9	13.096	1.5	1.042	0.052	0.061	49.4	0.080	0.4	-0.052	-0.042	39.0	0.067	
1151199.1	15335458.8	1095.1	10.256	6.868	33.8	12.343	1.4	0.982	0.048	0.056	49.6	0.073	0.4	-0.050	-0.040	39.0	0.064	
1151196.5	15335454.6	1095.1	9.694	6.466	33.7	11.652	1.3	0.927	0.044	0.052	49.8	0.068	0.5	-0.048	-0.039	39.1	0.062	
1151193.9	15335450.3	1095.0	9.175	6.097	33.6	11.016	1.2	0.877	0.040	0.048	50.0	0.062	0.5	-0.045	-0.037	38.8	0.058	

Critical Energy/Electric Infrastructure Information (CEII) Has Been Redacted From This Document

PLS-CADD Version 20.01x64 7:35:01 AM Monday, March 3, 2025
Quanta Services - Dashiell
Project Name: 'C:\projects\L72\5269-T0072-700 REV 0-0G PLS CADD MODEL.don'
Line Title: 'EMF Existing Conditions - L69 Tower Section'

3D EMF Calculation Notes:
1) Calculations based on the EPRI Red Book methods (3rd Edition, 2005 - 7.4 Calculation of Magnetic Fields and Appendices 7.1 Calculation of Field Ellipse Parameters and 7.6 Electric Field Calculations for 3D Geometry).
2) All wire positions are modeled at the specified weather case and wind direction. Height above ground determined by the modeled ground TIN.
3) Only the effects of wires are being analyzed. The effects of structures are not included unless enabled as noted below.
4) Ground return is being ignored for magnetic field calculations.

Meter height above ground:	3.28	(ft)
Maximum wire distance:	500.00	(ft)
Maximum cable segment size:	5.00	(ft)
Cross section offset +/-:	150.00	(ft)
Result interval:	5.00	(ft)
Electric field limit:	1.60	(kV/m)
Magnetic field limit:	200.00	(mG)
Space potential limit:	0.00	(kV)
Contour Map Spacing:	15	(ft)
Analyzing spans between these structures:	69/72-3 - 69/72-2	

One or more sections have wind from both directions which is not supported. A wind direction of left is being used for those sections.

Section Data for 3D EMF Results:

Section Number	Section Note	Voltage Ph-Ph (kV)	Current (Amps)	Cable Filename	Cable Description	Conductors Per Phase	Bundle Diameter (in)	Cable Radius (in)	Weather Case	Condition	Wind Dir.	WC Temperature (deg F)	Effective Radius (in)
3		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
4		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
7		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
9		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
12	69	0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
13	69	0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
16		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
18		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
127	72	230.0	[redacted]	bunting_acsr.wir	1192.5 kcmil 45/7 Strands BUNTING ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.651	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.651
128	72	230.0	[redacted]	bunting_acsr.wir	1192.5 kcmil 45/7 Strands BUNTING ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.651	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.651
131	70	230.0	[redacted]	bunting_acsr.wir	1192.5 kcmil 45/7 Strands BUNTING ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.651	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.651
132	70	230.0	[redacted]	bunting_acsr.wir	1192.5 kcmil 45/7 Strands BUNTING ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.651	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.651
134	69	230.0	[redacted]	bunting_acsr.wir	1192.5 kcmil 45/7 Strands BUNTING ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.651	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.651
135	69	230.0	[redacted]	bunting_acsr.wir	1192.5 kcmil 45/7 Strands BUNTING ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.651	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.651

Could not find ground from TIN for one or more wires in span #1. Interpolating between structure bases to determine ground. ??

Centerline results between structures 69/72-3 and 69/72-2

3D EMF Point Results Centerline from 69/72-3 to 69/72-2:

Measurement X (ft)	Measurement Y (ft)	Measurement Z (ft)	B Real (mG)	B Imaginary (mG)	B Angle (deg)	B Magnitude (mG)	B Polarization Axial Ratio %	H Magnitude (A/m)	EF Real (kV/m)	EF Imaginary (kV/m)	EF Angle (deg)	EF Magnitude (kV/m)	EF Polarization Axial Ratio %	Space Potential Real (kV)	Space Potential Imaginary (kV)	Space Potential Angle (deg)	Space Potential Magnitude (kV)		
1155804.3	15298121.4	1125.4	101.228	87.016	40.7	133.487	2.1	10.623	1.162	1.202	46.0	1.672	1.1	-1.587	-1.632	45.8	2.276	EF exceeds limit	NG
1155800.2	15298118.6	1125.1	102.573	88.461	40.8	135.449	2.1	10.779	1.173	1.217	46.1	1.690	1.1	-1.734	-1.765	45.5	2.474	EF exceeds limit	NG
1155796.1	15298115.7	1124.9	104.092	90.114	40.9	137.680	2.1	10.956	1.185	1.234	46.2	1.710	1.0	-1.896	-1.917	45.3	2.696	EF exceeds limit	NG
1155792.0	15298112.9	1124.7	105.787	91.977	41.0	140.181	2.1	11.155	1.198	1.251	46.3	1.732	1.0	-2.072	-2.090	45.2	2.943	EF exceeds limit	NG
1155787.9	15298110.0	1124.4	107.396	93.773	41.1	142.574	2.1	11.346	1.212	1.270	46.3	1.755	1.0	-2.225	-2.242	45.2	3.159	EF exceeds limit	NG
1155783.8	15298107.2	1123.9	108.995	95.579	41.2	144.966	2.1	11.536	1.225	1.288	46.4	1.778	0.9	-2.367	-2.387	45.2	3.362	EF exceeds limit	NG
1155779.6	15298104.3	1122.6	108.384	95.045	41.2	144.155	2.1	11.472	1.237	1.303	46.5	1.797	1.0	-2.163	-2.173	45.1	3.066	EF exceeds limit	NG
1155775.5	15298101.5	1119.9	104.973	91.540	41.1	139.280	2.1	11.084	1.246	1.313	46.5	1.810	1.0	-1.505	-1.483	44.6	2.113	EF exceeds limit	NG
1155771.4	15298098.7	1117.6	102.275	88.800	41.0	135.446	2.1	10.778	1.256	1.323	46.5	1.825	1.1	-0.935	-0.886	43.5	1.289	EF exceeds limit	NG
1155767.3	15298095.8	1115.8	100.963	87.520	40.9	133.616	2.1	10.633	1.266	1.335	46.5	1.839	1.1	-0.583	-0.519	41.7	0.780	EF exceeds limit	NG

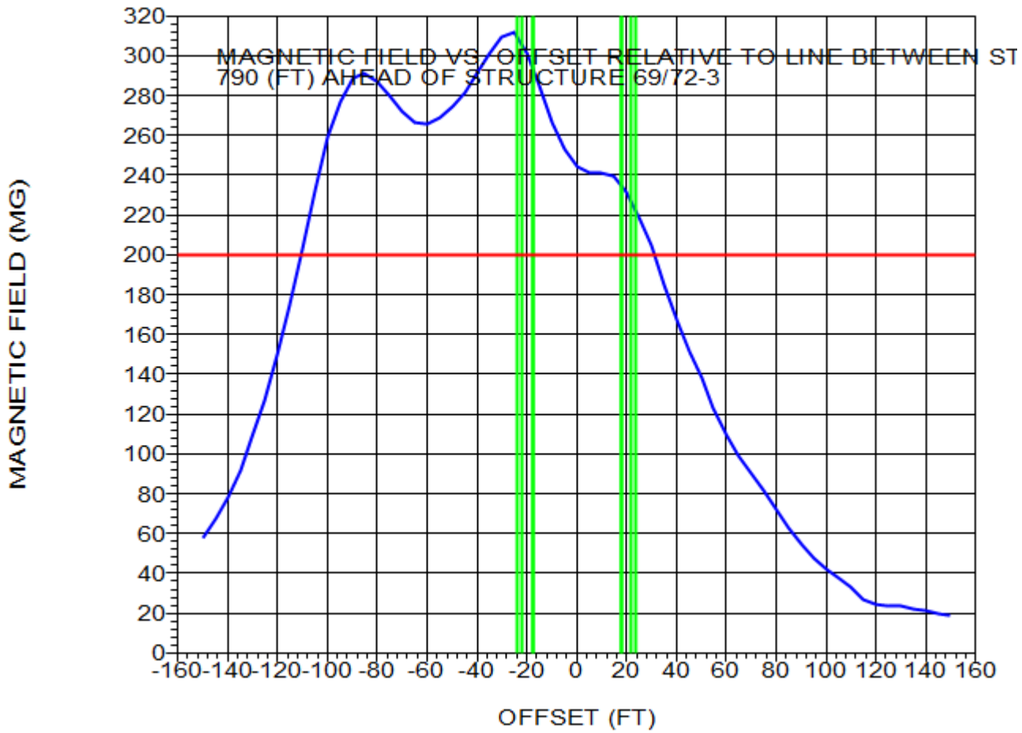
1155763.2	15298093.0	1114.6	101.092	87.751	41.0	133.865	2.1	10.653	1.276	1.346	46.5	1.855	1.2	−0.471	−0.405	40.7	0.621	EF exceeds limit	NG
1155759.1	15298090.1	1113.6	101.821	88.610	41.0	134.978	2.1	10.741	1.286	1.358	46.6	1.870	1.2	−0.458	−0.395	40.8	0.605	EF exceeds limit	NG
1155755.0	15298087.3	1113.0	103.305	90.268	41.1	137.186	2.1	10.917	1.296	1.372	46.6	1.887	1.2	−0.569	−0.514	42.1	0.767	EF exceeds limit	NG
1155750.8	15298084.5	1112.3	104.576	91.702	41.2	139.088	2.1	11.068	1.307	1.386	46.7	1.905	1.3	−0.637	−0.588	42.7	0.867	EF exceeds limit	NG
1155746.7	15298081.6	1111.6	105.976	93.277	41.4	141.180	2.1	11.235	1.319	1.402	46.7	1.925	1.3	−0.720	−0.675	43.2	0.987	EF exceeds limit	NG
1155742.6	15298078.8	1111.0	107.630	95.126	41.5	143.643	2.1	11.431	1.332	1.419	46.8	1.946	1.3	−0.837	−0.798	43.6	1.157	EF exceeds limit	NG
1155738.5	15298075.9	1110.3	109.297	96.994	41.6	146.129	2.1	11.629	1.345	1.437	46.9	1.969	1.4	−0.950	−0.915	43.9	1.318	EF exceeds limit	NG
1155734.4	15298073.1	1109.5	110.410	98.265	41.7	147.805	2.1	11.762	1.359	1.455	47.0	1.991	1.4	−0.965	−0.927	43.8	1.339	EF exceeds limit	NG
1155730.3	15298070.3	1108.6	111.545	99.560	41.8	149.514	2.1	11.898	1.373	1.474	47.0	2.014	1.4	−0.980	−0.937	43.7	1.356	EF exceeds limit	NG
1155726.2	15298067.4	1107.6	112.259	100.394	41.8	150.602	2.1	11.985	1.387	1.493	47.1	2.038	1.5	−0.921	−0.868	43.3	1.265	EF exceeds limit	NG
1155722.0	15298064.6	1106.7	113.492	101.795	41.9	152.456	2.1	12.132	1.402	1.513	47.2	2.062	1.5	−0.942	−0.884	43.2	1.292	EF exceeds limit	NG
1155717.9	15298061.7	1106.1	115.299	103.828	42.0	155.158	2.1	12.347	1.417	1.534	47.3	2.088	1.5	−1.052	−0.996	43.4	1.449	EF exceeds limit	NG
1155713.8	15298058.9	1105.3	116.652	105.365	42.1	157.193	2.1	12.509	1.432	1.554	47.3	2.113	1.5	−1.086	−1.025	43.4	1.493	EF exceeds limit	NG
1155709.7	15298056.0	1104.5	118.013	106.915	42.2	159.242	2.1	12.672	1.447	1.575	47.4	2.139	1.5	−1.118	−1.053	43.3	1.536	EF exceeds limit	NG
1155705.6	15298053.2	1103.7	119.291	108.373	42.3	161.168	2.1	12.825	1.463	1.596	47.5	2.164	1.5	−1.134	−1.064	43.2	1.555	EF exceeds limit	NG
1155701.5	15298050.4	1102.8	120.471	109.727	42.3	162.952	2.1	12.967	1.478	1.616	47.6	2.190	1.6	−1.133	−1.056	43.0	1.549	EF exceeds limit	NG
1155697.4	15298047.5	1102.1	121.960	111.426	42.4	165.197	2.1	13.146	1.494	1.638	47.6	2.216	1.6	−1.180	−1.100	43.0	1.613	EF exceeds limit	NG
1155693.2	15298044.7	1101.3	123.453	113.135	42.5	167.452	2.1	13.325	1.510	1.659	47.7	2.243	1.6	−1.225	−1.143	43.0	1.675	EF exceeds limit	NG
1155689.1	15298041.8	1100.5	124.949	114.852	42.6	169.715	2.1	13.506	1.526	1.681	47.8	2.270	1.6	−1.269	−1.185	43.0	1.737	EF exceeds limit	NG
1155685.0	15298039.0	1099.8	126.419	116.544	42.7	171.942	2.1	13.683	1.542	1.703	47.8	2.297	1.6	−1.308	−1.222	43.1	1.791	EF exceeds limit	NG
1155680.9	15298036.2	1098.9	127.694	118.019	42.7	173.880	2.1	13.837	1.558	1.725	47.9	2.325	1.6	−1.316	−1.225	42.9	1.798	EF exceeds limit	NG
1155676.8	15298033.3	1098.1	128.973	119.501	42.8	175.825	2.1	13.992	1.575	1.748	48.0	2.353	1.7	−1.324	−1.228	42.9	1.806	EF exceeds limit	NG
1155672.7	15298030.5	1097.4	130.478	121.246	42.9	178.115	2.1	14.174	1.592	1.771	48.0	2.381	1.7	−1.367	−1.271	42.9	1.867	EF exceeds limit	NG
1155668.6	15298027.6	1096.6	131.980	122.992	43.0	180.404	2.1	14.356	1.609	1.794	48.1	2.410	1.7	−1.411	−1.315	43.0	1.929	EF exceeds limit	NG
1155664.4	15298024.8	1095.9	133.476	124.736	43.1	182.688	2.1	14.538	1.627	1.817	48.2	2.439	1.7	−1.456	−1.360	43.0	1.992	EF exceeds limit	NG
1155660.3	15298021.9	1095.1	134.966	126.479	43.1	184.967	2.1	14.719	1.644	1.841	48.2	2.468	1.7	−1.501	−1.406	43.1	2.057	EF exceeds limit	NG
1155656.2	15298019.1	1094.2	136.127	127.847	43.2	186.749	2.1	14.861	1.661	1.864	48.3	2.497	1.7	−1.498	−1.398	43.0	2.049	EF exceeds limit	NG
1155652.1	15298016.3	1093.6	137.830	129.847	43.3	189.361	2.1	15.069	1.678	1.887	48.4	2.526	1.8	−1.585	−1.492	43.3	2.177	EF exceeds limit	NG
1155648.0	15298013.4	1092.8	139.186	131.449	43.4	191.446	2.1	15.235	1.695	1.910	48.4	2.553	1.8	−1.623	−1.530	43.3	2.231	EF exceeds limit	NG
1155643.9	15298010.6	1092.0	140.395	132.884	43.4	193.310	2.1	15.383	1.710	1.932	48.5	2.580	1.8	−1.644	−1.551	43.3	2.260	EF exceeds limit	NG
1155639.8	15298007.7	1091.1	141.626	134.350	43.5	195.212	2.1	15.534	1.725	1.952	48.5	2.605	1.9	−1.676	−1.586	43.4	2.308	EF exceeds limit	NG
1155635.6	15298004.9	1090.0	141.829	134.610	43.5	195.539	2.1	15.560	1.739	1.970	48.6	2.628	1.9	−1.553	−1.445	42.9	2.121	EF exceeds limit	NG
1155631.5	15298002.1	1089.1	142.665	135.615	43.5	196.837	2.1	15.664	1.752	1.988	48.6	2.650	2.0	−1.540	−1.431	42.9	2.102	EF exceeds limit	NG
1155627.4	15297999.2	1088.2	143.487	136.605	43.6	198.115	2.1	15.765	1.764	2.003	48.6	2.669	2.0	−1.535	−1.428	42.9	2.097	EF exceeds limit	NG
1155623.3	15297996.4	1087.2	144.251	137.527	43.6	199.304	2.1	15.860	1.774	2.017	48.7	2.686	2.1	−1.532	−1.429	43.0	2.095	EF exceeds limit	NG
1155619.2	15297993.5	1086.3	145.156	138.618	43.7	200.712	2.1	15.972	1.784	2.029	48.7	2.702	2.2	−1.564	−1.470	43.2	2.146	BF and EF exceed limits	NG
1155615.1	15297990.7	1085.7	146.787	140.571	43.8	203.240	2.1	16.173	1.792	2.040	48.7	2.716	2.2	−1.724	−1.661	43.9	2.394	BF and EF exceed limits	NG
1155611.0	15297987.9	1084.8	147.759	141.747	43.8	204.756	2.2	16.294	1.800	2.050	48.7	2.728	2.3	−1.789	−1.744	44.3	2.498	BF and EF exceed limits	NG
1155606.8	15297985.0	1083.9	148.331	142.449	43.8	205.655	2.2	16.365	1.807	2.058	48.7	2.739	2.4	−1.799	−1.768	44.5	2.522	BF and EF exceed limits	NG
1155602.7	15297982.2	1082.9	148.879	143.123	43.9	206.517	2.2	16.434	1.813	2.064	48.7	2.748	2.4	−1.817	−1.802	44.8	2.559	BF and EF exceed limits	NG
1155598.6	15297979.3	1081.8	148.905	143.174	43.9	206.571	2.2	16.438	1.819	2.069	48.7	2.755	2.5	−1.761	−1.753	44.9	2.485	BF and EF exceed limits	NG
1155594.5	15297976.5	1080.6	148.834	143.110	43.9	206.476	2.2	16.431	1.824	2.072	48.7	2.760	2.6	−1.701	−1.702	45.0	2.406	BF and EF exceed limits	NG
1155590.4	15297973.6	1079.6	149.194	143.559	43.9	207.046	2.2	16.476	1.827	2.074	48.6	2.764	2.7	−1.724	−1.748	45.4	2.455	BF and EF exceed limits	NG
1155586.3	15297970.8	1078.5	148.961	143.298	43.9	206.697	2.2	16.448	1.830	2.073	48.6	2.765	2.8	−1.664	−1.701	45.6	2.379	BF and EF exceed limits	NG
1155582.2	15297968.0	1077.4	148.970	143.327	43.9	206.724	2.2	16.451	1.830	2.070	48.5	2.763	2.9	−1.659	−1.718	46.0	2.388	BF and EF exceed limits	NG
1155578.0	15297965.1	1076.3	148.930	143.297	43.9	206.674	2.2	16.447	1.829	2.064	48.5	2.758	3.0	−1.662	−1.745	46.4	2.410	BF and EF exceed limits	NG
1155573.9	15297962.3	1074.9	147.824	141.991	43.8	204.972	2.2	16.311	1.825	2.053	48.4	2.747	3.2	−1.508	−1.596	46.6	2.195	BF and EF exceed limits	NG
1155569.8	15297959.4	1073.7	147.509	141.631	43.8	204.495	2.2	16.273	1.818	2.039	48.3	2.732	3.3	−1.501	−1.613	47.1	2.204	BF and EF exceed limits	NG
1155565.7	15297956.6	1072.3	146.442	140.374	43.8	202.855	2.2	16.143	1.809	2.021	48.2	2.712	3.4	−1.389	−1.512	47.4	2.052	BF and EF exceed limits	NG
1155561.6	15297953.8	1070.9	145.229	138.944	43.7	200.990	2.2	15.994	1.797	2.000	48.1	2.689	3.6	−1.268	−1.399	47.8	1.889	BF and EF exceed limits	NG
1155557.5	15297950.9	1069.4	143.880	137.356	43.7	198.918	2.2	15.829	1.783	1.977	48.0	2.662	3.8	−1.140	−1.274	48.2	1.710	EF exceeds limit	NG
1155553.4	15297948.1	1067.8	142.152	135.322	43.6	196.263	2.2	15.618	1.767	1.953	47.9	2.634	4.0	−0.960	−1.087	48.6	1.450	EF exceeds limit	NG
1155549.2	15297945.2	1066.1	139.883	132.658	43.5	192.783	2.2	15.341	1.752	1.929	47.8	2.606	4.2	−0.700	−0.804	49.0	1.066	EF exceeds limit	NG
1155545.1	15297942.4	1065.6	141.559	134.643	43.6	195.365	2.2	15.547	1.737	1.913	47.8	2.584	4.3	−1.071	−1.220	48.7	1.623	EF exceeds limit	NG
1155541.0	15297939.5	1063.8	139.052	131.700	43.4	191.521	2.2	15.241	1.723	1.894	47.7	2.560	4.5	−0.773	−0.877	48.6	1.169	EF exceeds limit	NG
1155536.9	15297936.7	1063.0	139.858	132.657	43.5	192.764	2.2	15.340	1.711	1.884	47.7	2.545	4.5	−0.995	−1.106	48.0	1.488	EF exceeds limit	NG
1155532.8	15297933.9	1062.1	140.124	132.978	43.5	193.178	2.2	15.373	1.702	1.877	47.8	2.534	4.6	−1.122	−1.219	47.4	1.657	EF exceeds limit	NG
1155528.7	15297931.0	1060.4	137.830	130.290	43.4	189.665	2.2	15.093	1.694	1.870	47.8	2.523	4.7	−0.836	−0.861	45.9	1.200	EF exceeds limit	NG
1155524.6	15297928.2	1059.4	138.015	130.513	43.4	189.952	2.2	15.116	1.688	1.869	47.9	2.519	4.7	−0.931	−0.923	44.8	1.311	EF exceeds limit	NG
1155520.5	15297925.3	1058.5	138.249	130.794	43.4	190.315	2.2	15.145	1.684	1.872	48.0	2.517	4.6	−1.023	−0.975	43.6	1.413	EF exceeds limit	NG
1155516.3	15297922.5	1057.6	138.525	131.125	43.4	190.743	2.2	15.179	1.681	1.876	48.1	2.519	4.6	−1.112	−1.019	42.5	1.508	EF exceeds limit	NG
1155512.2	15297919.7	1057.0	139.542	132.326	43.5	192.308	2.2	15.303	1.679	1.883	48.3	2.523	4.5	−1.307	−1.180	42.1	1.761	EF exceeds limit	NG
1155508.1	15297916.8	1055.9	139.027	131.725	43.5	191.520	2.2	15.241	1.678	1.890	48.4	2.528	4.4	−1.255	−1.056	40.1	1.640	EF exceeds limit	NG
1155504.0	15297914.0	1055.2	139.968	132.837	43.5	192.968	2.2	15.356	1.679	1.900	48.5	2.536	4.2	−1.423	−1.182	39.7	1.850	EF exceeds limit	NG
1155499.9	15297911.1	1054.3	140.004	132.884	43.5	193.027	2.2	15.361	1.679	1.910	48.7	2.543	4.1	−1.445	−1.141	38.3	1.841	EF exceeds limit	NG
1155495.8	15297908.3	1053.7	140.987	134.049	43.6	194.542	2.2	15.481	1.680	1.920	48.8	2.552	3.9	−1.611	−1.268	38.2	2.050	EF exceeds limit	NG
1155491.7	15297905.5	1052.8	141.355	134.488	43.6	195.111	2.2	15.526	1.681	1.929	48.9	2.559	3.7	−1.679	−1.286	37.4	2.115	EF exceeds limit	NG
1155487.5	15297902.6	1052.3	142.615	135.983	43.6	197.055	2.2	15.681	1.682	1.937	49.0	2.565	3.5	−1.885	−1.469	37.9	2.390	EF exceeds limit	NG
1155483.4	15297899.8	1051.6	143.365	136.876	43.7	198.213	2.2	15.773	1.682	1.944	49.1	2.570	3.3	−2.012	−1.564	37.9	2.549	EF exceeds limit	NG
1155479.3	15297896.9	1050.7	143.164	136.639	43.7	197.904	2.2	15.749	1.681	1.949	49.2	2.573	3.1	−1.991	−1.493	36.9	2.489	EF exceeds limit	NG
1155475.2	15297894.1	1050.2	144.463	138.187	43.7	199.913	2.2	15.909	1.681	1.954	49.3	2.577	2.9	−2.206	−1.701	37.6	2.786	EF exceeds limit	NG
1155471.1	15297891.2	1049.2	144.288	137.981	43.7	199.644	2.2	15.887	1.680	1.957	49.4	2.579	2.7	−2.190	−1.647	36.9	2.741	EF exceeds limit	NG
1155467.0	15297888.4	1048.6	145.163	139.024	43.8	200.997	2.2	15.995	1.680	1.962	49.4	2.583	2.5	−2.340	−1.789	37.4	2.946	BF and EF exceed limits	NG
1155462.9	15297885.6	1048.0	146.057	140.094	43.8	202.384	2.2	16.105	1.681	1.967	49.5	2.587	2.3	−2.494	−1.941	37.9	3.160	BF and EF exceed limits	NG

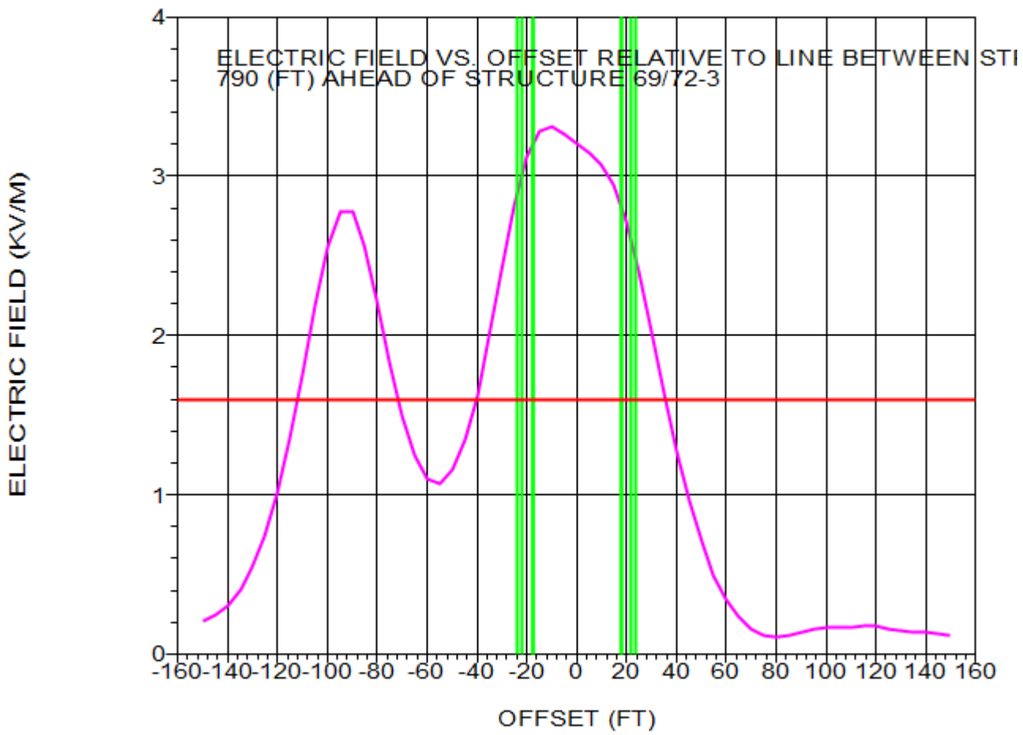
1155458.7	15297882.7	1047.3	146.518	140.645	43.8	203.097	2.2	16.162	1.682	1.972	49.5	2.592	2.1	-2.582	-2.019	38.0	3.277	BF and EF exceed limits NG
1155454.6	15297879.9	1046.5	146.939	141.149	43.8	203.750	2.2	16.214	1.683	1.977	49.6	2.596	1.9	-2.667	-2.098	38.2	3.394	BF and EF exceed limits NG
1155450.5	15297877.0	1046.0	148.033	142.461	43.9	205.448	2.2	16.349	1.684	1.982	49.6	2.601	1.7	-2.864	-2.311	38.9	3.680	BF and EF exceed limits NG
1155446.4	15297874.2	1045.6	149.320	144.008	44.0	207.448	2.2	16.508	1.685	1.986	49.7	2.605	1.5	-3.099	-2.574	39.7	4.029	BF and EF exceed limits NG
1155442.3	15297871.4	1044.9	149.792	144.575	44.0	208.182	2.2	16.567	1.684	1.988	49.7	2.606	1.3	-3.218	-2.705	40.0	4.204	BF and EF exceed limits NG
1155438.2	15297868.5	1044.0	149.697	144.458	44.0	208.032	2.2	16.555	1.682	1.987	49.7	2.603	1.1	-3.263	-2.753	40.2	4.269	BF and EF exceed limits NG
1155434.1	15297865.7	1043.6	151.047	146.086	44.0	210.134	2.2	16.722	1.677	1.983	49.8	2.597	0.9	-3.551	-3.091	41.0	4.708	BF and EF exceed limits NG
1155429.9	15297862.8	1042.6	150.394	145.293	44.0	209.113	2.2	16.641	1.670	1.974	49.8	2.585	0.7	-3.546	-3.091	41.1	4.704	BF and EF exceed limits NG
1155425.8	15297860.0	1041.7	150.133	144.974	44.0	208.704	2.2	16.608	1.659	1.960	49.8	2.568	0.6	-3.626	-3.196	41.4	4.833	BF and EF exceed limits NG
1155421.7	15297857.1	1040.5	148.994	143.595	43.9	206.927	2.2	16.467	1.645	1.942	49.7	2.545	0.5	-3.595	-3.176	41.5	4.798	BF and EF exceed limits NG
1155417.6	15297854.3	1039.4	147.677	142.004	43.9	204.875	2.2	16.303	1.628	1.917	49.7	2.515	0.5	-3.566	-3.164	41.6	4.768	BF and EF exceed limits NG
1155413.5	15297851.5	1038.1	146.213	140.243	43.8	202.599	2.2	16.122	1.605	1.887	49.6	2.477	0.5	-3.546	-3.167	41.8	4.754	BF and EF exceed limits NG
1155409.4	15297848.6	1036.9	144.884	138.647	43.7	200.535	2.2	15.958	1.579	1.851	49.5	2.433	0.6	-3.576	-3.233	42.1	4.821	BF and EF exceed limits NG
1155405.3	15297845.8	1035.5	142.608	135.930	43.6	197.013	2.2	15.678	1.548	1.808	49.4	2.381	0.7	-3.495	-3.175	42.3	4.722	EF exceeds limit NG
1155401.1	15297842.9	1033.9	139.909	132.897	43.5	192.967	2.2	15.356	1.514	1.761	49.3	2.322	0.7	-3.389	-3.123	42.7	4.608	EF exceeds limit NG
1155397.0	15297840.1	1032.1	137.131	129.314	43.3	188.486	2.2	14.999	1.478	1.710	49.2	2.260	0.8	-3.101	-2.899	43.1	4.246	EF exceeds limit NG
1155392.9	15297837.3	1029.8	132.192	123.552	43.1	180.941	2.2	14.399	1.435	1.652	49.0	2.188	1.0	-2.723	-2.510	42.7	3.704	EF exceeds limit NG
1155388.8	15297834.4	1026.9	125.875	116.277	42.7	171.362	2.1	13.637	1.388	1.591	48.9	2.111	1.1	-2.169	-1.926	41.6	2.900	EF exceeds limit NG
1155384.7	15297831.6	1025.2	122.959	112.952	42.6	166.964	2.1	13.287	1.339	1.529	48.8	2.033	1.1	-2.136	-1.928	42.1	2.878	EF exceeds limit NG
1155380.6	15297828.7	1024.0	121.658	111.472	42.5	165.005	2.1	13.131	1.289	1.469	48.7	1.954	1.0	-2.351	-2.203	43.1	3.222	EF exceeds limit NG
1155376.5	15297825.9	1023.2	121.369	111.138	42.5	164.567	2.1	13.096	1.240	1.411	48.7	1.879	0.8	-2.709	-2.630	44.2	3.776	EF exceeds limit NG
1155372.3	15297823.1	1022.0	120.133	109.737	42.4	162.709	2.1	12.948	1.190	1.355	48.7	1.803	0.7	-2.930	-2.897	44.7	4.120	EF exceeds limit NG
1155368.2	15297820.2	1018.9	113.424	102.235	42.0	152.699	2.1	12.151	1.131	1.286	48.7	1.713	0.8	-2.403	-2.335	44.2	3.351	EF exceeds limit NG
1155364.1	15297817.4	1015.2	105.833	93.901	41.6	141.485	2.1	11.259	1.068	1.216	48.7	1.619	0.9	-1.748	-1.631	43.0	2.391	EF exceeds limit NG
1155360.0	15297814.5	1011.1	98.025	85.500	41.1	130.074	2.0	10.351	1.002	1.147	48.9	1.523	1.1	-1.040	-0.872	40.0	1.357	
1155355.9	15297811.7	1008.6	93.964	81.197	40.8	124.186	2.0	9.882	0.942	1.088	49.1	1.439	1.4	-0.850	-0.673	38.3	1.084	
1155351.8	15297808.8	1007.3	92.588	79.746	40.7	122.196	2.0	9.724	0.890	1.039	49.4	1.368	1.7	-1.019	-0.859	40.1	1.333	
1155347.7	15297806.0	1006.1	91.478	78.580	40.7	120.594	2.0	9.597	0.843	0.996	49.7	1.305	2.0	-1.186	-1.037	41.2	1.575	
1155343.5	15297803.2	1003.0	86.668	73.586	40.3	113.693	2.0	9.047	0.784	0.944	50.3	1.227	2.6	-0.793	-0.606	37.4	0.998	
1155339.4	15297800.3	998.7	79.966	66.749	39.9	104.163	2.0	8.289	0.717	0.887	51.1	1.140	3.4	-0.073	0.183	-68.3	0.197	
1155335.3	15297797.5	994.2	73.650	60.437	39.4	95.273	1.9	7.582	0.648	0.832	52.1	1.054	4.5	0.673	1.003	56.1	1.208	
1155331.2	15297794.6	990.1	68.339	55.230	38.9	87.867	1.9	6.992	0.584	0.782	53.3	0.976	6.4	1.361	1.761	52.3	2.226	
1155327.1	15297791.8	985.6	63.093	50.181	38.5	80.615	1.8	6.415	0.526	0.739	54.5	0.907	9.5	2.151	2.637	50.8	3.404	
1155323.0	15297789.0	984.7	62.812	49.910	38.5	80.227	1.8	6.384	0.529	0.742	54.5	0.911	11.7	2.233	2.725	50.7	3.523	
1155318.9	15297786.1	987.8	67.739	54.635	38.9	87.026	1.9	6.925	0.596	0.799	53.3	0.997	11.2	1.544	1.966	51.8	2.500	
1155314.7	15297783.3	991.9	74.858	61.607	39.5	96.949	1.9	7.715	0.679	0.876	52.2	1.109	9.9	0.600	0.943	57.6	1.117	
1155310.6	15297780.4	993.3	78.100	64.834	39.7	101.503	1.9	8.077	0.746	0.941	51.6	1.201	9.7	0.337	0.672	63.3	0.752	
1155306.5	15297777.6	994.9	81.927	68.685	40.0	106.910	2.0	8.508	0.815	1.010	51.1	1.298	9.3	0.030	0.354	85.1	0.355	
1155302.4	15297774.7	996.8	86.514	73.360	40.3	113.430	2.0	9.026	0.882	1.078	50.7	1.393	8.7	-0.361	-0.055	8.6	0.366	
1155298.3	15297771.9	999.0	92.205	79.250	40.7	121.582	2.0	9.675	0.945	1.141	50.4	1.482	8.2	-0.895	-0.620	34.7	1.089	
1155294.2	15297769.1	1000.6	96.721	83.988	41.0	128.097	2.0	10.194	1.002	1.199	50.1	1.562	7.8	-1.231	-0.973	38.3	1.569	
1155290.1	15297766.2	1001.3	99.632	87.068	41.2	132.315	2.0	10.529	1.054	1.251	49.9	1.636	7.7	-1.320	-1.054	38.6	1.689	EF exceeds limit NG
1155285.9	15297763.4	1000.0	97.810	85.121	41.0	129.663	2.0	10.318	1.105	1.300	49.6	1.706	8.0	-0.686	-0.341	26.5	0.766	EF exceeds limit NG
1155281.8	15297760.5	999.3	97.603	84.892	41.0	129.356	2.0	10.294	1.155	1.348	49.4	1.775	8.1	-0.276	0.131	-25.4	0.305	EF exceeds limit NG
1155277.7	15297757.7	998.5	96.905	84.141	41.0	128.337	2.0	10.213	1.206	1.396	49.2	1.844	8.3	0.229	0.715	72.2	0.751	EF exceeds limit NG
1155273.6	15297754.9	998.1	97.279	84.526	41.0	128.872	2.0	10.255	1.253	1.442	49.0	1.910	8.3	0.574	1.133	63.2	1.270	EF exceeds limit NG
1155269.5	15297752.0	1000.6	104.191	91.897	41.4	138.927	2.1	11.055	1.282	1.482	49.2	1.960	7.7	-0.148	0.377	-68.5	0.405	EF exceeds limit NG
1155265.4	15297749.2	1004.2	114.693	103.354	42.0	154.391	2.1	12.286	1.313	1.532	49.4	2.018	6.8	-1.371	-0.938	34.4	1.661	EF exceeds limit NG
1155261.3	15297746.3	1004.4	116.075	105.159	42.2	156.626	2.1	12.464	1.351	1.582	49.5	2.081	6.6	-1.203	-0.735	31.4	1.410	EF exceeds limit NG
1155257.1	15297743.5	1004.8	118.847	108.062	42.3	160.630	2.1	12.782	1.391	1.636	49.6	2.147	6.3	-1.158	-0.646	29.2	1.326	EF exceeds limit NG
1155253.0	15297740.7	1006.3	124.368	114.259	42.6	168.886	2.2	13.440	1.429	1.691	49.8	2.214	5.8	-1.582	-1.076	34.2	1.913	EF exceeds limit NG
1155248.9	15297737.8	1007.9	130.562	121.304	42.9	178.216	2.2	14.182	1.468	1.746	50.0	2.281	5.4	-2.100	-1.625	37.7	2.655	EF exceeds limit NG
1155244.8	15297735.0	1008.2	133.055	124.154	43.0	181.983	2.2	14.482	1.505	1.797	50.0	2.344	5.1	-2.077	-1.557	36.9	2.596	EF exceeds limit NG
1155240.7	15297732.1	1009.3	137.918	129.775	43.3	189.375	2.2	15.070	1.543	1.848	50.1	2.407	4.8	-2.408	-1.909	38.4	3.073	EF exceeds limit NG
1155236.6	15297729.3	1010.2	142.267	134.848	43.5	196.020	2.2	15.599	1.580	1.898	50.2	2.469	4.5	-2.672	-2.194	39.4	3.457	EF exceeds limit NG
1155232.5	15297726.4	1011.3	147.473	140.981	43.7	204.019	2.2	16.235	1.618	1.948	50.3	2.532	4.2	-3.073	-2.650	40.8	4.058	BF and EF exceed limits NG
1155228.3	15297723.6	1011.2	148.378	142.030	43.7	205.398	2.2	16.345	1.652	1.990	50.3	2.587	4.0	-2.846	-2.374	39.8	3.706	BF and EF exceed limits NG
1155224.2	15297720.8	1011.6	151.219	145.394	43.9	209.778	2.2	16.694	1.687	2.035	50.3	2.644	3.8	-2.917	-2.456	40.1	3.814	BF and EF exceed limits NG
1155220.1	15297717.9	1011.5	152.390	146.767	43.9	211.574	2.2	16.837	1.721	2.077	50.4	2.698	3.7	-2.743	-2.254	39.4	3.550	BF and EF exceed limits NG
1155216.0	15297715.1	1011.8	154.965	149.831	44.0	215.554	2.2	17.153	1.755	2.119	50.4	2.752	3.5	-2.797	-2.328	39.8	3.640	BF and EF exceed limits NG
1155211.9	15297712.2	1012.3	157.830	153.260	44.2	219.998	2.2	17.507	1.789	2.160	50.4	2.805	3.3	-2.916	-2.485	40.4	3.831	BF and EF exceed limits NG
1155207.8	15297709.4	1012.7	160.895	156.948	44.3	224.766	2.2	17.886	1.821	2.200	50.4	2.856	3.1	-3.090	-2.711	41.3	4.110	BF and EF exceed limits NG
1155203.7	15297706.6	1012.9	162.721	159.136	44.4	227.602	2.2	18.112	1.851	2.235	50.4	2.902	3.0	-3.083	-2.725	41.5	4.115	BF and EF exceed limits NG
1155199.5	15297703.7	1012.7	163.434	159.966	44.4	228.691	2.2	18.199	1.879	2.267	50.3	2.944	2.9	-2.906	-2.541	41.2	3.861	BF and EF exceed limits NG
1155195.4	15297700.9	1012.7	164.693	161.465	44.4	230.640	2.2	18.354	1.905	2.297	50.3	2.984	2.7	-2.841	-2.490	41.2	3.778	BF and EF exceed limits NG
1155191.3	15297698.0	1012.9	166.749	163.943	44.5	233.843	2.2	18.609	1.930	2.325	50.3	3.022	2.6	-2.938	-2.631	41.8	3.944	BF and EF exceed limits NG
1155187.2	15297695.2	1013.3	169.118	166.813	44.6	237.545	2.2	18.903	1.952	2.351	50.3	3.056	2.4	-3.119	-2.872	42.6	4.240	BF and EF exceed limits NG
1155183.1	15297692.3	1012.8	168.750	166.311	44.6	236.930	2.2	18.854	1.973	2.373	50.3	3.086	2.3	-2.829	-2.552	42.1	3.810	BF and EF exceed limits NG
1155179.0	15297689.5	1012.3	168.466	165.913	44.6	236.449	2.2	18.816	1.991	2.393	50.2	3.113	2.2	-2.572	-2.271	41.4	3.431	BF and EF exceed limits NG
1155174.9	15297686.7	1012.4	169.751	167.445	44.6	238.439	2.2	18.974	2.007	2.410	50.2	3.137	2.1	-2.628	-2.357	41.9	3.530	BF and EF exceed limits NG
1155170.7	15297683.8	1012.3	170.784	168.666	44.6	240.032	2.2	19.101	2.021	2.425	50.2	3.157	2.0	-2.664	-2.417	42.2	3.597	BF and EF exceed limits NG
1155166.6	15297681.0	1012.2	171.508	169.506	44.7	241.137	2.2	19.189	2.032	2.437	50.2	3.173	1.8	-2.668	-2.436	42.4	3.613	BF and EF exceed limits NG
1155162.5	15297678.1	1012.2	172.436	170.597	44.7	242.564	2.2	19.303	2.040	2.447	50.2	3.186	1.7	-2.739	-2.532	42.8	3.730	BF and EF exceed limits NG
1155158.4	15297675.3	1012.0	173.153	171.425	44.7	243.657	2.2	19.390	2.046	2.453	50.2	3.195	1.6	-2.798	-2.612	43.0	3.827	BF and EF exceed limits NG

1155154.3	15297672.5	1011.9	173.793	172.158	44.7	244.627	2.2	19.467	2.049	2.456	50.2	3.199	1.5	-2.872	-2.707	43.3	3.946	BF and EF exceed limits NG
1155150.2	15297669.6	1011.6	173.838	172.156	44.7	244.658	2.2	19.469	2.049	2.454	50.1	3.197	1.5	-2.860	-2.700	43.4	3.933	BF and EF exceed limits NG
1155146.1	15297666.8	1011.4	174.119	172.443	44.7	245.060	2.2	19.501	2.044	2.447	50.1	3.188	1.4	-2.927	-2.787	43.6	4.042	BF and EF exceed limits NG
1155141.9	15297663.9	1011.2	174.377	172.701	44.7	245.424	2.2	19.530	2.035	2.434	50.1	3.172	1.3	-3.022	-2.910	43.9	4.195	BF and EF exceed limits NG
1155137.8	15297661.1	1011.2	175.414	173.918	44.8	247.017	2.1	19.657	2.021	2.414	50.1	3.148	1.2	-3.302	-3.255	44.6	4.636	BF and EF exceed limits NG
1155133.7	15297658.3	1011.0	175.458	173.909	44.7	247.042	2.1	19.659	2.005	2.389	50.0	3.118	1.1	-3.416	-3.405	44.9	4.823	BF and EF exceed limits NG
1155129.6	15297655.4	1009.9	172.920	170.727	44.6	243.000	2.1	19.337	1.986	2.358	49.9	3.083	1.1	-3.065	-3.010	44.5	4.296	BF and EF exceed limits NG
1155125.5	15297652.6	1009.3	171.824	169.324	44.6	241.234	2.1	19.197	1.963	2.324	49.8	3.042	1.0	-3.024	-2.983	44.6	4.248	BF and EF exceed limits NG
1155121.4	15297649.7	1008.3	169.600	166.549	44.5	237.703	2.1	18.916	1.937	2.285	49.7	2.996	1.0	-2.806	-2.751	44.4	3.930	BF and EF exceed limits NG
1155117.3	15297646.9	1006.9	165.677	161.726	44.3	231.526	2.1	18.424	1.910	2.242	49.6	2.946	0.9	-2.322	-2.209	43.6	3.205	BF and EF exceed limits NG
1155113.1	15297644.0	1006.0	163.413	158.936	44.2	227.957	2.1	18.140	1.882	2.201	49.5	2.896	0.9	-2.154	-2.036	43.4	2.964	BF and EF exceed limits NG
1155109.0	15297641.2	1005.0	160.583	155.481	44.1	223.521	2.1	17.787	1.855	2.161	49.4	2.848	0.9	-1.905	-1.766	42.8	2.598	BF and EF exceed limits NG
1155104.9	15297638.4	1003.8	157.390	151.614	43.9	218.537	2.1	17.391	1.829	2.125	49.3	2.803	0.9	-1.607	-1.432	41.7	2.153	BF and EF exceed limits NG
1155100.8	15297635.5	1003.2	156.112	150.044	43.9	216.528	2.1	17.231	1.807	2.095	49.2	2.767	1.0	-1.627	-1.457	41.8	2.184	BF and EF exceed limits NG
1155096.7	15297632.7	1002.6	154.810	148.450	43.8	214.484	2.1	17.068	1.787	2.070	49.2	2.735	1.1	-1.638	-1.464	41.8	2.197	BF and EF exceed limits NG
1155092.6	15297629.8	1002.0	153.339	146.662	43.7	212.185	2.1	16.885	1.768	2.048	49.2	2.706	1.2	-1.620	-1.427	41.4	2.158	BF and EF exceed limits NG
1155088.5	15297627.0	1001.4	152.142	145.202	43.7	210.311	2.1	16.736	1.751	2.028	49.2	2.680	1.2	-1.641	-1.429	41.0	2.176	BF and EF exceed limits NG
1155084.3	15297624.2	1001.2	152.008	144.998	43.6	210.073	2.1	16.717	1.736	2.011	49.2	2.657	1.3	-1.828	-1.615	41.5	2.440	BF and EF exceed limits NG
1155080.2	15297621.3	1001.1	152.206	145.183	43.6	210.345	2.1	16.739	1.721	1.995	49.2	2.634	1.4	-2.063	-1.852	41.9	2.773	BF and EF exceed limits NG
1155076.1	15297618.5	1000.9	152.168	145.091	43.6	210.254	2.1	16.731	1.706	1.978	49.2	2.612	1.5	-2.258	-2.039	42.1	3.043	BF and EF exceed limits NG
1155072.0	15297615.6	1000.5	151.325	144.052	43.6	208.926	2.1	16.626	1.690	1.960	49.2	2.588	1.5	-2.327	-2.079	41.8	3.120	BF and EF exceed limits NG
1155067.9	15297612.8	999.9	149.901	142.337	43.5	206.713	2.1	16.450	1.673	1.941	49.2	2.563	1.6	-2.308	-2.014	41.1	3.063	BF and EF exceed limits NG
1155063.8	15297609.9	999.5	149.114	141.371	43.5	205.477	2.1	16.351	1.657	1.923	49.2	2.539	1.6	-2.388	-2.059	40.8	3.153	BF and EF exceed limits NG
1155059.7	15297607.1	999.2	148.403	140.494	43.4	204.358	2.1	16.262	1.641	1.905	49.3	2.514	1.7	-2.480	-2.116	40.5	3.260	BF and EF exceed limits NG
1155055.5	15297604.3	998.8	147.612	139.528	43.4	203.119	2.1	16.164	1.624	1.886	49.3	2.489	1.8	-2.561	-2.157	40.1	3.348	BF and EF exceed limits NG
1155051.4	15297601.4	998.3	146.236	137.885	43.3	200.991	2.0	15.994	1.607	1.867	49.3	2.464	1.8	-2.556	-2.095	39.3	3.305	BF and EF exceed limits NG
1155047.3	15297598.6	997.8	145.199	136.639	43.3	199.381	2.0	15.866	1.591	1.849	49.3	2.439	1.9	-2.603	-2.090	38.8	3.338	EF exceeds limit NG
1155043.2	15297595.7	997.2	143.586	134.733	43.2	196.901	2.0	15.669	1.574	1.831	49.3	2.414	1.9	-2.565	-1.984	37.7	3.243	EF exceeds limit NG
1155039.1	15297592.9	996.6	141.784	132.617	43.1	194.139	2.0	15.449	1.557	1.814	49.4	2.390	2.0	-2.501	-1.844	36.4	3.107	EF exceeds limit NG
1155035.0	15297590.1	995.8	139.523	129.988	43.0	190.693	2.0	15.175	1.540	1.796	49.4	2.366	2.0	-2.371	-1.624	34.4	2.874	EF exceeds limit NG
1155030.9	15297587.2	995.2	138.012	128.224	42.9	188.384	2.0	14.991	1.524	1.781	49.4	2.344	2.0	-2.353	-1.532	33.1	2.808	EF exceeds limit NG
1155026.7	15297584.4	994.9	137.336	127.414	42.9	187.338	2.0	14.908	1.510	1.767	49.5	2.324	2.0	-2.461	-1.586	32.8	2.928	EF exceeds limit NG
1155022.6	15297581.5	994.8	137.124	127.134	42.8	186.992	2.0	14.880	1.495	1.753	49.5	2.304	2.0	-2.642	-1.724	33.1	3.154	EF exceeds limit NG
1155018.5	15297578.7	994.3	135.750	125.538	42.8	184.900	2.0	14.714	1.479	1.736	49.6	2.281	1.9	-2.658	-1.673	32.2	3.141	EF exceeds limit NG
1155014.4	15297575.9	993.8	134.325	123.890	42.7	182.735	2.0	14.542	1.462	1.718	49.6	2.256	1.8	-2.676	-1.626	31.3	3.131	EF exceeds limit NG
1155010.3	15297573.0	993.7	134.184	123.693	42.7	182.497	2.0	14.523	1.445	1.699	49.6	2.231	1.8	-2.889	-1.812	32.1	3.411	EF exceeds limit NG
1155006.2	15297570.2	993.6	134.019	123.470	42.7	182.225	2.0	14.501	1.427	1.677	49.6	2.202	1.7	-3.109	-2.011	32.9	3.703	EF exceeds limit NG
1155002.1	15297567.3	993.5	133.757	123.138	42.6	181.808	2.0	14.468	1.407	1.653	49.6	2.171	1.6	-3.324	-2.211	33.6	3.992	EF exceeds limit NG
1154997.9	15297564.5	993.0	132.523	121.718	42.6	179.938	2.0	14.319	1.385	1.626	49.6	2.136	1.5	-3.413	-2.270	33.6	4.099	EF exceeds limit NG
1154993.8	15297561.6	992.7	131.454	120.489	42.5	178.319	2.0	14.190	1.362	1.596	49.5	2.098	1.5	-3.537	-2.375	33.9	4.261	EF exceeds limit NG
1154989.7	15297558.8	992.3	130.298	119.169	42.4	176.576	2.0	14.051	1.337	1.564	49.5	2.058	1.4	-3.659	-2.486	34.2	4.424	EF exceeds limit NG
1154985.6	15297556.0	991.6	128.443	117.080	42.4	173.797	2.0	13.830	1.311	1.529	49.4	2.014	1.4	-3.694	-2.502	34.1	4.462	EF exceeds limit NG
1154981.5	15297553.1	990.4	124.903	113.147	42.2	168.532	2.0	13.411	1.282	1.490	49.3	1.965	1.5	-3.509	-2.268	32.9	4.178	EF exceeds limit NG
1154977.4	15297550.3	989.6	122.357	110.336	42.0	164.759	2.0	13.111	1.253	1.452	49.2	1.918	1.5	-3.467	-2.207	32.5	4.110	EF exceeds limit NG
1154973.3	15297547.4	988.0	117.943	105.521	41.8	158.257	2.0	12.594	1.222	1.409	49.1	1.865	1.6	-3.173	-1.863	30.4	3.680	EF exceeds limit NG
1154969.1	15297544.6	986.6	114.028	101.294	41.6	152.522	2.0	12.137	1.190	1.368	49.0	1.813	1.8	-2.949	-1.605	28.6	3.357	EF exceeds limit NG
1154965.0	15297541.8	985.6	111.196	98.267	41.5	148.394	2.0	11.809	1.161	1.329	48.9	1.764	1.9	-2.872	-1.523	27.9	3.251	EF exceeds limit NG
1154960.9	15297538.9	984.1	107.265	94.104	41.3	142.693	2.0	11.355	1.131	1.288	48.7	1.714	2.0	-2.638	-1.265	25.6	2.926	EF exceeds limit NG
1154956.8	15297536.1	982.6	103.484	90.145	41.1	137.241	2.0	10.921	1.101	1.250	48.6	1.666	2.1	-2.417	-1.026	23.0	2.625	EF exceeds limit NG
1154952.7	15297533.2	981.7	101.128	87.711	40.9	133.866	2.0	10.653	1.076	1.216	48.5	1.623	2.2	-2.387	-1.008	22.9	2.591	EF exceeds limit NG
1154948.6	15297530.4	980.5	98.228	84.737	40.8	129.727	2.0	10.323	1.050	1.183	48.4	1.582	2.3	-2.268	-0.891	21.5	2.437	
1154944.5	15297527.5	979.8	96.411	82.906	40.7	127.155	2.0	10.119	1.029	1.155	48.3	1.547	2.3	-2.292	-0.938	22.3	2.477	
1154940.3	15297524.7	978.7	93.549	80.019	40.5	123.103	2.0	9.796	1.007	1.126	48.2	1.511	2.4	-2.154	-0.804	20.5	2.299	
1154936.2	15297521.9	977.5	90.785	77.258	40.4	119.208	2.0	9.486	0.986	1.100	48.1	1.477	2.4	-2.017	-0.673	18.5	2.126	
1154932.1	15297519.0	976.8	88.852	75.362	40.3	116.508	2.0	9.271	0.969	1.077	48.0	1.448	2.4	-1.989	-0.668	18.6	2.098	
1154928.0	15297516.2	976.0	86.742	73.300	40.2	113.565	2.0	9.037	0.952	1.054	47.9	1.421	2.5	-1.926	-0.624	18.0	2.025	
1154923.9	15297513.3	974.9	84.154	70.766	40.1	109.954	2.0	8.750	0.936	1.032	47.8	1.393	2.5	-1.782	-0.494	15.5	1.850	
1154919.8	15297510.5	974.2	82.218	68.896	40.0	107.268	2.1	8.536	0.921	1.012	47.7	1.368	2.5	-1.729	-0.467	15.1	1.791	
1154915.7	15297507.7	973.5	80.317	67.064	39.9	104.634	2.1	8.327	0.907	0.992	47.6	1.344	2.5	-1.677	-0.444	14.8	1.735	
1154911.5	15297504.8	972.6	77.853	64.664	39.7	101.205	2.1	8.054	0.892	0.971	47.4	1.319	2.6	-1.534	-0.322	11.9	1.567	
1154907.4	15297502.0	971.6	75.456	62.325	39.6	97.867	2.1	7.788	0.878	0.950	47.3	1.294	2.6	-1.396	-0.209	8.5	1.411	
1154903.3	15297499.1	970.8	73.183	60.095	39.4	94.695	2.1	7.536	0.864	0.930	47.1	1.269	2.6	-1.272	-0.115	5.2	1.278	
1154899.2	15297496.3	970.2	71.397	58.330	39.2	92.195	2.1	7.337	0.851	0.909	46.9	1.245	2.6	-1.227	-0.107	5.0	1.231	
1154895.1	15297493.5	969.7	69.638	56.569	39.1	89.719	2.1	7.140	0.838	0.889	46.7	1.222	2.6	-1.182	-0.101	4.9	1.187	
1154891.0	15297490.6	969.2	68.049	54.949	38.9	87.465	2.1	6.960	0.825	0.869	46.5	1.198	2.5	-1.162	-0.121	5.9	1.168	
1154886.9	15297487.8	968.8	66.516	53.358	38.7	85.273	2.1	6.786	0.813	0.849	46.2	1.176	2.5	-1.141	-0.140	7.0	1.150	
1154882.7	15297484.9	968.5	65.243	52.000	38.6	83.430	2.1	6.639	0.802	0.830	46.0	1.154	2.4	-1.154	-0.193	9.5	1.170	
1154878.6	15297482.1	968.2	64.147	50.796	38.4	81.823	2.0	6.511	0.792	0.812	45.7	1.134	2.3	-1.177	-0.256	12.3	1.204	
1154874.5	15297479.2	967.9	63.215	49.747	38.2	80.442	2.0	6.401	0.783	0.797	45.5	1.117	2.3	-1.200	-0.318	14.8	1.241	
1154870.4	15297476.4	967.6	62.569	48.980	38.1	79.460	1.9	6.323	0.776	0.784	45.3	1.104	2.2	-1.238	-0.393	17.6	1.299	
1154866.3	15297473.6	967.4	62.209	48.511	37.9	78.888	1.9	6.278	0.772	0.775	45.1	1.094	2.1	-1.282	-0.474	20.3	1.367	
1154862.2	15297470.7	967.2	62.350	48.553	37.9	79.025	1.8	6.289	0.771	0.770	45.0	1.090	2.0	-1.371	-0.599	23.6	1.496	
1154858.1	15297467.9	967.1	62.853	48.987	37.9	79.688	1.8	6.341	0.773	0.770	44.9	1.091	2.0	-1.470	-0.732	26.5	1.643	
1154854.0	15297465.0	966.9	63.631	49.736	38.0	80.763	1.7	6.427	0.778	0.774	44.9	1.097	1.9	-1.559	-0.854	28.7	1.777	

Max EF along centerline is 3.199 (kV/m) at 790.000 (ft) from structure 69/72-3

Cross section results at max EF along centerline between structures 69/72-3 and 69/72-2





3D EMF Point Results Span from 69/72-3 to 69/72-2:

Measurement			B					H	EF					Space Potential				
X (ft)	Y (ft)	Z (ft)	Real (mG)	Imaginary (mG)	Angle (deg)	Magnitude (mG)	Polarization Axial Ratio %	Magnitude (A/m)	Real (kV/m)	Imaginary (kV/m)	Angle (deg)	Magnitude (kV/m)	Polarization Axial Ratio %	Real (kV)	Imaginary (kV)	Angle (deg)	Magnitude (kV)	
1155239.5	15297549.0	1019.6	44.941	36.117	38.8	57.655	40.9	4.588	0.126	0.168	53.1	0.211	27.5	0.132	0.435	73.1	0.454	
1155236.7	15297553.1	1019.5	51.783	42.730	39.5	67.137	39.9	5.343	0.194	0.150	37.7	0.246	29.2	0.043	0.394	83.8	0.396	
1155233.8	15297557.3	1019.5	59.829	50.784	40.3	78.476	38.8	6.245	0.282	0.121	23.2	0.306	27.3	-0.071	0.328	-77.8	0.336	
1155231.0	15297561.4	1019.5	69.370	60.678	41.2	92.163	37.6	7.334	0.392	0.094	13.6	0.403	23.5	-0.222	0.228	-45.7	0.318	
1155228.2	15297565.5	1019.4	80.408	72.485	42.0	108.257	36.0	8.615	0.529	0.133	14.1	0.545	18.9	-0.395	0.076	-10.9	0.402	
1155225.3	15297569.6	1019.2	93.057	86.342	42.9	126.943	34.0	10.102	0.695	0.265	20.9	0.744	14.4	-0.578	-0.130	12.7	0.592	
1155222.5	15297573.7	1019.3	108.332	103.468	43.7	149.805	31.8	11.921	0.894	0.477	28.1	1.013	11.5	-0.849	-0.426	26.6	0.949	
1155219.6	15297577.8	1019.1	125.274	122.487	44.4	175.204	29.3	13.942	1.120	0.762	34.2	1.355	8.7	-1.103	-0.779	35.2	1.350	
1155216.8	**15297581.9**	**1019.0**	**144.120**	**143.377**	**44.9**	**203.292**	**26.4**	**16.177**	**1.363**	**1.111**	**39.2**	**1.759**	**6.3**	**-1.372**	**-1.191**	**41.0**	**1.816**	**BF and EF exceed limits NG**
1155214.0	**15297586.1**	**1019.0**	**164.044**	**164.674**	**45.1**	**232.440**	**23.4**	**18.497**	**1.599**	**1.492**	**43.0**	**2.187**	**4.3**	**-1.627**	**-1.617**	**44.8**	**2.294**	**BF and EF exceed limits NG**
1155211.1	**15297590.2**	**1018.9**	**183.280**	**183.782**	**45.1**	**259.552**	**20.4**	**20.654**	**1.786**	**1.834**	**45.8**	**2.561**	**2.6**	**-1.822**	**-1.975**	**47.3**	**2.687**	**BF and EF exceed limits NG**
1155208.3	**15297594.3**	**1018.5**	**197.042**	**194.722**	**44.7**	**277.023**	**17.6**	**22.045**	**1.876**	**2.043**	**47.4**	**2.774**	**1.1**	**-1.752**	**-1.996**	**48.7**	**2.656**	**BF and EF exceed limits NG**
1155205.4	**15297598.4**	**1018.3**	**207.307**	**200.562**	**44.1**	**288.446**	**15.2**	**22.954**	**1.848**	**2.069**	**48.2**	**2.774**	**0.9**	**-1.684**	**-1.929**	**48.9**	**2.561**	**BF and EF exceed limits NG**
1155202.6	**15297602.5**	**1018.2**	**211.996**	**199.483**	**43.3**	**291.094**	**13.2**	**23.165**	**1.709**	**1.911**	**48.2**	**2.564**	**1.9**	**-1.529**	**-1.686**	**47.8**	**2.276**	**BF and EF exceed limits NG**
1155199.7	**15297606.6**	**1018.0**	**212.124**	**193.572**	**42.4**	**287.170**	**11.9**	**22.852**	**1.504**	**1.631**	**47.3**	**2.218**	**3.1**	**-1.333**	**-1.341**	**45.2**	**1.890**	**BF and EF exceed limits NG**
1155196.9	**15297610.7**	**1017.7**	**209.367**	**185.550**	**41.5**	**279.756**	**11.3**	**22.262**	**1.285**	**1.311**	**45.6**	**1.836**	**4.4**	**-1.135**	**-0.971**	**40.5**	**1.494**	**BF and EF exceed limits NG**
1155194.1	**15297614.9**	**1017.3**	**205.931**	**178.361**	**40.9**	**272.434**	**11.2**	**21.680**	**1.096**	**1.017**	**42.8**	**1.495**	**5.3**	**-0.999**	**-0.671**	**33.9**	**1.203**	**BF exceeds limit NG**
1155191.2	**15297619.0**	**1016.8**	**202.786**	**173.419**	**40.5**	**266.827**	**11.6**	**21.233**	**0.965**	**0.786**	**39.2**	**1.244**	**5.1**	**-0.925**	**-0.463**	**26.6**	**1.034**	**BF exceeds limit NG**
1155188.4	**15297623.1**	**1016.5**	**202.329**	**172.861**	**40.5**	**266.117**	**12.1**	**21.177**	**0.898**	**0.636**	**35.3**	**1.100**	**3.1**	**-1.012**	**-0.437**	**23.3**	**1.103**	**BF exceeds limit NG**
1155185.5	**15297627.2**	**1016.2**	**203.607**	**175.918**	**40.8**	**269.078**	**12.6**	**21.413**	**0.901**	**0.582**	**32.8**	**1.072**	**1.1**	**-1.183**	**-0.530**	**24.1**	**1.297**	**BF exceeds limit NG**
1155182.7	**15297631.3**	**1015.6**	**205.516**	**181.473**	**41.4**	**274.170**	**12.7**	**21.818**	**0.971**	**0.631**	**33.0**	**1.158**	**4.6**	**-1.364**	**-0.707**	**27.4**	**1.537**	**BF exceeds limit NG**
1155179.9	**15297635.4**	**1015.0**	**208.234**	**189.075**	**42.2**	**281.267**	**12.4**	**22.382**	**1.100**	**0.775**	**35.1**	**1.345**	**6.2**	**-1.566**	**-0.973**	**31.9**	**1.844**	**BF exceeds limit NG**

1155177.0	**15297639.5**	**1014.7**	**213.336**	**199.791**	**43.1**	**292.282**	**11.6**	**23.259**	**1.278**	**1.007**	**38.2**	**1.627**	**6.3**	**-1.910**	**-1.401**	**36.3**	**2.368**	**BF and EF exceed limits NG**
1155174.2	**15297643.7**	**1014.2**	**216.352**	**208.450**	**43.9**	**300.432**	**10.3**	**23.908**	**1.493**	**1.319**	**41.5**	**1.992**	**5.0**	**-2.156**	**-1.806**	**39.9**	**2.813**	**BF and EF exceed limits NG**
1155171.3	**15297647.8**	**1014.0**	**219.877**	**217.358**	**44.7**	**309.177**	**8.6**	**24.604**	**1.722**	**1.688**	**44.4**	**2.411**	**3.7**	**-2.553**	**-2.364**	**42.8**	**3.480**	**BF and EF exceed limits NG**
1155168.5	**15297651.9**	**1013.9**	**219.722**	**221.229**	**45.2**	**311.801**	**6.5**	**24.812**	**1.930**	**2.054**	**46.8**	**2.818**	**2.3**	**-2.905**	**-2.885**	**44.8**	**4.094**	**BF and EF exceed limits NG**
1155165.7	**15297656.0**	**1013.3**	**211.767**	**214.461**	**45.4**	**301.394**	**4.3**	**23.984**	**2.073**	**2.334**	**48.4**	**3.121**	**1.0**	**-2.921**	**-3.000**	**45.8**	**4.187**	**BF and EF exceed limits NG**
1155162.8	**15297660.1**	**1012.8**	**200.500**	**202.596**	**45.3**	**285.036**	**2.3**	**22.682**	**2.137**	**2.492**	**49.4**	**3.283**	**0.6**	**-2.870**	**-2.956**	**45.8**	**4.120**	**BF and EF exceed limits NG**
1155160.0	**15297664.2**	**1012.4**	**188.354**	**188.838**	**45.1**	**266.716**	**0.5**	**21.225**	**2.134**	**2.532**	**49.9**	**3.311**	**1.0**	**-2.776**	**-2.794**	**45.2**	**3.939**	**BF and EF exceed limits NG**
1155157.1	**15297668.3**	**1012.2**	**179.195**	**178.288**	**44.9**	**252.779**	**1.0**	**20.116**	**2.093**	**2.503**	**50.1**	**3.263**	**1.4**	**-2.830**	**-2.767**	**44.4**	**3.958**	**BF and EF exceed limits NG**
1155154.3	**15297672.5**	**1011.9**	**173.793**	**172.158**	**44.7**	**244.627**	**2.2**	**19.467**	**2.049**	**2.456**	**50.2**	**3.199**	**1.5**	**-2.872**	**-2.707**	**43.3**	**3.946**	**BF and EF exceed limits NG**
1155151.4	**15297676.6**	**1011.4**	**171.548**	**169.939**	**44.7**	**241.471**	**3.4**	**19.216**	**2.014**	**2.413**	**50.2**	**3.143**	**1.7**	**-2.753**	**-2.447**	**41.6**	**3.684**	**BF and EF exceed limits NG**
1155148.6	**15297680.7**	**1011.0**	**171.350**	**170.242**	**44.8**	**241.543**	**4.8**	**19.221**	**1.975**	**2.355**	**50.0**	**3.073**	**2.0**	**-2.641**	**-2.181**	**39.6**	**3.425**	**BF and EF exceed limits NG**
1155145.8	**15297684.8**	**1010.4**	**169.873**	**168.841**	**44.8**	**239.508**	**6.5**	**19.059**	**1.908**	**2.240**	**49.6**	**2.942**	**2.3**	**-2.415**	**-1.771**	**36.2**	**2.995**	**BF and EF exceed limits NG**
1155142.9	**15297688.9**	**1009.8**	**164.997**	**163.033**	**44.7**	**231.957**	**8.5**	**18.459**	**1.793**	**2.039**	**48.7**	**2.715**	**2.5**	**-2.059**	**-1.211**	**30.5**	**2.388**	**BF and EF exceed limits NG**
1155140.1	**15297693.0**	**1009.0**	**156.607**	**152.729**	**44.3**	**218.751**	**10.4**	**17.408**	**1.627**	**1.759**	**47.2**	**2.396**	**2.5**	**-1.629**	**-0.601**	**20.3**	**1.737**	**BF and EF exceed limits NG**
1155137.2	**15297697.1**	**1008.7**	**147.688**	**141.687**	**43.8**	**204.663**	**12.3**	**16.287**	**1.426**	**1.433**	**45.1**	**2.022**	**2.6**	**-1.384**	**-0.237**	**9.7**	**1.404**	**BF and EF exceed limits NG**
1155134.4	**15297701.3**	**1007.7**	**135.070**	**126.307**	**43.1**	**184.925**	**13.9**	**14.716**	**1.206**	**1.100**	**42.4**	**1.633**	**2.2**	**-0.939**	**0.254**	**-15.1**	**0.972**	**EF exceeds limit NG**
1155131.6	15297705.4	1007.3	123.939	112.909	42.3	167.658	15.4	13.342	0.990	0.797	38.8	1.271	2.4	-0.724	0.460	-32.4	0.858	
1155128.7	15297709.5	1007.0	113.638	100.734	41.6	151.858	16.6	12.084	0.789	0.541	34.5	0.957	3.1	-0.613	0.540	-41.4	0.817	
1155125.9	15297713.6	1007.0	104.363	89.991	40.8	137.805	17.7	10.966	0.611	0.340	29.0	0.699	3.9	-0.574	0.550	-43.8	0.796	
1155123.0	15297717.7	1006.5	94.373	78.958	39.9	123.047	18.3	9.792	0.460	0.189	22.4	0.497	5.7	-0.447	0.587	-52.7	0.738	
1155120.2	15297721.8	1006.1	85.552	69.544	39.1	110.252	18.8	8.774	0.334	0.082	13.9	0.344	7.7	-0.375	0.579	-57.1	0.690	
1155117.3	15297725.9	1006.0	77.945	61.671	38.4	99.392	19.2	7.909	0.233	0.020	4.9	0.233	8.6	-0.345	0.553	-58.0	0.651	
1155114.5	15297730.1	1006.1	71.282	54.984	37.6	90.024	19.4	7.164	0.152	0.050	18.2	0.160	6.1	-0.330	0.529	-58.0	0.623	
1155111.7	15297734.2	1006.0	64.971	48.919	37.0	81.329	19.5	6.472	0.089	0.081	42.4	0.121	12.4	-0.301	0.504	-59.1	0.587	
1155108.8	15297738.3	1004.7	58.342	42.933	36.3	72.436	19.3	5.764	0.042	0.102	67.6	0.110	20.7	-0.259	0.439	-59.5	0.509	
1155106.0	15297742.4	1000.8	50.939	36.693	35.8	62.779	18.5	4.996	0.031	0.116	75.1	0.120	24.9	-0.242	0.272	-48.4	0.364	
1155103.1	15297746.5	996.3	44.436	31.402	35.2	54.412	17.7	4.330	0.059	0.125	64.6	0.138	25.3	-0.303	0.063	-11.8	0.310	
1155100.3	15297750.6	991.9	39.141	27.193	34.8	47.660	17.1	3.793	0.084	0.128	56.7	0.153	23.2	-0.422	-0.137	18.0	0.444	
1155097.5	15297754.7	987.5	34.726	23.758	34.4	42.075	16.5	3.348	0.102	0.127	51.2	0.163	21.2	-0.575	-0.321	29.2	0.659	
1155094.6	15297758.9	983.6	31.157	21.024	34.0	37.587	16.1	2.991	0.113	0.122	47.3	0.167	19.3	-0.728	-0.465	32.6	0.864	
1155091.8	15297763.0	977.4	27.447	18.273	33.7	32.973	15.5	2.624	0.124	0.118	43.6	0.171	19.0	-0.962	-0.679	35.2	1.178	
1155088.9	15297767.1	964.1	22.770	14.918	33.2	27.222	14.4	2.166	0.141	0.115	39.2	0.181	20.6	-1.476	-1.112	37.0	1.848	
1155086.1	15297771.2	960.1	20.784	13.475	33.0	24.770	14.2	1.971	0.137	0.106	37.6	0.173	19.0	-1.613	-1.164	35.8	1.989	
1155083.3	15297775.3	961.6	19.967	12.852	32.8	23.746	14.3	1.890	0.128	0.097	37.2	0.161	16.5	-1.520	-1.040	34.4	1.842	
1155080.4	15297779.4	966.5	19.704	12.608	32.6	23.392	14.8	1.862	0.119	0.090	37.0	0.149	13.3	-1.313	-0.833	32.4	1.555	
1155077.6	15297783.5	966.9	18.711	11.884	32.4	22.166	14.8	1.764	0.114	0.083	36.2	0.141	11.5	-1.266	-0.767	31.2	1.480	
1155074.7	15297787.7	966.9	17.717	11.172	32.2	20.945	14.8	1.667	0.109	0.078	35.5	0.134	10.0	-1.231	-0.718	30.2	1.425	
1155071.9	15297791.8	966.9	16.790	10.516	32.1	19.812	14.8	1.577	0.105	0.073	34.7	0.128	8.7	-1.194	-0.671	29.4	1.369	
1155069.0	15297795.9	966.8	15.907	9.899	31.9	18.735	14.9	1.491	0.101	0.068	34.0	0.122	7.6	-1.159	-0.632	28.6	1.320	

Critical Energy/Electric Infrastructure Information (CEII) Has Been Redacted From This Document

PLS-CADD Version 20.01x64 7:53:41 AM Monday, March 3, 2025
Quanta Services - Dashiell
Project Name: 'C:\projects\L72\5269-T0072-700 REV 0-0G PLS CADD MODEL.don'
Line Title: 'EMF Existing Conditions - L69 Tower Section'

3D EMF Calculation Notes:
1) Calculations based on the EPRI Red Book methods (3rd Edition, 2005 - 7.4 Calculation of Magnetic Fields and Appendices 7.1 Calculation of Field Ellipse Parameters and 7.6 Electric Field Calculations for 3D Geometry).
2) All wire positions are modeled at the specified weather case and wind direction. Height above ground determined by the modeled ground TIN.
3) Only the effects of wires are being analyzed. The effects of structures are not included unless enabled as noted below.
4) Ground return is being ignored for magnetic field calculations.

Meter height above ground:	3.28 (ft)
Maximum wire distance:	500.00 (ft)
Maximum cable segment size:	5.00 (ft)
Cross section offset +/-:	150.00 (ft)
Result interval:	5.00 (ft)
Electric field limit:	1.60 (kV/m)
Magnetic field limit:	200.00 (mG)
Space potential limit:	0.00 (kV)
Contour Map Spacing:	15 (ft)
Analyzing spans between these structures:	69/72-3 - 69/72-2

One or more sections have wind from both directions which is not supported. A wind direction of left is being used for those sections.

Section Data for 3D EMF Results:

Section Number	Section Note	Voltage Ph-Ph (kV)	Current (Amps)	Cable Filename	Cable Description	Conductors Per Phase	Bundle Diameter (in)	Cable Radius (in)	Weather Case	Condition	Wind Dir.	WC Temperature (deg F)	Effective Radius (in)
3		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
4		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
7		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
9		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
12	69	0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
13	69	0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
16		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
18		0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
127	72	230.0	[redacted]	bunting_acsr.wir	1192.5 kcmil 45/7 Strands BUNTING ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.651	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.651
128	72	230.0		bunting_acsr.wir	1192.5 kcmil 45/7 Strands BUNTING ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.651	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.651
131	70	230.0		bunting_acsr.wir	1192.5 kcmil 45/7 Strands BUNTING ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.651	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.651
132	70	230.0		bunting_acsr.wir	1192.5 kcmil 45/7 Strands BUNTING ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.651	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.651
134	69	230.0		bunting_acsr.wir	1192.5 kcmil 45/7 Strands BUNTING ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.651	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.651
135	69	230.0		bunting_acsr.wir	1192.5 kcmil 45/7 Strands BUNTING ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.651	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.651

Could not find ground from TIN for one or more wires in span #1. Interpolating between structure bases to determine ground. ??

Centerline results between structures 69/72-3 and 69/72-2

3D EMF Point Results Centerline from 69/72-3 to 69/72-2:

Measurement X (ft)	Measurement Y (ft)	Measurement Z (ft)	B Real (mG)	B Imaginary (mG)	B Angle (deg)	B Magnitude (mG)	B Polarization Axial Ratio %	H Magnitude (A/m)	EF Real (kV/m)	EF Imaginary (kV/m)	EF Angle (deg)	EF Magnitude (kV/m)	EF Polarization Axial Ratio %	Space Potential Real (kV)	Space Potential Imaginary (kV)	Space Potential Angle (deg)	Space Potential Magnitude (kV)		
1155804.3	15298121.4	1125.4	101.228	87.016	40.7	133.487	2.1	10.623	1.162	1.202	46.0	1.672	1.1	-1.587	-1.632	45.8	2.276	EF exceeds limit	NG
1155800.2	15298118.6	1125.1	102.573	88.461	40.8	135.449	2.1	10.779	1.173	1.217	46.1	1.690	1.1	-1.734	-1.765	45.5	2.474	EF exceeds limit	NG
1155796.1	15298115.7	1124.9	104.092	90.114	40.9	137.680	2.1	10.956	1.185	1.234	46.2	1.710	1.0	-1.896	-1.917	45.3	2.696	EF exceeds limit	NG
1155792.0	15298112.9	1124.7	105.787	91.977	41.0	140.181	2.1	11.155	1.198	1.251	46.3	1.732	1.0	-2.072	-2.090	45.2	2.943	EF exceeds limit	NG
1155787.9	15298110.0	1124.4	107.396	93.773	41.1	142.574	2.1	11.346	1.212	1.270	46.3	1.755	1.0	-2.225	-2.242	45.2	3.159	EF exceeds limit	NG
1155783.8	15298107.2	1123.9	108.995	95.579	41.2	144.966	2.1	11.536	1.225	1.288	46.4	1.778	0.9	-2.367	-2.387	45.2	3.362	EF exceeds limit	NG
1155779.6	15298104.3	1122.6	108.384	95.045	41.2	144.155	2.1	11.472	1.237	1.303	46.5	1.797	1.0	-2.163	-2.173	45.1	3.066	EF exceeds limit	NG
1155775.5	15298101.5	1119.9	104.973	91.540	41.1	139.280	2.1	11.084	1.246	1.313	46.5	1.810	1.0	-1.505	-1.483	44.6	2.113	EF exceeds limit	NG
1155771.4	15298098.7	1117.6	102.275	88.800	41.0	135.446	2.1	10.778	1.256	1.323	46.5	1.825	1.1	-0.935	-0.886	43.5	1.289	EF exceeds limit	NG
1155767.3	15298095.8	1115.8	100.963	87.520	40.9	133.616	2.1	10.633	1.266	1.335	46.5	1.839	1.1	-0.583	-0.519	41.7	0.780	EF exceeds limit	NG

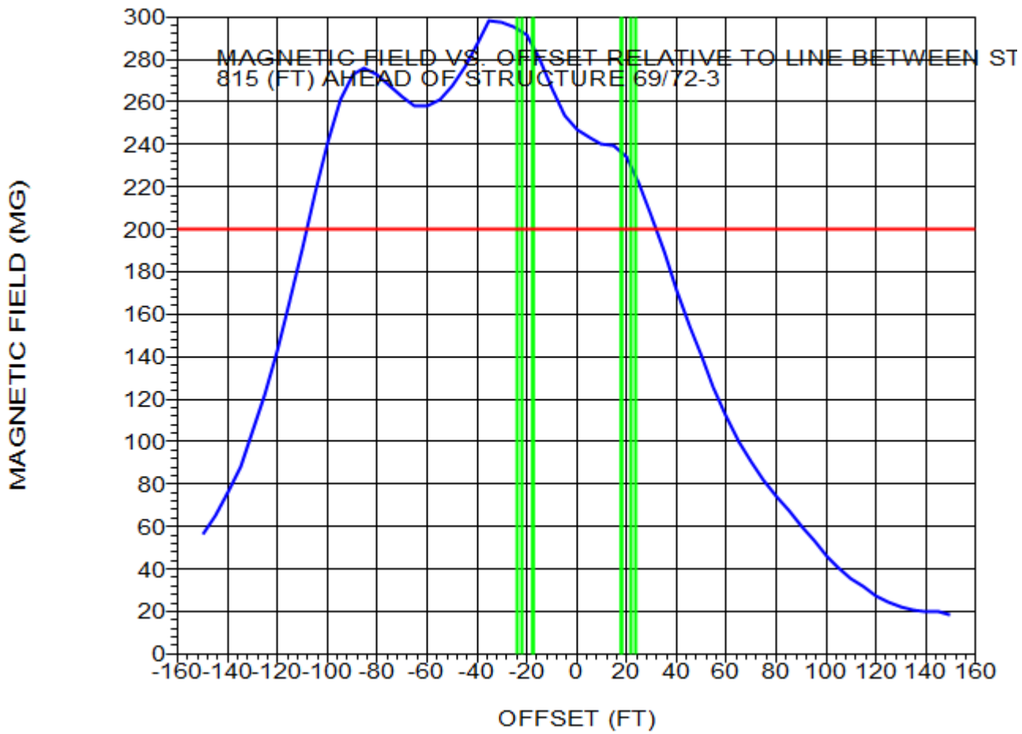
1155763.2	15298093.0	1114.6	101.092	87.751	41.0	133.865	2.1	10.653	1.276	1.346	46.5	1.855	1.2	−0.471	−0.405	40.7	0.621	EF exceeds limit	NG
1155759.1	15298090.1	1113.6	101.821	88.610	41.0	134.978	2.1	10.741	1.286	1.358	46.6	1.870	1.2	−0.458	−0.395	40.8	0.605	EF exceeds limit	NG
1155755.0	15298087.3	1113.0	103.305	90.268	41.1	137.186	2.1	10.917	1.296	1.372	46.6	1.887	1.2	−0.569	−0.514	42.1	0.767	EF exceeds limit	NG
1155750.8	15298084.5	1112.3	104.576	91.702	41.2	139.088	2.1	11.068	1.307	1.386	46.7	1.905	1.3	−0.637	−0.588	42.7	0.867	EF exceeds limit	NG
1155746.7	15298081.6	1111.6	105.976	93.277	41.4	141.180	2.1	11.235	1.319	1.402	46.7	1.925	1.3	−0.720	−0.675	43.2	0.987	EF exceeds limit	NG
1155742.6	15298078.8	1111.0	107.630	95.126	41.5	143.643	2.1	11.431	1.332	1.419	46.8	1.946	1.3	−0.837	−0.798	43.6	1.157	EF exceeds limit	NG
1155738.5	15298075.9	1110.3	109.297	96.994	41.6	146.129	2.1	11.629	1.345	1.437	46.9	1.969	1.4	−0.950	−0.915	43.9	1.318	EF exceeds limit	NG
1155734.4	15298073.1	1109.5	110.410	98.265	41.7	147.805	2.1	11.762	1.359	1.455	47.0	1.991	1.4	−0.965	−0.927	43.8	1.339	EF exceeds limit	NG
1155730.3	15298070.3	1108.6	111.545	99.560	41.8	149.514	2.1	11.898	1.373	1.474	47.0	2.014	1.4	−0.980	−0.937	43.7	1.356	EF exceeds limit	NG
1155726.2	15298067.4	1107.6	112.259	100.394	41.8	150.602	2.1	11.985	1.387	1.493	47.1	2.038	1.5	−0.921	−0.868	43.3	1.265	EF exceeds limit	NG
1155722.0	15298064.6	1106.7	113.492	101.795	41.9	152.456	2.1	12.132	1.402	1.513	47.2	2.062	1.5	−0.942	−0.884	43.2	1.292	EF exceeds limit	NG
1155717.9	15298061.7	1106.1	115.299	103.828	42.0	155.158	2.1	12.347	1.417	1.534	47.3	2.088	1.5	−1.052	−0.996	43.4	1.449	EF exceeds limit	NG
1155713.8	15298058.9	1105.3	116.652	105.365	42.1	157.193	2.1	12.509	1.432	1.554	47.3	2.113	1.5	−1.086	−1.025	43.4	1.493	EF exceeds limit	NG
1155709.7	15298056.0	1104.5	118.013	106.915	42.2	159.242	2.1	12.672	1.447	1.575	47.4	2.139	1.5	−1.118	−1.053	43.3	1.536	EF exceeds limit	NG
1155705.6	15298053.2	1103.7	119.291	108.373	42.3	161.168	2.1	12.825	1.463	1.596	47.5	2.164	1.5	−1.134	−1.064	43.2	1.555	EF exceeds limit	NG
1155701.5	15298050.4	1102.8	120.471	109.727	42.3	162.952	2.1	12.967	1.478	1.616	47.6	2.190	1.6	−1.133	−1.056	43.0	1.549	EF exceeds limit	NG
1155697.4	15298047.5	1102.1	121.960	111.426	42.4	165.197	2.1	13.146	1.494	1.638	47.6	2.216	1.6	−1.180	−1.100	43.0	1.613	EF exceeds limit	NG
1155693.2	15298044.7	1101.3	123.453	113.135	42.5	167.452	2.1	13.325	1.510	1.659	47.7	2.243	1.6	−1.225	−1.143	43.0	1.675	EF exceeds limit	NG
1155689.1	15298041.8	1100.5	124.949	114.852	42.6	169.715	2.1	13.506	1.526	1.681	47.8	2.270	1.6	−1.269	−1.185	43.0	1.737	EF exceeds limit	NG
1155685.0	15298039.0	1099.8	126.419	116.544	42.7	171.942	2.1	13.683	1.542	1.703	47.8	2.297	1.6	−1.308	−1.222	43.1	1.791	EF exceeds limit	NG
1155680.9	15298036.2	1098.9	127.694	118.019	42.7	173.880	2.1	13.837	1.558	1.725	47.9	2.325	1.6	−1.316	−1.225	42.9	1.798	EF exceeds limit	NG
1155676.8	15298033.3	1098.1	128.973	119.501	42.8	175.825	2.1	13.992	1.575	1.748	48.0	2.353	1.7	−1.324	−1.228	42.9	1.806	EF exceeds limit	NG
1155672.7	15298030.5	1097.4	130.478	121.246	42.9	178.115	2.1	14.174	1.592	1.771	48.0	2.381	1.7	−1.367	−1.271	42.9	1.867	EF exceeds limit	NG
1155668.6	15298027.6	1096.6	131.980	122.992	43.0	180.404	2.1	14.356	1.609	1.794	48.1	2.410	1.7	−1.411	−1.315	43.0	1.929	EF exceeds limit	NG
1155664.4	15298024.8	1095.9	133.476	124.736	43.1	182.688	2.1	14.538	1.627	1.817	48.2	2.439	1.7	−1.456	−1.360	43.0	1.992	EF exceeds limit	NG
1155660.3	15298021.9	1095.1	134.966	126.479	43.1	184.967	2.1	14.719	1.644	1.841	48.2	2.468	1.7	−1.501	−1.406	43.1	2.057	EF exceeds limit	NG
1155656.2	15298019.1	1094.2	136.127	127.847	43.2	186.749	2.1	14.861	1.661	1.864	48.3	2.497	1.7	−1.498	−1.398	43.0	2.049	EF exceeds limit	NG
1155652.1	15298016.3	1093.6	137.830	129.847	43.3	189.361	2.1	15.069	1.678	1.887	48.4	2.526	1.8	−1.585	−1.492	43.3	2.177	EF exceeds limit	NG
1155648.0	15298013.4	1092.8	139.186	131.449	43.4	191.446	2.1	15.235	1.695	1.910	48.4	2.553	1.8	−1.623	−1.530	43.3	2.231	EF exceeds limit	NG
1155643.9	15298010.6	1092.0	140.395	132.884	43.4	193.310	2.1	15.383	1.710	1.932	48.5	2.580	1.8	−1.644	−1.551	43.3	2.260	EF exceeds limit	NG
1155639.8	15298007.7	1091.1	141.626	134.350	43.5	195.212	2.1	15.534	1.725	1.952	48.5	2.605	1.9	−1.676	−1.586	43.4	2.308	EF exceeds limit	NG
1155635.6	15298004.9	1090.0	141.829	134.610	43.5	195.539	2.1	15.560	1.739	1.970	48.6	2.628	1.9	−1.553	−1.445	42.9	2.121	EF exceeds limit	NG
1155631.5	15298002.1	1089.1	142.665	135.615	43.5	196.837	2.1	15.664	1.752	1.988	48.6	2.650	2.0	−1.540	−1.431	42.9	2.102	EF exceeds limit	NG
1155627.4	15297999.2	1088.2	143.487	136.605	43.6	198.115	2.1	15.765	1.764	2.003	48.6	2.669	2.0	−1.535	−1.428	42.9	2.097	EF exceeds limit	NG
1155623.3	15297996.4	1087.2	144.251	137.527	43.6	199.304	2.1	15.860	1.774	2.017	48.7	2.686	2.1	−1.532	−1.429	43.0	2.095	EF exceeds limit	NG
1155619.2	15297993.5	1086.3	145.156	138.618	43.7	200.712	2.1	15.972	1.784	2.029	48.7	2.702	2.2	−1.564	−1.470	43.2	2.146	BF and EF exceed limits	NG
1155615.1	15297990.7	1085.7	146.787	140.571	43.8	203.240	2.1	16.173	1.792	2.040	48.7	2.716	2.2	−1.724	−1.661	43.9	2.394	BF and EF exceed limits	NG
1155611.0	15297987.9	1084.8	147.759	141.747	43.8	204.756	2.2	16.294	1.800	2.050	48.7	2.728	2.3	−1.789	−1.744	44.3	2.498	BF and EF exceed limits	NG
1155606.8	15297985.0	1083.9	148.331	142.449	43.8	205.655	2.2	16.365	1.807	2.058	48.7	2.739	2.4	−1.799	−1.768	44.5	2.522	BF and EF exceed limits	NG
1155602.7	15297982.2	1082.9	148.879	143.123	43.9	206.517	2.2	16.434	1.813	2.064	48.7	2.748	2.4	−1.817	−1.802	44.8	2.559	BF and EF exceed limits	NG
1155598.6	15297979.3	1081.8	148.905	143.174	43.9	206.571	2.2	16.438	1.819	2.069	48.7	2.755	2.5	−1.761	−1.753	44.9	2.485	BF and EF exceed limits	NG
1155594.5	15297976.5	1080.6	148.834	143.110	43.9	206.476	2.2	16.431	1.824	2.072	48.7	2.760	2.6	−1.701	−1.702	45.0	2.406	BF and EF exceed limits	NG
1155590.4	15297973.6	1079.6	149.194	143.559	43.9	207.046	2.2	16.476	1.827	2.074	48.6	2.764	2.7	−1.724	−1.748	45.4	2.455	BF and EF exceed limits	NG
1155586.3	15297970.8	1078.5	148.961	143.298	43.9	206.697	2.2	16.448	1.830	2.073	48.6	2.765	2.8	−1.664	−1.701	45.6	2.379	BF and EF exceed limits	NG
1155582.2	15297968.0	1077.4	148.970	143.327	43.9	206.724	2.2	16.451	1.830	2.070	48.5	2.763	2.9	−1.659	−1.718	46.0	2.388	BF and EF exceed limits	NG
1155578.0	15297965.1	1076.3	148.930	143.297	43.9	206.674	2.2	16.447	1.829	2.064	48.5	2.758	3.0	−1.662	−1.745	46.4	2.410	BF and EF exceed limits	NG
1155573.9	15297962.3	1074.9	147.824	141.991	43.8	204.972	2.2	16.311	1.825	2.053	48.4	2.747	3.2	−1.508	−1.596	46.6	2.195	BF and EF exceed limits	NG
1155569.8	15297959.4	1073.7	147.509	141.631	43.8	204.495	2.2	16.273	1.818	2.039	48.3	2.732	3.3	−1.501	−1.613	47.1	2.204	BF and EF exceed limits	NG
1155565.7	15297956.6	1072.3	146.442	140.374	43.8	202.855	2.2	16.143	1.809	2.021	48.2	2.712	3.4	−1.389	−1.512	47.4	2.052	BF and EF exceed limits	NG
1155561.6	15297953.8	1070.9	145.229	138.944	43.7	200.990	2.2	15.994	1.797	2.000	48.1	2.689	3.6	−1.268	−1.399	47.8	1.889	BF and EF exceed limits	NG
1155557.5	15297950.9	1069.4	143.880	137.356	43.7	198.918	2.2	15.829	1.783	1.977	48.0	2.662	3.8	−1.140	−1.274	48.2	1.710	EF exceeds limit	NG
1155553.4	15297948.1	1067.8	142.152	135.322	43.6	196.263	2.2	15.618	1.767	1.953	47.9	2.634	4.0	−0.960	−1.087	48.6	1.450	EF exceeds limit	NG
1155549.2	15297945.2	1066.1	139.883	132.658	43.5	192.783	2.2	15.341	1.752	1.929	47.8	2.606	4.2	−0.700	−0.804	49.0	1.066	EF exceeds limit	NG
1155545.1	15297942.4	1065.6	141.559	134.643	43.6	195.365	2.2	15.547	1.737	1.913	47.8	2.584	4.3	−1.071	−1.220	48.7	1.623	EF exceeds limit	NG
1155541.0	15297939.5	1063.8	139.052	131.700	43.4	191.521	2.2	15.241	1.723	1.894	47.7	2.560	4.5	−0.773	−0.877	48.6	1.169	EF exceeds limit	NG
1155536.9	15297936.7	1063.0	139.858	132.657	43.5	192.764	2.2	15.340	1.711	1.884	47.7	2.545	4.5	−0.995	−1.106	48.0	1.488	EF exceeds limit	NG
1155532.8	15297933.9	1062.1	140.124	132.978	43.5	193.178	2.2	15.373	1.702	1.877	47.8	2.534	4.6	−1.122	−1.219	47.4	1.657	EF exceeds limit	NG
1155528.7	15297931.0	1060.4	137.830	130.290	43.4	189.665	2.2	15.093	1.694	1.870	47.8	2.523	4.7	−0.836	−0.861	45.9	1.200	EF exceeds limit	NG
1155524.6	15297928.2	1059.4	138.015	130.513	43.4	189.952	2.2	15.116	1.688	1.869	47.9	2.519	4.7	−0.931	−0.923	44.8	1.311	EF exceeds limit	NG
1155520.5	15297925.3	1058.5	138.249	130.794	43.4	190.315	2.2	15.145	1.684	1.872	48.0	2.517	4.6	−1.023	−0.975	43.6	1.413	EF exceeds limit	NG
1155516.3	15297922.5	1057.6	138.525	131.125	43.4	190.743	2.2	15.179	1.681	1.876	48.1	2.519	4.6	−1.112	−1.019	42.5	1.508	EF exceeds limit	NG
1155512.2	15297919.7	1057.0	139.542	132.326	43.5	192.308	2.2	15.303	1.679	1.883	48.3	2.523	4.5	−1.307	−1.180	42.1	1.761	EF exceeds limit	NG
1155508.1	15297916.8	1055.9	139.027	131.725	43.5	191.520	2.2	15.241	1.678	1.890	48.4	2.528	4.4	−1.255	−1.056	40.1	1.640	EF exceeds limit	NG
1155504.0	15297914.0	1055.2	139.968	132.837	43.5	192.968	2.2	15.356	1.679	1.900	48.5	2.536	4.2	−1.423	−1.182	39.7	1.850	EF exceeds limit	NG
1155499.9	15297911.1	1054.3	140.004	132.884	43.5	193.027	2.2	15.361	1.679	1.910	48.7	2.543	4.1	−1.445	−1.141	38.3	1.841	EF exceeds limit	NG
1155495.8	15297908.3	1053.7	140.987	134.049	43.6	194.542	2.2	15.481	1.680	1.920	48.8	2.552	3.9	−1.611	−1.268	38.2	2.050	EF exceeds limit	NG
1155491.7	15297905.5	1052.8	141.355	134.488	43.6	195.111	2.2	15.526	1.681	1.929	48.9	2.559	3.7	−1.679	−1.286	37.4	2.115	EF exceeds limit	NG
1155487.5	15297902.6	1052.3	142.615	135.983	43.6	197.055	2.2	15.681	1.682	1.937	49.0	2.565	3.5	−1.885	−1.469	37.9	2.390	EF exceeds limit	NG
1155483.4	15297899.8	1051.6	143.365	136.876	43.7	198.213	2.2	15.773	1.682	1.944	49.1	2.570	3.3	−2.012	−1.564	37.9	2.549	EF exceeds limit	NG
1155479.3	15297896.9	1050.7	143.164	136.639	43.7	197.904	2.2	15.749	1.681	1.949	49.2	2.573	3.1	−1.991	−1.493	36.9	2.489	EF exceeds limit	NG
1155475.2	15297894.1	1050.2	144.463	138.187	43.7	199.913	2.2	15.909	1.681	1.954	49.3	2.577	2.9	−2.206	−1.701	37.6	2.786	EF exceeds limit	NG
1155471.1	15297891.2	1049.2	144.288	137.981	43.7	199.644	2.2	15.887	1.680	1.957	49.4	2.579	2.7	−2.190	−1.647	36.9	2.741	EF exceeds limit	NG
1155467.0	15297888.4	1048.6	145.163	139.024	43.8	200.997	2.2	15.995	1.680	1.962	49.4	2.583	2.5	−2.340	−1.789	37.4	2.946	BF and EF exceed limits	NG
1155462.9	15297885.6	1048.0	146.057	140.094	43.8	202.384	2.2	16.105	1.681	1.967	49.5	2.587	2.3	−2.494	−1.941	37.9	3.160	BF and EF exceed limits	NG

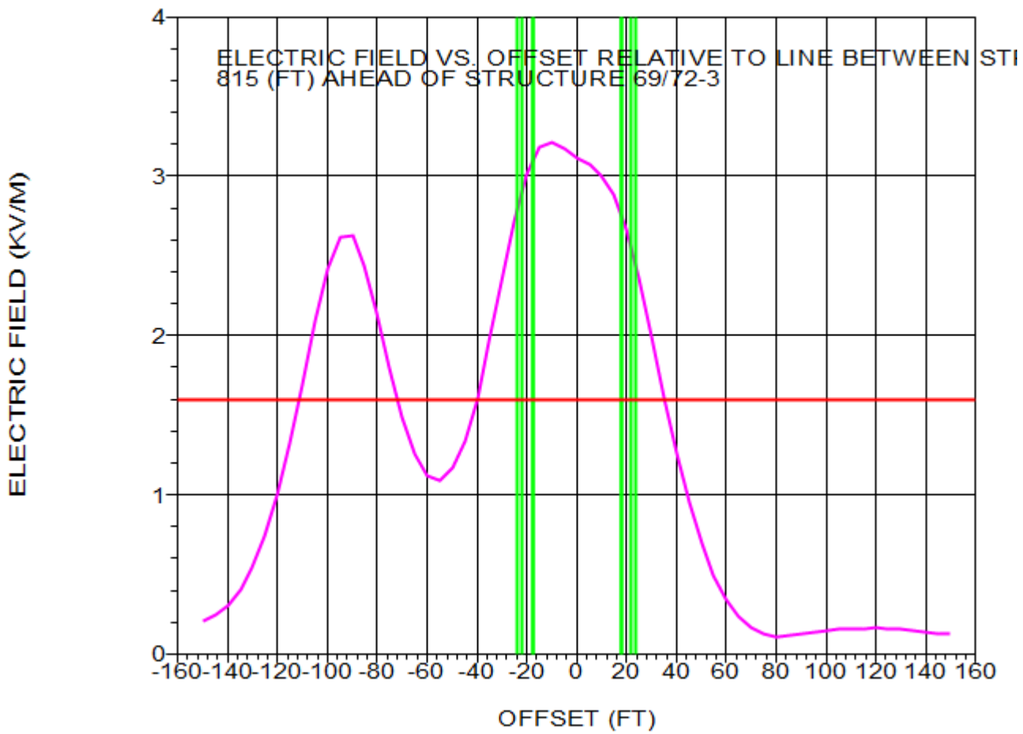
1155458.7	15297882.7	1047.3	146.518	140.645	43.8	203.097	2.2	16.162	1.682	1.972	49.5	2.592	2.1	-2.582	-2.019	38.0	3.277	BF and EF exceed limits NG
1155454.6	15297879.9	1046.5	146.939	141.149	43.8	203.750	2.2	16.214	1.683	1.977	49.6	2.596	1.9	-2.667	-2.098	38.2	3.394	BF and EF exceed limits NG
1155450.5	15297877.0	1046.0	148.033	142.461	43.9	205.448	2.2	16.349	1.684	1.982	49.6	2.601	1.7	-2.864	-2.311	38.9	3.680	BF and EF exceed limits NG
1155446.4	15297874.2	1045.6	149.320	144.008	44.0	207.448	2.2	16.508	1.685	1.986	49.7	2.605	1.5	-3.099	-2.574	39.7	4.029	BF and EF exceed limits NG
1155442.3	15297871.4	1044.9	149.792	144.575	44.0	208.182	2.2	16.567	1.684	1.988	49.7	2.606	1.3	-3.218	-2.705	40.0	4.204	BF and EF exceed limits NG
1155438.2	15297868.5	1044.0	149.697	144.458	44.0	208.032	2.2	16.555	1.682	1.987	49.7	2.603	1.1	-3.263	-2.753	40.2	4.269	BF and EF exceed limits NG
1155434.1	15297865.7	1043.6	151.047	146.086	44.0	210.134	2.2	16.722	1.677	1.983	49.8	2.597	0.9	-3.551	-3.091	41.0	4.708	BF and EF exceed limits NG
1155429.9	15297862.8	1042.6	150.394	145.293	44.0	209.113	2.2	16.641	1.670	1.974	49.8	2.585	0.7	-3.546	-3.091	41.1	4.704	BF and EF exceed limits NG
1155425.8	15297860.0	1041.7	150.133	144.974	44.0	208.704	2.2	16.608	1.659	1.960	49.8	2.568	0.6	-3.626	-3.196	41.4	4.833	BF and EF exceed limits NG
1155421.7	15297857.1	1040.5	148.994	143.595	43.9	206.927	2.2	16.467	1.645	1.942	49.7	2.545	0.5	-3.595	-3.176	41.5	4.798	BF and EF exceed limits NG
1155417.6	15297854.3	1039.4	147.677	142.004	43.9	204.875	2.2	16.303	1.628	1.917	49.7	2.515	0.5	-3.566	-3.164	41.6	4.768	BF and EF exceed limits NG
1155413.5	15297851.5	1038.1	146.213	140.243	43.8	202.599	2.2	16.122	1.605	1.887	49.6	2.477	0.5	-3.546	-3.167	41.8	4.754	BF and EF exceed limits NG
1155409.4	15297848.6	1036.9	144.884	138.647	43.7	200.535	2.2	15.958	1.579	1.851	49.5	2.433	0.6	-3.576	-3.233	42.1	4.821	BF and EF exceed limits NG
1155405.3	15297845.8	1035.5	142.608	135.930	43.6	197.013	2.2	15.678	1.548	1.808	49.4	2.381	0.7	-3.495	-3.175	42.3	4.722	EF exceeds limit NG
1155401.1	15297842.9	1033.9	139.909	132.897	43.5	192.967	2.2	15.356	1.514	1.761	49.3	2.322	0.7	-3.389	-3.123	42.7	4.608	EF exceeds limit NG
1155397.0	15297840.1	1032.1	137.131	129.314	43.3	188.486	2.2	14.999	1.478	1.710	49.2	2.260	0.8	-3.101	-2.899	43.1	4.246	EF exceeds limit NG
1155392.9	15297837.3	1029.8	132.192	123.552	43.1	180.941	2.2	14.399	1.435	1.652	49.0	2.188	1.0	-2.723	-2.510	42.7	3.704	EF exceeds limit NG
1155388.8	15297834.4	1026.9	125.875	116.277	42.7	171.362	2.1	13.637	1.388	1.591	48.9	2.111	1.1	-2.169	-1.926	41.6	2.900	EF exceeds limit NG
1155384.7	15297831.6	1025.2	122.959	112.952	42.6	166.964	2.1	13.287	1.339	1.529	48.8	2.033	1.1	-2.136	-1.928	42.1	2.878	EF exceeds limit NG
1155380.6	15297828.7	1024.0	121.658	111.472	42.5	165.005	2.1	13.131	1.289	1.469	48.7	1.954	1.0	-2.351	-2.203	43.1	3.222	EF exceeds limit NG
1155376.5	15297825.9	1023.2	121.369	111.138	42.5	164.567	2.1	13.096	1.240	1.411	48.7	1.879	0.8	-2.709	-2.630	44.2	3.776	EF exceeds limit NG
1155372.3	15297823.1	1022.0	120.133	109.737	42.4	162.709	2.1	12.948	1.190	1.355	48.7	1.803	0.7	-2.930	-2.897	44.7	4.120	EF exceeds limit NG
1155368.2	15297820.2	1018.9	113.424	102.235	42.0	152.699	2.1	12.151	1.131	1.286	48.7	1.713	0.8	-2.403	-2.335	44.2	3.351	EF exceeds limit NG
1155364.1	15297817.4	1015.2	105.833	93.901	41.6	141.485	2.1	11.259	1.068	1.216	48.7	1.619	0.9	-1.748	-1.631	43.0	2.391	EF exceeds limit NG
1155360.0	15297814.5	1011.1	98.025	85.500	41.1	130.074	2.0	10.351	1.002	1.147	48.9	1.523	1.1	-1.040	-0.872	40.0	1.357	
1155355.9	15297811.7	1008.6	93.964	81.197	40.8	124.186	2.0	9.882	0.942	1.088	49.1	1.439	1.4	-0.850	-0.673	38.3	1.084	
1155351.8	15297808.8	1007.3	92.588	79.746	40.7	122.196	2.0	9.724	0.890	1.039	49.4	1.368	1.7	-1.019	-0.859	40.1	1.333	
1155347.7	15297806.0	1006.1	91.478	78.580	40.7	120.594	2.0	9.597	0.843	0.996	49.7	1.305	2.0	-1.186	-1.037	41.2	1.575	
1155343.5	15297803.2	1003.0	86.668	73.586	40.3	113.693	2.0	9.047	0.784	0.944	50.3	1.227	2.6	-0.793	-0.606	37.4	0.998	
1155339.4	15297800.3	998.7	79.966	66.749	39.9	104.163	2.0	8.289	0.717	0.887	51.1	1.140	3.4	-0.073	0.183	-68.3	0.197	
1155335.3	15297797.5	994.2	73.650	60.437	39.4	95.273	1.9	7.582	0.648	0.832	52.1	1.054	4.5	0.673	1.003	56.1	1.208	
1155331.2	15297794.6	990.1	68.339	55.230	38.9	87.867	1.9	6.992	0.584	0.782	53.3	0.976	6.4	1.361	1.761	52.3	2.226	
1155327.1	15297791.8	985.6	63.093	50.181	38.5	80.615	1.8	6.415	0.526	0.739	54.5	0.907	9.5	2.151	2.637	50.8	3.404	
1155323.0	15297789.0	984.7	62.812	49.910	38.5	80.227	1.8	6.384	0.529	0.742	54.5	0.911	11.7	2.233	2.725	50.7	3.523	
1155318.9	15297786.1	987.8	67.739	54.635	38.9	87.026	1.9	6.925	0.596	0.799	53.3	0.997	11.2	1.544	1.966	51.8	2.500	
1155314.7	15297783.3	991.9	74.858	61.607	39.5	96.949	1.9	7.715	0.679	0.876	52.2	1.109	9.9	0.600	0.943	57.6	1.117	
1155310.6	15297780.4	993.3	78.100	64.834	39.7	101.503	1.9	8.077	0.746	0.941	51.6	1.201	9.7	0.337	0.672	63.3	0.752	
1155306.5	15297777.6	994.9	81.927	68.685	40.0	106.910	2.0	8.508	0.815	1.010	51.1	1.298	9.3	0.030	0.354	85.1	0.355	
1155302.4	15297774.7	996.8	86.514	73.360	40.3	113.430	2.0	9.026	0.882	1.078	50.7	1.393	8.7	-0.361	-0.055	8.6	0.366	
1155298.3	15297771.9	999.0	92.205	79.250	40.7	121.582	2.0	9.675	0.945	1.141	50.4	1.482	8.2	-0.895	-0.620	34.7	1.089	
1155294.2	15297769.1	1000.6	96.721	83.988	41.0	128.097	2.0	10.194	1.002	1.199	50.1	1.562	7.8	-1.231	-0.973	38.3	1.569	
1155290.1	15297766.2	1001.3	99.632	87.068	41.2	132.315	2.0	10.529	1.054	1.251	49.9	1.636	7.7	-1.320	-1.054	38.6	1.689	EF exceeds limit NG
1155285.9	15297763.4	1000.0	97.810	85.121	41.0	129.663	2.0	10.318	1.105	1.300	49.6	1.706	8.0	-0.686	-0.341	26.5	0.766	EF exceeds limit NG
1155281.8	15297760.5	999.3	97.603	84.892	41.0	129.356	2.0	10.294	1.155	1.348	49.4	1.775	8.1	-0.276	0.131	-25.4	0.305	EF exceeds limit NG
1155277.7	15297757.7	998.5	96.905	84.141	41.0	128.337	2.0	10.213	1.206	1.396	49.2	1.844	8.3	0.229	0.715	72.2	0.751	EF exceeds limit NG
1155273.6	15297754.9	998.1	97.279	84.526	41.0	128.872	2.0	10.255	1.253	1.442	49.0	1.910	8.3	0.574	1.133	63.2	1.270	EF exceeds limit NG
1155269.5	15297752.0	1000.6	104.191	91.897	41.4	138.927	2.1	11.055	1.282	1.482	49.2	1.960	7.7	-0.148	0.377	-68.5	0.405	EF exceeds limit NG
1155265.4	15297749.2	1004.2	114.693	103.354	42.0	154.391	2.1	12.286	1.313	1.532	49.4	2.018	6.8	-1.371	-0.938	34.4	1.661	EF exceeds limit NG
1155261.3	15297746.3	1004.4	116.075	105.159	42.2	156.626	2.1	12.464	1.351	1.582	49.5	2.081	6.6	-1.203	-0.735	31.4	1.410	EF exceeds limit NG
1155257.1	15297743.5	1004.8	118.847	108.062	42.3	160.630	2.1	12.782	1.391	1.636	49.6	2.147	6.3	-1.158	-0.646	29.2	1.326	EF exceeds limit NG
1155253.0	15297740.7	1006.3	124.368	114.259	42.6	168.886	2.2	13.440	1.429	1.691	49.8	2.214	5.8	-1.582	-1.076	34.2	1.913	EF exceeds limit NG
1155248.9	15297737.8	1007.9	130.562	121.304	42.9	178.216	2.2	14.182	1.468	1.746	50.0	2.281	5.4	-2.100	-1.625	37.7	2.655	EF exceeds limit NG
1155244.8	15297735.0	1008.2	133.055	124.154	43.0	181.983	2.2	14.482	1.505	1.797	50.0	2.344	5.1	-2.077	-1.557	36.9	2.596	EF exceeds limit NG
1155240.7	15297732.1	1009.3	137.918	129.775	43.3	189.375	2.2	15.070	1.543	1.848	50.1	2.407	4.8	-2.408	-1.909	38.4	3.073	EF exceeds limit NG
1155236.6	15297729.3	1010.2	142.267	134.848	43.5	196.020	2.2	15.599	1.580	1.898	50.2	2.469	4.5	-2.672	-2.194	39.4	3.457	EF exceeds limit NG
1155232.5	15297726.4	1011.3	147.473	140.981	43.7	204.019	2.2	16.235	1.618	1.948	50.3	2.532	4.2	-3.073	-2.650	40.8	4.058	BF and EF exceed limits NG
1155228.3	15297723.6	1011.2	148.378	142.030	43.7	205.398	2.2	16.345	1.652	1.990	50.3	2.587	4.0	-2.846	-2.374	39.8	3.706	BF and EF exceed limits NG
1155224.2	15297720.8	1011.6	151.219	145.394	43.9	209.778	2.2	16.694	1.687	2.035	50.3	2.644	3.8	-2.917	-2.456	40.1	3.814	BF and EF exceed limits NG
1155220.1	15297717.9	1011.5	152.390	146.767	43.9	211.574	2.2	16.837	1.721	2.077	50.4	2.698	3.7	-2.743	-2.254	39.4	3.550	BF and EF exceed limits NG
1155216.0	15297715.1	1011.8	154.965	149.831	44.0	215.554	2.2	17.153	1.755	2.119	50.4	2.752	3.5	-2.797	-2.328	39.8	3.640	BF and EF exceed limits NG
1155211.9	15297712.2	1012.3	157.830	153.260	44.2	219.998	2.2	17.507	1.789	2.160	50.4	2.805	3.3	-2.916	-2.485	40.4	3.831	BF and EF exceed limits NG
1155207.8	15297709.4	1012.7	160.895	156.948	44.3	224.766	2.2	17.886	1.821	2.200	50.4	2.856	3.1	-3.090	-2.711	41.3	4.110	BF and EF exceed limits NG
1155203.7	15297706.6	1012.9	162.721	159.136	44.4	227.602	2.2	18.112	1.851	2.235	50.4	2.902	3.0	-3.083	-2.725	41.5	4.115	BF and EF exceed limits NG
1155199.5	15297703.7	1012.7	163.434	159.966	44.4	228.691	2.2	18.199	1.879	2.267	50.3	2.944	2.9	-2.906	-2.541	41.2	3.861	BF and EF exceed limits NG
1155195.4	15297700.9	1012.7	164.693	161.465	44.4	230.640	2.2	18.354	1.905	2.297	50.3	2.984	2.7	-2.841	-2.490	41.2	3.778	BF and EF exceed limits NG
1155191.3	15297698.0	1012.9	166.749	163.943	44.5	233.843	2.2	18.609	1.930	2.325	50.3	3.022	2.6	-2.938	-2.631	41.8	3.944	BF and EF exceed limits NG
1155187.2	15297695.2	1013.3	169.118	166.813	44.6	237.545	2.2	18.903	1.952	2.351	50.3	3.056	2.4	-3.119	-2.872	42.6	4.240	BF and EF exceed limits NG
1155183.1	15297692.3	1012.8	168.750	166.311	44.6	236.930	2.2	18.854	1.973	2.373	50.3	3.086	2.3	-2.829	-2.552	42.1	3.810	BF and EF exceed limits NG
1155179.0	15297689.5	1012.3	168.466	165.913	44.6	236.449	2.2	18.816	1.991	2.393	50.2	3.113	2.2	-2.572	-2.271	41.4	3.431	BF and EF exceed limits NG
1155174.9	15297686.7	1012.4	169.751	167.445	44.6	238.439	2.2	18.974	2.007	2.410	50.2	3.137	2.1	-2.628	-2.357	41.9	3.530	BF and EF exceed limits NG
1155170.7	15297683.8	1012.3	170.784	168.666	44.6	240.032	2.2	19.101	2.021	2.425	50.2	3.157	2.0	-2.664	-2.417	42.2	3.597	BF and EF exceed limits NG
1155166.6	15297681.0	1012.2	171.508	169.506	44.7	241.137	2.2	19.189	2.032	2.437	50.2	3.173	1.8	-2.668	-2.436	42.4	3.613	BF and EF exceed limits NG
1155162.5	15297678.1	1012.2	172.436	170.597	44.7	242.564	2.2	19.303	2.040	2.447	50.2	3.186	1.7	-2.739	-2.532	42.8	3.730	BF and EF exceed limits NG
1155158.4	15297675.3	1012.0	173.153	171.425	44.7	243.657	2.2	19.390	2.046	2.453	50.2	3.195	1.6	-2.798	-2.612	43.0	3.827	BF and EF exceed limits NG

1155154.3	15297672.5	1011.9	173.793	172.158	44.7	244.627	2.2	19.467	2.049	2.456	50.2	3.199	1.5	-2.872	-2.707	43.3	3.946	BF and EF exceed limits NG
1155150.2	15297669.6	1011.6	173.838	172.156	44.7	244.658	2.2	19.469	2.049	2.454	50.1	3.197	1.5	-2.860	-2.700	43.4	3.933	BF and EF exceed limits NG
1155146.1	15297666.8	1011.4	174.119	172.443	44.7	245.060	2.2	19.501	2.044	2.447	50.1	3.188	1.4	-2.927	-2.787	43.6	4.042	BF and EF exceed limits NG
1155141.9	15297663.9	1011.2	174.377	172.701	44.7	245.424	2.2	19.530	2.035	2.434	50.1	3.172	1.3	-3.022	-2.910	43.9	4.195	BF and EF exceed limits NG
1155137.8	15297661.1	1011.2	175.414	173.918	44.8	247.017	2.1	19.657	2.021	2.414	50.1	3.148	1.2	-3.302	-3.255	44.6	4.636	BF and EF exceed limits NG
1155133.7	15297658.3	1011.0	175.458	173.909	44.7	247.042	2.1	19.659	2.005	2.389	50.0	3.118	1.1	-3.416	-3.405	44.9	4.823	BF and EF exceed limits NG
1155129.6	15297655.4	1009.9	172.920	170.727	44.6	243.000	2.1	19.337	1.986	2.358	49.9	3.083	1.1	-3.065	-3.010	44.5	4.296	BF and EF exceed limits NG
1155125.5	15297652.6	1009.3	171.824	169.324	44.6	241.234	2.1	19.197	1.963	2.324	49.8	3.042	1.0	-3.024	-2.983	44.6	4.248	BF and EF exceed limits NG
1155121.4	15297649.7	1008.3	169.600	166.549	44.5	237.703	2.1	18.916	1.937	2.285	49.7	2.996	1.0	-2.806	-2.751	44.4	3.930	BF and EF exceed limits NG
1155117.3	15297646.9	1006.9	165.677	161.726	44.3	231.526	2.1	18.424	1.910	2.242	49.6	2.946	0.9	-2.322	-2.209	43.6	3.205	BF and EF exceed limits NG
1155113.1	15297644.0	1006.0	163.413	158.936	44.2	227.957	2.1	18.140	1.882	2.201	49.5	2.896	0.9	-2.154	-2.036	43.4	2.964	BF and EF exceed limits NG
1155109.0	15297641.2	1005.0	160.583	155.481	44.1	223.521	2.1	17.787	1.855	2.161	49.4	2.848	0.9	-1.905	-1.766	42.8	2.598	BF and EF exceed limits NG
1155104.9	15297638.4	1003.8	157.390	151.614	43.9	218.537	2.1	17.391	1.829	2.125	49.3	2.803	0.9	-1.607	-1.432	41.7	2.153	BF and EF exceed limits NG
1155100.8	15297635.5	1003.2	156.112	150.044	43.9	216.528	2.1	17.231	1.807	2.095	49.2	2.767	1.0	-1.627	-1.457	41.8	2.184	BF and EF exceed limits NG
1155096.7	15297632.7	1002.6	154.810	148.450	43.8	214.484	2.1	17.068	1.787	2.070	49.2	2.735	1.1	-1.638	-1.464	41.8	2.197	BF and EF exceed limits NG
1155092.6	15297629.8	1002.0	153.339	146.662	43.7	212.185	2.1	16.885	1.768	2.048	49.2	2.706	1.2	-1.620	-1.427	41.4	2.158	BF and EF exceed limits NG
1155088.5	15297627.0	1001.4	152.142	145.202	43.7	210.311	2.1	16.736	1.751	2.028	49.2	2.680	1.2	-1.641	-1.429	41.0	2.176	BF and EF exceed limits NG
1155084.3	15297624.2	1001.2	152.008	144.998	43.6	210.073	2.1	16.717	1.736	2.011	49.2	2.657	1.3	-1.828	-1.615	41.5	2.440	BF and EF exceed limits NG
1155080.2	15297621.3	1001.1	152.206	145.183	43.6	210.345	2.1	16.739	1.721	1.995	49.2	2.634	1.4	-2.063	-1.852	41.9	2.773	BF and EF exceed limits NG
1155076.1	15297618.5	1000.9	152.168	145.091	43.6	210.254	2.1	16.731	1.706	1.978	49.2	2.612	1.5	-2.258	-2.039	42.1	3.043	BF and EF exceed limits NG
1155072.0	15297615.6	1000.5	151.325	144.052	43.6	208.926	2.1	16.626	1.690	1.960	49.2	2.588	1.5	-2.327	-2.079	41.8	3.120	BF and EF exceed limits NG
1155067.9	15297612.8	999.9	149.901	142.337	43.5	206.713	2.1	16.450	1.673	1.941	49.2	2.563	1.6	-2.308	-2.014	41.1	3.063	BF and EF exceed limits NG
1155063.8	15297609.9	999.5	149.114	141.371	43.5	205.477	2.1	16.351	1.657	1.923	49.2	2.539	1.6	-2.388	-2.059	40.8	3.153	BF and EF exceed limits NG
1155059.7	15297607.1	999.2	148.403	140.494	43.4	204.358	2.1	16.262	1.641	1.905	49.3	2.514	1.7	-2.480	-2.116	40.5	3.260	BF and EF exceed limits NG
1155055.5	15297604.3	998.8	147.612	139.528	43.4	203.119	2.1	16.164	1.624	1.886	49.3	2.489	1.8	-2.561	-2.157	40.1	3.348	BF and EF exceed limits NG
1155051.4	15297601.4	998.3	146.236	137.885	43.3	200.991	2.0	15.994	1.607	1.867	49.3	2.464	1.8	-2.556	-2.095	39.3	3.305	BF and EF exceed limits NG
1155047.3	15297598.6	997.8	145.199	136.639	43.3	199.381	2.0	15.866	1.591	1.849	49.3	2.439	1.9	-2.603	-2.090	38.8	3.338	EF exceeds limit NG
1155043.2	15297595.7	997.2	143.586	134.733	43.2	196.901	2.0	15.669	1.574	1.831	49.3	2.414	1.9	-2.565	-1.984	37.7	3.243	EF exceeds limit NG
1155039.1	15297592.9	996.6	141.784	132.617	43.1	194.139	2.0	15.449	1.557	1.814	49.4	2.390	2.0	-2.501	-1.844	36.4	3.107	EF exceeds limit NG
1155035.0	15297590.1	995.8	139.523	129.988	43.0	190.693	2.0	15.175	1.540	1.796	49.4	2.366	2.0	-2.371	-1.624	34.4	2.874	EF exceeds limit NG
1155030.9	15297587.2	995.2	138.012	128.224	42.9	188.384	2.0	14.991	1.524	1.781	49.4	2.344	2.0	-2.353	-1.532	33.1	2.808	EF exceeds limit NG
1155026.7	15297584.4	994.9	137.336	127.414	42.9	187.338	2.0	14.908	1.510	1.767	49.5	2.324	2.0	-2.461	-1.586	32.8	2.928	EF exceeds limit NG
1155022.6	15297581.5	994.8	137.124	127.134	42.8	186.992	2.0	14.880	1.495	1.753	49.5	2.304	2.0	-2.642	-1.724	33.1	3.154	EF exceeds limit NG
1155018.5	15297578.7	994.3	135.750	125.538	42.8	184.900	2.0	14.714	1.479	1.736	49.6	2.281	1.9	-2.658	-1.673	32.2	3.141	EF exceeds limit NG
1155014.4	15297575.9	993.8	134.325	123.890	42.7	182.735	2.0	14.542	1.462	1.718	49.6	2.256	1.8	-2.676	-1.626	31.3	3.131	EF exceeds limit NG
1155010.3	15297573.0	993.7	134.184	123.693	42.7	182.497	2.0	14.523	1.445	1.699	49.6	2.231	1.8	-2.889	-1.812	32.1	3.411	EF exceeds limit NG
1155006.2	15297570.2	993.6	134.019	123.470	42.7	182.225	2.0	14.501	1.427	1.677	49.6	2.202	1.7	-3.109	-2.011	32.9	3.703	EF exceeds limit NG
1155002.1	15297567.3	993.5	133.757	123.138	42.6	181.808	2.0	14.468	1.407	1.653	49.6	2.171	1.6	-3.324	-2.211	33.6	3.992	EF exceeds limit NG
1154997.9	15297564.5	993.0	132.523	121.718	42.6	179.938	2.0	14.319	1.385	1.626	49.6	2.136	1.5	-3.413	-2.270	33.6	4.099	EF exceeds limit NG
1154993.8	15297561.6	992.7	131.454	120.489	42.5	178.319	2.0	14.190	1.362	1.596	49.5	2.098	1.5	-3.537	-2.375	33.9	4.261	EF exceeds limit NG
1154989.7	15297558.8	992.3	130.298	119.169	42.4	176.576	2.0	14.051	1.337	1.564	49.5	2.058	1.4	-3.659	-2.486	34.2	4.424	EF exceeds limit NG
1154985.6	15297556.0	991.6	128.443	117.080	42.4	173.797	2.0	13.830	1.311	1.529	49.4	2.014	1.4	-3.694	-2.502	34.1	4.462	EF exceeds limit NG
1154981.5	15297553.1	990.4	124.903	113.147	42.2	168.532	2.0	13.411	1.282	1.490	49.3	1.965	1.5	-3.509	-2.268	32.9	4.178	EF exceeds limit NG
1154977.4	15297550.3	989.6	122.357	110.336	42.0	164.759	2.0	13.111	1.253	1.452	49.2	1.918	1.5	-3.467	-2.207	32.5	4.110	EF exceeds limit NG
1154973.3	15297547.4	988.0	117.943	105.521	41.8	158.257	2.0	12.594	1.222	1.409	49.1	1.865	1.6	-3.173	-1.863	30.4	3.680	EF exceeds limit NG
1154969.1	15297544.6	986.6	114.028	101.294	41.6	152.522	2.0	12.137	1.190	1.368	49.0	1.813	1.8	-2.949	-1.605	28.6	3.357	EF exceeds limit NG
1154965.0	15297541.8	985.6	111.196	98.267	41.5	148.394	2.0	11.809	1.161	1.329	48.9	1.764	1.9	-2.872	-1.523	27.9	3.251	EF exceeds limit NG
1154960.9	15297538.9	984.1	107.265	94.104	41.3	142.693	2.0	11.355	1.131	1.288	48.7	1.714	2.0	-2.638	-1.265	25.6	2.926	EF exceeds limit NG
1154956.8	15297536.1	982.6	103.484	90.145	41.1	137.241	2.0	10.921	1.101	1.250	48.6	1.666	2.1	-2.417	-1.026	23.0	2.625	EF exceeds limit NG
1154952.7	15297533.2	981.7	101.128	87.711	40.9	133.866	2.0	10.653	1.076	1.216	48.5	1.623	2.2	-2.387	-1.008	22.9	2.591	EF exceeds limit NG
1154948.6	15297530.4	980.5	98.228	84.737	40.8	129.727	2.0	10.323	1.050	1.183	48.4	1.582	2.3	-2.268	-0.891	21.5	2.437	
1154944.5	15297527.5	979.8	96.411	82.906	40.7	127.155	2.0	10.119	1.029	1.155	48.3	1.547	2.3	-2.292	-0.938	22.3	2.477	
1154940.3	15297524.7	978.7	93.549	80.019	40.5	123.103	2.0	9.796	1.007	1.126	48.2	1.511	2.4	-2.154	-0.804	20.5	2.299	
1154936.2	15297521.9	977.5	90.785	77.258	40.4	119.208	2.0	9.486	0.986	1.100	48.1	1.477	2.4	-2.017	-0.673	18.5	2.126	
1154932.1	15297519.0	976.8	88.852	75.362	40.3	116.508	2.0	9.271	0.969	1.077	48.0	1.448	2.4	-1.989	-0.668	18.6	2.098	
1154928.0	15297516.2	976.0	86.742	73.300	40.2	113.565	2.0	9.037	0.952	1.054	47.9	1.421	2.5	-1.926	-0.624	18.0	2.025	
1154923.9	15297513.3	974.9	84.154	70.766	40.1	109.954	2.0	8.750	0.936	1.032	47.8	1.393	2.5	-1.782	-0.494	15.5	1.850	
1154919.8	15297510.5	974.2	82.218	68.896	40.0	107.268	2.1	8.536	0.921	1.012	47.7	1.368	2.5	-1.729	-0.467	15.1	1.791	
1154915.7	15297507.7	973.5	80.317	67.064	39.9	104.634	2.1	8.327	0.907	0.992	47.6	1.344	2.5	-1.677	-0.444	14.8	1.735	
1154911.5	15297504.8	972.6	77.853	64.664	39.7	101.205	2.1	8.054	0.892	0.971	47.4	1.319	2.6	-1.534	-0.322	11.9	1.567	
1154907.4	15297502.0	971.6	75.456	62.325	39.6	97.867	2.1	7.788	0.878	0.950	47.3	1.294	2.6	-1.396	-0.209	8.5	1.411	
1154903.3	15297499.1	970.8	73.183	60.095	39.4	94.695	2.1	7.536	0.864	0.930	47.1	1.269	2.6	-1.272	-0.115	5.2	1.278	
1154899.2	15297496.3	970.2	71.397	58.330	39.2	92.195	2.1	7.337	0.851	0.909	46.9	1.245	2.6	-1.227	-0.107	5.0	1.231	
1154895.1	15297493.5	969.7	69.638	56.569	39.1	89.719	2.1	7.140	0.838	0.889	46.7	1.222	2.6	-1.182	-0.101	4.9	1.187	
1154891.0	15297490.6	969.2	68.049	54.949	38.9	87.465	2.1	6.960	0.825	0.869	46.5	1.198	2.5	-1.162	-0.121	5.9	1.168	
1154886.9	15297487.8	968.8	66.516	53.358	38.7	85.273	2.1	6.786	0.813	0.849	46.2	1.176	2.5	-1.141	-0.140	7.0	1.150	
1154882.7	15297484.9	968.5	65.243	52.000	38.6	83.430	2.1	6.639	0.802	0.830	46.0	1.154	2.4	-1.154	-0.193	9.5	1.170	
1154878.6	15297482.1	968.2	64.147	50.796	38.4	81.823	2.0	6.511	0.792	0.812	45.7	1.134	2.3	-1.177	-0.256	12.3	1.204	
1154874.5	15297479.2	967.9	63.215	49.747	38.2	80.442	2.0	6.401	0.783	0.797	45.5	1.117	2.3	-1.200	-0.318	14.8	1.241	
1154870.4	15297476.4	967.6	62.569	48.980	38.1	79.460	1.9	6.323	0.776	0.784	45.3	1.104	2.2	-1.238	-0.393	17.6	1.299	
1154866.3	15297473.6	967.4	62.209	48.511	37.9	78.888	1.9	6.278	0.772	0.775	45.1	1.094	2.1	-1.282	-0.474	20.3	1.367	
1154862.2	15297470.7	967.2	62.350	48.553	37.9	79.025	1.8	6.289	0.771	0.770	45.0	1.090	2.0	-1.371	-0.599	23.6	1.496	
1154858.1	15297467.9	967.1	62.853	48.987	37.9	79.688	1.8	6.341	0.773	0.770	44.9	1.091	2.0	-1.470	-0.732	26.5	1.643	
1154854.0	15297465.0	966.9	63.631	49.736	38.0	80.763	1.7	6.427	0.778	0.774	44.9	1.097	1.9	-1.559	-0.854	28.7	1.777	

Max BF along centerline is 247.042 (mG) at 815.000 (ft) from structure 69/72-3

Cross section results at max BF along centerline between structures 69/72-3 and 69/72-2





3D EMF Point Results Span from 69/72-3 to 69/72-2:

Measurement			B					H	EF					Space Potential				
X (ft)	Y (ft)	Z (ft)	Real (mG)	Imaginary (mG)	Angle (deg)	Magnitude (mG)	Polarization Axial Ratio %	Magnitude (A/m)	Real (kV/m)	Imaginary (kV/m)	Angle (deg)	Magnitude (kV/m)	Polarization Axial Ratio %	Real (kV)	Imaginary (kV)	Angle (deg)	Magnitude (kV)	
1155219.0	15297534.8	1016.4	43.966	34.970	38.5	56.177	40.3	4.470	0.137	0.152	47.9	0.205	29.1	0.050	0.348	81.9	0.352	
1155216.1	15297538.9	1016.2	50.471	41.186	39.2	65.143	39.3	5.184	0.205	0.131	32.7	0.243	28.3	-0.030	0.301	-84.2	0.302	
1155213.3	15297543.1	1016.5	58.437	49.098	40.0	76.325	38.3	6.074	0.291	0.103	19.5	0.309	26.4	-0.161	0.244	-56.6	0.292	
1155210.4	15297547.2	1016.2	67.171	58.001	40.8	88.747	36.9	7.062	0.398	0.081	11.6	0.407	20.4	-0.271	0.139	-27.2	0.304	
1155207.6	15297551.3	1016.1	77.586	68.957	41.6	103.801	35.3	8.260	0.531	0.140	14.8	0.549	16.0	-0.424	0.000	-0.0	0.424	
1155204.7	15297555.4	1016.1	89.773	82.108	42.4	121.659	33.5	9.681	0.691	0.279	22.0	0.745	12.5	-0.616	-0.192	17.3	0.645	
1155201.9	15297559.5	1016.2	104.114	97.894	43.2	142.909	31.4	11.372	0.879	0.485	28.9	1.004	9.9	-0.867	-0.461	28.0	0.982	
1155199.1	15297563.6	1016.1	119.886	115.263	43.9	166.307	28.9	13.234	1.091	0.754	34.7	1.327	7.4	-1.098	-0.775	35.2	1.344	
1155196.2	**15297567.7**	**1015.9**	**136.716**	**133.458**	**44.3**	**191.056**	**26.2**	**15.204**	**1.315**	**1.077**	**39.3**	**1.700**	**5.2**	**-1.292**	**-1.096**	**40.3**	**1.694**	**EF exceeds limit NG**
1155193.4	**15297571.9**	**1015.9**	**154.681**	**152.287**	**44.6**	**217.066**	**23.3**	**17.274**	**1.529**	**1.422**	**42.9**	**2.088**	**3.5**	**-1.502**	**-1.440**	**43.8**	**2.081**	**BF and EF exceed limits NG**
1155190.5	**15297576.0**	**1015.8**	**171.951**	**169.188**	**44.5**	**241.230**	**20.5**	**19.196**	**1.697**	**1.729**	**45.5**	**2.422**	**2.1**	**-1.659**	**-1.722**	**46.1**	**2.392**	**BF and EF exceed limits NG**
1155187.7	**15297580.1**	**1015.7**	**186.750**	**181.953**	**44.3**	**260.734**	**17.8**	**20.749**	**1.781**	**1.923**	**47.2**	**2.621**	**0.9**	**-1.743**	**-1.883**	**47.2**	**2.566**	**BF and EF exceed limits NG**
1155184.9	**15297584.2**	**1015.6**	**197.440**	**188.907**	**43.7**	**273.256**	**15.4**	**21.745**	**1.759**	**1.951**	**48.0**	**2.627**	**0.8**	**-1.740**	**-1.884**	**47.3**	**2.564**	**BF and EF exceed limits NG**
1155182.0	**15297588.3**	**1015.4**	**201.795**	**188.181**	**43.0**	**275.922**	**13.6**	**21.957**	**1.637**	**1.813**	**47.9**	**2.442**	**1.7**	**-1.557**	**-1.620**	**46.1**	**2.247**	**BF and EF exceed limits NG**
1155179.2	**15297592.4**	**1015.1**	**202.386**	**183.567**	**42.2**	**273.234**	**12.3**	**21.743**	**1.455**	**1.565**	**47.1**	**2.137**	**2.8**	**-1.355**	**-1.288**	**43.5**	**1.870**	**BF and EF exceed limits NG**
1155176.3	**15297596.5**	**1014.8**	**200.499**	**177.184**	**41.5**	**267.571**	**11.6**	**21.293**	**1.260**	**1.279**	**45.4**	**1.795**	**3.8**	**-1.163**	**-0.948**	**39.2**	**1.501**	**BF and EF exceed limits NG**
1155173.5	**15297600.7**	**1014.5**	**198.281**	**171.734**	**40.9**	**262.313**	**11.4**	**20.874**	**1.089**	**1.012**	**42.9**	**1.487**	**4.6**	**-1.051**	**-0.695**	**33.5**	**1.260**	**BF exceeds limit NG**
1155170.7	**15297604.8**	**1014.0**	**196.048**	**167.940**	**40.6**	**258.145**	**11.6**	**20.543**	**0.969**	**0.800**	**39.6**	**1.256**	**4.4**	**-0.984**	**-0.515**	**27.6**	**1.111**	**BF exceeds limit NG**
1155167.8	**15297608.9**	**1013.7**	**195.817**	**167.679**	**40.6**	**257.799**	**12.0**	**20.515**	**0.907**	**0.662**	**36.1**	**1.123**	**2.8**	**-1.046**	**-0.484**	**24.8**	**1.153**	**BF exceeds limit NG**
1155165.0	**15297613.0**	**1013.4**	**197.505**	**170.883**	**40.9**	**261.169**	**12.3**	**20.783**	**0.907**	**0.610**	**33.9**	**1.093**	**1.4**	**-1.208**	**-0.577**	**25.5**	**1.339**	**BF exceeds limit NG**
1155162.1	**15297617.1**	**1013.2**	**200.751**	**177.170**	**41.4**	**267.750**	**12.4**	**21.307**	**0.970**	**0.650**	**33.8**	**1.167**	**3.9**	**-1.441**	**-0.780**	**28.4**	**1.639**	**BF exceeds limit NG**
1155159.3	**15297621.2**	**1013.0**	**205.207**	**185.989**	**42.2**	**276.951**	**12.2**	**22.039**	**1.089**	**0.782**	**35.7**	**1.341**	**5.6**	**-1.733**	**-1.091**	**32.2**	**2.048**	**BF exceeds limit NG**

1155156.4	15297625.3	1012.8	210.401	196.475	43.0	287.873	11.4	22.908	1.258	1.004	38.6	1.610	5.9	-2.077	-1.512	36.1	2.569	BF and EF exceed limits NG
1155153.6	15297629.5	1012.5	214.817	206.462	43.9	297.948	10.1	23.710	1.462	1.304	41.7	1.959	5.1	-2.419	-1.995	39.5	3.136	BF and EF exceed limits NG
1155150.8	15297633.6	1011.6	212.718	208.464	44.4	297.836	8.3	23.701	1.672	1.641	44.5	2.343	3.2	-2.408	-2.174	42.1	3.244	BF and EF exceed limits NG
1155147.9	15297637.7	1011.0	209.596	208.321	44.8	295.514	6.3	23.516	1.863	1.975	46.7	2.715	1.8	-2.478	-2.380	43.9	3.436	BF and EF exceed limits NG
1155145.1	15297641.8	1011.0	205.634	206.364	45.1	291.327	4.2	23.183	2.005	2.249	48.3	3.013	0.9	-2.740	-2.747	45.1	3.880	BF and EF exceed limits NG
1155142.2	15297645.9	1011.0	197.977	199.035	45.2	280.731	2.2	22.340	2.073	2.409	49.3	3.178	0.4	-2.953	-3.017	45.6	4.221	BF and EF exceed limits NG
1155139.4	15297650.0	1010.8	188.045	188.103	45.0	265.977	0.5	21.166	2.076	2.454	49.8	3.214	0.6	-3.057	-3.116	45.5	4.366	BF and EF exceed limits NG
1155136.6	15297654.1	1010.9	180.081	179.068	44.8	253.957	1.0	20.209	2.042	2.430	50.0	3.174	0.9	-3.259	-3.296	45.3	4.635	BF and EF exceed limits NG
1155133.7	15297658.3	1011.0	175.458	173.909	44.7	247.042	2.1	19.659	2.005	2.389	50.0	3.118	1.1	-3.416	-3.405	44.9	4.823	BF and EF exceed limits NG
1155130.9	15297662.4	1010.2	172.576	170.942	44.7	242.906	3.3	19.330	1.977	2.352	49.9	3.073	1.3	-3.121	-2.967	43.6	4.307	BF and EF exceed limits NG
1155128.0	15297666.5	1009.3	170.494	168.970	44.7	240.040	4.8	19.102	1.942	2.294	49.7	3.006	1.6	-2.693	-2.360	41.2	3.581	BF and EF exceed limits NG
1155125.2	15297670.6	1009.1	170.138	168.997	44.8	239.806	6.5	19.083	1.882	2.186	49.3	2.884	2.0	-2.589	-2.117	39.3	3.344	BF and EF exceed limits NG
1155122.4	15297674.7	1008.6	166.425	164.669	44.7	234.122	8.4	18.631	1.774	1.993	48.3	2.668	2.4	-2.321	-1.675	35.8	2.862	BF and EF exceed limits NG
1155119.5	15297678.8	1008.0	158.314	154.720	44.3	221.363	10.4	17.616	1.612	1.719	46.8	2.357	2.6	-1.882	-1.062	29.4	2.161	BF and EF exceed limits NG
1155116.7	15297682.9	1007.4	148.358	142.429	43.8	205.660	12.3	16.366	1.415	1.398	44.7	1.989	2.8	-1.502	-0.558	20.4	1.603	BF and EF exceed limits NG
1155113.8	15297687.1	1007.0	137.938	129.599	43.2	189.269	14.0	15.062	1.200	1.073	41.8	1.610	3.0	-1.236	-0.219	10.1	1.256	EF exceeds limit NG
1155111.0	15297691.2	1006.5	126.167	115.382	42.4	170.971	15.5	13.605	0.986	0.775	38.2	1.254	3.0	-0.932	0.094	-5.7	0.937	
1155108.1	15297695.3	1006.2	115.575	102.808	41.7	154.684	16.7	12.309	0.788	0.525	33.7	0.947	3.4	-0.765	0.248	-17.9	0.804	
1155105.3	15297699.4	1006.1	105.607	91.278	40.8	139.587	17.8	11.108	0.613	0.328	28.2	0.695	4.0	-0.644	0.340	-27.8	0.728	
1155102.5	15297703.5	1005.9	96.075	80.630	40.0	125.426	18.5	9.981	0.463	0.180	21.3	0.497	4.8	-0.530	0.402	-37.2	0.665	
1155099.6	15297707.6	1005.5	86.931	70.844	39.2	112.142	19.0	8.924	0.338	0.075	12.4	0.346	5.8	-0.414	0.439	-46.7	0.604	
1155096.8	15297711.7	1005.1	78.830	62.483	38.4	100.590	19.3	8.005	0.236	0.016	3.8	0.237	6.5	-0.339	0.446	-52.7	0.560	
1155093.9	15297715.9	1005.0	71.774	55.436	37.7	90.690	19.5	7.217	0.155	0.054	19.1	0.164	5.8	-0.295	0.440	-56.2	0.530	
1155091.1	15297720.0	1004.9	65.398	49.302	37.0	81.900	19.6	6.517	0.091	0.085	43.2	0.124	7.1	-0.258	0.429	-59.0	0.501	
1155088.3	15297724.1	1005.0	59.842	44.114	36.4	74.344	19.6	5.916	0.043	0.104	67.8	0.113	14.8	-0.231	0.423	-61.3	0.482	
1155085.4	15297728.2	1004.8	54.608	39.427	35.8	67.354	19.5	5.360	0.018	0.115	81.0	0.116	15.9	-0.203	0.405	-63.4	0.453	
1155082.6	15297732.3	1003.5	49.282	34.915	35.3	60.396	19.1	4.806	0.033	0.120	74.3	0.124	10.8	-0.188	0.342	-61.2	0.390	
1155079.7	15297736.4	1000.5	43.868	30.561	34.9	53.464	18.5	4.255	0.055	0.121	65.5	0.133	6.8	-0.215	0.215	-45.0	0.304	
1155076.9	15297740.5	994.6	38.089	26.139	34.5	46.196	17.6	3.676	0.078	0.122	57.3	0.145	11.2	-0.330	-0.026	4.5	0.331	
1155074.0	15297744.7	989.5	33.612	22.750	34.1	40.587	16.9	3.230	0.096	0.120	51.4	0.153	13.6	-0.475	-0.222	25.1	0.524	
1155071.2	15297748.8	984.4	29.858	19.954	33.8	35.912	16.4	2.858	0.108	0.116	47.1	0.158	14.6	-0.642	-0.399	31.9	0.756	
1155068.4	15297752.9	979.2	26.651	17.602	33.4	31.939	15.8	2.542	0.115	0.111	43.8	0.160	15.0	-0.822	-0.559	34.2	0.994	
1155065.5	15297757.0	970.3	23.146	15.104	33.1	27.638	15.1	2.199	0.124	0.106	40.5	0.163	16.4	-1.131	-0.818	35.9	1.396	
1155062.7	15297761.1	963.2	20.547	13.261	32.8	24.455	14.6	1.946	0.126	0.099	38.2	0.161	16.4	-1.374	-0.981	35.5	1.688	
1155059.8	15297765.2	959.4	18.868	12.067	32.6	22.396	14.4	1.782	0.123	0.092	36.9	0.154	15.3	-1.475	-1.018	34.6	1.793	
1155057.0	15297769.3	958.5	17.773	11.282	32.4	21.051	14.4	1.675	0.118	0.086	36.1	0.146	13.8	-1.466	-0.973	33.6	1.759	
1155054.2	15297773.5	960.7	17.146	10.817	32.2	20.273	14.5	1.613	0.111	0.080	35.7	0.137	11.7	-1.354	-0.859	32.4	1.603	
1155051.3	15297777.6	965.4	16.827	10.556	32.1	19.863	14.8	1.581	0.105	0.075	35.4	0.129	9.1	-1.170	-0.694	30.7	1.360	
1155048.5	15297781.7	965.7	15.983	9.963	31.9	18.834	14.9	1.499	0.101	0.070	34.7	0.123	7.9	-1.125	-0.644	29.8	1.296	

Critical Energy/Electric Infrastructure Information (CEII) Has Been Redacted From This Document

PLS-CADD Version 20.01x64 8:32:09 AM Monday, March 3, 2025
Quanta Services - Dashiell
Project Name: 'C:\projects\L72\5269-T0072-700 REV 0-0G PLS CADD MODEL.don'
Line Title: 'EMF Existing Conditions - L69 Tower Section'

3D EMF Calculation Notes:
1) Calculations based on the EPRI Red Book methods (3rd Edition, 2005 - 7.4 Calculation of Magnetic Fields and Appendices 7.1 Calculation of Field Ellipse Parameters and 7.6 Electric Field Calculations for 3D Geometry).
2) All wire positions are modeled at the specified weather case and wind direction. Height above ground determined by the modeled ground TIN.
3) Only the effects of wires are being analyzed. The effects of structures are not included unless enabled as noted below.
4) Ground return is being ignored for magnetic field calculations.

Meter height above ground:	3.28 (ft)
Maximum wire distance:	500.00 (ft)
Maximum cable segment size:	5.00 (ft)
Cross section offset +/-:	65.00 (ft)
Result interval:	5.00 (ft)
Electric field limit:	1.60 (kV/m)
Magnetic field limit:	200.00 (mG)
Space potential limit:	0.00 (kV)
Contour Map Spacing:	15 (ft)
Analyzing spans between these structures:	69/9 - 69/9-1

One or more sections have wind from both directions which is not supported. A wind direction of left is being used for those sections.

Section Data for 3D EMF Results:

Section Number	Section Note	Voltage Ph-Ph (kV)	Current (Amps)	Cable Filename	Cable Description	Conductors Per Phase	Bundle Diameter (in)	Cable Radius (in)	Weather Case	Condition	Wind Dir.	WC Temperature (deg F)	Effective Radius (in)
22	69	0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
24	69	0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
27	69	0.0	0.0	7no_7_alumoweld - 2500.wir	7#7 Alumoweld 7 Strands Alumoweld - Adapted from 1970's Publicly Available Data	1	0.000	0.216	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.216
28	69	0.0	0.0	7no_7_alumoweld - 2500.wir	7#7 Alumoweld 7 Strands Alumoweld - Adapted from 1970's Publicly Available Data	1	0.000	0.216	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.216
29	69	0.0	0.0	7no_7_alumoweld - 2500.wir	7#7 Alumoweld 7 Strands Alumoweld - Adapted from 1970's Publicly Available Data	1	0.000	0.216	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.216
30	69	0.0	0.0	7no_7_alumoweld - 2500.wir	7#7 Alumoweld 7 Strands Alumoweld - Adapted from 1970's Publicly Available Data	1	0.000	0.216	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.216
60	69	0.0	0.0	7no_7_alumoweld - slack.wir	7#7 Alumoweld 7 Strands Alumoweld - Adapted from 1970's Publicly Available Data	1	0.000	0.216	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.216
61	69	0.0	0.0	7no_7_alumoweld - slack.wir	7#7 Alumoweld 7 Strands Alumoweld - Adapted from 1970's Publicly Available Data	1	0.000	0.216	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.216
124	69	230.0	[redacted]	bunting_acsr - 5000.wir	1192.5 kcmil 45/7 Strands BUNTING ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.651	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.651
125	69	230.0	[redacted]	bunting_acsr - 6000.wir	1192.5 kcmil 45/7 Strands BUNTING ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.651	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.651
139	69	230.0	[redacted]	bunting_acsr.wir	1192.5 kcmil 45/7 Strands BUNTING ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.651	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.651
140	69	230.0	[redacted]	bunting_acsr.wir	1192.5 kcmil 45/7 Strands BUNTING ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.651	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.651
141	69	230.0	[redacted]	bunting_acsr.wir	1192.5 kcmil 45/7 Strands BUNTING ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.651	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.651

Could not find ground from TIN for one or more wires in span #19. Interpolating between structure bases to determine ground. ??
Could not find ground from TIN for one or more wires in span #20. Interpolating between structure bases to determine ground. ??

Centerline results between structures 69/9 and 69/9-1

3D EMF Point Results Centerline from 69/9 to 69/9-1:

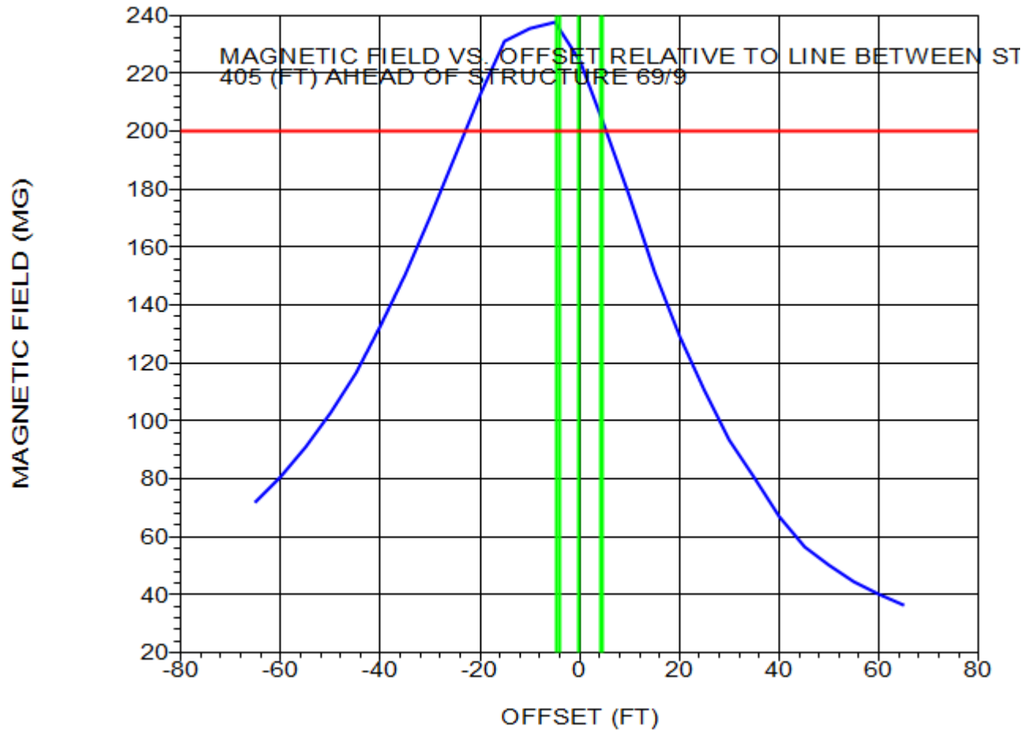
Measurement X (ft)	Measurement Y (ft)	Measurement Z (ft)	B Real (mG)	B Imaginary (mG)	B Angle (deg)	B Magnitude (mG)	B Polarization Axial Ratio %	H Magnitude (A/m)	EF Real (kV/m)	EF Imaginary (kV/m)	EF Angle (deg)	EF Magnitude (kV/m)	EF Polarization Axial Ratio %	Space Potential Real (kV)	Space Potential Imaginary (kV)	Space Potential Angle (deg)	Space Potential Magnitude (kV)
1159597.3	15299128.3	1258.4	7.695	10.078	52.6	12.680	5.4	1.009	0.143	0.076	27.9	0.162	15.8	-1.179	-0.424	19.8	1.253
1159602.1	15299126.7	1258.4	7.760	10.054	52.3	12.700	7.6	1.011	0.150	0.078	27.6	0.169	16.2	-1.330	-0.497	20.5	1.420
1159606.8	15299125.1	1258.4	8.191	10.133	51.0	13.030	12.5	1.037	0.157	0.081	27.2	0.177	16.7	-1.489	-0.574	21.1	1.596
1159611.6	15299123.6	1258.3	8.917	10.296	49.1	13.621	16.9	1.084	0.165	0.084	26.9	0.185	17.3	-1.660	-0.655	21.5	1.785
1159616.3	15299122.0	1258.2	9.868	10.554	46.9	14.449	20.1	1.150	0.173	0.087	26.6	0.193	17.9	-1.839	-0.741	22.0	1.983
1159621.1	15299120.5	1258.1	10.975	10.896	44.8	15.465	22.1	1.231	0.181	0.090	26.4	0.202	18.6	-2.028	-0.831	22.3	2.191
1159625.8	15299118.9	1258.1	12.219	11.345	42.9	16.674	23.2	1.327	0.190	0.093	26.2	0.211	19.3	-2.219	-0.923	22.6	2.403
1159630.6	15299117.3	1258.3	13.571	11.892	41.2	18.044	23.5	1.436	0.199	0.097	26.0	0.221	20.1	-2.414	-1.016	22.8	2.619
1159635.3	15299115.8	1258.9	15.127	12.622	39.8	19.701	23.5	1.568	0.206	0.101	26.0	0.229	20.9	-2.597	-1.103	23.0	2.822
1159640.1	15299114.2	1259.7	16.858	13.505	38.7	21.600	23.2	1.719	0.213	0.104	26.1	0.237	21.9	-2.773	-1.187	23.2	3.017

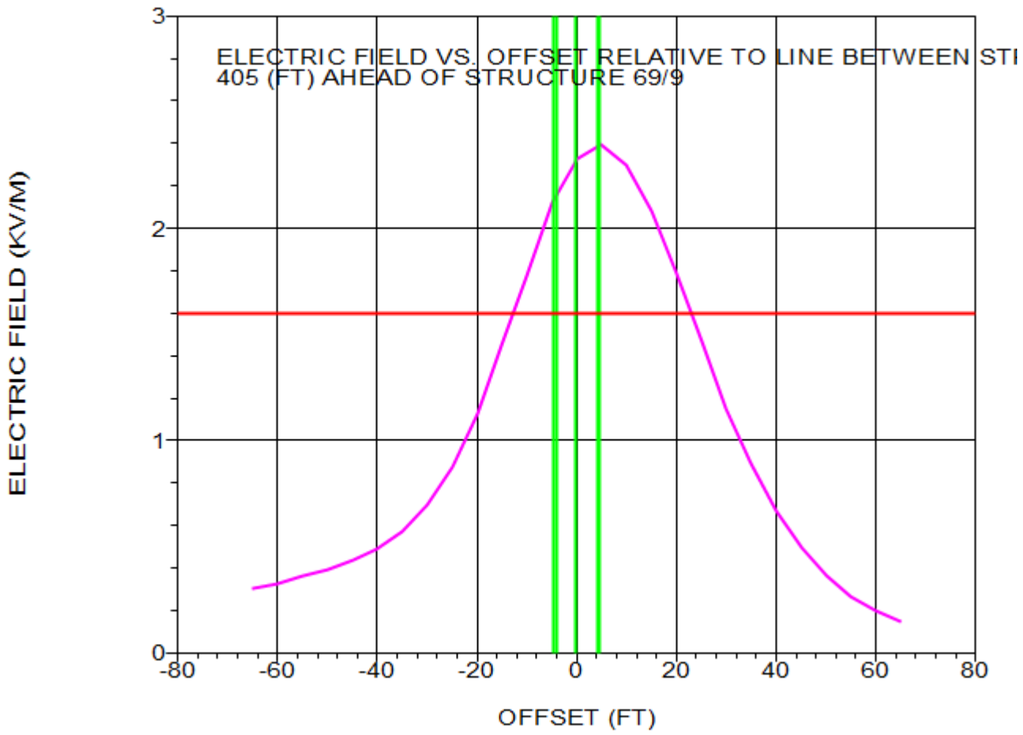
1159644.8	15299112.7	1261.3	19.024	14.733	37.8	24.062	23.0	1.915	0.215	0.108	26.6	0.241	23.0	-2.917	-1.255	23.3	3.176	
1159649.6	15299111.1	1263.3	21.523	16.215	37.0	26.948	22.7	2.144	0.215	0.112	27.4	0.243	24.3	-3.045	-1.316	23.4	3.318	
1159654.3	15299109.5	1264.7	23.924	17.629	36.4	29.718	22.4	2.365	0.216	0.116	28.2	0.245	25.8	-3.198	-1.391	23.5	3.487	
1159659.1	15299108.0	1265.4	25.969	18.802	35.9	32.061	21.9	2.551	0.219	0.120	28.7	0.250	27.3	-3.386	-1.487	23.7	3.698	
1159663.8	15299106.4	1266.5	28.345	20.238	35.5	34.829	21.5	2.772	0.219	0.124	29.5	0.252	29.0	-3.554	-1.574	23.9	3.887	
1159668.6	15299104.8	1267.5	30.763	21.726	35.2	37.662	21.2	2.997	0.219	0.128	30.4	0.253	30.8	-3.723	-1.664	24.1	4.078	
1159673.3	15299103.3	1267.9	32.653	22.866	35.0	39.863	20.7	3.172	0.221	0.132	30.9	0.257	32.8	-3.928	-1.776	24.3	4.310	
1159678.0	15299101.7	1269.1	35.384	24.628	34.8	43.111	20.5	3.431	0.217	0.137	32.3	0.256	34.9	-4.080	-1.861	24.5	4.485	
1159682.8	15299100.2	1269.7	37.534	26.008	34.7	45.664	20.2	3.634	0.216	0.141	33.2	0.258	37.1	-4.267	-1.969	24.8	4.699	
1159687.5	15299098.6	1270.1	39.556	27.324	34.6	48.076	19.9	3.826	0.215	0.145	34.0	0.259	39.5	-4.458	-2.081	25.0	4.920	
1159692.3	15299097.0	1270.5	41.605	28.688	34.6	50.537	19.6	4.022	0.214	0.149	34.8	0.260	42.0	-4.643	-2.193	25.3	5.135	
1159697.0	15299095.5	1271.2	43.936	30.281	34.6	53.360	19.4	4.246	0.210	0.153	36.1	0.260	44.7	-4.811	-2.298	25.5	5.332	
1159701.8	15299093.9	1271.9	46.492	32.063	34.6	56.476	19.3	4.494	0.204	0.158	37.7	0.258	47.4	-4.967	-2.398	25.8	5.516	
1159706.5	15299092.3	1272.3	48.500	33.484	34.6	58.936	19.0	4.690	0.201	0.161	38.7	0.258	50.4	-5.143	-2.513	26.0	5.724	
1159711.3	15299090.8	1273.0	51.083	35.349	34.7	62.121	18.9	4.943	0.194	0.166	40.6	0.255	53.2	-5.292	-2.614	26.3	5.903	
1159716.0	15299089.2	1273.9	53.913	37.427	34.8	65.631	18.9	5.223	0.185	0.172	42.8	0.253	55.4	-5.432	-2.710	26.5	6.070	
1159720.8	15299087.7	1274.7	56.886	39.647	34.9	69.339	18.9	5.518	0.176	0.178	45.4	0.250	56.5	-5.566	-2.804	26.7	6.233	
1159725.5	15299086.1	1275.1	59.127	41.365	35.0	72.160	18.7	5.742	0.170	0.182	47.0	0.249	58.9	-5.722	-2.913	27.0	6.421	
1159730.3	15299084.5	1275.3	61.168	42.967	35.1	74.751	18.6	5.948	0.164	0.185	48.4	0.248	61.7	-5.880	-3.025	27.2	6.613	
1159735.0	15299083.0	1275.6	63.231	44.614	35.2	77.386	18.5	6.158	0.159	0.189	49.9	0.246	64.2	-6.034	-3.136	27.5	6.800	
1159739.8	15299081.4	1275.9	65.431	46.397	35.3	80.212	18.4	6.383	0.152	0.192	51.7	0.245	65.5	-6.179	-3.242	27.7	6.978	
1159744.5	15299079.9	1276.3	67.868	48.394	35.5	83.355	18.3	6.633	0.142	0.197	54.1	0.243	64.3	-6.315	-3.343	27.9	7.146	
1159749.3	15299078.3	1276.8	70.791	50.805	35.7	87.135	18.3	6.934	0.129	0.203	57.5	0.241	58.8	-6.439	-3.436	28.1	7.298	
1159754.0	15299076.7	1277.3	73.651	53.211	35.8	90.862	18.3	7.231	0.116	0.210	61.0	0.240	52.5	-6.561	-3.529	28.3	7.450	
1159758.8	15299075.2	1277.4	75.486	54.853	36.0	93.311	18.2	7.425	0.108	0.211	62.9	0.237	50.4	-6.696	-3.634	28.5	7.618	
1159763.5	15299073.6	1277.7	78.188	57.216	36.2	96.887	18.1	7.710	0.094	0.217	66.7	0.237	42.9	-6.812	-3.726	28.7	7.764	
1159768.3	15299072.0	1278.3	81.340	59.987	36.4	101.068	18.2	8.043	0.075	0.226	71.6	0.238	33.2	-6.919	-3.812	28.9	7.900	
1159773.0	15299070.5	1278.4	83.620	62.099	36.6	104.156	18.1	8.288	0.062	0.230	75.0	0.238	26.8	-7.032	-3.906	29.0	8.043	
1159777.8	15299068.9	1278.6	86.205	64.500	36.8	107.664	18.0	8.568	0.046	0.236	79.1	0.241	18.9	-7.135	-3.994	29.2	8.177	
1159782.5	15299067.4	1279.2	89.722	67.725	37.0	112.413	18.0	8.946	0.022	0.249	84.9	0.250	8.8	-7.229	-4.076	29.4	8.299	
1159787.3	15299065.8	1279.2	92.025	69.986	37.3	115.614	17.9	9.200	0.014	0.254	86.9	0.255	4.3	-7.325	-4.162	29.6	8.425	
1159792.0	15299064.2	1279.6	95.241	73.068	37.5	120.041	17.9	9.553	0.025	0.266	84.7	0.267	9.3	-7.413	-4.243	29.8	8.541	
1159796.8	15299062.7	1279.5	97.126	75.053	37.7	122.746	17.8	9.768	0.045	0.270	80.6	0.274	16.4	-7.497	-4.324	30.0	8.655	
1159801.5	15299061.1	1280.2	102.075	79.760	38.0	129.541	17.9	10.309	0.076	0.296	75.6	0.306	24.2	-7.580	-4.402	30.1	8.765	
1159806.3	15299059.6	1280.6	105.875	83.544	38.3	134.867	17.9	10.732	0.107	0.316	71.4	0.334	29.9	-7.661	-4.482	30.3	8.876	
1159811.0	15299058.0	1280.1	106.533	84.564	38.4	136.016	17.6	10.824	0.123	0.314	68.6	0.337	36.9	-7.720	-4.551	30.5	8.962	
1159815.8	15299056.4	1280.4	110.249	88.378	38.7	141.300	17.5	11.244	0.155	0.336	65.3	0.370	40.6	-7.790	-4.627	30.7	9.061	
1159820.5	15299054.9	1280.5	113.085	91.448	39.0	145.434	17.4	11.573	0.184	0.352	62.4	0.398	43.9	-7.849	-4.698	30.9	9.148	
1159825.3	15299053.3	1280.8	116.977	95.556	39.2	151.045	17.4	12.020	0.220	0.379	59.9	0.438	44.4	-7.913	-4.775	31.1	9.242	
1159830.0	15299051.7	1280.7	119.575	98.509	39.5	154.926	17.2	12.329	0.251	0.397	57.7	0.470	45.7	-7.956	-4.842	31.3	9.314	
1159834.8	15299050.2	1280.9	123.245	102.533	39.8	160.320	17.1	12.758	0.290	0.426	55.8	0.515	44.7	-8.004	-4.919	31.6	9.395	
1159839.5	15299048.6	1281.5	129.447	109.096	40.1	169.288	17.1	13.472	0.342	0.475	54.3	0.586	40.7	-8.084	-5.029	31.9	9.520	
1159844.3	15299047.1	1281.3	131.654	111.833	40.3	172.741	16.9	13.746	0.378	0.496	52.7	0.624	40.7	-8.093	-5.095	32.2	9.564	
1159849.0	15299045.5	1281.4	135.695	116.434	40.6	178.802	16.8	14.229	0.426	0.532	51.3	0.682	39.0	-8.122	-5.187	32.6	9.637	
1159853.8	15299043.9	1281.6	140.190	121.568	40.9	185.559	16.6	14.766	0.479	0.574	50.2	0.747	37.0	-8.148	-5.291	33.0	9.715	
1159858.5	15299042.4	1281.6	144.164	126.242	41.2	191.626	16.5	15.249	0.532	0.612	49.0	0.811	35.4	-8.152	-5.391	33.5	9.773	
1159863.3	**15299040.8**	**1281.9**	**149.893**	**132.816**	**41.5**	**200.269**	**16.4**	**15.937**	**0.597**	**0.666**	**48.1**	**0.895**	**33.1**	**-8.182**	**-5.527**	**34.0**	**9.874**	**BF exceeds limit NG**
1159868.0	**15299039.3**	**1282.0**	**154.485**	**138.290**	**41.8**	**207.339**	**16.2**	**16.500**	**0.660**	**0.714**	**47.3**	**0.972**	**31.5**	**-8.177**	**-5.645**	**34.6**	**9.936**	**BF exceeds limit NG**
1159872.8	**15299037.7**	**1282.1**	**159.597**	**144.396**	**42.1**	**215.224**	**16.0**	**17.127**	**0.728**	**0.768**	**46.5**	**1.058**	**29.8**	**-8.172**	**-5.775**	**35.2**	**10.007**	**BF exceeds limit NG**
1159877.5	**15299036.1**	**1282.7**	**168.642**	**154.895**	**42.6**	**228.981**	**16.0**	**18.222**	**0.817**	**0.856**	**46.3**	**1.183**	**27.5**	**-8.262**	**-5.987**	**35.9**	**10.204**	**BF exceeds limit NG**
1159882.3	**15299034.6**	**1283.0**	**176.164**	**163.908**	**42.9**	**240.623**	**15.9**	**19.148**	**0.901**	**0.936**	**46.1**	**1.299**	**25.7**	**-8.310**	**-6.171**	**36.6**	**10.351**	**BF exceeds limit NG**
1159887.0	**15299033.0**	**1283.2**	**183.036**	**172.531**	**43.3**	**251.534**	**15.7**	**20.016**	**0.986**	**1.018**	**45.9**	**1.417**	**24.2**	**-8.349**	**-6.348**	**37.2**	**10.488**	**BF exceeds limit NG**
1159891.8	**15299031.4**	**1283.3**	**189.286**	**180.355**	**43.6**	**261.452**	**15.5**	**20.806**	**1.068**	**1.097**	**45.8**	**1.530**	**22.7**	**-8.357**	**-6.502**	**37.9**	**10.588**	**BF exceeds limit NG**
1159896.5	**15299029.9**	**1283.3**	**194.671**	**187.256**	**43.9**	**270.114**	**15.2**	**21.495**	**1.146**	**1.173**	**45.7**	**1.640**	**21.3**	**-8.338**	**-6.632**	**38.5**	**10.654**	**BF and EF exceed limits NG**
1159901.3	**15299028.3**	**1283.4**	**202.687**	**197.325**	**44.2**	**282.877**	**14.9**	**22.511**	**1.237**	**1.275**	**45.9**	**1.777**	**20.0**	**-8.400**	**-6.827**	**39.1**	**10.824**	**BF and EF exceed limits NG**
1159906.0	**15299026.8**	**1283.0**	**204.352**	**199.911**	**44.4**	**285.874**	**14.5**	**22.749**	**1.297**	**1.331**	**45.7**	**1.859**	**18.7**	**-8.272**	**-6.855**	**39.6**	**10.743**	**BF and EF exceed limits NG**
1159910.8	**15299025.2**	**1282.3**	**202.709**	**198.518**	**44.4**	**283.726**	**13.9**	**22.578**	**1.342**	**1.366**	**45.5**	**1.915**	**17.3**	**-8.035**	**-6.779**	**40.2**	**10.513**	**BF and EF exceed limits NG**
1159915.5	**15299023.6**	**1281.9**	**204.356**	**201.006**	**44.5**	**286.644**	**13.4**	**22.810**	**1.400**	**1.428**	**45.6**	**2.000**	**16.0**	**-7.907**	**-6.788**	**40.6**	**10.422**	**BF and EF exceed limits NG**
1159920.3	**15299022.1**	**1281.3**	**203.899**	**200.938**	**44.6**	**286.271**	**12.9**	**22.781**	**1.447**	**1.476**	**45.6**	**2.067**	**14.7**	**-7.714**	**-6.728**	**41.1**	**10.235**	**BF and EF exceed limits NG**
1159925.0	**15299020.5**	**1280.7**	**203.728**	**201.173**	**44.6**	**286.314**	**12.4**	**22.784**	**1.492**	**1.527**	**45.7**	**2.135**	**13.5**	**-7.538**	**-6.673**	**41.5**	**10.067**	**BF and EF exceed limits NG**
1159929.8	**15299018.9**	**1279.8**	**200.009**	**197.114**	**44.6**	**280.816**	**11.8**	**22.347**	**1.518**	**1.552**	**45.6**	**2.171**	**12.2**	**-7.236**	**-6.488**	**41.9**	**9.719**	**BF and EF exceed limits NG**
1159934.5	**15299017.4**	**1279.0**	**196.986**	**193.862**	**44.5**	**276.380**	**11.2**	**21.994**	**1.543**	**1.581**	**45.7**	**2.209**	**11.1**	**-6.966**	**-6.321**	**42.2**	**9.407**	**BF and EF exceed limits NG**
1159939.3	**15299015.8**	**1278.1**	**191.995**	**188.252**	**44.4**	**268.889**	**10.6**	**21.397**	**1.556**	**1.594**	**45.7**	**2.228**	**9.9**	**-6.620**	**-6.069**	**42.5**	**8.981**	**BF and EF exceed limits NG**
1159944.0	**15299014.3**	**1277.3**	**189.558**	**185.663**	**44.4**	**265.336**	**10.0**	**21.115**	**1.574**	**1.621**	**45.8**	**2.260**	**9.0**	**-6.392**	**-5.919**	**42.8**	**8.712**	**BF and EF exceed limits NG**
1159948.8	**15299012.7**	**1276.2**	**183.385**	**178.676**	**44.3**	**256.037**	**9.3**	**20.375**	**1.575**	**1.622**	**45.8**	**2.260**	**7.9**	**-6.000**	**-5.598**	**43.0**	**8.206**	**BF and EF exceed limits NG**
1159953.5	**15299011.1**	**1275.1**	**177.418**	**171.976**	**44.1**	**247.089**	**8.7**	**19.663**	**1.573**	**1.621**	**45.9**	**2.259**	**7.0**	**-5.615**	**-5.269**	**43.2**	**7.700**	**BF and EF exceed limits NG**
1159958.3	**15299009.6**	**1274.2**	**173.194**	**167.348**	**44.0**	**240.835**	**8.1**	**19.165**	**1.575**	**1.630**	**46.0**	**2.267**	**6.2**	**-5.313**	**-5.015**	**43.3**	**7.306**	**BF and EF exceed limits NG**
1159963.0	**15299008.0**	**1273.5**	**171.708**	**165.915**	**44.0**	**238.770**	**7.6**	**19.001**	**1.585**	**1.654**	**46.2**	**2.291**	**5.6**	**-5.157**	**-4.899**	**43.5**	**7.113**	**BF and EF exceed limits NG**
1159967.8	**15299006.5**	**1272.8**	**168.846**	**162.940**	**44.0**	**234.646**	**7.0**	**18.673**	**1.589**	**1.668**	**46.4**	**2.304**	**5.0**	**-4.934**	**-4.708**	**43.7**	**6.820**	**BF and EF exceed limits NG**
1159972.5	**15299004.9**	**1272.0**	**165.875**	**159.908**	**44.0**	**230.402**	**6.4**	**18.335**	**1.590**	**1.680**	**46.6**	**2.313**	**4.5**	**-4.709**	**-4.507**	**43.7**	**6.518**	**BF and EF exceed limits NG**
1159977.3	**15299003.3**	**1271.3**	**163.498**	**157.645**	**44.0**	**227.120**	**5.8**	**18.074**	**1.592**	**1.692**	**46.7**	**2.323**	**4.0**	**-4.523**	**-4.343**	**43.8**	**6.270**	**BF and EF exceed limits NG**
1159982.0	**15299001.8**	**1270.7**	**161.021**	**155.384**	**44.0**	**223.768**	**5.3**	**17.807**	**1.591**	**1.700**	**46.9**	**2.328**	**3.6**	**-4.342**	**-4.180**	**43.9**	**6.027**	**BF and EF exceed limits NG**
1159986.8	**15299000.2**	**1270.0**	**158.241**	**152.920**	**44.0**	**220.056**	**4.7**	**17.512**	**1.586**	**1.703**	**47.0**	**2.327**	**3.2**	**-4.157**	**-4.010**	**44.0**	**5.776**	**BF and EF exceed limits NG**
1159991.5	**15298998.6**	**1269.4**	**155.057**	**150.163**	**44.1**	**215.851**	**4.1**	**17.177**	**1.576**	**1.700**	**47.2**	**2.319**	**2.9**	**-3.968**	**-3.834**	**44.0**	**5.518**	**BF and EF exceed limits NG**

1159996.3	15298997.1	1268.6	150.325	145.827	44.1	209.435	3.5	16.666	1.558	1.686	47.2	2.296	2.5	-3.712	-3.582	44.0	5.159	BF and EF exceed limits NG
1160001.0	15298995.5	1267.7	144.589	140.511	44.2	201.617	2.9	16.044	1.533	1.662	47.3	2.261	2.2	-3.429	-3.297	43.9	4.757	BF and EF exceed limits NG
1160005.8	15298994.0	1267.4	141.665	138.512	44.4	198.127	2.3	15.766	1.512	1.645	47.4	2.235	2.1	-3.369	-3.249	44.0	4.681	EF exceeds limit NG
1160010.5	15298992.4	1266.7	134.619	131.804	44.4	188.400	1.8	14.992	1.473	1.601	47.4	2.176	2.0	-3.116	-2.987	43.8	4.316	EF exceeds limit NG
1160015.3	15298990.8	1265.9	126.296	123.324	44.3	176.520	1.5	14.047	1.419	1.539	47.3	2.094	1.9	-2.870	-2.708	43.3	3.946	EF exceeds limit NG
1160020.0	15298989.3	1265.2	116.331	112.670	44.1	161.949	1.5	12.887	1.357	1.458	47.1	1.992	1.8	-2.595	-2.404	42.8	3.538	EF exceeds limit NG
1160024.8	15298987.7	1264.4	105.140	100.031	43.6	145.123	1.8	11.549	1.282	1.358	46.6	1.868	1.8	-2.320	-2.094	42.1	3.126	EF exceeds limit NG
1160029.5	15298986.2	1263.7	93.434	86.211	42.7	127.130	2.3	10.117	1.201	1.242	46.0	1.728	1.8	-2.059	-1.798	41.1	2.733	EF exceeds limit NG
1160034.3	15298984.6	1263.0	82.286	72.639	41.4	109.761	2.8	8.734	1.119	1.124	45.1	1.586	1.5	-1.818	-1.529	40.1	2.376	
1160039.0	15298983.0	1262.0	72.512	60.686	39.9	94.556	2.8	7.524	1.046	1.018	44.2	1.460	1.0	-1.538	-1.238	38.8	1.974	

Max EF along centerline is 2.328 (kV/m) at 405.000 (ft) from structure 69/9

Cross section results at max EF along centerline between structures 69/9 and 69/9-1





3D EMF Point Results Span from 69/9 to 69/9-1:

Measurement			B					H	EF					Space Potential				
X (ft)	Y (ft)	Z (ft)	Real (mG)	Imaginary (mG)	Angle (deg)	Magnitude (mG)	Polarization Axial Ratio %	Magnitude (A/m)	Real (kV/m)	Imaginary (kV/m)	Angle (deg)	Magnitude (kV/m)	Polarization Axial Ratio %	Real (kV)	Imaginary (kV)	Angle (deg)	Magnitude (kV)	
1160002.3	15299063.5	1294.7	60.807	38.593	32.4	72.020	15.7	5.731	0.261	0.152	30.3	0.302	13.8	0.303	0.536	60.5	0.616	
1160000.8	15299058.8	1293.2	67.761	43.685	32.8	80.622	16.7	6.416	0.281	0.171	31.3	0.329	15.3	0.069	0.474	81.7	0.479	
1159999.2	15299054.0	1291.7	75.907	49.931	33.3	90.856	17.7	7.230	0.304	0.193	32.4	0.360	17.2	-0.231	0.378	-58.6	0.443	
1159997.7	15299049.3	1290.0	85.141	57.502	34.0	102.740	18.6	8.176	0.329	0.220	33.8	0.395	19.2	-0.629	0.220	-19.2	0.666	
1159996.1	15299044.5	1288.1	95.428	66.641	34.9	116.394	19.3	9.262	0.357	0.252	35.1	0.437	21.4	-1.134	-0.025	1.2	1.134	
1159994.5	15299039.8	1286.1	106.922	77.729	36.0	132.189	19.8	10.519	0.396	0.293	36.5	0.493	23.3	-1.732	-0.369	12.0	1.771	
1159993.0	15299035.0	1284.3	119.506	91.005	37.3	150.212	19.9	11.953	0.455	0.350	37.6	0.574	24.3	-2.416	-0.840	19.2	2.557	
1159991.4	15299030.3	1282.4	132.912	106.508	38.7	170.322	19.4	13.554	0.544	0.435	38.7	0.696	24.0	-3.161	-1.460	24.8	3.482	
1159989.8	15299025.5	1280.5	146.378	123.718	40.2	191.657	18.3	15.252	0.674	0.563	39.9	0.879	22.0	-3.909	-2.227	29.7	4.499	
1159988.3	**15299020.8**	**1278.6**	**159.132**	**141.325**	**41.6**	**212.828**	**16.4**	**16.936**	**0.848**	**0.749**	**41.5**	**1.132**	**18.6**	**-4.604**	**-3.107**	**34.0**	**5.554**	**BF exceeds limit NG**
1159986.7	**15299016.0**	**1276.8**	**169.468**	**156.885**	**42.8**	**230.938**	**14.0**	**18.377**	**1.059**	**0.995**	**43.2**	**1.453**	**14.6**	**-5.126**	**-3.971**	**37.8**	**6.484**	**BF exceeds limit NG**
1159985.2	**15299011.3**	**1274.4**	**170.757**	**162.052**	**43.5**	**235.412**	**10.9**	**18.733**	**1.266**	**1.252**	**44.7**	**1.781**	**10.1**	**-5.158**	**-4.443**	**40.7**	**6.808**	**BF and EF exceed limits NG**
1159983.6	**15299006.5**	**1272.7**	**170.943**	**164.930**	**44.0**	**237.536**	**8.1**	**18.903**	**1.468**	**1.524**	**46.1**	**2.116**	**6.6**	**-5.026**	**-4.659**	**42.8**	**6.853**	**BF and EF exceed limits NG**
1159982.0	**15299001.8**	**1270.7**	**161.021**	**155.384**	**44.0**	**223.768**	**5.3**	**17.807**	**1.591**	**1.700**	**46.9**	**2.328**	**3.6**	**-4.342**	**-4.180**	**43.9**	**6.027**	**BF and EF exceed limits NG**
1159980.5	**15298997.0**	**1268.7**	**146.279**	**139.765**	**43.7**	**202.316**	**2.8**	**16.100**	**1.622**	**1.758**	**47.3**	**2.392**	**1.6**	**-3.377**	**-3.256**	**44.0**	**4.691**	**BF and EF exceed limits NG**
1159978.9	**15298992.3**	**1266.8**	**129.360**	**121.509**	**43.2**	**177.478**	**0.9**	**14.123**	**1.559**	**1.690**	**47.3**	**2.300**	**0.6**	**-2.306**	**-2.129**	**42.7**	**3.139**	**EF exceeds limit NG**
1159977.4	**15298987.5**	**1264.6**	**111.554**	**102.424**	**42.6**	**151.442**	**1.0**	**12.051**	**1.422**	**1.519**	**46.9**	**2.081**	**0.2**	**-1.218**	**-0.958**	**38.2**	**1.549**	**EF exceeds limit NG**
1159975.8	**15298982.8**	**1262.6**	**96.033**	**86.094**	**41.9**	**128.975**	**2.1**	**10.263**	**1.238**	**1.288**	**46.1**	**1.786**	**0.6**	**-0.393**	**-0.098**	**14.0**	**0.405**	**EF exceeds limit NG**
1159974.2	15298978.0	1260.6	82.893	72.568	41.2	110.170	3.0	8.767	1.033	1.035	45.1	1.463	1.5	0.134	0.407	71.8	0.428	
1159972.7	15298973.3	1258.3	71.056	60.708	40.5	93.458	3.5	7.437	0.835	0.799	43.7	1.156	2.6	0.498	0.707	54.8	0.865	
1159971.1	15298968.5	1256.4	61.868	51.714	39.9	80.635	4.0	6.417	0.657	0.598	42.3	0.888	3.6	0.580	0.716	51.0	0.921	
1159969.5	15298963.8	1252.7	51.872	42.308	39.2	66.938	4.1	5.327	0.508	0.436	40.6	0.669	5.2	0.778	0.806	46.0	1.121	

1159968.0	15298959.0	1249.0	44.023	35.128	38.6	56.321	4.0	4.482	0.385	0.311	38.9	0.495	6.7	0.780	0.726	43.0	1.066
1159966.4	15298954.3	1247.2	39.338	30.884	38.1	50.013	4.2	3.980	0.290	0.222	37.4	0.365	6.8	0.554	0.499	42.0	0.746
1159964.9	15298949.5	1245.3	35.190	27.205	37.7	44.480	4.2	3.540	0.218	0.158	35.9	0.269	6.9	0.364	0.323	41.6	0.486
1159963.3	15298944.8	1243.5	31.742	24.198	37.3	39.914	4.3	3.176	0.163	0.113	34.6	0.198	6.8	0.194	0.181	43.1	0.266
1159961.7	15298940.0	1241.8	28.807	21.680	37.0	36.054	4.2	2.869	0.122	0.081	33.5	0.146	6.5	0.053	0.074	54.2	0.091

Critical Energy/Electric Infrastructure Information (CEII) Has Been Redacted From This Document

PLS-CADD Version 20.01x64 8:34:09 AM Monday, March 3, 2025
Quanta Services - Dashiell
Project Name: 'C:\projects\L72\5269-T0072-700 REV 0-0G PLS CADD MODEL.don'
Line Title: 'EMF Existing Conditions - L69 Tower Section'

3D EMF Calculation Notes:
1) Calculations based on the EPRI Red Book methods (3rd Edition, 2005 - 7.4 Calculation of Magnetic Fields and Appendices 7.1 Calculation of Field Ellipse Parameters and 7.6 Electric Field Calculations for 3D Geometry).
2) All wire positions are modeled at the specified weather case and wind direction. Height above ground determined by the modeled ground TIN.
3) Only the effects of wires are being analyzed. The effects of structures are not included unless enabled as noted below.
4) Ground return is being ignored for magnetic field calculations.

Meter height above ground:	3.28 (ft)
Maximum wire distance:	500.00 (ft)
Maximum cable segment size:	5.00 (ft)
Cross section offset +/-:	65.00 (ft)
Result interval:	5.00 (ft)
Electric field limit:	1.60 (kV/m)
Magnetic field limit:	200.00 (mG)
Space potential limit:	0.00 (kV)
Contour Map Spacing:	15 (ft)
Analyzing spans between these structures:	69/9 - 69/9-1

One or more sections have wind from both directions which is not supported. A wind direction of left is being used for those sections.

Section Data for 3D EMF Results:

Section Number	Section Note	Voltage Ph-Ph (kV)	Current (Amps)	Cable Filename	Cable Description	Conductors Per Phase	Bundle Diameter (in)	Cable Radius (in)	Weather Case	Condition	Wind Dir.	WC Temperature (deg F)	Effective Radius (in)
22	69	0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
24	69	0.0	0.0	7_16-7_strand_ehs_steel.wir	7/16 inch EHS 7 Strands Steel - Adapted from 1970's Publicly Available Data	1	0.000	0.217	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.217
27	69	0.0	0.0	7no_7_alumoweld - 2500.wir	7#7 Alumoweld 7 Strands Alumoweld - Adapted from 1970's Publicly Available Data	1	0.000	0.216	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.216
28	69	0.0	0.0	7no_7_alumoweld - 2500.wir	7#7 Alumoweld 7 Strands Alumoweld - Adapted from 1970's Publicly Available Data	1	0.000	0.216	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.216
29	69	0.0	0.0	7no_7_alumoweld - 2500.wir	7#7 Alumoweld 7 Strands Alumoweld - Adapted from 1970's Publicly Available Data	1	0.000	0.216	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.216
30	69	0.0	0.0	7no_7_alumoweld - 2500.wir	7#7 Alumoweld 7 Strands Alumoweld - Adapted from 1970's Publicly Available Data	1	0.000	0.216	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.216
60	69	0.0	0.0	7no_7_alumoweld - slack.wir	7#7 Alumoweld 7 Strands Alumoweld - Adapted from 1970's Publicly Available Data	1	0.000	0.216	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.216
61	69	0.0	0.0	7no_7_alumoweld - slack.wir	7#7 Alumoweld 7 Strands Alumoweld - Adapted from 1970's Publicly Available Data	1	0.000	0.216	SW/OPGW 41F EMF	Creep FE	Left	41.000	0.216
124	69	230.0	[redacted]	bunting_acsr - 5000.wir	1192.5 kcmil 45/7 Strands BUNTING ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.651	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.651
125	69	230.0	[redacted]	bunting_acsr - 6000.wir	1192.5 kcmil 45/7 Strands BUNTING ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.651	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.651
139	69	230.0	[redacted]	bunting_acsr.wir	1192.5 kcmil 45/7 Strands BUNTING ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.651	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.651
140	69	230.0	[redacted]	bunting_acsr.wir	1192.5 kcmil 45/7 Strands BUNTING ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.651	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.651
141	69	230.0	[redacted]	bunting_acsr.wir	1192.5 kcmil 45/7 Strands BUNTING ACSR - Adapted from 1970's Publicly Available Data	1	0.000	0.651	WINTER NORMAL 203F EMF	Creep FE	Left	203.000	0.651

Could not find ground from TIN for one or more wires in span #19. Interpolating between structure bases to determine ground. ??
Could not find ground from TIN for one or more wires in span #20. Interpolating between structure bases to determine ground. ??

Centerline results between structures 69/9 and 69/9-1

3D EMF Point Results Centerline from 69/9 to 69/9-1:

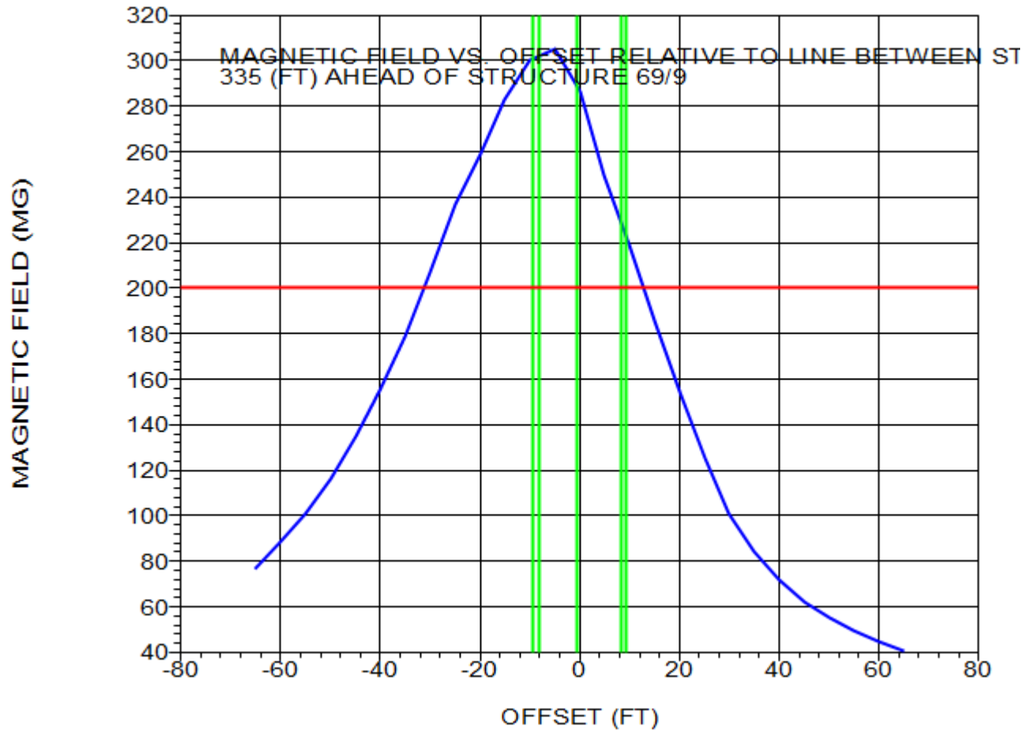
Measurement X (ft)	Measurement Y (ft)	Measurement Z (ft)	B Real (mG)	B Imaginary (mG)	B Angle (deg)	B Magnitude (mG)	B Polarization Axial Ratio %	H Magnitude (A/m)	EF Real (kV/m)	EF Imaginary (kV/m)	EF Angle (deg)	EF Magnitude (kV/m)	EF Polarization Axial Ratio %	Space Potential Real (kV)	Space Potential Imaginary (kV)	Space Potential Angle (deg)	Space Potential Magnitude (kV)
1159597.3	15299128.3	1258.4	7.695	10.078	52.6	12.680	5.4	1.009	0.143	0.076	27.9	0.162	15.8	-1.179	-0.424	19.8	1.253
1159602.1	15299126.7	1258.4	7.760	10.054	52.3	12.700	7.6	1.011	0.150	0.078	27.6	0.169	16.2	-1.330	-0.497	20.5	1.420
1159606.8	15299125.1	1258.4	8.191	10.133	51.0	13.030	12.5	1.037	0.157	0.081	27.2	0.177	16.7	-1.489	-0.574	21.1	1.596
1159611.6	15299123.6	1258.3	8.917	10.296	49.1	13.621	16.9	1.084	0.165	0.084	26.9	0.185	17.3	-1.660	-0.655	21.5	1.785
1159616.3	15299122.0	1258.2	9.868	10.554	46.9	14.449	20.1	1.150	0.173	0.087	26.6	0.193	17.9	-1.839	-0.741	22.0	1.983
1159621.1	15299120.5	1258.1	10.975	10.896	44.8	15.465	22.1	1.231	0.181	0.090	26.4	0.202	18.6	-2.028	-0.831	22.3	2.191
1159625.8	15299118.9	1258.1	12.219	11.345	42.9	16.674	23.2	1.327	0.190	0.093	26.2	0.211	19.3	-2.219	-0.923	22.6	2.403
1159630.6	15299117.3	1258.3	13.571	11.892	41.2	18.044	23.5	1.436	0.199	0.097	26.0	0.221	20.1	-2.414	-1.016	22.8	2.619
1159635.3	15299115.8	1258.9	15.127	12.622	39.8	19.701	23.5	1.568	0.206	0.101	26.0	0.229	20.9	-2.597	-1.103	23.0	2.822
1159640.1	15299114.2	1259.7	16.858	13.505	38.7	21.600	23.2	1.719	0.213	0.104	26.1	0.237	21.9	-2.773	-1.187	23.2	3.017

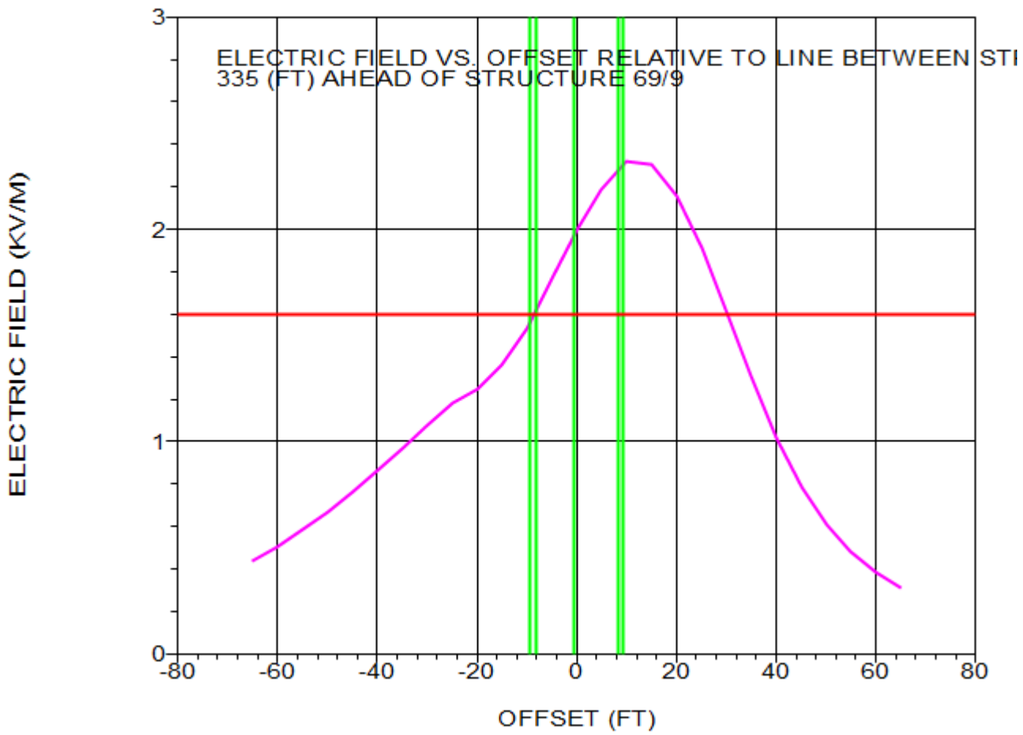
1159644.8	15299112.7	1261.3	19.024	14.733	37.8	24.062	23.0	1.915	0.215	0.108	26.6	0.241	23.0	-2.917	-1.255	23.3	3.176	
1159649.6	15299111.1	1263.3	21.523	16.215	37.0	26.948	22.7	2.144	0.215	0.112	27.4	0.243	24.3	-3.045	-1.316	23.4	3.318	
1159654.3	15299109.5	1264.7	23.924	17.629	36.4	29.718	22.4	2.365	0.216	0.116	28.2	0.245	25.8	-3.198	-1.391	23.5	3.487	
1159659.1	15299108.0	1265.4	25.969	18.802	35.9	32.061	21.9	2.551	0.219	0.120	28.7	0.250	27.3	-3.386	-1.487	23.7	3.698	
1159663.8	15299106.4	1266.5	28.345	20.238	35.5	34.829	21.5	2.772	0.219	0.124	29.5	0.252	29.0	-3.554	-1.574	23.9	3.887	
1159668.6	15299104.8	1267.5	30.763	21.726	35.2	37.662	21.2	2.997	0.219	0.128	30.4	0.253	30.8	-3.723	-1.664	24.1	4.078	
1159673.3	15299103.3	1267.9	32.653	22.866	35.0	39.863	20.7	3.172	0.221	0.132	30.9	0.257	32.8	-3.928	-1.776	24.3	4.310	
1159678.0	15299101.7	1269.1	35.384	24.628	34.8	43.111	20.5	3.431	0.217	0.137	32.3	0.256	34.9	-4.080	-1.861	24.5	4.485	
1159682.8	15299100.2	1269.7	37.534	26.008	34.7	45.664	20.2	3.634	0.216	0.141	33.2	0.258	37.1	-4.267	-1.969	24.8	4.699	
1159687.5	15299098.6	1270.1	39.556	27.324	34.6	48.076	19.9	3.826	0.215	0.145	34.0	0.259	39.5	-4.458	-2.081	25.0	4.920	
1159692.3	15299097.0	1270.5	41.605	28.688	34.6	50.537	19.6	4.022	0.214	0.149	34.8	0.260	42.0	-4.643	-2.193	25.3	5.135	
1159697.0	15299095.5	1271.2	43.936	30.281	34.6	53.360	19.4	4.246	0.210	0.153	36.1	0.260	44.7	-4.811	-2.298	25.5	5.332	
1159701.8	15299093.9	1271.9	46.492	32.063	34.6	56.476	19.3	4.494	0.204	0.158	37.7	0.258	47.4	-4.967	-2.398	25.8	5.516	
1159706.5	15299092.3	1272.3	48.500	33.484	34.6	58.936	19.0	4.690	0.201	0.161	38.7	0.258	50.4	-5.143	-2.513	26.0	5.724	
1159711.3	15299090.8	1273.0	51.083	35.349	34.7	62.121	18.9	4.943	0.194	0.166	40.6	0.255	53.2	-5.292	-2.614	26.3	5.903	
1159716.0	15299089.2	1273.9	53.913	37.427	34.8	65.631	18.9	5.223	0.185	0.172	42.8	0.253	55.4	-5.432	-2.710	26.5	6.070	
1159720.8	15299087.7	1274.7	56.886	39.647	34.9	69.339	18.9	5.518	0.176	0.178	45.4	0.250	56.5	-5.566	-2.804	26.7	6.233	
1159725.5	15299086.1	1275.1	59.127	41.365	35.0	72.160	18.7	5.742	0.170	0.182	47.0	0.249	58.9	-5.722	-2.913	27.0	6.421	
1159730.3	15299084.5	1275.3	61.168	42.967	35.1	74.751	18.6	5.948	0.164	0.185	48.4	0.248	61.7	-5.880	-3.025	27.2	6.613	
1159735.0	15299083.0	1275.6	63.231	44.614	35.2	77.386	18.5	6.158	0.159	0.189	49.9	0.246	64.2	-6.034	-3.136	27.5	6.800	
1159739.8	15299081.4	1275.9	65.431	46.397	35.3	80.212	18.4	6.383	0.152	0.192	51.7	0.245	65.5	-6.179	-3.242	27.7	6.978	
1159744.5	15299079.9	1276.3	67.868	48.394	35.5	83.355	18.3	6.633	0.142	0.197	54.1	0.243	64.3	-6.315	-3.343	27.9	7.146	
1159749.3	15299078.3	1276.8	70.791	50.805	35.7	87.135	18.3	6.934	0.129	0.203	57.5	0.241	58.8	-6.439	-3.436	28.1	7.298	
1159754.0	15299076.7	1277.3	73.651	53.211	35.8	90.862	18.3	7.231	0.116	0.210	61.0	0.240	52.5	-6.561	-3.529	28.3	7.450	
1159758.8	15299075.2	1277.4	75.486	54.853	36.0	93.311	18.2	7.425	0.108	0.211	62.9	0.237	50.4	-6.696	-3.634	28.5	7.618	
1159763.5	15299073.6	1277.7	78.188	57.216	36.2	96.887	18.1	7.710	0.094	0.217	66.7	0.237	42.9	-6.812	-3.726	28.7	7.764	
1159768.3	15299072.0	1278.3	81.340	59.987	36.4	101.068	18.2	8.043	0.075	0.226	71.6	0.238	33.2	-6.919	-3.812	28.9	7.900	
1159773.0	15299070.5	1278.4	83.620	62.099	36.6	104.156	18.1	8.288	0.062	0.230	75.0	0.238	26.8	-7.032	-3.906	29.0	8.043	
1159777.8	15299068.9	1278.6	86.205	64.500	36.8	107.664	18.0	8.568	0.046	0.236	79.1	0.241	18.9	-7.135	-3.994	29.2	8.177	
1159782.5	15299067.4	1279.2	89.722	67.725	37.0	112.413	18.0	8.946	0.022	0.249	84.9	0.250	8.8	-7.229	-4.076	29.4	8.299	
1159787.3	15299065.8	1279.2	92.025	69.986	37.3	115.614	17.9	9.200	0.014	0.254	86.9	0.255	4.3	-7.325	-4.162	29.6	8.425	
1159792.0	15299064.2	1279.6	95.241	73.068	37.5	120.041	17.9	9.553	0.025	0.266	84.7	0.267	9.3	-7.413	-4.243	29.8	8.541	
1159796.8	15299062.7	1279.5	97.126	75.053	37.7	122.746	17.8	9.768	0.045	0.270	80.6	0.274	16.4	-7.497	-4.324	30.0	8.655	
1159801.5	15299061.1	1280.2	102.075	79.760	38.0	129.541	17.9	10.309	0.076	0.296	75.6	0.306	24.2	-7.580	-4.402	30.1	8.765	
1159806.3	15299059.6	1280.6	105.875	83.544	38.3	134.867	17.9	10.732	0.107	0.316	71.4	0.334	29.9	-7.661	-4.482	30.3	8.876	
1159811.0	15299058.0	1280.1	106.533	84.564	38.4	136.016	17.6	10.824	0.123	0.314	68.6	0.337	36.9	-7.720	-4.551	30.5	8.962	
1159815.8	15299056.4	1280.4	110.249	88.378	38.7	141.300	17.5	11.244	0.155	0.336	65.3	0.370	40.6	-7.790	-4.627	30.7	9.061	
1159820.5	15299054.9	1280.5	113.085	91.448	39.0	145.434	17.4	11.573	0.184	0.352	62.4	0.398	43.9	-7.849	-4.698	30.9	9.148	
1159825.3	15299053.3	1280.8	116.977	95.556	39.2	151.045	17.4	12.020	0.220	0.379	59.9	0.438	44.4	-7.913	-4.775	31.1	9.242	
1159830.0	15299051.7	1280.7	119.575	98.509	39.5	154.926	17.2	12.329	0.251	0.397	57.7	0.470	45.7	-7.956	-4.842	31.3	9.314	
1159834.8	15299050.2	1280.9	123.245	102.533	39.8	160.320	17.1	12.758	0.290	0.426	55.8	0.515	44.7	-8.004	-4.919	31.6	9.395	
1159839.5	15299048.6	1281.5	129.447	109.096	40.1	169.288	17.1	13.472	0.342	0.475	54.3	0.586	40.7	-8.084	-5.029	31.9	9.520	
1159844.3	15299047.1	1281.3	131.654	111.833	40.3	172.741	16.9	13.746	0.378	0.496	52.7	0.624	40.7	-8.093	-5.095	32.2	9.564	
1159849.0	15299045.5	1281.4	135.695	116.434	40.6	178.802	16.8	14.229	0.426	0.532	51.3	0.682	39.0	-8.122	-5.187	32.6	9.637	
1159853.8	15299043.9	1281.6	140.190	121.568	40.9	185.559	16.6	14.766	0.479	0.574	50.2	0.747	37.0	-8.148	-5.291	33.0	9.715	
1159858.5	15299042.4	1281.6	144.164	126.242	41.2	191.626	16.5	15.249	0.532	0.612	49.0	0.811	35.4	-8.152	-5.391	33.5	9.773	
1159863.3	**15299040.8**	**1281.9**	**149.893**	**132.816**	**41.5**	**200.269**	**16.4**	**15.937**	**0.597**	**0.666**	**48.1**	**0.895**	**33.1**	**-8.182**	**-5.527**	**34.0**	**9.874**	**BF exceeds limit NG**
1159868.0	**15299039.3**	**1282.0**	**154.485**	**138.290**	**41.8**	**207.339**	**16.2**	**16.500**	**0.660**	**0.714**	**47.3**	**0.972**	**31.5**	**-8.177**	**-5.645**	**34.6**	**9.936**	**BF exceeds limit NG**
1159872.8	**15299037.7**	**1282.1**	**159.597**	**144.396**	**42.1**	**215.224**	**16.0**	**17.127**	**0.728**	**0.768**	**46.5**	**1.058**	**29.8**	**-8.172**	**-5.775**	**35.2**	**10.007**	**BF exceeds limit NG**
1159877.5	**15299036.1**	**1282.7**	**168.642**	**154.895**	**42.6**	**228.981**	**16.0**	**18.222**	**0.817**	**0.856**	**46.3**	**1.183**	**27.5**	**-8.262**	**-5.987**	**35.9**	**10.204**	**BF exceeds limit NG**
1159882.3	**15299034.6**	**1283.0**	**176.164**	**163.908**	**42.9**	**240.623**	**15.9**	**19.148**	**0.901**	**0.936**	**46.1**	**1.299**	**25.7**	**-8.310**	**-6.171**	**36.6**	**10.351**	**BF exceeds limit NG**
1159887.0	**15299033.0**	**1283.2**	**183.036**	**172.531**	**43.3**	**251.534**	**15.7**	**20.016**	**0.986**	**1.018**	**45.9**	**1.417**	**24.2**	**-8.349**	**-6.348**	**37.2**	**10.488**	**BF exceeds limit NG**
1159891.8	**15299031.4**	**1283.3**	**189.286**	**180.355**	**43.6**	**261.452**	**15.5**	**20.806**	**1.068**	**1.097**	**45.8**	**1.530**	**22.7**	**-8.357**	**-6.502**	**37.9**	**10.588**	**BF exceeds limit NG**
1159896.5	**15299029.9**	**1283.3**	**194.671**	**187.256**	**43.9**	**270.114**	**15.2**	**21.495**	**1.146**	**1.173**	**45.7**	**1.640**	**21.3**	**-8.338**	**-6.632**	**38.5**	**10.654**	**BF and EF exceed limits NG**
1159901.3	**15299028.3**	**1283.4**	**202.687**	**197.325**	**44.2**	**282.877**	**14.9**	**22.511**	**1.237**	**1.275**	**45.9**	**1.777**	**20.0**	**-8.400**	**-6.827**	**39.1**	**10.824**	**BF and EF exceed limits NG**
1159906.0	**15299026.8**	**1283.0**	**204.352**	**199.911**	**44.4**	**285.874**	**14.5**	**22.749**	**1.297**	**1.331**	**45.7**	**1.859**	**18.7**	**-8.272**	**-6.855**	**39.6**	**10.743**	**BF and EF exceed limits NG**
1159910.8	**15299025.2**	**1282.3**	**202.709**	**198.518**	**44.4**	**283.726**	**13.9**	**22.578**	**1.342**	**1.366**	**45.5**	**1.915**	**17.3**	**-8.035**	**-6.779**	**40.2**	**10.513**	**BF and EF exceed limits NG**
1159915.5	**15299023.6**	**1281.9**	**204.356**	**201.006**	**44.5**	**286.644**	**13.4**	**22.810**	**1.400**	**1.428**	**45.6**	**2.000**	**16.0**	**-7.907**	**-6.788**	**40.6**	**10.422**	**BF and EF exceed limits NG**
1159920.3	**15299022.1**	**1281.3**	**203.899**	**200.938**	**44.6**	**286.271**	**12.9**	**22.781**	**1.447**	**1.476**	**45.6**	**2.067**	**14.7**	**-7.714**	**-6.728**	**41.1**	**10.235**	**BF and EF exceed limits NG**
1159925.0	**15299020.5**	**1280.7**	**203.728**	**201.173**	**44.6**	**286.314**	**12.4**	**22.784**	**1.492**	**1.527**	**45.7**	**2.135**	**13.5**	**-7.538**	**-6.673**	**41.5**	**10.067**	**BF and EF exceed limits NG**
1159929.8	**15299018.9**	**1279.8**	**200.009**	**197.114**	**44.6**	**280.816**	**11.8**	**22.347**	**1.518**	**1.552**	**45.6**	**2.171**	**12.2**	**-7.236**	**-6.488**	**41.9**	**9.719**	**BF and EF exceed limits NG**
1159934.5	**15299017.4**	**1279.0**	**196.986**	**193.862**	**44.5**	**276.380**	**11.2**	**21.994**	**1.543**	**1.581**	**45.7**	**2.209**	**11.1**	**-6.966**	**-6.321**	**42.2**	**9.407**	**BF and EF exceed limits NG**
1159939.3	**15299015.8**	**1278.1**	**191.995**	**188.252**	**44.4**	**268.889**	**10.6**	**21.397**	**1.556**	**1.594**	**45.7**	**2.228**	**9.9**	**-6.620**	**-6.069**	**42.5**	**8.981**	**BF and EF exceed limits NG**
1159944.0	**15299014.3**	**1277.3**	**189.558**	**185.663**	**44.4**	**265.336**	**10.0**	**21.115**	**1.574**	**1.621**	**45.8**	**2.260**	**9.0**	**-6.392**	**-5.919**	**42.8**	**8.712**	**BF and EF exceed limits NG**
1159948.8	**15299012.7**	**1276.2**	**183.385**	**178.676**	**44.3**	**256.037**	**9.3**	**20.375**	**1.575**	**1.622**	**45.8**	**2.260**	**7.9**	**-6.000**	**-5.598**	**43.0**	**8.206**	**BF and EF exceed limits NG**
1159953.5	**15299011.1**	**1275.1**	**177.418**	**171.976**	**44.1**	**247.089**	**8.7**	**19.663**	**1.573**	**1.621**	**45.9**	**2.259**	**7.0**	**-5.615**	**-5.269**	**43.2**	**7.700**	**BF and EF exceed limits NG**
1159958.3	**15299009.6**	**1274.2**	**173.194**	**167.348**	**44.0**	**240.835**	**8.1**	**19.165**	**1.575**	**1.630**	**46.0**	**2.267**	**6.2**	**-5.313**	**-5.015**	**43.3**	**7.306**	**BF and EF exceed limits NG**
1159963.0	**15299008.0**	**1273.5**	**171.708**	**165.915**	**44.0**	**238.770**	**7.6**	**19.001**	**1.585**	**1.654**	**46.2**	**2.291**	**5.6**	**-5.157**	**-4.899**	**43.5**	**7.113**	**BF and EF exceed limits NG**
1159967.8	**15299006.5**	**1272.8**	**168.846**	**162.940**	**44.0**	**234.646**	**7.0**	**18.673**	**1.589**	**1.668**	**46.4**	**2.304**	**5.0**	**-4.934**	**-4.708**	**43.7**	**6.820**	**BF and EF exceed limits NG**
1159972.5	**15299004.9**	**1272.0**	**165.875**	**159.908**	**44.0**	**230.402**	**6.4**	**18.335**	**1.590**	**1.680**	**46.6**	**2.313**	**4.5**	**-4.709**	**-4.507**	**43.7**	**6.518**	**BF and EF exceed limits NG**
1159977.3	**15299003.3**	**1271.3**	**163.498**	**157.645**	**44.0**	**227.120**	**5.8**	**18.074**	**1.592**	**1.692**	**46.7**	**2.323**	**4.0**	**-4.523**	**-4.343**	**43.8**	**6.270**	**BF and EF exceed limits NG**
1159982.0	**15299001.8**	**1270.7**	**161.021**	**155.384**	**44.0**	**223.768**	**5.3**	**17.807**	**1.591**	**1.700**	**46.9**	**2.328**	**3.6**	**-4.342**	**-4.180**	**43.9**	**6.027**	**BF and EF exceed limits NG**
1159986.8	**15299000.2**	**1270.0**	**158.241**	**152.920**	**44.0**	**220.056**	**4.7**	**17.512**	**1.586**	**1.703**	**47.0**	**2.327**	**3.2**	**-4.157**	**-4.010**	**44.0**	**5.776**	**BF and EF exceed limits NG**
1159991.5	**15298998.6**	**1269.4**	**155.057**	**150.163**	**44.1**	**215.851**	**4.1**	**17.177**	**1.576**	**1.700**	**47.2**	**2.319**	**2.9**	**-3.968**	**-3.834**	**44.0**	**5.518**	**BF and EF exceed limits NG**

1159996.3	15298997.1	1268.6	150.325	145.827	44.1	209.435	3.5	16.666	1.558	1.686	47.2	2.296	2.5	-3.712	-3.582	44.0	5.159	BF and EF exceed limits NG
1160001.0	15298995.5	1267.7	144.589	140.511	44.2	201.617	2.9	16.044	1.533	1.662	47.3	2.261	2.2	-3.429	-3.297	43.9	4.757	BF and EF exceed limits NG
1160005.8	15298994.0	1267.4	141.665	138.512	44.4	198.127	2.3	15.766	1.512	1.645	47.4	2.235	2.1	-3.369	-3.249	44.0	4.681	EF exceeds limit NG
1160010.5	15298992.4	1266.7	134.619	131.804	44.4	188.400	1.8	14.992	1.473	1.601	47.4	2.176	2.0	-3.116	-2.987	43.8	4.316	EF exceeds limit NG
1160015.3	15298990.8	1265.9	126.296	123.324	44.3	176.520	1.5	14.047	1.419	1.539	47.3	2.094	1.9	-2.870	-2.708	43.3	3.946	EF exceeds limit NG
1160020.0	15298989.3	1265.2	116.331	112.670	44.1	161.949	1.5	12.887	1.357	1.458	47.1	1.992	1.8	-2.595	-2.404	42.8	3.538	EF exceeds limit NG
1160024.8	15298987.7	1264.4	105.140	100.031	43.6	145.123	1.8	11.549	1.282	1.358	46.6	1.868	1.8	-2.320	-2.094	42.1	3.126	EF exceeds limit NG
1160029.5	15298986.2	1263.7	93.434	86.211	42.7	127.130	2.3	10.117	1.201	1.242	46.0	1.728	1.8	-2.059	-1.798	41.1	2.733	EF exceeds limit NG
1160034.3	15298984.6	1263.0	82.286	72.639	41.4	109.761	2.8	8.734	1.119	1.124	45.1	1.586	1.5	-1.818	-1.529	40.1	2.376	
1160039.0	15298983.0	1262.0	72.512	60.686	39.9	94.556	2.8	7.524	1.046	1.018	44.2	1.460	1.0	-1.538	-1.238	38.8	1.974	

Max BF along centerline is 286.644 (mG) at 335.000 (ft) from structure 69/9

Cross section results at max BF along centerline between structures 69/9 and 69/9-1





3D EMF Point Results Span from 69/9 to 69/9-1:

Measurement			B					H	EF					Space Potential				
X (ft)	Y (ft)	Z (ft)	Real (mG)	Imaginary (mG)	Angle (deg)	Magnitude (mG)	Polarization Axial Ratio %	Magnitude (A/m)	Real (kV/m)	Imaginary (kV/m)	Angle (deg)	Magnitude (kV/m)	Polarization Axial Ratio %	Real (kV)	Imaginary (kV)	Angle (deg)	Magnitude (kV)	
1159935.8	15299085.4	1311.7	67.347	37.438	29.1	77.053	12.6	6.132	0.408	0.164	21.9	0.440	8.5	1.995	1.009	26.8	2.236	
1159934.3	15299080.6	1310.7	77.381	42.966	29.0	88.509	13.9	7.043	0.470	0.192	22.3	0.508	9.7	2.076	1.110	28.1	2.354	
1159932.7	15299075.9	1308.2	88.277	49.612	29.3	101.263	15.6	8.058	0.538	0.229	23.1	0.584	11.0	1.869	1.129	31.1	2.184	
1159931.2	15299071.1	1305.7	101.159	57.894	29.8	116.554	17.5	9.275	0.612	0.276	24.2	0.671	12.7	1.557	1.130	36.0	1.923	
1159929.6	15299066.4	1303.5	116.276	68.314	30.4	134.858	19.5	10.732	0.692	0.333	25.7	0.768	14.8	1.105	1.099	44.8	1.558	
1159928.0	15299061.6	1300.9	132.444	81.091	31.5	155.297	21.7	12.358	0.765	0.404	27.8	0.865	17.1	0.363	0.955	69.2	1.021	
1159926.5	15299056.9	1298.5	150.212	97.035	32.9	178.828	23.9	14.231	0.832	0.490	30.5	0.965	19.7	-0.593	0.699	-49.7	0.916	
1159924.9	**15299052.1**	**1296.6**	**170.408**	**117.415**	**34.6**	**206.942**	**26.0**	**16.468**	**0.896**	**0.596**	**33.7**	**1.076**	**22.8**	**-1.718**	**0.315**	**-10.4**	**1.746**	**BF exceeds limit NG**
1159923.4	**15299047.4**	**1294.5**	**189.791**	**141.581**	**36.7**	**236.783**	**27.3**	**18.843**	**0.941**	**0.720**	**37.4**	**1.185**	**25.6**	**-3.127**	**-0.373**	**6.8**	**3.149**	**BF exceeds limit NG**
1159921.8	**15299042.6**	**1291.6**	**200.886**	**163.748**	**39.2**	**259.168**	**26.6**	**20.624**	**0.933**	**0.828**	**41.6**	**1.247**	**26.7**	**-4.778**	**-1.606**	**18.6**	**5.041**	**BF exceeds limit NG**
1159920.2	**15299037.9**	**1289.2**	**212.060**	**187.092**	**41.4**	**282.794**	**24.6**	**22.504**	**0.966**	**0.956**	**44.7**	**1.359**	**27.3**	**-6.247**	**-3.072**	**26.2**	**6.962**	**BF exceeds limit NG**
1159918.7	**15299033.1**	**1286.9**	**219.031**	**205.666**	**43.2**	**300.455**	**21.4**	**23.909**	**1.059**	**1.104**	**46.2**	**1.530**	**26.0**	**-7.421**	**-4.701**	**32.4**	**8.785**	**BF exceeds limit NG**
1159917.1	**15299028.4**	**1284.6**	**218.666**	**213.271**	**44.3**	**305.450**	**17.5**	**24.307**	**1.223**	**1.277**	**46.2**	**1.768**	**22.1**	**-8.080**	**-6.135**	**37.2**	**10.145**	**BF and EF exceed limits NG**
1159915.5	**15299023.6**	**1281.9**	**204.356**	**201.006**	**44.5**	**286.644**	**13.4**	**22.810**	**1.400**	**1.428**	**45.6**	**2.000**	**16.0**	**-7.907**	**-6.788**	**40.6**	**10.422**	**BF and EF exceed limits NG**
1159914.0	**15299018.9**	**1278.9**	**179.384**	**174.034**	**44.1**	**249.933**	**9.8**	**19.889**	**1.543**	**1.546**	**45.0**	**2.184**	**9.5**	**-6.883**	**-6.351**	**42.7**	**9.365**	**BF and EF exceed limits NG**
1159912.4	**15299014.1**	**1276.8**	**158.384**	**151.145**	**43.7**	**218.930**	**7.0**	**17.422**	**1.629**	**1.656**	**45.5**	**2.323**	**4.7**	**-5.714**	**-5.483**	**43.8**	**7.919**	**BF and EF exceed limits NG**
1159910.9	**15299009.4**	**1274.6**	**136.080**	**126.794**	**43.0**	**185.996**	**4.7**	**14.801**	**1.606**	**1.657**	**45.9**	**2.308**	**1.6**	**-4.316**	**-4.169**	**44.0**	**6.000**	**EF exceeds limit NG**
1159909.3	**15299004.6**	**1272.1**	**114.744**	**103.902**	**42.2**	**154.796**	**2.9**	**12.318**	**1.493**	**1.554**	**46.1**	**2.155**	**0.3**	**-2.860**	**-2.674**	**43.1**	**3.916**	**EF exceeds limit NG**
1159907.7	**15298999.9**	**1268.7**	**94.060**	**82.448**	**41.2**	**125.080**	**1.6**	**9.954**	**1.326**	**1.380**	**46.1**	**1.914**	**0.2**	**-1.332**	**-1.055**	**38.4**	**1.700**	**EF exceeds limit NG**
1159906.2	**15298995.1**	**1264.8**	**76.919**	**65.337**	**40.3**	**100.923**	**0.8**	**8.031**	**1.128**	**1.166**	**45.9**	**1.622**	**0.8**	**-0.061**	**0.280**	**-77.7**	**0.286**	**EF exceeds limit NG**
1159904.6	15298990.4	1261.4	64.838	53.699	39.6	84.187	0.3	6.699	0.916	0.931	45.4	1.306	1.9	0.582	0.917	57.6	1.086	
1159903.0	15298985.6	1258.3	55.634	45.093	39.0	71.613	0.5	5.699	0.724	0.717	44.7	1.019	2.9	0.846	1.136	53.3	1.416	

1159901.5	15298980.9	1255.3	48.476	38.570	38.5	61.948	0.8	4.930	0.565	0.545	44.0	0.785	3.6	0.885	1.123	51.8	1.430
1159899.9	15298976.1	1253.3	43.381	34.016	38.1	55.127	1.2	4.387	0.445	0.418	43.3	0.610	3.8	0.738	0.942	51.9	1.197
1159898.4	15298971.4	1251.8	39.327	30.449	37.7	49.737	1.5	3.958	0.354	0.327	42.7	0.482	3.8	0.563	0.747	53.0	0.936
1159896.8	15298966.6	1250.1	35.612	27.237	37.4	44.834	1.8	3.568	0.284	0.258	42.2	0.384	3.8	0.437	0.610	54.4	0.750
1159895.2	15298961.9	1248.2	32.343	24.457	37.1	40.549	1.9	3.227	0.230	0.206	41.8	0.309	3.6	0.335	0.502	56.3	0.603