TIME WARNER CABLE

01-V-1240

July 31, 2003

VIA CERTIFIED MAIL/
RETURN RECEIPT REQUESTED

Secretary Janet Diexler
N.Y.S. Department of Public Service
Three Empire State Plaza - 19th Floor
Albany, New York 12223

Dear Ms. Diexler:

Enclosed are an original and four (4) copies of the City of Rome (Oneida County) franchise application, which is served by the Time Warner Cable Syracuse Division.

If you have any questions, please do not hesitate to contact me at (315) 634-6107.

Sincerely,

Richard T. Strong
Manager of Government Affairs
enclosures

cc: Henry Pearl, Vice President/General Manager Manager-Time Warner Cable Syracuse

6005 Fair Lakes Road East Syracuse, NY 13057 • P.O. Box 4791 Syracuse, NY 13221 Tel 315.634.6100 Fax 315.463.8020

CABLE TELEVISION FRANCHISE RENEWAL AGREEMENT

THIS AGREEMENT, executed on the ____ day of _____, 2003, by and between the **CITY OF ROME, NEW YORK** (hereinafter referred to as "City"), a municipal corporation organized and existing under the laws of the State of New York, with a principal place of business at 198 North Washington Street, Rome, New York, and **TIME-WARNER ENTERTAINMENT-ADVANCE/NEWHOUSE PARTNERSHIP**, a New York General Partnership, organized and existing under the laws of the State of New York, the local place of business of which is located at 6005 Fair Lakes Road, P.O. Box 4733, East Syracuse, New York 13221 (hereinafter referred to as "Company").

WITNESSETH

WHEREAS, pursuant to the City of Rome Charter, the City of Rome Common Council ("Common Council") and the City of Rome Board of Estimate & Contract ("Board") have the power to grant franchises providing for or involving the use of the City's Rights-of-way (as defined in Section 1 hereof) and to give the consent of the City to any franchisee for or relating to the occupation of the Rights-of-way; and

WHEREAS, pursuant to the Communications Act of 1934, as amended (the "Communications Act"), the Common Council and the Board have the authority to grant cable television franchises and renewals thereof on behalf of the City and whereas the Common Council and the Board and Company pursuant to said Federal Law and pursuant to applicable State laws and the regulations promulgated thereunder, have complied with the franchise procedures required of municipalities and cable operators in the grant of cable of television franchises or their renewal; and

WHEREAS, the City has conducted negotiations with Company and has conducted one or more public hearings on Company's franchise renewal proposal affording all interested parties due process including notice and the opportunity to be heard; said deliberations included consideration and approval of Company's technical ability, financial condition and character; said public hearing also affording consideration and approval of Company's technical ability, financial condition and character; said public hearing also included consideration and approval of Company's plans for constructing and operating cable television system; and

WHEREAS, following such public hearings and such further opportunity for review, negotiations and other actions as the Common Council and Board deemed necessary and that it is necessary and that is required by law, the Common Council and the Board decided to renew Company's franchise as provided hereinafter; and

WHEREAS, the Common Council and the Board, in granting this franchise renewal, embodied in the Agreement the results of their review and any negotiations with Company and have determined that said franchise agreement and Company, respectively, fulfills and will fulfill the needs of the City with respect to cable television service and

complies with the standards and requirements of the New York State Public Service Commission ("NYPSC").

NOW, THEREFORE, in consideration of the foregoing clauses, which clauses are hereby made a part of this franchise agreement, and the mutual covenants and agreements herein contained, the parties hereby covenant and agree:

SECTION I. DEFINED TERMS

For the purposes of this Franchise Agreement, the following terms, phrases and words shall have the meaning given herein.

(a.) "Board" is the Board of Estimate & Contract of the City of Rome;

(b.) "City" is the City of Rome, New York;

(c.) "Company" is Time Warner Entertainment-Advance/Newhouse Partnership;

(d.) "Council" is the Common Council of the City of Rome;

(e.) "Facilities" or "Cable Television System" or "System" means a facility, consisting of closed transmission paths, including communications cables, fiber optic wires or lines, associated signal generation, reception and control equipment, conduits, converters, splice boxes, cabinets, hand-holes, manholes, vaults, equipment, drains, surface location markers, appurtenances and/or other equipment designed and constructed by the Company in the City for the provision of Cable Television Service, or other services utilizing different frequencies on the same path, to multiple subscribers within a community under this Agreement;

(f.) "Public Right-of-Way" or "City Right-of-Way" or "Right of Way" means the surface, the air space in, on, under, through or above the surface and the area in, on, under, through or below the surface of the public streets, roads, sidewalks and alleys within the City, including without limitation, appurtenant public utility and public service easements, as the same may now or hereafter exist, that are under or which may come under the jurisdiction of the City;

(g.) "Cable Television Service" means all video programming services that the Company may lawfully provide, utilizing the Company's Cable Television System constructed and installed within the Public Right of Way pursuant to this Agreement, including:

(1) The one way transmission to Subscribers of Video Programming, or other programming service; and

(2) Subscriber interaction, if any, which is required for the selection or use of such Video Programming, or other programming service.

(h.) "Gross Annual Revenue" means all revenue received and derived annually and directly from the provision of Cable Television Services by Company to subscribers residing within City, which is purchased by subscribers on a regular, recurring monthly basis, including pay-per-view, net of franchise fees. Gross revenue shall not include: (1) excise taxes; or (2) sales tax; or (3) bad debt; or (4) any other taxes, which are imposed on the Company or any other other subscriber by any governmental unit and collected by Company for the City; or (5) revenue to be collected for leases, private end user agreements or other conveyances of dark or dim fiber to affiliates or third parties and bad debt;

(i.) "Basic Service" means any service tier, which includes the retransmission of local broadcast signals;

(j.) "Effective Date" of this Agreement shall be that date subsequent to confirmation of the Franchise by the New York State Public Service Commission ("NYSPSC") agreed to by both parties, which date is _____;

(k.) "FCC" means the Federal Communications Commission, its designees and any successor thereto;

(l.) "NYSPSC" means the New York State Public Services Commission.;

(m.) "Service Tier" means a category of Cable Television Service provided by Company over the cable television system for which a separate rate is charged for such category by Company;

(n.) "Subscriber" means any person lawfully receiving any service in the City provided over the cable television system; and

(o.) "Video Programming" means any and all programming services provided by, or generally considered comparable to programming provided by a television broadcast station.

When not inconsistent with the context, words used in the present tense include the future, words in the plural include the singular number, words in the singular number include the plural number. The word "shall" is always mandatory; the word "may" is always permissive.

SECTION II. GRANT OF AUTHORITY

(a.) By this Agreement, there is hereby granted by the City to the Company the non-exclusive right and privilege to construct, install, erect, operate, repair, replace, reconstruct and maintain in, upon, along, across, above, over and under the streets, alleys, public ways and public places now laid out or dedicated, or which may be laid out or dedicated in the future, and all extensions thereof, and additions thereto, in the City,

poles, wires, cables, underground cables, underground conduits, manholes and other fixtures and conductors necessary for the maintenance and operation of a cable television system within the City for the interception and distribution of television signals.

This grant is subject to and in accordance with the laws and regulations of the United States of America, the State of New York and the ordinances, regulations and reasonable exercise of the Police Power of the City of Rome, and does not convey nor shall it be construed to convey any right, privilege or authority to proceed with any opening or excavation except in the manner hereinafter provided.

This grant is a grant to the Company of non-exclusive rights, subject to the review and approval of the Common Council, and similar non-exclusive rights may be granted by the City to other utilities to cross the area to be occupied by the Company, provided that said additional grants do no unreasonably interfere with the Company's facilities installed pursuant to this Agreement, except as otherwise provided by this Agreement.

(b.) RESERVATION OF RIGHTS-- The City expressly reserves the right to adopt and impose additional regulations that it deems necessary in the exercise of its police powers, and which do not conflict with the terms and conditions of this Agreement. Except as specifically set forth herein to the contrary, the City and the Company each reserve all rights under law, including any right either may have to impose or challenge, respectively, any and all franchise regulations, requirements and charges which the City may promulgate in the future. By accepting this Agreement, the Company does not waive its right to challenge the lawfulness or enforceability of any provision contained in this Agreement; however, the Company expressly acknowledges that, at the time of execution of the Agreement, it was represented by counsel, that it understood the meaning and intent of each provision of this Agreement, and that it voluntarily entered said Agreement. The City and the Company agree that neither will assert any claim that, by entering into this Agreement, either has waived any right it might otherwise have to impose any subsequent franchise regulation, requirement or fee, or to challenge the lawfulness of any such subsequent regulation, requirement or fee, or its application by the City or to the Company.

(c.) FAVORABLE FRANCHISE TERMS-- In the event that another Cable Television Service provider accesses the City's Public Right-of-Way pursuant to an agreement executed after the date of the execution of this Agreement, such subsequent franchise shall require the new Cable Television Service Provider to pay City a franchise fee and obtain a performance bond, each on the same terms and conditions and at the same percentage and amount as Company, and to build out the same service area as the incumbent provider, in a timely and non-discriminatory manner.

(d.) NO REPRESENTATIONS-- By consequence of the Agreement or subsequent approvals authorized by the Agreement, the City makes no representation, express or implied, as to the feasibility of the project, the proposed plans and locations, the condition or usability of the Public Right-of-Way, nor to the extent of work involved

in accommodating any existing utility or facility located within the City Public Right-of-Way. Any coordination with the various utility operators, public or private, is the responsibility of the Company.

(e.) Nothing in this Franchise shall limit the right of Company to transmit any kind of signal, frequency, or provide any type of service now in existence or which may come into existence and which is capable of being lawfully transmitted and distributed by those facilities owned and operated by Company. The provision by Company of any service other than Cable Television Service shall be subject to all applicable laws and regulations and to any right the City may have under federal or state law to require fair and reasonable compensation for Company's use of the rights-of-way, provided that such requirement is non-discriminatory and competitively neutral.

(f.) City shall make its best efforts to ensure that a grant of a subsequent franchise to a subsequent Cable Television provider shall be on terms and conditions which are not more favorable or less burdensome than those on the Company hereunder.

SECTION III. APPROVAL OF COMPANY BY MUNICIPALITY

(a.) This Franchise is subject to and complies with all applicable Federal and state laws and regulations, including, without limitation, the rules of the NYSPSC concerning franchise standards. The City hereby acknowledges and agrees that this Franchise has been entered into by it in accordance with and pursuant to the Communications Act of 1934, as amended 47 U.S.C., §521 et seq., as amended (hereinafter referred to as "Telecommunications Act"). The City hereby represents and warrants that this Franchise has been duly entered into in accordance with all applicable local laws. The City hereby acknowledges that it, by duly authorized members thereof, has met with the Company for the purposes of evaluating the Company and negotiating and consummating this Franchise.

(b.) In a full and public proceeding, affording due process, the City has considered and approved the Company's technical ability and character and has considered and found adequate the Company's plans for constructing and operating the cable television system.

SECTION IV. FRANCHISE TERM

The term of this agreement shall be ten (10) years, commencing on the later of execution of the parties or on the date NYSPSC issues the Certificate of Confirmation for this Franchise Agreement, and shall terminate on the _____ day of __, _____.

SECTION V. CONDITIONS OF RIGHT-OF-WAY OCCUPANCY

(a) USE-- All transmission and distribution structures, lines and equipment erected by the Company within the City shall be so located as to cause minimum interference with the proper use of the streets, alleys and other public ways and places, and to cause minimum interference with the rights or reasonable convenience of property owners who adjoin any of the said City streets, alleys or other public ways and places.

Company agrees to comply with all Federal, state and generally applicable local laws. Nothing in this Agreement shall be deemed to waive the requirements of any generally applicable codes and ordinances of the City, including but not limited to generally applicable and non-discriminatory permit requirements and fees to be paid.

Company or any person authorized by Company shall erect, construct and maintain its cable television system using materials of good and durable quality, and shall erect, construct or maintain any of the property of Company used in the transmission or reception of cable television service by employing due care under the facts and circumstances and shall maintain and install said property of Company in a safe, thorough and reliable manner, and in accordance with commonly accepted methods and principles in the cable television industry so as to prevent failures and accidents likely to cause damage or injury to members of the public. Without limiting the generality of the foregoing, the Company shall comply with the construction, maintenance, traffic plan and other standards issued by the City, the terms of this Agreement, and any other lawful rules and City ordinances and regulations generally applicable to work in the City Public Right-of-Way.

The Company's cable television system equipment shall be constructed, installed, operated, repaired, modified and maintained within the City in accordance with Underground Standards for Construction, the National Electric Code ("NEC"), the National Electric Safety Code ('NESC"), the National Board of Fire Underwriters ("NBFU"), and Rules and Regulations of the Occupational Safety and Health Act ("OSHA"), and in compliance with all Federal, State and generally applicable local laws, rules, regulations, codes and/or ordinances governing the activities contemplated by this Agreement, including without limitation, any required environmental reviews and approvals.

Whenever Company or any person on Company's behalf shall cause injury or damage to City property or rights-of-way, by or because of the installation, maintenance or operation of the cable television system equipment, such injury or damage shall be remedied as soon as reasonably possible after the earlier of notice to Company from the City, or after Company becomes aware of same, in such fashion so as to restore the property or right-of-way to serviceable condition.

(b) STREET OPENINGS-- Whenever in the construction, reconstruction, reinforcement, maintenance or repair of any such underground conduits, ducts, pipes, manholes, lateral connections, or other appurtenances or fixtures, it shall become

necessary to open or excavate any public street, highway, road, avenue, lane or alley under the jurisdiction of the City of Rome, the Company shall not commence said work until a permit for street cuts, or other necessary building or other permit(s), is/are received from the City of Rome. The Company shall comply with the rules and regulations of the City in effect governing such opening or excavation.

The construction, reconstruction, reinforcement, maintenance or repair of any underground conduits, ducts, pipes, manholes, lateral connections, or other appurtenances, fixtures or facilities, shall be accomplished without cost or expense to the City.

(c) RESTORATION-- In case of any disturbance of pavement, sidewalk, driveway or other surfacing, or of any relocation initiated by the Company of its facilities, the Company shall, at its own cost and expense and in a manner approved by the City Engineer, replace and restore all paving, sidewalk, driveway or surface of any street or alley disturbed, in as good condition as before said work was commenced, and shall maintain the restoration in an approved condition for a period of two (2) years.

(d) PLACEMENT OF UNDERGROUND LINES-- New conduit lines, wherever practicable, shall be located adjacent to the curb line and at least eighteen inches (18") beneath the surface of the street. Manholes shall be located at such points as may be necessary or convenient to receive electrical conductors, appurtenances and fixtures which the Company may from time to time construct and lay under ground and shall be so constructed as not to interfere with the public use of the street.

(e) LOCATION OF POLES-- The poles used for the Company's distribution system shall be those erected and maintained by the Company, Bell Atlantic /Verizon, Adelphia Business Solutions and Niagara Mohawk Power Corp. and any other pole owner within the City, said companies' assigns or successors, or of any company which may erect or maintain poles within the City. In no instance shall there be constructed or erected poles in, upon or along the streets, alleys, public ways or public places in the City by the Company where there are existing available structures or poles adequate to service the area, providing such existing structures or poles are accessible to the Company and satisfactory rental agreements can be concluded with the owners thereof.

In the event that mutually satisfactory rental agreements between the Company and the utility companies cannot be consummated further, or no pre-existing poles are accessible for the Company's needs, the Company may install its own poles throughout the City, upon approval of the Common Council and in accordance with the rules and regulations of the City, and subject to the terms of this Agreement.

Should the Company wish to affix or maintain any cables, wires or other electronic equipment on poles now owned solely or jointly by the City, the Company shall first petition the Council for permission to do the same.

(f) PLACEMENT OF FIXTURES-- The Company shall not place poles or other fixtures where the same will interfere with any gas, electric, cable fixture, water hydrant or main, and all such other poles or fixtures placed in any street shall be placed at the outer edge of the sidewalk and inside the curb line, and those placed close to the line of the lot abutting on said alley, and then in such a manner as not to interfere with the usual travel of said streets, alleys and other public ways.

(g) RELOCATION-- In event that at any time during the period of this permit the City shall lawfully elect to: (1) alter or change the grade of any street, alley, water system, storm sewer, sanitary sewer or other public way; (2) construct, maintain or operate any other City underground or aboveground facilities; and/or (3) make any other municipal improvement as deemed in the public interest by the City, the Company, upon sixty (60) days notice by the City, shall remove, relay and relocate its poles, wires, cables, underground conduits, manholes and other cable television system fixtures at its own expense, except as hereinafter provided. The City shall reimburse the Company for relocation expenses incurred hereunder to the extent that other utility companies providing the same type of service and conducting similar relocation projects are reimbursed.

Should the Company decide to remove or relocate its facilities, except in the case of an emergency, in the Public Right-of-Way, it shall give the City not less than ten (10) days prior written notice of its intention to do so. In the case of such removal or relocation in the event of an emergency, the Company shall notify the City as soon as reasonably possible. Before proceeding with removal or relocation work, the Company shall obtain such additional permits as may be required by the City. The City will issue, on an expedited basis, providing the Company complies with all requirements, all City permits necessary to enable the Company to relocate its facilities at minimal disruption to its services.

(h) REMOVAL OF LINES-- The Common Council, under reasonable regulations, reserves the right to order the removal or relocation of poles, wires and other appurtenances erected by the Company whenever, in the judgment of the Common Council, such action is necessary in the public interest, and the Company shall forthwith comply with any and all restrictions and directives in such matters at its own expense. Upon proposal of such regulation, the Company will be given written notice of and an opportunity to be heard regarding the regulation before the Common Council resolves whether or not to remove or relocate the poles, wires and other appurtenances erected by the Company.

(i) TRIMMING OF TREES-- The Company shall have the authority to trim City-owned trees upon and overhanging all streets, alleys, easements, sidewalks and public places of the City so as to prevent the branches of such trees from coming into contact with the facilities of the Company. The Company must confer with private property owners before trimming any trees on private property that may hinder or obstruct their facilities.

(j.) CONDITION OF FACILITIES-- The Company shall construct, operate, repair, modify and keep its Facilities in good and safe condition and free from any nuisance, to the reasonable satisfaction of the City.

(k.) PLANS AND SPECIFICATIONS-- The Company shall submit all non-confidential and non-proprietary plans, including a critical path schedule, for its project to the City for approval, prior to the issuance of street cut permits and the commencement of any future project work. The City shall review and approve the location of the Facilities prior to the issuance of street cut permits to ensure the location of the Facilities does not conflict with other projects of the City or then existing users of the Public Right-of-Way. If a conflict does exist, the Company's Facilities shall be relocated to a mutually acceptable one. The Company shall provide to the City, at no cost to the City, one copy of record drawings. The record drawings and referencing of Facilities shall be to the reasonable satisfaction of the City. The Company shall certify to the accuracy of the record drawings and to the fact that the improvements were constructed in conformity with the City's approval.

The Plans and Specifications required to construct all facilities subject to this Agreement shall be prepared, at the Company's sole cost and expense, by an engineer approved by both parties, and submitted to the City for its review and approval. The drawings and specifications shall be sealed and signed by the professional engineer. The engineer shall certify that the plans and certifications have been prepared in conformance with the applicable laws, rules, regulations, ordinances, codes, standards and conditions of authorities governing the work.

(l.) MISCELLANEOUS-- All work shall be done in a skillful manner with reasonable diligence and in accordance with the plans and specifications reviewed and approved by the City.

The City shall be advised in advance of the time when the work is to be done. The work of installation, including shoring, protection of Facilities and other safety measures, shall be subject to supervision and approval of the City. The City reserves the right to observe the ongoing construction to inspect materials and workmanship, or for any other lawful government purpose, during the construction and installation of the Network within the City Right-of-Way upon three (3) days Notice to the Company, or sooner if circumstances warrant. All City observation and inspection of the Company's Network or facilities shall be in the presence of a representative of the Company.

The entire excavation, construction and work permitted by this Agreement is to be protected by suitable guards. Signals both by day and night and precautions are to be taken by all reasonable means to prevent any accident or injury while the work is in progress. Traffic maintenance, control and protection shall be the responsibility and at the expense of the Company; however, such traffic management shall be as permitted by the City.

The Company, its assignees and successors, covenant that the City shall have the authority to demand any reasonable on-site investigations, excavation, construction or other action, to be taken at the sole expense of the Company, which actions are necessary to ensure that the excavation of City streets does not damage or impair City utilities, other users of the Public Right-of-Way, or threaten the public health, safety and well-being.

SECTION VI. COMPANY LIABILITY-INDEMNIFICATION

It is expressly understood and agreed by and between the Company and the City that the Company shall save the City harmless from all loss, liability, damage, suit, judgment, execution, claim, and all costs or expenses arising from claims of injury to persons, including death, or damage to property, resulting from any conduct of Company, its employees, agents or its assigns, undertaken pursuant to this Franchise or from nuisance, trespass or any other actionable tort or occurrences attributable to the Company or its assigns as a result of the construction, operation or maintenance of its facilities and/or cable television system in the City. The City shall notify the Company's representative in the City within forty-five (45) days after the presentation of any claim or demand, either by suit or otherwise, made against the City on account of any negligence as aforesaid on the part of the Company. Conduct, either by act of commission or omission, by employees, consultants, officials, or agents employed or otherwise retained by the City shall not be construed to be conduct of the Company or its agents.

Any municipal property damaged or destroyed by the Company shall be promptly repaired or replaced by the Company and restored to serviceable condition.

SECTION VII. INSURANCE

The Company shall carry insurance to protect the City and itself from and against any and all claims for injury or damage to person or property, both real and personal, caused by the construction, erection, operation or maintenance of any structure, equipment, appliance or product authorized or used pursuant to this Ordinance. The Company shall carry comprehensive general liability insurance, with coverage of such insurance not to be less than one million dollars ($1,000,000.00) per occurrence and two million dollars ($2,000,000.00) in the aggregate, and shall carry excess liability not less than five million dollars ($5,000,000.00) per occurrence and in the aggregate. The Company shall obtain and maintain at all times during which work occurs under this Agreement, statutory Worker's Compensation and Employer's Liability Insurance as required by law.

The Company agrees to provide the City a Certificate of Insurance, and to have the City named as an additional insured to said policy, and to provide the City with a certificate from said insurance company or companies showing the City as an additional insured. In the event of any change in the Certificate of Insurance or insurance provided, Company agrees to provide City with a new Certificate of Insurance, as necessary to meet the obligations of this franchise.

There shall be contained in such policies a provision that a written notice of any cancellation or reduction in coverage of said policy shall be delivered to the City ten (10) days in advance of the effective date thereof.

SECTION VIII. BOND

The Company, prior to the initiation of any rebuild within the City, shall furnish and file with the City Clerk bond and surety of a surety company authorized to do business in the state of New York said bond to be in an amount to be determined by the City of Rome Engineer's Department and the City of Rome Corporation Counsel's Office.

Company shall at the time of approval of this Agreement by the NYSPSC furnish and file with the City Clerk bond and surety of a surety company in the amount of One Hundred Thousand Dollars ($100,000.00) to ensure that Company faithfully performs all obligations pursuant to this Agreement. Said bond shall be renewed annually and remain in full force and effect for the duration of this Agreement, and shall provided thirty (30) days written notice of intention not to renew, cancellations or material change be given to the City.

SECTION IX. COMPENSATION

(a) PERMIT FEES-- The company shall pay all generally applicable, non-discriminatory standard processing, field marking, engineering and inspection fees, and all other applicable fees, if any, associated with the issuance of any City permits required for the Company's installation, operation, repair, modification, removal or construction of the Facilities and the Network. These fees shall include, but are not limited to, the documented costs of the City Water Department and Department of Public Works for City employee's time required to supervise, review provide location assistance and inspect the project to the satisfaction of the Commissioner of Public Works.

(b.) FRANCHISE FEES-- In addition to the other compensation set forth in this Section, the Company also agrees to pay the following:

(i) a Franchise fee equal to five percent (5%) of gross revenues from the Company's provision of Cable Television Services utilizing its Cable Television System or facilities located within the City, less the aggregate of: (i) any taxes, fees or assessments of general applicability imposed on the Company or any subscribers, or both, which are determined to be discriminatory against the Company or any subscribers, by a court of competent jurisdiction; (ii) any non-capital expenses incurred by the Company in support of the PEG access requirements of this Franchise Agreement; and (iii) any fees or assessments payable to the NYSPSC which, when combined with all other fees and credits would exceed five percent (5%) of gross revenues. Additionally, Company shall have the right to apply franchise fees paid as a credit against special franchise assessments pursuant to §626 of the New York State Real Property Tax Law.

(ii.) Payment of the franchise fees shall be due within sixty (60) days of the end of each quarter of the company's fiscal year. Company shall submit to the City, along with the payment of said fees, a report showing reasonable detail the basis for the computation thereof. In the event a discrepancy or error is discovered between the amount paid and the amount due, either party may inform the other of the alleged discrepancy or error, at which time, the following shall occur: a.) in the event of an underpayment, the Company shall pay the City any additional amounts City is entitled to under this Agreement; b.) in the event of an overpayment, the City shall grant a refund of overpayment or offer a credit, in the amount of the discrepancy, to be used to set off subsequent Franchise Fee payments; or c.) either party may request and pay an independent third party/entity to audit said financial statements, and determine whether or not such discrepancy or error exists. Upon a finding by the Auditor that a discrepancy does in fact exist, the aggrieved party is entitled to satisfaction of the discrepancy by the other party.

(iii) At anytime during the ten (10) year term of this Franchise, the City may, upon sixty (60) days notice to the Company, amend the franchise fee in an amount not to exceed a total franchise fee of five percent (5%) of Company's gross revenues, provided that all applicable state and federal laws are adhered to and subject to the approval of the New York State Public Service Commission. Upon receipt of the New York Public Service Commission Order of Confirmation of the amended franchise, Company shall begin collecting the new franchise fee amount.

SECTION X. ASSIGNMENT & TRANSFERAL

(a) The Company shall not transfer or assign this Agreement, nor any rights hereunder, to any other entity without the express written consent of the City, which consent shall not be unreasonably withheld or denied.

(b) In the event that the City refuses to grant such request, it shall set forth specific reasons for its decision in writing by resolution of the Common Council.

(c) Notwithstanding the above, this Section shall not be applicable, and no prior approval shall be required if Company shall transfer this Franchise to any of its principal partners, to any parent, subsidiary or affiliate of any of the principal partners of Company, or to any other firms or entities controlling, controlled, by or under the same common control as Company.

SECTION XI. ABANDONMENT OF SERVICE

The Company shall not abandon any service or portion thereof or its facilities or cable television system or any portion thereof without first giving ninety (90) days written notice to the City of its intent to do so. Upon abandonment of its facilities or system, the Company agrees to take such steps as are necessary to render every portion of the facilities or system remaining within the Public Right-of-Way of the City safe, and

shall thereupon be deemed to have abandoned the same in its entirety, and the same shall thereupon become the sole property of the City, without payment to the Company. If the City requires the removal of all or parts of the facilities or system, the Company is obliged to comply at its own expense. The Company has the right to request a review for any termination hereunder in a manner consistent with Section XII (d) of this Agreement.

SECTION XII. REVOCATION OF FRANCHISE

(a.) The City reserves the right to revoke the grant of authority to operate and maintain a cable television system for any of the following reasons:

(1.) Failure to comply with the material terms and conditions of this Agreement;
(2.) Failure to comply with any generally applicable local, state or federal law, ordinance, rule or regulation, unless said law is deemed unlawful by a court of competent jurisdiction;
(3.) Failure to comply with the rules and regulations of either the Federal Communications Commission or New York State Public Service Commission;
(4.) Failure to pay any sum due to the City under the terms and conditions of this Ordinance, except to the extent said failure to pay is for any disputed sums for which the Company has requested a review pursuant to Section XII (d) of this Agreement;
(5.) Commission of fraudulent or deceitful practices as determined by a court of p competent jurisdiction;
(6.) The filing of a petition in bankruptcy by the Company or by creditors of the Company or the appointment of a receiver of all or substantially all of the Company's assets;
(7.) The abandonment by the Company of all or substantially all of its Network or Facilities; or
(8.) The company no longer conducts business in the City of Rome.

(b.) If any of the above-listed reasons occurs, except for causes beyond the reasonable control of the Company, and if the Company shall fail within sixty (60) days written notice from the City to commence a plan to correct such default or non-compliance, the Common Council shall have the right to revoke this grant and all of the rights of the Company hereunder.

(c) In the event the Company makes its best efforts to correct such default or non-compliance, but fails to do so within sixty (60) days, the Company shall, prior to or at the expiration of said sixty (60) days, cause written notice and all relevant information to be given to the City of Rome, stating or demonstrating the reason such default or non-compliance has not been cured or corrected. The City after reviewing said notices and following consultation with the Company, if any, regarding the submitted information, may, in its discretion and judgment reasonably exercised and subject to all applicable federal and state laws, revoke this grant and all rights hereunder, or extend the time frame within which the Company may cure or correct said default or non-compliance.

(d) Should the City elect to revoke this grant and all rights hereunder following a notice allowed under subdivision (c) of this Section or for any other sanction(s), fine(s) or termination(s) imposed by the City against the Company for which the appropriate time to correct or cure the applicable default or non-compliance has expired, the Company shall be afforded the right to a review of City's decision by the New York State Public Service Commission, the Federal Communications Commission, or any other agency, tribunal, commission, entity or party which has the appropriate jurisdiction over the subject matter of this Agreement and the grant and rights conferred hereby. If such a review is requested, the Company must petition the appropriate reviewing agency, board, commission, tribunal or party, and the Company must give written notice to the City that such a review is being sought.

SECTION XIII. RATE REGULATION

The rates and charges imposed on subscribers for Cable Television Service pursuant to rights granted Company under this Agreement shall be subject to the approval of the City and the NYSPSC to the extent consistent with applicable State and Federal law. The rates for any cable television service provided by Company for which approval is required shall be deemed part of this Franchise whether or not the same are specifically set forth in this Agreement.

SECTION XIV. ADDITIONAL REGULATIONS

The right is hereby reserved to the City to adopt, in addition to the provisions herein contained in existing, applicable ordinances, such additional regulations as it shall find necessary in the exercise of the police power, provided that such regulations, by ordinance or otherwise, shall be reasonable and not in conflict with the laws of the State of New York or this Franchise Agreement. However, any substantive change in any of the rights or obligations of the Company shall not be effective until the Company has had an opportunity to be heard thereon and afforded due process of law with respect to any additional, amended or changed regulations.

SECTION XV. CONFORMANCE TO LAW

The Company will conform to all federal and state laws and regulations, and any modifications of federal or state franchise standards, rules or regulations will to the extent applicable be considered as part of the franchise granted under this Agreement as of the effective date of the amendment.

SECTION XVI. NOTICES

(a.) NOTICES HEREUNDER--All Notices permitted or required hereunder shall be in writing and shall be transmitted via certified United States mail, return receipt requested, or by private same day or overnight delivery service and shall be addressed as follows or to such different addresses as the parties may from time to time designate:

If to the City, address to:

City of Rome, New York
Office of the Mayor
City Hall,
198 North Washington Street
Rome, New York 13440

and

Corporation Counsel's Office
City Hall--Suite 3A
198 North Washington Street
Rome, New York 13440

If to the Company, address to:

Time-Warner Entertainment-
Advance/Newhouse Partnership
Attn: Division President
6005 Fair Lakes Road
East Syracuse, New York 13057
Phone: (315) 634-6000
Fax: (315) 463-8020

Notices shall be deemed effective upon receipt. Either party may change any recipient for Notices upon ten (10) days written Notice to the other party.

XVII. PUBLIC, EDUCATIONAL AND GOVERNMENTAL ACCESS CHANNELS

Company shall comply with the minimum standards for public, educational and governmental ("PEG") access channels, as set forth in §595.4 of the Rules of the NYSPSC.

XVIII. SERVICE TO PUBLIC FACILITIES

At the request of the City, the Company shall provide and maintain, at no cost to the City, a single service outlet and basic service to any school, police station, firehouse and municipally owned building which is occupied for governmental purposes, provided the connection point is no further than two hundred feet (200') from the closest feeder line of the Cable System. All such connections shall be above ground except where all utility lines and cables in the area are underground. The City shall not extend such service to additional outlets, without the express written consent of the Company.

In the event the connection point is further than two hundred feet (200') from the closest feeder line of the Cable System or requires an underground installation or if more than one outlet is requested, the Company may charge the City for the applicable construction or work.

XIX. FRANCHISE AREA AND LINE EXTENSION

Company shall comply with the requirements for construction of cable television plant and provision of cable television services as set forth in Section 595.5 of the Rules of the NYSPSC.

XX. ADDITIONAL SUBSCRIBER SERVICES

(a.) Payment for cable television service rendered to subscribers is due and payable in advance. A late charge, as determined by Company, may be applied to accounts more than thirty (30) days late.

(b.) Payment for equipment provided by Company to subscribers and the installation, repairs, and removal thereof shall be paid in accordance with Company's standards and customary practices and applicable rules and regulations of the FCC.

(c.) Company shall have the right to disconnect delinquent subscribers and charge subscribers a disconnection charge as determined by Company, where:

(1) At least five (5) days have elapsed after written notice of discontinuance has been served personally upon a subscriber; or

(2) At least eight (8) days have elapsed after mailing to the subscriber written notice of discontinuance addressed to such person at the premises where the service is rendered.

(d.) Notice of Company's procedures for reporting and resolving billing disputes and Company's policy and the subscriber's rights in regard to "personally identifiable information", as that term is defined in §631 of the Telecommunications Act, will be given to each subscriber at the time of such person's initial subscription to the cable television system services, and thereafter to all subscribers as required by Federal of State law.

(e.) Company shall offer to, and shall notify in writing, the subscribers of the availability of locking program control devices which enable the subscriber to limit reception of obscene or indecent programming in the subscriber's residence. Any subscriber requesting such device shall pay Company in full upon receipt of the same charge to new subscribers at the time of installation and thereafter to all subscribers as required by Federal or State law.

(f.) In accordance with the applicable requirements of Federal and State laws, Company shall provide written notice of any increases in rates or charges for any cable television service.

(g.) The Administrator, as the case may be, for the City for this Franchise shall be the Mayor of the City, or his designee. The Administrator is responsible for the continuing administration of the Franchise on behalf of the City.

(h.) It is agreed that all cable television service offered to any subscriber under this Agreement shall be conditioned upon Company having legal access to any such subscriber's dwelling units or other units wherein such service is provided.

(i.) Company shall comply with the Customer Service Protection Standards set forth in §§ 590 and 596 of the Rules and Regulations of the NYSPSC and federal law.

(j.) At least two times annually, Company shall provide notice to each subscriber of its procedures for reporting and resolving subscriber complaints.

XXI. GUARANTEE OF PERFORMANCE

In view of the fact that Company has already constructed its cable system, Company shall post with the City a security deposit in the amount of one dollar ($1.00) in compliance with the rules of the NYSPSC.

XXII. RIGHT TO INSPECT

Upon reasonable notice and during normal business hours, City, or a duly authorized agent or designee of City, shall have the right to inspect all pertinent books, records, maps, plans, financial statements and other like materials of Company to ensure that Company is properly meeting its obligations and commitments required under this Agreement. In the event that said inspection results in the City, or a duly authorized agent or designee of City, discovering a discrepancy or error in Company's books, records, maps, plans, financial statements and other like materials that adversely affect the City's rights under this Agreement, the City shall cause written notice be given to Company, which shall set forth, among other things: (a.) a description of the discrepancy or error; (b.) a reasonable period of time for Company to correct said discrepancy, such reasonable time to be agreed to by the parties; and (c.) Company's ability to challenge the City's claim of discrepancy or error, permitting the Company the chance to present evidence in its defense. Failure to correct a discrepancy or error may result in the City revoking the Franchise granted hereunder subject to §12 of this Agreement.

XXIII. MISCELLANEOUS

(a.) WAIVER--The City and the Company agree that any waiver by either at any time of any right relating to this Agreement shall not be deemed a waiver of the same or similar right at a subsequent time. The failure of either party to seek redress for violation

of or to insist upon the strict performance of any covenant or condition of this Agreement shall not prevent a subsequent act, which would have originally constituted a violation, from having the effect of any original violation.

(b.) FORCE MAJEURE-- Any failure, other than payments due to the City under this Agreement, of either party to perform its obligations under this Agreement shall not be a breach of this Agreement to the extent such failures results from Acts of God (including fires, hurricanes, earthquakes, tornadoes, flooding, snow storms, severe thunderstorms or similar natural occurrences), war, riots and civil insurrection, outbreaks of hostilities, terrorist attack, states of emergency, governmental action, delay or inaction that did not result from wrongdoing by the party involved in such governmental action, supply shortages (including power, gasoline and other fuel shortages), omissions of third parties, when such omission did not occur due to action or inaction or the party failing to perform, labor disputes, shortages, strikes or walkouts or transportation delays, or similar occurrences beyond the reasonable control of the other party.

(c.) BINDING EFFECT-- This Agreement shall be binding upon, and shall inure to the benefit of the parties hereto and their permitted successors and assigns.

(d.) CONTROLLING LAW-- This Agreement shall be governed by and interpreted pursuant to the laws of the State of New York. The Company and the City shall at all times observe and comply with, and the provisions of this Agreement are subject to, all laws, ordinances, and regulations which in any manner affect the rights and obligations of the parties hereto under this Agreement, so long as such laws, ordinances or regulations remain in effect. No claim, demand, action, proceeding, arbitration, litigation, hearing, motion or lawsuit arising from or relating to this Agreement in any respect shall be commenced or prosecuted in any jurisdiction other than New York, with venue in Oneida County, and judgment, determination, finding or conclusion reached or rendered in any other jurisdiction shall be null and void between the parties to this Agreement.

(e.) MODIFICATION-- This Agreement may not be amended, changed or otherwise modified unless by written amendment of this Agreement and approved by the New York State Department of Public Service in accordance with laws of the State of New York.

(f.) SEVERABILITY-- If any section, subsection, sentence, clause, phrase or portion of this franchise is for any reason held invalid or unconstitutional by any court of competent jurisdiction or regulatory agency, such portion shall be deemed a separate, distinct and independent provision and such holding shall not affect the validity of the remaining portions of this franchise as renewed and amended.

(g.) ENTIRE AGREEMENT--This Agreement sets forth the entire Agreement of the parties with respect to the subject matter hereof and supersedes any prior agreements or understandings, except as otherwise provided herein.

(h.) REMEDIES-- The rights and remedies provided by this Agreement are cumulative and the use of any one right or remedy by any party shall not preclude or waive its right to sue on any or all other remedies. Said rights and remedies are given in addition to any other rights such party may have by law, statute, ordinance or otherwise, except as such remedies are expressly limited in this Agreement.

(i.) CONSTRUCTION-- The section, paragraph and other subpart headings in this Agreement are for reference and convenience only, and shall neither be deemed to be a party of nor modify, define, expand or limit any of the terms or provisions hereof.

(j.) CONSENTS--No consents or approval required of any party pursuant to this Agreement shall be unreasonably withheld or delayed.

(k.) NON-DISCRIMINATION--Company will not refuse to hire or employ, nor bar or discharge from employment, nor discriminate against any person in compensation or in terms, conditions or privileges of employment because of age, race, creed, color, national origin or sex.

Accepted and agreed to by the City of Rome, New York on this 10 day of July, 2003.

By: John J. Mazzaferro
Hon. John J. Mazzaferro,
Mayor

Accepted and agreed to by _____ on this ____ day of _____, 2003.

By: Mary L Cotter

Mary L. Cotter
(Printed Name)
President
(Position or Title)
Time Warner-Advance/Newhouse Partnership

STATE OF NEW YORK)
COUNTY OF ONEIDA) ss.:

On this 10 day of July, 2003, before me personally came John J. Mazzaferro, who being duly sworn, did depose and say that he resides in Rome, New York, that he is the Mayor of The City of Rome, a party described herein, and that he executed the within instrument and signed his name thereto.

ROMONA E. FIASCHETTI
Registration #01FI6069650
Notary Public State of New York
County of Oneida
My Commission Expires 2/11/06

Romona E Fiaschetti
Notary Public

STATE OF New York)
COUNTY OF Onondaga) ss.:

On this 21st day of July, 2003, before me personally came Mary L. Cotter, who being duly sworn, did depose and say that he resides in _____, that he is the _____ for Time Warner-Advance/Newhouse Partnership, and that he executed the within instrument and signed his name thereto.

_____
Notary Public

CORPORATION COUNSEL - CITY OF ROME, NEW YORK

CORPORATION COUNSEL - CITY OF ROME, NEW YORK

PURSUANT TO SECTION 171 OF THE ROME CITY CHARTER, I HEREBY CERTIFY THAT THE CITY OFFICER WHO ENACTED THE SUBJECT CONTRACT ON BEHALF OF THE CITY OF ROME HAD AUTHORITY AND POWER TO SO ACT AND THAT SUCH CONTRACT IS IN PROPER FORM AND PROPERLY EXECUTED.

THE CITY OF ROME, NEW YORK

BY _____

JAMES S. RIZZO,
CORPORATION COUNSEL

WAIVE RULE SIX

COMMON COUNCIL OCTOBER 1, 2002

ORDINANCE NO. 7614 WR 6*

AUTHORIZING THE RENEWAL OF THE CABLE TELEVISION FRANCHISE OF TIME-WARNER-ADVANCE/NEWHOUSE PARTNERSHIP WITHIN THE CITY OF ROME.

By Councilor Petty:

WHEREAS, the Rome City Common Council previously granted a cable television franchise to NewChannels Corporation ("Rome NewChannels") and its permitted assigns and successors, on November 12, 1991, amended January 11, 1995, which permitted Rome NewChannels to utilize the City of Rome's rights-of-way to conduct the business of providing cable television programming and services to subscribers within the City of Rome, New York; and

WHEREAS, the Rome City Council authorized the transferal and assignment of the NewChannels Corporation Franchise to Time-Warner Advance/Newhouse Partnership ("Time Warner"), a general partnership organized and existing under the laws of the State of New York, and

WHEREAS, pursuant to the Rules and Regulations of the New York State Public Service Commission, the term of the franchise previously granted on November 12, 1991 was ten (10) years, which caused said franchise to expire on November 12, 2001; and

WHEREAS, pursuant to the City of Rome Charter, the Federal Communications Act of 1934, as amended (the "Communications Act") and the rules and regulations of the New York State Public Service Commission and other applicable State law, the Common Council has the authority to grant cable television franchises and renewals thereof on behalf of the City; and

WHEREAS, the City has conducted negotiations with Time-Warner and has conducted one or more public hearings on Time-Warner's franchise renewal proposal, affording all interested parties due process, including notice and the opportunity to be heard; said deliberations included consideration and approval of Time-Warner's technical ability, financial condition and character; said public hearing also affording consideration and approval of Time-Warner's future technical ability, financial condition and character; said public hearing also included consideration and approval of Time-Warner's plans for constructing and operating cable television system; and

WHEREAS, the Common Council pursuant to its review and public hearing have determined that said franchise agreement and Time-Warner, respectively, fulfill and will fulfill the needs of the City with respect to cable television service and same comply with the standards and requirements of the New York State Public Service Commission ("NYPSC"); now, therefore

BE IT ORDAINED, by the Common Council of the City of Rome, New York that the franchise previously granted to Rome NewChannels, and currently possessed by its assignee Time-Warner, be hereby renewed for a term of ten (10) years commencing on the later of execution of the parties or on the date the New York State Public Service Commission issues the Certificate of Confirmation for said Franchise Agreement, and

BE IT FURTHER ORDAINED, that the Common Council does approve, among other items and conditions, the increase in franchise fee chargeable to Time-Warner Advance Newhouse from three percent (3%) to five percent (5%) of gross revenues, and

BE IT FURTHER ORDAINED, that the Common Council does further approve, among other items and conditions in said agreement, the ability to amend the franchise fee in an amount not to exceed a total franchise fee of five percent (5%) of Time-Warner's gross revenues, at anytime during the ten (10) year term of the franchise and upon sixty (60) days notice to Time-Warner.

Seconded by Councilor Bellacosa
By Councilor Barry

RESOLVED, that the unanimous consent of this Common Council be, and the same hereby is given to the consideration of Ordinance No. 7614.

Seconded by Councilor Johnson

AYES: Johnson, Bellacosa, Petty, Fusco, Murphy, Barry, DiMarco
NOES: None

Motion to Waive Rule Six by Barry, seconded by Johnson and so ordered October 1, 2002
Motion to TABLE by Petty, seconded by Murphy
AYES: Johnson, Bellacosa, Petty, Fusco, Murphy, DiMarco
NOES: Barry
And so ordered October 1, 2002
Motion to Remove from TABLE by Petty, seconded by Bellacosa * AYES: Johnson, Bellacosa, Petty, Fusco, Barry, DiMarco * NOES: Murphy and so ordered October 9, 2002

ORDINANCE NO. 7614
AYES: Johnson, Bellacosa, Petty, Barry, DiMarco
NOES: Fusco, Murphy
ADOPTED: OCTOBER 9, 2002

BOARD OF ESTIMATE AND CONTRACT OCTOBER 1, 2002

RESOLUTION NO. 250 ADOPTED

AUTHORIZING THE RENEWAL OF THE CABLE TELEVISION FRANCHISE OF TIME-WARNER-ADVANCE/NEWHOUSE PARTNERSHIP WITHIN THE CITY OF ROME.

By Nash:

WHEREAS, the Rome City Common Council previously granted a cable television franchise to NewChannels Corporation ("Rome NewChannels") and its permitted assigns and successors, on November 12, 1991, amended January 11, 1995, which permitted Rome NewChannels to utilize the City of Rome's rights-of-way to conduct the business of providing cable television programming and services to subscribers within the City of Rome, New York, and

WHEREAS, the Rome City Council authorized the transferal and assignment of the NewChannels Corporation Franchise to Time-Warner Advance/Newhouse Partnership, a general partnership organized and existing under the laws of the State of New York, and

WHEREAS, pursuant to the Rules and Regulations of the New York State Public Service Commission, the term of the franchise previously granted on November 12, 1991 was ten (10) years, which caused said franchise to expire on November 12, 2001, and

WHEREAS, pursuant to the City of Rome Charter, the Board of Estimate and Contract must approve any cable television franchises and renewals thereof on behalf of the City, and

WHEREAS, the City has conducted negotiations with Time-Warner and has conducted one or more public hearings on Time-Warner's franchise renewal proposal, affording all interested parties due process, including notice and the opportunity to be heard; said deliberations included consideration and approval of Time-Warner's technical ability, financial condition and character; said public hearing also affording consideration and approval of Time-Warner's future technical ability, financial condition and character; said public hearing also included consideration and approval of Time-Warner's plans for constructing and operating cable television system, and

WHEREAS, the Board of Estimate and Contract pursuant to its review, has determined that said franchise agreement and Time-Warner, respectively, fulfill and will fulfill the needs of the City with respect to cable television service and same comply with the standards and requirements of the New York State Public Service Commission ("NYPSC"), now, therefore,

BE IT RESOLVED, by the Board of Estimate and Contract of the City of Rome, New York that the franchise previously granted to Rome NewChannels, and currently possessed by its assignee Time-Warner, be hereby renewed for a term of ten (10) years commencing on the later of execution of the parties or on the date the New York State Public Service Commission issues the Certificate of Confirmation for said Franchise Agreement, and

BE IT FURTHER RESOLVED, that the Board of Estimate and Contract does approve, among other items and conditions, the increase in franchise fee chargeable to Time-Warner Advance Newhouse from three percent (3%) to five percent (5%) of gross revenues, and

BE IT FURTHER RESOLVED, that the Board of Estimate and Contract does further approve, among other items and conditions in said agreement, the ability to amend the franchise fee in an amount not to exceed a total franchise fee of five percent (5%) of Time-Warner's gross revenues, at anytime during the ten (10) year term of the franchise and upon sixty (60) days notice to Time-Warner.

Seconded by Rizzo

Motion to table by Comis, seconded by Rizzo and so ordered October 1, 2002.
Motion to remove from table by Rizzo, seconded by Nash and so ordered October 11, 2002.
AYES: Mayor Griffo,Mazzaferro,Comis,Nash,Rizzo

ADOPTED: October 11, 2002

CITY CLERK
Jeanette D. Reid

DEPUTY CITY CLERK
Louise S. Glasso

OFFICE OF THE CITY CLERK
CITY HALL
ROME, NEW YORK 13440

STATE OF NEW YORK
COUNTY OF ONEIDA
CITY OF ROME

I JEANETTE D. REID, CITY CLERK OF THE CITY OF ROME, NEW YORK, DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE COPY OF THE ADVERTISING THAT APPEARED IN THE ROME DAILY SENTINEL ON April 30, 2002.

WITNESS BY HAND AND OFFICIAL SEAL OF THE CITY OF ROME, NEW YORK JULY 10, 2003.

Jeanette D. Reid
JEANETTE D. REID
CITY CLERK

(SEAL)

STATE OF NEW YORK, } SS:
COUNTY OF ONEIDA. }

Joseph M. Entelisano

being sworn, says he is, and during the time hereinafter mentioned, was Advertising director of the DAILY SENTINEL, a newspaper printed and published in the County of Oneida, aforesaid; and that the annexed printed Notice was inserted and published in said Newspaper once/ commencing

on the 30 day of April, 2002

to wit: April 30

April 30, 2002

Joseph M. Entelisano

Sworn to before me this

30 day of April, 2002

Linda Weaver
Notary Public in the State of New York
Appointed in Oneida County
My Commission Expires September 30, 2005

Linda Weaver
Notary Public

PUBLIC HEARING NOTICE
Req. No. 96543

NOTICE IS HEREBY GIVEN, that in accordance with Resolution No. 64A adopted April 24, 2002, the Common Council of the City of Rome, New York will hold a Public Hearing on the 8th day of May, 2002 at 7:00 P.M. local time, in the Common Council Chambers, City Hall, Rome, New York regarding the renewal of a franchise agreement between the City of Rome and Time-Warner-Advance/Newhouse Partnership for the provision of cable television services within the City of Rome, at which time all interested parties will be heard hereon.

Dated: April 25, 2002

Jeanette D. Reid
City Clerk

4/30—1ti

COMMON COUNCIL
CITY OF ROME, NEW YORK

PROCEEDINGS

PUBLIC HEARING NOTICE

NOTICE IS HEREBY GIVEN, that in accordance with Resolution No. 64A adopted April 24, 2002, the Common Council of the City of Rome, New York will hold a Public Hearing on the 8th day of May, 2002 at 7:00 P.M. local time, in the Common Council Chambers, City Hall, Rome, New York regarding the renewal of a franchise agreement between the City of Rome and Time-Warner-Advance/Newhouse Partnership for the provision of cable television services within the City of Rome.,

at which time all interested parties will be heard hereon

Jeanette D. Reid
City Clerk

Rome Sentinel Co.
To Appear: April 30, 2002
Dated: April 25, 2002
One (1) Time

SPEAKERS:
Fred Norman – 1811 N. George St.- Not in favor of fee
Pete Robinson – 611 Turin St. – Agree with Fred – information attached
George Kiskiel – 104 S. Charles St. – Against fee
Charles Vinneau – S. James St. – Sr. Citizen – Against fee
James Mott – 614 N. George St. – Time Warner – Explained the fee

COMMON COUNCIL MEETING **MAY 8, 2002**
PROCEEDINGS **7:30PM**

PRESENT: Johnson, Bellacosa, Petty, Fusco, Murphy, Barry, DiMarco

PLEDGE OF ALLEGIANCE.

INVOCATION by President Mazzaferro

GENERAL PUBLIC HEARING.
Edward Ratazzi – Exec. Dir. RIDC – 139 W. Dominick St. re: General Cable supports the Ord. regarding donation of money.
Wm. K. Guglielmo – 621 Floyd Ave. – Pres. Chamber – Opposes Lighting Ord.

READING OF THE MINUTES OF THE PRECEDING SESSION.
Motion by Johnson, seconded by Murphy that the reading of the minutes of the preceding session be dispensed with and that they be approved.

COMMON COUNCIL APRIL 24, 2002

RESOLUTION NO. 64A

AUTHORIZING THE CITY CLERK TO ADVERTISE NOTICE OF A PUBLIC HEARING REGARDING THE RENEWAL OF A FRANCHISE AGREEMENT BETWEEN THE CITY OF ROME AND TIME-WARNER-ADVANCE/NEWHOUSE PARTNERSHIP.

By Councilor Johnson:

BE IT RESOLVED, pursuant to New York State Public Service Commission Rules and Regulations, the Common Council of the City of Rome, New York does hereby authorize the City Clerk to advertise notice of a public hearing regarding the renewal of a franchise agreement between the City of Rome and Time-Warner-Advance/Newhouse Partnership for the provision of cable television services within the City of Rome, said public hearing to be held on the 8th day of May, 2002, at 7:00 p.m., in the Common Council Chambers, City Hall, Rome, New York, at which time all interested persons will be heard thereon.

Seconded by Councilor Bellacosa

Motion by Bellacosa to insert date & time of public hearing, seconded by Johnson and so ordered April 24, 2002.

AYES: Johnson, Bellacosa, Petty, Fusco, Murphy, Barry, DiMarco
NOES: None
ADOPTED: APRIL 24, 2002

State of New York
County of Oneida } **ss:**

Joseph M. Entelisano
being sworn, says he is, and during the time hereinafter mentioned, was Advertising Director of the DAILY SENTINEL, a newspaper printed and published in the County of Oneida, aforesaid; and that the annexed printed Notice was inserted and published in said Newspaper once/ commencing

on the 22ND day of JULY, 200 3

to wit: JULY 21,29 2003

JULY 29, 200 3

Joseph M. Entelisano

Sworn to before me this 29TH day of JULY, 200 3

Linda Weaver
Notary Public

Linda Weaver
Notary Public in the State of New York
Appointed in Oneida County
My Commission Expires September 30, 2005

LEGAL NOTICE

PLEASE TAKE NOTICE THAT Time Warner Entertainment Advance/ Newhouse Partnership, a New York general partnership organized and existing under the laws of the State of New York d/b/a Time Warner Cable, has filed an application for renewal of its Certificate of Confirmation and Cable Television Franchise in the City of Rome, Oneida County, New York, with the New York State Public Service Commission.

The application is available for public inspection at the offices of the New York State Public Service Commission and at the office of the Clerk of the City of Rome, Rome City Hall, 198 North Washington, Rome, New York 13440, during normal business hours.

Any interested persons may file comments on the application with the New York Public Service Commission, Three Empire State Plaza, Albany, New York 12223.

TIME WARNER CABLE-
SYRACUSE DIVISION
7/22, 29—2ti

APPLICATION FOR RENEWAL OF FRANCHISE
OR CERTIFICATE OF CONFIRMATION
(Form R-2):

1. The exact legal name of applicant is :

Time-Warner Entertainment-Advance/Newhouse Partnership

2. Applicant does business under the following name or names:

Time Warner Cable - Syracuse Division

3. Applicant's mailing address is:

6005 Fair Lakes Road

P.O. Box 4733

East Syracuse, NY 13221

4. Applicant's telephone number(s) is (are):

(315) 463-2288 Time Warner Cable
6005 Fair Lakes Road
East Syracuse, NY 13057

(315) 337-1120 Time Warner Cable
1117 Erie Blvd. W.
Rome, NY 13440

5. (a) This application is for the renewal of operating rights in the

City of Rome - Oneida County
(Municipality & County)

(b) Applicant serves the following additional municipalities from the same headend or from a different headend but in the same or adjacent county:

See Attached List (Exhibit 1)

6. The number of subscribers in each of the municipalities noted above is:

- Primary residential connections	See Question #5(b)
- Secondary residential connections	N/A
- Residential pay-cable subscriptions	N/A
- Commercial connections	N/A
- Other	N/A

7. The following signals are regularly carried by the applicant's cable system (where signals are received other than by direct off-air pickup, please so indicate):

See Attached Channel Line-Up Card (Exhibit A)

8. Applicant does __X__ does not _____ provide channel capacity and/or production facilities for local origination. If answer is affirmative, specify below the number of hours of locally originated programming carried by the system during the past twelve months and briefly describe the nature of the programming:

Applicant has carried over 100 hours of locally originated programming of various types, including PEG Access.

9. The current monthly rates for service in the municipality specified in Question 5(a) are:

- Primary residential connections	See Attached Rate Card (Exhibit A)
- Secondary residential connections	See Attached Rate Card (Exhibit A)
- Pay-cable subscriptions	See Attached Rate Card (Exhibit A)
- Commercial connections	See Attached Rate Card (Exhibit A)
- Other	See Attached Rate Card (Exhibit A)

10. How many miles of new cable television plant were placed in operation by applicant during the past twelve months in the municipality specified in Question 5(a)? 0.0 miles
In the municipalities specified in Question 5(b)? See Attached List (Exhibit 2)

11. State and describe below any significant achievements and/or improvements that took place with respect to system operation during the past twelve months:

n/a

12. Indicate whether applicant has previously filed with the NYS Department of Public Service its:

(a) Current Statement of Assessment pursuant to Section 217 Chapter 83?
X Yes _____ No

(b) Current Annual Financial Report? X Yes _____ No

If answer to any of the above is negative, please explain:

N/A

13. Has any event or change occurred during the past twelve months which has had, or could have, a significant impact upon applicant's ability to provide cable television service? If so describe below:

No event or change has occurred during the past twelve months which has had, or could have, a significant impact upon applicant's ability to provide cable television services.

WHEREFORE, the applicant, Time Warner Cable, requests that the New York State Public Service Commission grant this application and approve the City of Rome Certificate of Confirmation and Franchise Agreement.

Mary L. Cotter
President
Time Warner Cable - Syracuse Division

Dated: July 21, 2003

Please attach a copy of applicant's current annual performance test.

STATE OF NEW YORK)
) S.S.:
COUNTY OF ONONDAGA)

MARY L. COTTER, being sworn, says:

1. I am President of the Syracuse Division of Time Warner Cable and I am familiar with the business operations of the Company

2. This application was prepared by me or under my direct supervision.

3. All of the statements and information contained herein are true and accurate to the best of my knowledge and belief.

Mary L. Cotter

Sworn to before me this

21st day of July, 2003

Notary Public

Gary J. Corbett
Notary Public, State of New York
No. 01C04700481
Qualified in Onondaga County
My Commission Expires March 31, 2006

EXHIBIT A

EXHIBIT B

CURRENT ANNUAL PERFORMANCE TEST

R. Strong

FCC PROOF OF PERFORMANCE TEST

Rome/Oneida

TIME WARNER CABLE SYRACUSE DIVISION

January / February 2003

TIME WARNER CABLE -- SYRACUSE DIVISION

System Name:	**Rome / Oneida**
System Test Point #	7
Hub Name:	Oneida
Location / Community:	Pratt Drive, Oneida
Map Number:	470-5652
Pole Number:	NM 7
D.T. Value:	20/2
OR Number:	879
GNA Cascade:	7
LE Cascade:	0

TIME WARNER CABLE -- SYRACUSE DIVISION

Visual Carrier Level
Visual / Aural Level Difference
(at Test Point, at The End of a 100' Drop)

System Name: Rome / Oneida
Test Location. Pratt Drive, Oneida
Date : January 7, 2003
Time : 15:40

Chan	Freq (MHz)	Visual Level (dbmv)		Aural Level (dbmv)	SC S	Diff (Dbmv)		Chan	Freq (MHz)	Visual Level (dbmv)		Aural Level (dbmv)	SC S	Diff (Dbmv)	
2	55.2500	14.8		1.3		13.5		DD(40)	319.2625	18.0		4.1		13.9	
3	61.2500	15.5		2.0		13.5		EE(41)	325.2625	17.0		4.1		12.9	
4	67.2500	15.2		1.9		13.3		FF(42)	331.2750	17.4		4.6		12.8	
5	77.2500	15.7		3.2		12.5		GG(43)	337.2625	19.1		7.1	S	12.0	
6	83.2500	15.5		2.9		12.6		HH(44)	343.2625	18.4		4.3		14.1	
A-5(95)	91.2500	15.7		1.4	S	14.3		II(45)	349.2625	18.7		6.5	S	12.2	
A-4(96)	97.2500	15.0		0.2		14.8		JJ(46)	355.2625	18.0		4.4		13.6	
A-3(97)	103.2500	N/A		N/A		N/A		KK(47)	361.2625	17.7		4.4		13.3	
A-2(98)	109.2750	N/A		N/A		N/A		LL(48)	367.2625	18.0		4.2		13.8	
A-1(99)	115.2750	15.7		2.6		13.1		MM(49)	373.2625	17.3		3.2		14.1	
A(14)	121.2625	15.2		4.0		11.2		NN(50)	379.2625	17.5		4.5		13.0	
B(15)	127.2625	16.0		2.7		13.3		OO(51)	385.2625	17.3		4.3	S	13.0	
C(16)	133.2625	15.9		3.0		12.9		PP(52)	391.2625	18.0		4.8	S	13.2	
D(17)	139.2500	16.1		3.3	S	12.8		QQ(53)	397.2625	17.6		4.1	S	13.5	
E(18)	145.2500	16.7		3.2		13.5		RR(54)	403.2500	16.9		4.1	S	12.8	
F(19)	151.3210	15.0		1.2		13.8		SS(55)	409.2500	17.0		3.7	S	13.3	
G(20)	157.2500	16.6		2.4		14.2		TT(56)	415.2500	16.6		6.2		10.4	
H(21)	163.2500	16.4		2.9		13.5		UU(57)	421.2500	16.0		4.2		11.8	
I(22)	169.2500	17.1		3.4		13.7		VV(58)	427.2500	15.9		1.8		14.1	
7	175.2500	17.4		4.4		13.0		WW(59)	433.2500	16.1		1.6	S	14.5	
8	181.2500	17.3		3.8		13.5		XX(60)	439.2500	16.2		0.4	S	15.8	
9	187.2500	17.2		2.8		14.4		YY(61)	445.2500	16.4		3.5	S	12.9	
10	193.2500	16.9		3.4		13.5		ZZ(62)	451.2500	16.4		3.6	S	12.8	
11	199.2500	16.8		3.1		13.7		63	457.2500	16.8		2.1	S	14.7	
12	205.2500	16.8		4.4		12.4		64	463.2500	16.8		1.6	S	15.2	
13	211.2500	16.3		3.6		12.7		65	469.2500	16.9		2.2	S	14.7	
J(23)	217.2500	14.7		1.3	S	13.4		66	475.2500	17.1		2.2	S	14.9	
K(24)	223.2500	15.9		1.8		14.1		67	481.2500	17.1		3.1	S	14.0	
L(25)	229.2625	15.7		5.3		10.4		68	487.2500	17.1		3.6	S	13.5	
M(26)	235.2625	15.9		3.0		12.9		69	493.2500	17.9		3.7	S	14.2	
N(27)	241.2625	15.8		1.7		14.1		70	499.2500	17.8		5.0	S	12.8	
O(28)	247.2625	16.5		3.2		13.3		71	505.2500	17.1		3.3	S	13.8	
P(29)	253.2625	16.1		2.3		13.8		72	511.2500	17.5		2.4	S	15.1	
Q(30)	259.2625	17.1		4.0		13.1		73	517.2500	17.2		4.2	S	13.0	
R(31)	265.2625	17.2		4.9		12.3		74	523.2500	16.8		2.9	S	13.9	
S(32)	271.2625	17.5		4.5		13.0		75	529.2500	17.2		2.0	S	15.2	
T(33)	277.2625	18.3		5.2		13.1		76	535.2500	16.9		3.5	S	13.4	
U(34)	283.2625	18.1		4.4		13.7		77	541.2500	16.0		2.3	S	13.7	
V(35)	289.2625	18.4		5.0		13.4		78	547.2500	16.8		3.3	S	13.5	
W(36)	295.2625	17.9		5.2		12.7		79	553.2500	N/A		N/A		N/A	
AA(37)	301.2625	18.2		3.9		14.3		80	559.2500	N/A		N/A		N/A	
BB(38)	307.2625	18.3		4.0		14.3		81	565.2500	N/A		N/A		N/A	
CC(39)	313.2625	18.3		4.6		13.7									

Min Channel :- J(23) 14.7
Max Channel :- GG(43) 19.1

PEAK TO VALLEY: 4.40

Test Point # 7

TIME WARNER CABLE -- SYRACUSE DIVISION

IN CHANNEL RESPONSE Test
CARRIER - TO - NOISE Test
COHERENT DISTURBANCES Test
LOW FREQUENCY DISTURBANCES Test

System Name: **Rome / Oneida**

Date: January 7, 2003

Test Performed By: Joel Marmon

Location: Pratt Drive, Oneida

Note: ***Make measurements through a 100 ft. test drop cable without converter.***

Channel Number	In Channel Response (+/- dB)	Carrier To Noise Ratio (dB)	Distortions (-dBc) CTB	CSO	HUM (%)
3	0.3	47.6	65.3	75.4	
19	0.3	48.3	63.2	77.7	
7	0.3	47.9	63.7	73.9	
31	0.3	48.8	61.4	71.8	
36	0.2	48.9	63.0	70.8	
43	0.3	49.6	61.6	72.3	
47	0.3	48.7	61.2	71.2	
55	0.4	48.6	60.7	66.4	
70	0.2	49.0	60.3	66.9	0.7

TIME WARNER CABLE -- SYRACUSE DIVISION

IN - CHANNEL FREQUENCY RESPONSE TEST

(76.605) (a) (6)

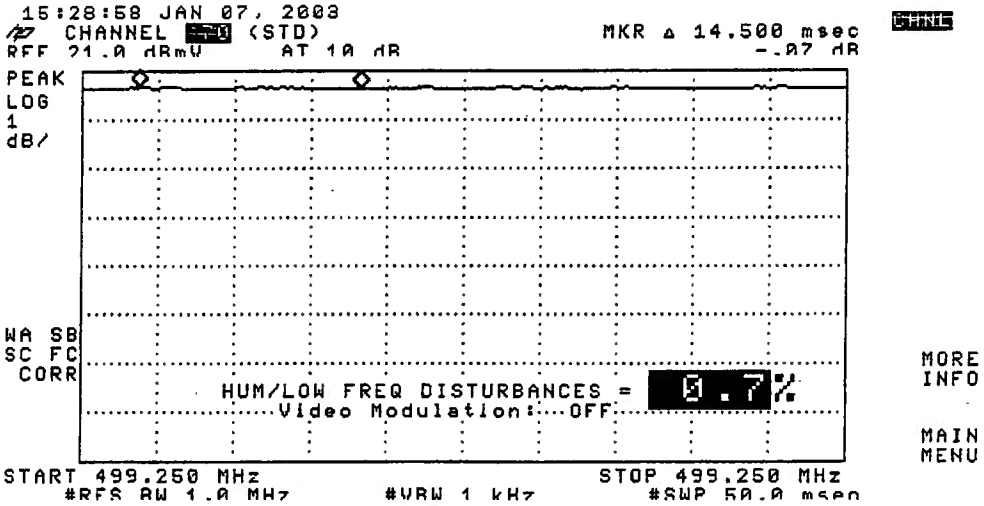
System Name: **Rome / Oneida**

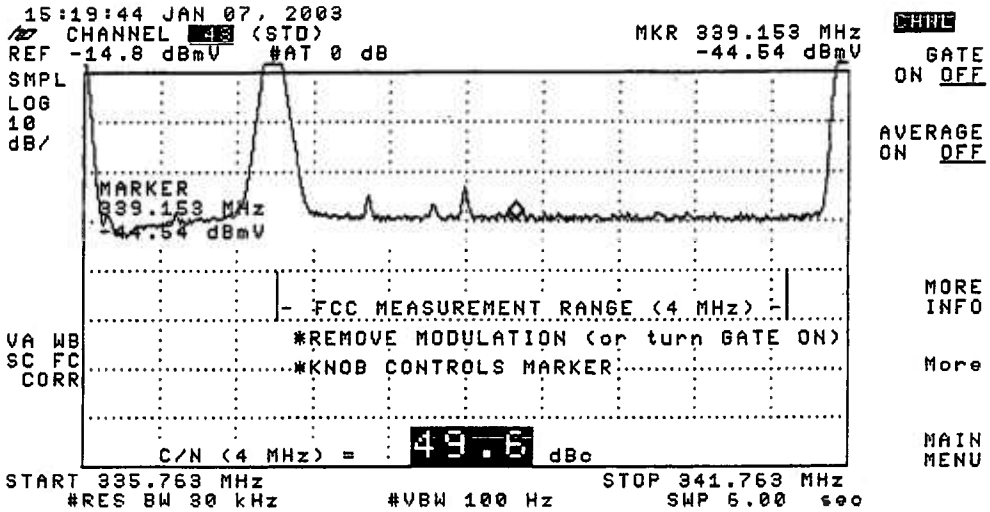
Date: 7-Jan-03

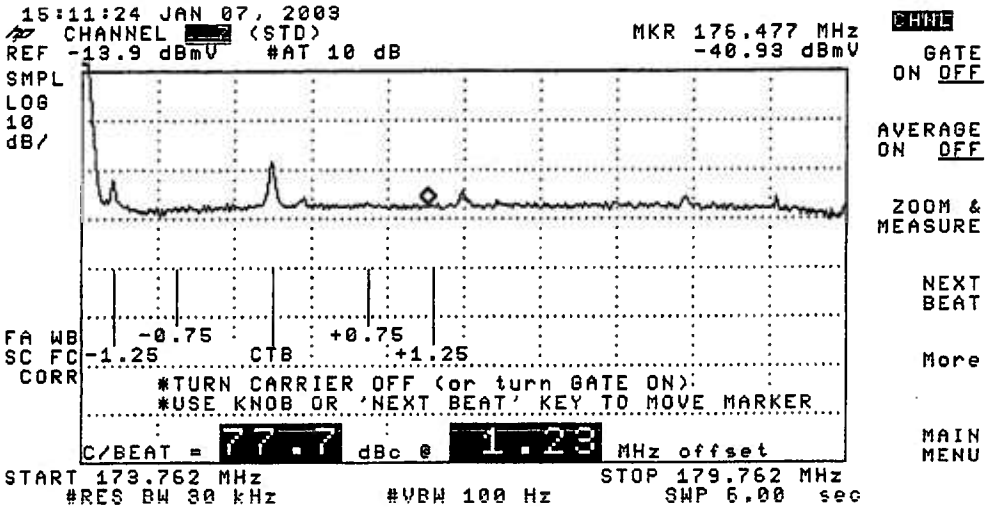
Test Performed By: Joel Marmon

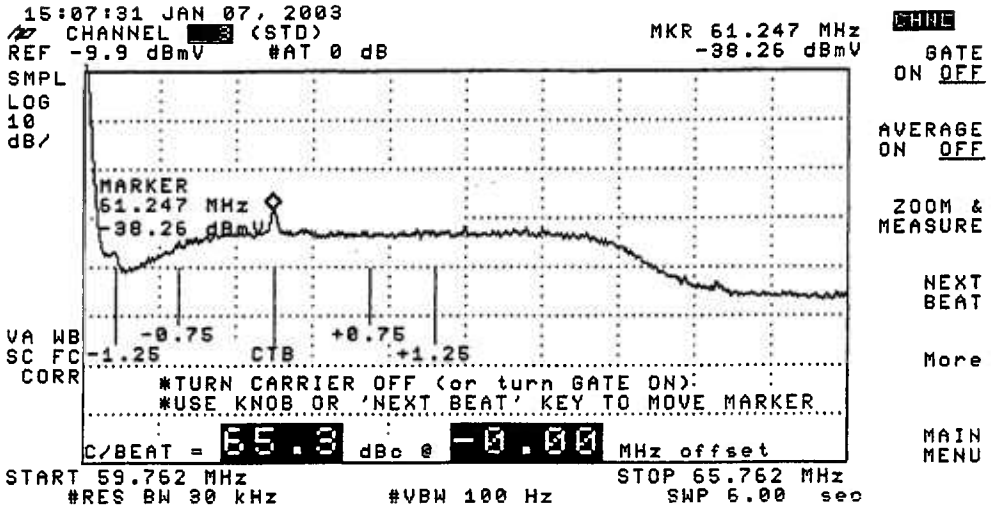
Location: Pratt Drive, Oneida

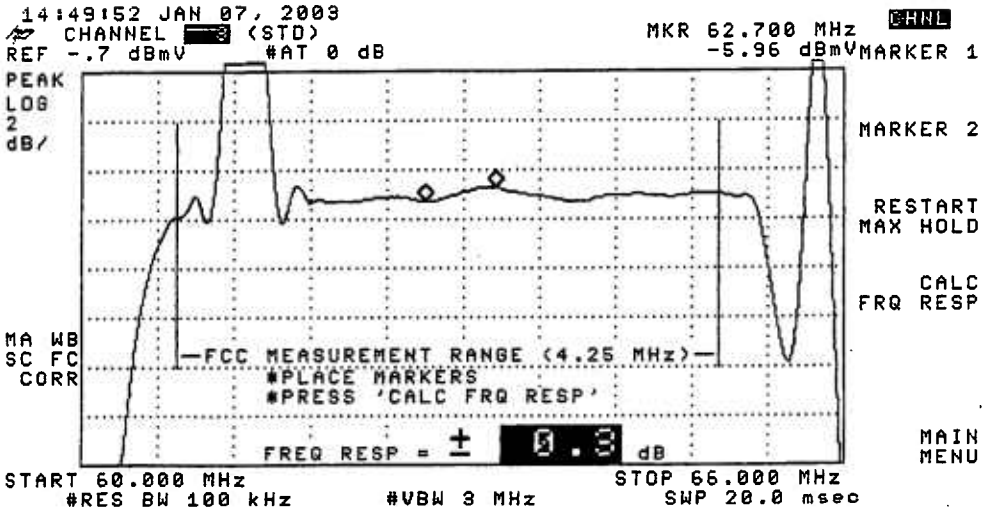
(SEE THE ATTATCHED SWEEP TRACES)

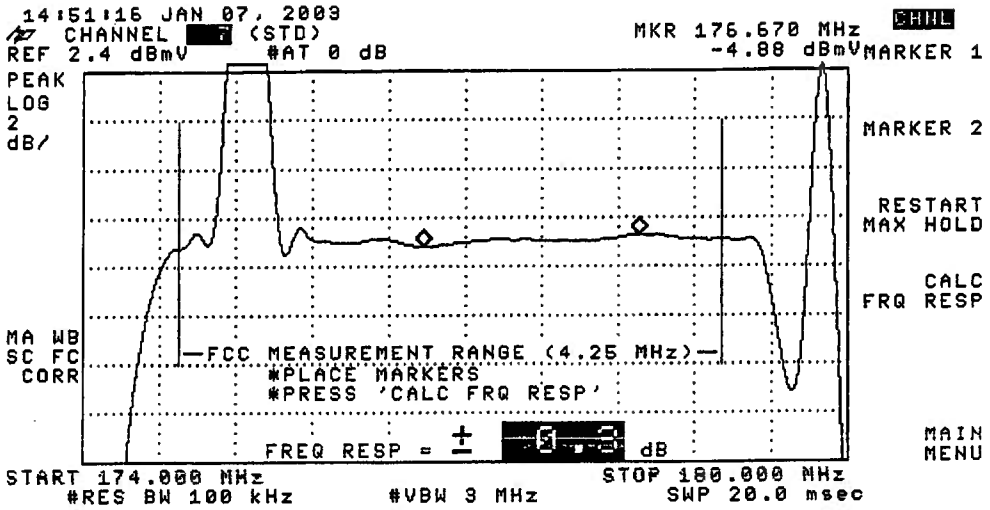

15:28:58 JAN 07, 2003
CHANNEL 21 (STD)
MKR Δ 14.500 msec
-.07 dB
PEAK
LOG
1
dB/
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = 0.7%
Video Modulation: OFF
MORE
INFO
MAIN
MENU
START 499.250 MHz
#RES BW 1.0 MHz
#VBW 1 kHz
STOP 499.250 MHz
#SWP 50.0 msec

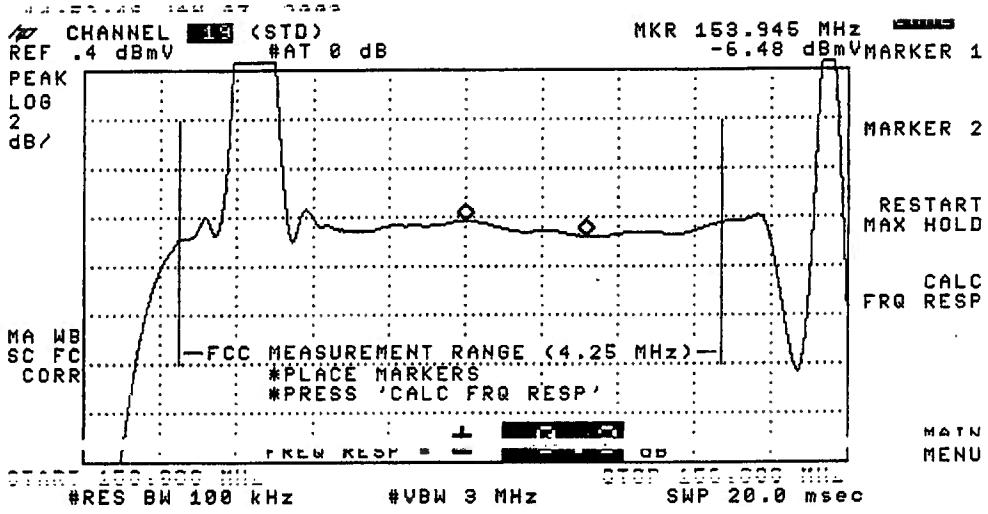

15:19:44 JAN 07, 2003
CHANNEL 43 (STD)
REF -14.8 dBmV
#AT 0 dB
MKR 339.153 MHz
-44.54 dBmV
CHAN
GATE
ON OFF
SMPL
LOG
10
dB/
AVERAGE
ON OFF
MARKER
339.153 MHz
-44.54 dBmV
MORE
INFO
- FCC MEASUREMENT RANGE (4 MHz) -
VA WB
SC FC
CORR
*REMOVE MODULATION (or turn GATE ON)
*KNOB CONTROLS MARKER
More
C/N (4 MHz) = 49.6 dBc
MAIN
MENU
START 335.763 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 341.763 MHz
SWP 5.00 sec

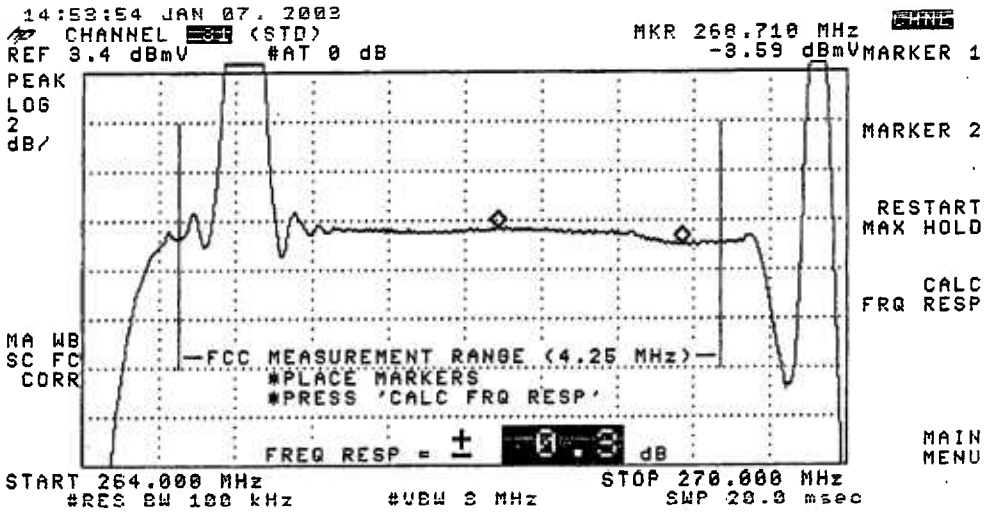

15:11:24 JAN 07, 2003
CHANNEL 2 (STD)
REF -13.9 dBmV #AT 10 dB
MKR 176.477 MHz
-40.93 dBmV
CHAN
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
NEXT
BEAT
More
MAIN
MENU
SMPL
LOG
10
dB/
FA WB
SC FC
CORR
-0.75
+0.75
-1.25
CTB
+1.25
*TURN CARRIER OFF (or turn GATE ON)
*USE KNOB OR 'NEXT BEAT' KEY TO MOVE MARKER
C/BEAT = 77.7 dBc @ 1.23 MHz offset
START 173.762 MHz
STOP 179.762 MHz
#RES BW 30 kHz
#VBW 100 Hz
SWP 6.00 sec

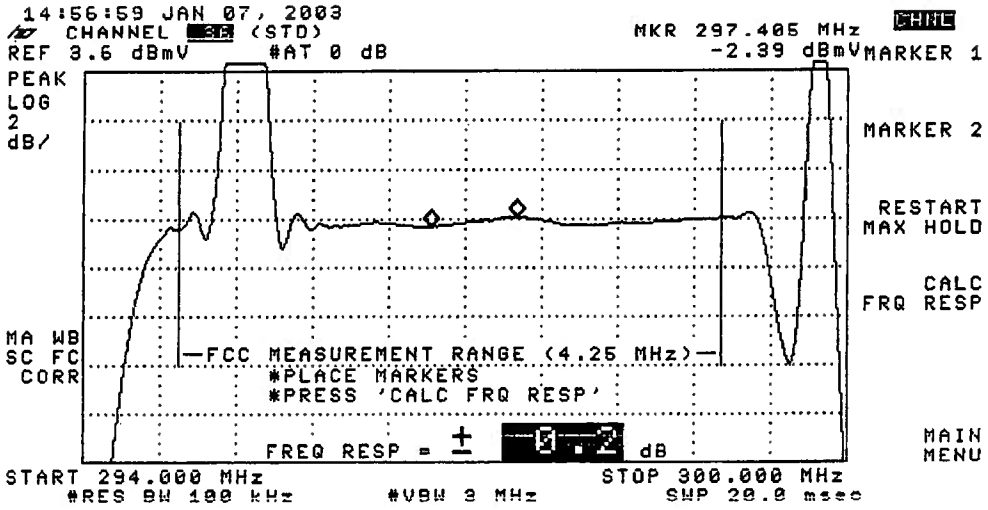

15:07:31 JAN 07, 2003
CHANNEL 3 (STD)
REF -9.9 dBmV
#AT 0 dB
MKR 61.247 MHz
-38.26 dBmV
CHNL
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
NEXT
BEAT
More
MAIN
MENU
SMPL
LOG
10
dB/
MARKER
61.247 MHz
-38.26 dBmV
VA WB
SC FC
CORR
-0.75
+0.75
-1.25
CTB
+1.25
#TURN CARRIER OFF (or turn GATE ON)
#USE KNOB OR 'NEXT BEAT' KEY TO MOVE MARKER
C/BEAT = 65.3 dBc @ -0.00 MHz offset
START 59.762 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 65.762 MHz
SWP 6.00 sec

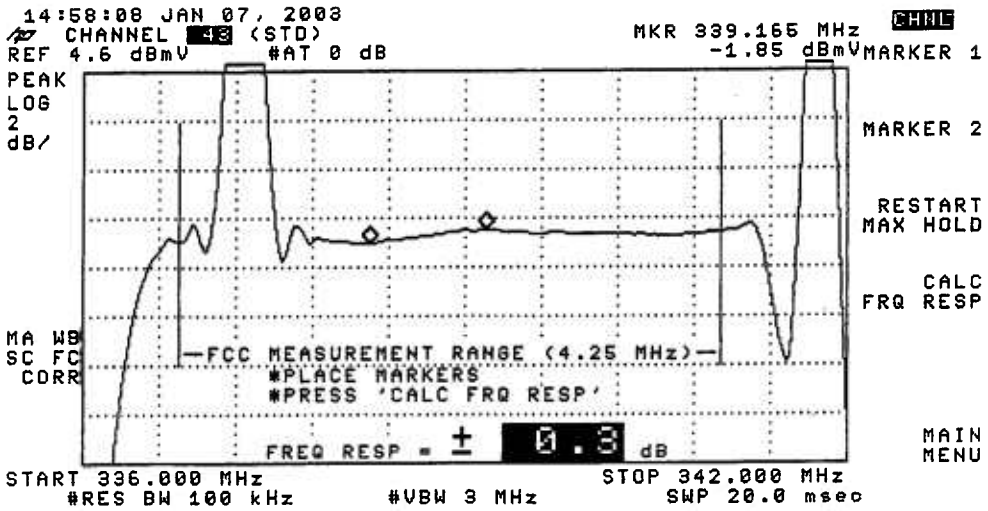

14:49:52 JAN 07, 2003
CHANNEL 3 (STD)
REF -.7 dBmV
#AT 0 dB
MKR 62.700 MHz
-5.96 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 60.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 66.000 MHz
SWP 20.0 msec

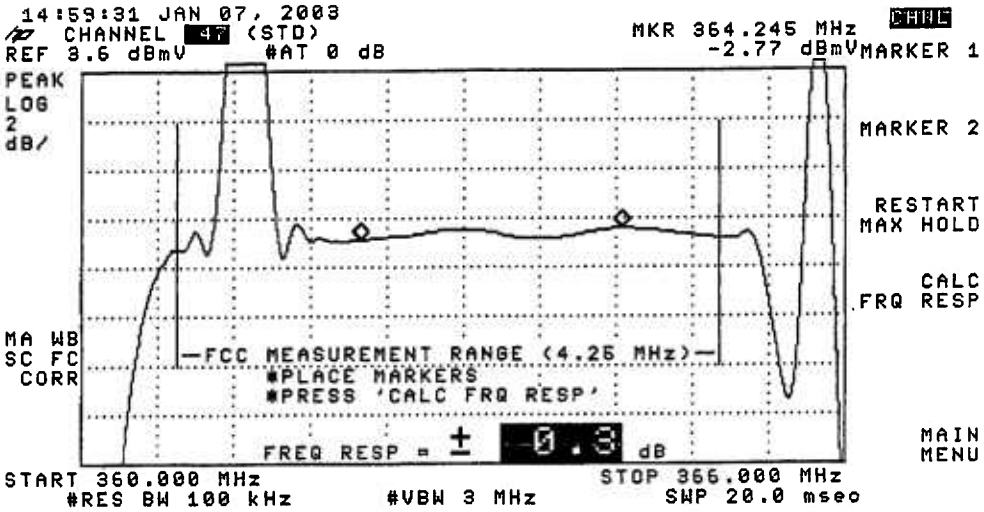

14:51:16 JAN 07, 2003
CHANNEL 7 (STD)
REF 2.4 dBmV
#AT 0 dB
MKR 176.670 MHz
-4.88 dBmV
CHBL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 6.3 dB
MAIN
MENU
START 174.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 180.000 MHz
SWP 20.0 msec

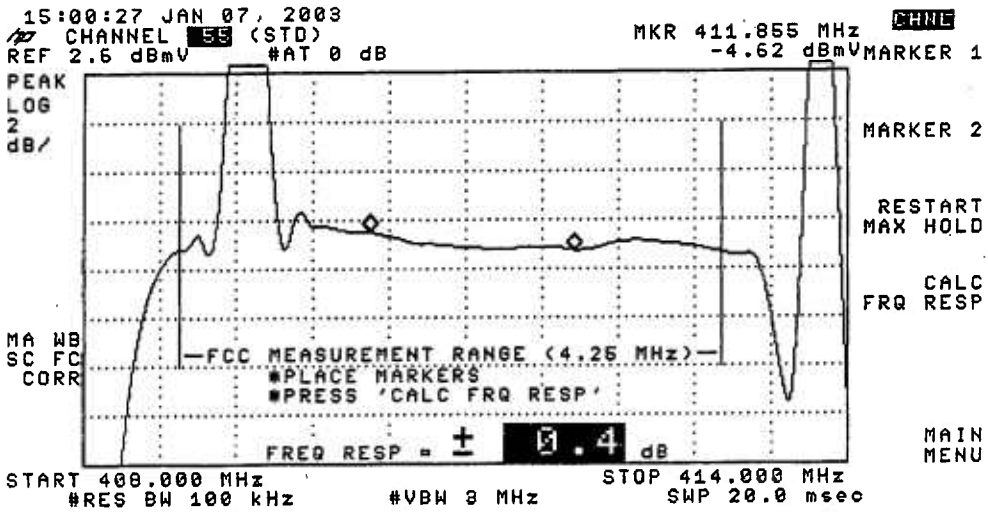

CHANNEL 19 (STD)
REF .4 dBmV
#AT 0 dB
MKR 153.945 MHz
-6.48 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
MAIN
MENU
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec

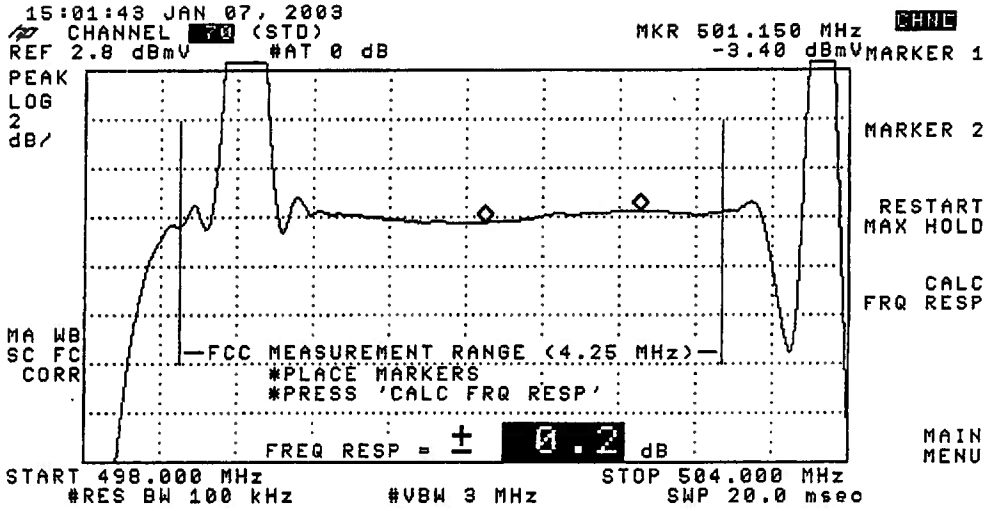

14:53:54 JAN 07, 2003
CHANNEL 34 (STD)
REF 3.4 dBmV
#AT 0 dB
MKR 268.710 MHz
-3.59 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 264.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 270.000 MHz
SWP 20.0 msec


14:56:59 JAN 07, 2003
CHANNEL 38 (STD)
MKR 297.405 MHz
-2.39 dBmV
CHNL
REF 3.6 dBmV
#AT 0 dB
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 294.000 MHz
STOP 300.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec


14:58:08 JAN 07, 2003
CHANNEL 43 (STD)
REF 4.6 dBmV
#AT 0 dB
MKR 339.165 MHz
-1.85 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 336.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 342.000 MHz
SWP 20.0 msec


14:59:31 JAN 07, 2003
CHANNEL 47 (STD)
REF 3.6 dBmV
#AT 0 dB
MKR 364.245 MHz
-2.77 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 360.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 366.000 MHz
SWP 20.0 mseo


15:00:27 JAN 07, 2003
CHANNEL 55 (STD)
REF 2.6 dBmV
#AT 0 dB
MKR 411.855 MHz
-4.62 dBmV
CHNG
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
•PLACE MARKERS
•PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 408.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 414.000 MHz
SWP 20.0 msec


15:01:43 JAN 07, 2003
CHANNEL 70 (STD)
REF 2.8 dBmV
#AT 0 dB
MKR 501.150 MHz
-3.40 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 498.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 504.000 MHz
SWP 20.0 msec

TIME WARNER CABLE - - SYRACUSE DIVISION

Visual Carrier Level Variation Test

System Name: Rome / Oneida

Test Point Location: Pratt Drive, Oneida

Date: January 7, 2003 **Performed by:** Joel Marmon

Meter Serial Number: US40306138

Chan	Freq (MHz)	Temp F 34	24	29	33	Max Var
		Time 15:40	21:40	3:40	9:40	
		Visual Level (dbmv)				
2	55.2500	14.8	15.3	15.4	14.9	0.6
3	61.2500	15.5	15.7	15.6	15.2	0.5
4	67.2500	15.2	15.4	15.3	15.0	0.4
5	77.2500	15.7	16.0	15.9	15.5	0.5
6	83.2500	15.5	15.7	15.9	15.3	0.6
A-5(95)	91.2500	15.7	16.1	15.9	15.6	0.5
A-4(96)	97.2500	15.0	15.4	14.9	14.5	0.9
A-3(97)	103.2500					
A-2(98)	109.2750					
A-1(99)	115.2750	15.7	16.4	16.2	15.6	0.8
A(14)	121.2625	15.2	16.2	15.1	15.5	1.1
B(15)	127.2625	16.0	15.9	16.1	15.9	0.2
C(16)	133.2625	15.9	16.1	16.1	15.7	0.4
D(17)	139.2500	16.1	16.6	16.4	16.1	0.5
E(18)	145.2500	16.7	17.1	17.1	16.8	0.4
F(19)	151.2500	15.0	15.3	15.0	14.9	0.4
G(20)	157.2500	16.6	17.0	17.0	16.5	0.5
H(21)	163.2500	16.4	16.6	16.8	16.1	0.7
I(22)	169.2500	17.1	17.6	17.2	16.8	0.8
7	175.2500	17.4	17.8	17.5	17.5	0.4
8	181.2500	17.3	17.7	17.7	17.1	0.6
9	187.2500	17.2	17.4	17.4	17.2	0.2
10	193.2500	16.9	17.3	17.2	16.8	0.5
11	199.2500	16.8	17.3	15.6	16.9	1.7
12	205.2500	16.8	17.0	16.7	16.5	0.5
13	211.2500	16.3	17.0	16.6	16.5	0.7
J(23)	217.2500	14.7	15.0	14.8	14.5	0.5
K(24)	223.2500	15.9	16.2	15.9	15.8	0.4
L(25)	229.2625	15.7	16.0	15.8	15.6	0.4
M(26)	235.2625	15.9	16.3	16.0	15.7	0.6
N(27)	241.2625	15.8	16.1	15.8	15.4	0.7
O(28)	247.2625	16.5	16.8	16.5	16.0	0.8
P(29)	253.2625	16.1	16.7	16.1	15.8	0.9
Q(30)	259.2625	17.1	17.5	17.2	17.4	0.4
R(31)	265.2625	17.2	17.1	17.2	17.2	0.1
S(32)	271.2625	17.5	17.8	17.7	17.5	0.3
T(33)	277.2625	18.3	18.7	18.0	18.2	0.7
U(34)	283.2625	18.1	18.6	18.0	17.9	0.7
V(35)	289.2625	18.4	18.8	18.6	18.4	0.4
W(36)	295.2625	17.9	18.3	18.2	18.0	0.4
AA(37)	301.2625	18.2	18.7	18.4	18.1	0.6
BB(38)	307.2625	18.3	18.8	18.6	18.4	0.5
CC(39)	313.2625	18.3	18.8	18.6	18.1	0.7
DD(40)	319.2625	18.0	18.3	18.0	17.6	0.7
EE(41)	325.2625	17.0	17.3	17.6	16.9	0.7
FF(42)	331.2750	17.4	18.3	17.7	17.7	0.9
GG(43)	337.2625	19.1	19.7	19.4	19.1	0.6
HH(44)	343.2625	18.4	18.8	18.5	18.3	0.5
II(45)	349.2625	18.7	19.2	18.8	18.6	0.6
JJ(46)	355.2625	18.0	18.4	18.2	18.0	0.4
KK(47)	361.2625	17.7	18.3	18.1	17.9	0.6
LL(48)	367.2625	18.0	18.3	18.1	17.9	0.4
MM(49)	373.2625	17.3	17.6	17.2	16.9	0.7
NN(50)	379.2625	17.5	17.8	17.3	17.2	0.6
OO(51)	385.2625	17.3	17.8	17.3	17.3	0.5
PP(52)	391.2625	18.0	18.6	18.2	18.0	0.6
QQ(53)	397.2625	17.6	18.2	17.9	17.6	0.6
RR(54)	403.2500	16.9	17.4	17.0	16.6	0.8
SS(55)	409.2500	17.0	17.4	17.2	16.8	0.6
TT(56)	415.2500	16.6	16.9	16.6	16.0	0.9
UU(57)	421.2500	16.0	16.5	16.2	15.8	0.7
VV(58)	427.2500	15.9	16.3	15.9	15.5	0.8
WW(59)	433.2500	16.1	16.4	16.2	15.8	0.6
XX(60)	439.2500	16.2	16.7	16.3	15.7	1
YY(61)	445.2500	16.4	16.8	16.5	15.8	1
ZZ(62)	451.2500	16.4	16.8	16.6	16.1	0.7
63	457.2500	16.8	17.4	17.0	16.2	1.2
64	463.2500	16.8	17.1	16.9	16.2	0.9
65	469.2500	16.9	17.4	16.9	16.5	0.9
66	475.2500	17.1	17.4	17.0	16.4	1
67	481.2500	17.1	17.5	17.2	16.8	0.7
68	487.2500	17.1	17.5	17.2	16.5	1
69	493.2500	17.9	18.6	18.2	17.6	1
70	499.2500	17.8	18.3	18.1	17.4	0.9
71	505.2500	17.1	17.4	17.3	16.6	0.8
72	511.2500	17.5	18.0	17.6	17.3	0.7
73	517.2500	17.2	17.8	17.5	17.0	0.8
74	523.2500	16.8	17.4	17.1	16.4	1
75	529.2500	17.2	17.8	17.3	16.7	1.1
76	535.2500	16.9	17.5	17.2	16.4	1.1
77	541.2500	16.0	16.6	16.2	15.5	1.1
78	547.2500	16.8	17.7	17.3	16.4	1.3
79	553.2500					
80	559.2500					
81	565.2500					

Max NonAdjacent Channel Level Diff.	4.7
Max Adjacent Channel Level Diff.	2.1
Max Variance from last proof-of-performance test	1.70
Date of last proof-of-performance test	N/A

Note: Make measurements through a 100 ft. test drop cable without a converter

Testpoint # 7

TIME WARNER CABLE -- SYRACUSE DIVISION

System Name:	**Rome/Oneida**
System Test Point #	8
Hub Name:	Madison
Location / Community:	Crow Hill Road, Bouckville
Map Number:	1491-5578
Pole Number:	8
D.T. Value:	4/2
OR Number:	291
GNA Cascade:	5
LE Cascade:	0

TIME WARNER CABLE -- SYRACUSE DIVISION

Visual Carrier Level
Visual / Aural Level Difference
(at Test Point, at The End of a 100' Drop)

System Name: Rome/Oneida
Test Location. Crow Hill Road, Bouckville
Date : January 13, 2003
Time : 12:55

Chan	Freq (MHz)	Visual Level (dbmv)		Aural Level (dbmv)	SC	Diff (Dbmv)		Chan	Freq (MHz)	Visual Level (dbmv)		Aural Level (dbmv)	SC	Diff (Dbmv)	
2	55.2500	14.5		1.5		13.0		DD(40)	319.2625	12.6		-1.6		14.2	
3	61.2500	14.4		0.6		13.8		EE(41)	325.2625	11.5		-1.6		13.1	
4	67.2500	15.1		1.6		13.5		FF(42)	331.2750	11.7		-1.7		13.4	
5	77.2500	15.2		2.7		12.5		GG(43)	337.2625	13.1		-0.3	S	13.4	
6	83.2500	14.9		2.4		12.5		HH(44)	343.2625	11.5		-1.8		13.3	
A-5(95)	91.2500	15.3		1.3	S	14.0		II(45)	349.2625	12.3		-0.1	S	12.4	
A-4(96)	97.2500	14.6		0.7		13.9		JJ(46)	355.2625	11.8		-1.7		13.5	
A-3(97)	103.2500	N/A		N/A		N/A		KK(47)	361.2625	11.7		-1.5		13.2	
A-2(98)	109.2750	N/A		N/A		N/A		LL(48)	367.2625	12.7		-0.6		13.3	
A-1(99)	115.2750	13.4		0.0		13.4		MM(49)	373.2625	11.9		-2.1		14.0	
A(14)	121.2625	15.6		3.6		12.0		NN(50)	379.2625	11.9		-1.3		13.2	
B(15)	127.2625	15.2		1.6		13.6		OO(51)	385.2625	12.0		-1.6	S	13.6	
C(16)	133.2625	15.0		1.9		13.1		PP(52)	391.2625	12.2		-0.7	S	12.9	
D(17)	139.2500	14.3		1.9	S	12.4		QQ(53)	397.2625	11.9		-1.5	S	13.4	
E(18)	145.2500	15.7		2.5		13.2		RR(54)	403.2500	11.0		-2.0	S	13.0	
F(19)	151.3210	14.6		0.4		14.2		SS(55)	409.2500	11.0		-2.3	S	13.3	
G(20)	157.2500	16.4		1.8		14.6		TT(56)	415.2500	11.0		0.8		10.2	
H(21)	163.2500	15.9		1.8		14.1		UU(57)	421.2500	10.9		-1.5		12.4	
I(22)	169.2500	15.3		1.6		13.7		VV(58)	427.2500	10.5		-3.4		13.9	
7	175.2500	16.1		2.5		13.6		WW(59)	433.2500	10.7		-3.3	S	14.0	
8	181.2500	14.2		0.2		14.0		XX(60)	439.2500	11.0		-4.6	S	15.6	
9	187.2500	14.5		-0.3		14.8		YY(61)	445.2500	12.4		-2.4	S	14.8	
10	193.2500	14.1		0.0		14.1		ZZ(62)	451.2500	11.4		-1.4	S	12.8	
11	199.2500	13.4		-0.1		13.5		63	457.2500	11.6		-3.1	S	14.7	
12	205.2500	13.7		1.3		12.4		64	463.2500	11.7		-3.0	S	14.7	
13	211.2500	13.3		-0.1		13.4		65	469.2500	11.9		-2.8	S	14.7	
J(23)	217.2500	12.5		-1.3	S	13.8		66	475.2500	11.9		-3.2	S	15.1	
K(24)	223.2500	13.7		0.3		13.4		67	481.2500	11.8		-2.8	S	14.6	
L(25)	229.2625	13.4		-1.9	S	15.3		68	487.2500	11.4		-2.3	S	13.7	
M(26)	235.2625	13.7		0.4		13.3		69	493.2500	12.0		-2.5	S	14.5	
N(27)	241.2625	14.1		0.0		14.1		70	499.2500	11.9		-1.1	S	13.0	
O(28)	247.2625	14.6		1.7		12.9		71	505.2500	11.3		-2.4	S	13.7	
P(29)	253.2625	13.9		0.2		13.7		72	511.2500	11.8		-3.1	S	14.9	
Q(30)	259.2625	14.7		1.1		13.6		73	517.2500	12.0		-1.2	S	13.2	
R(31)	265.2625	14.1		1.5		12.6		74	523.2500	11.8		-2.4	S	14.2	
S(32)	271.2625	15.5		2.1		13.4		75	529.2500	11.9		-2.6	S	14.5	
T(33)	277.2625	15.3		2.3		13.0		76	535.2500	12.3		-1.1	S	13.4	
U(34)	283.2625	14.0		0.0		14.0		77	541.2500	11.4		-1.9	S	13.3	
V(35)	289.2625	14.3		1.8		12.5		78	547.2500	12.5		-1.7	S	14.2	
W(36)	295.2625	13.3		0.4		12.9		79	553.0000	N/A		N/A		N/A	
AA(37)	301.2625	13.4		-0.8		14.2		80	559.0000	N/A		N/A		N/A	
BB(38)	307.2625	13.4		-1.4		14.8		81	565.0000	N/A		N/A		N/A	
CC(39)	313.2625	13.0		-0.4		13.4									

Min Channel :-	VV(58)	10.5
Max Channel :-	G(20)	16.4

PEAK TO VALLEY: 5.90

Test Point # 8

TIME WARNER CABLE -- SYRACUSE DIVISION

IN CHANNEL RESPONSE Test
CARRIER - TO - NOISE Test
COHERENT DISTURBANCES Test
LOW FREQUENCY DISTURBANCES Test

System Name: Rome/Oneida

Date: January 13, 2003

Test Performed By: Joel Marmon

Location: Crow Hill Road, Bouckville

Note: ***Make measurements through a 100 ft. test drop cable without converter.***

Channel Number	In Channel Response (+/- dB)	Carrier To Noise Ratio (dB)	Distortion (-dBc) CTB	CSO	HUM (%)
3	0.1	47.0	62.3	76.2	
19	0.3	47.8	61.2	75.8	
7	0.3	49.2	62.0	76.0	
31	0.3	48.1	60.9	72.4	
36	0.3	47.4	60.9	72.7	
43	0.1	48.8	61.2	70.3	
47	0.2	47.3	60.7	68.4	
55	0.2	48.7	61.0	67.8	
70	0.4	49.0	61.4	64.5	0.8

TIME WARNER CABLE -- SYRACUSE DIVISION

IN - CHANNEL FREQUENCY RESPONSE TEST

(76.605) (a) (6)

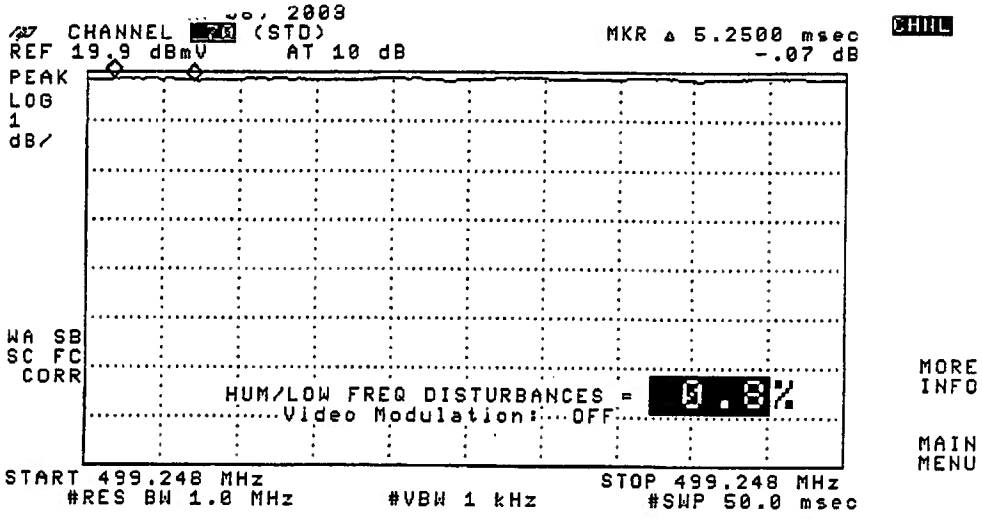
System Name: **Rome/Oneida**

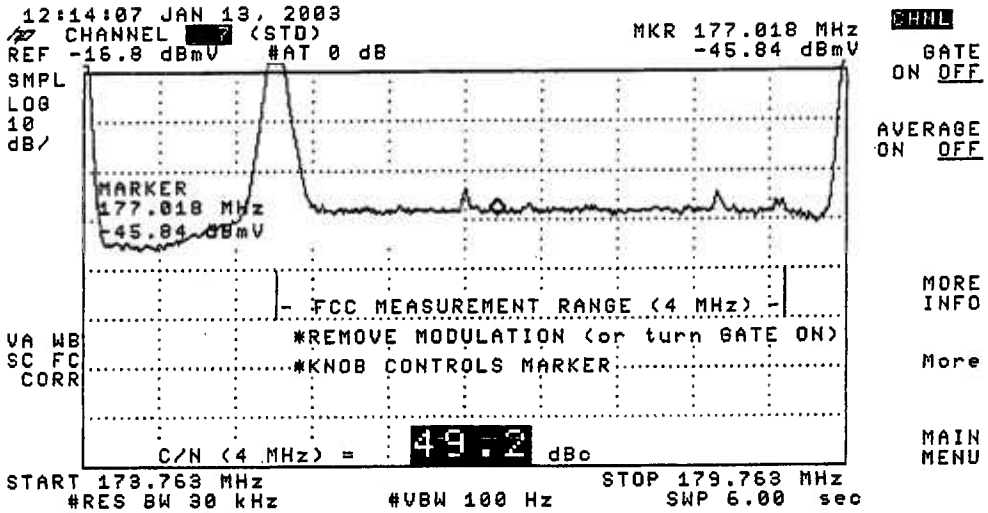
Date: 13-Jan-03

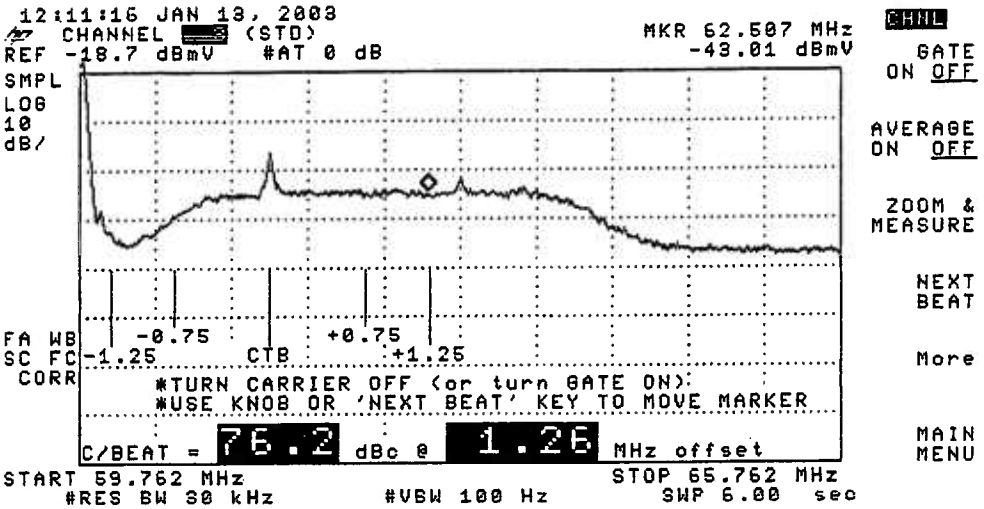
Test Performed By: Joel Marmon

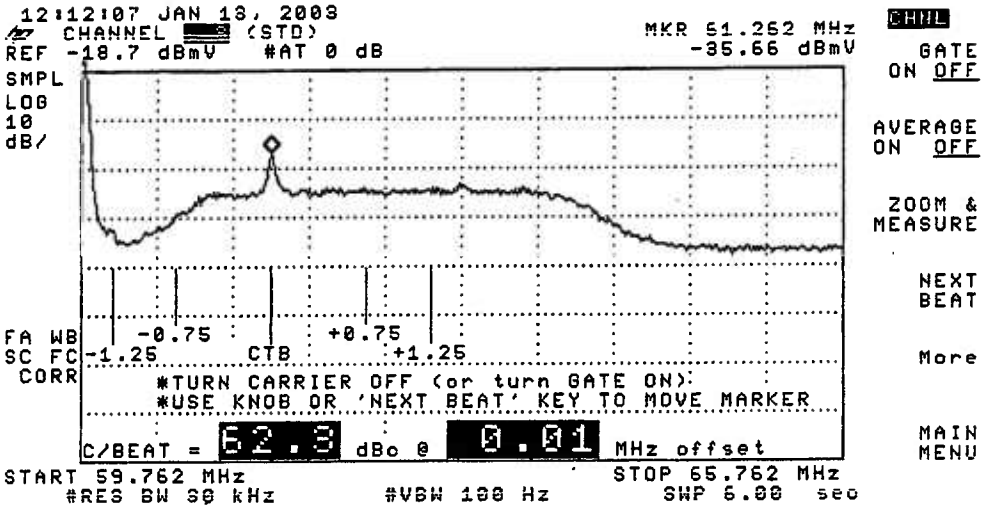
Location: Crow Hill Road, Bouckville

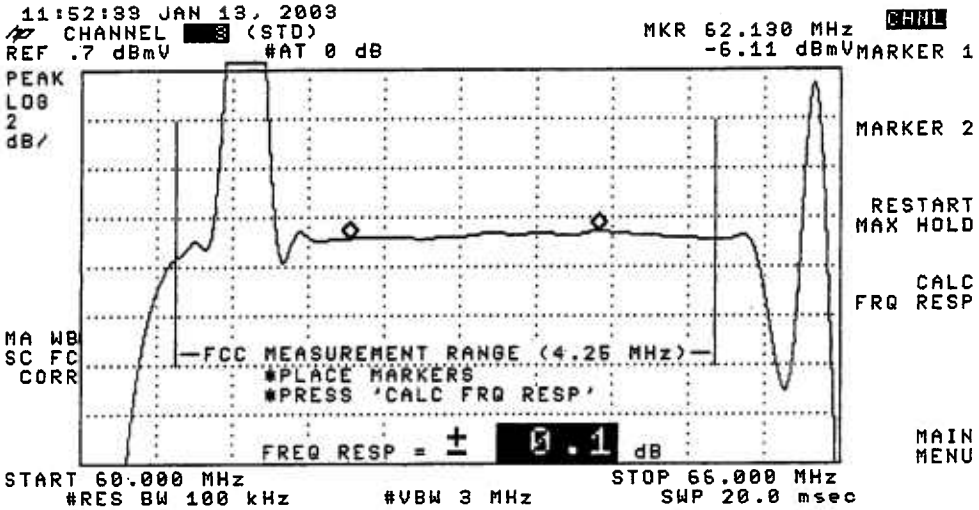
(SEE THE ATTATCHED SWEEP TRACES)

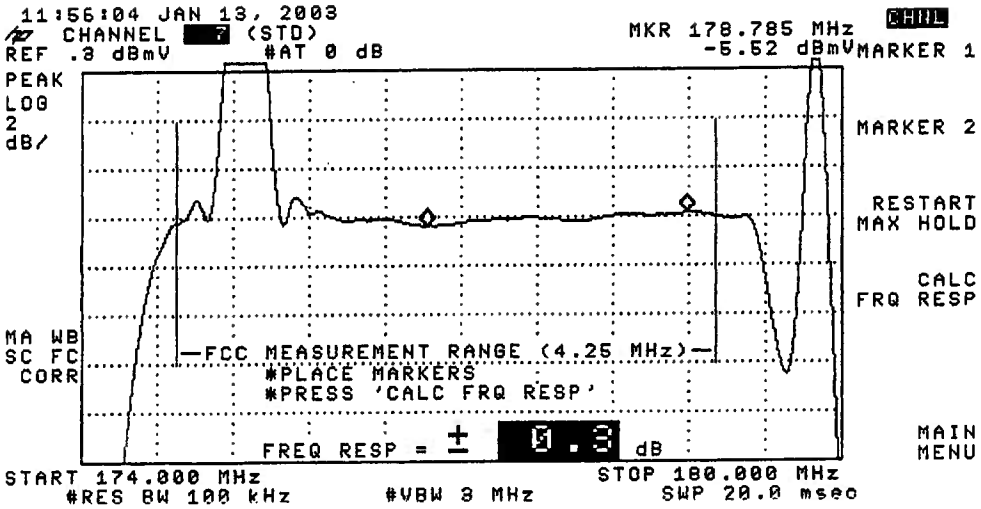

2003
CHANNEL 70 (STD)
MKR Δ 5.2500 msec
REF 19.9 dBmV
AT 10 dB
-.07 dB
CHNL
PEAK
LOG
1
dB/
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = 0.8%
Video Modulation: OFF
MORE
INFO
MAIN
MENU
START 499.248 MHz
#RES BW 1.0 MHz
#VBW 1 kHz
STOP 499.248 MHz
#SWP 50.0 msec

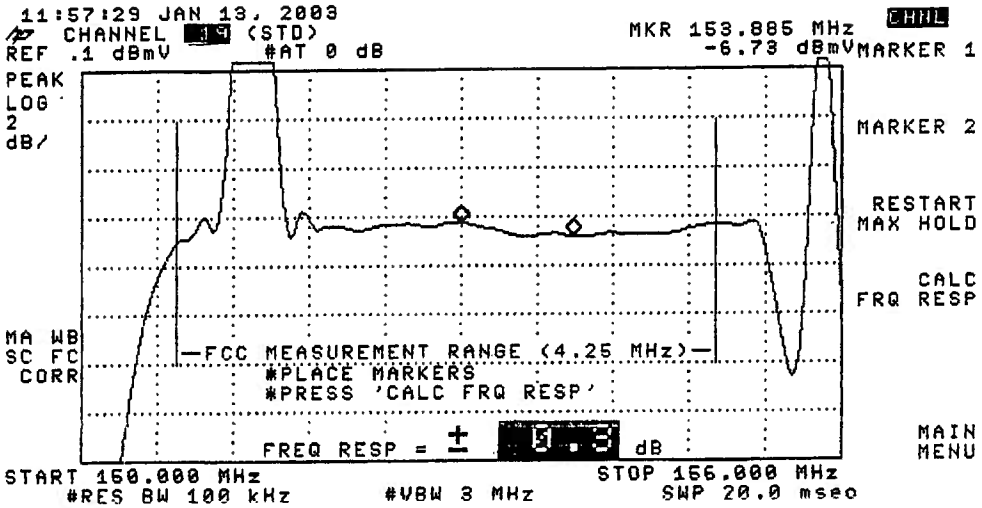

12:14:07 JAN 13, 2003
CHANNEL [redacted] (STD)
REF -16.8 dBmV
#AT 0 dB
MKR 177.018 MHz
-45.84 dBmV
CHNL
GATE
ON OFF
SMPL
LOG
10
dB/
AVERAGE
ON OFF
MARKER
177.018 MHz
-45.84 dBmV
MORE
INFO
- FCC MEASUREMENT RANGE (4 MHz) -
VA WB
SC FC
CORR
*REMOVE MODULATION (or turn GATE ON)
*KNOB CONTROLS MARKER
More
C/N (4 MHz) = 49.2 dBc
MAIN
MENU
START 173.763 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 179.763 MHz
SWP 6.00 sec

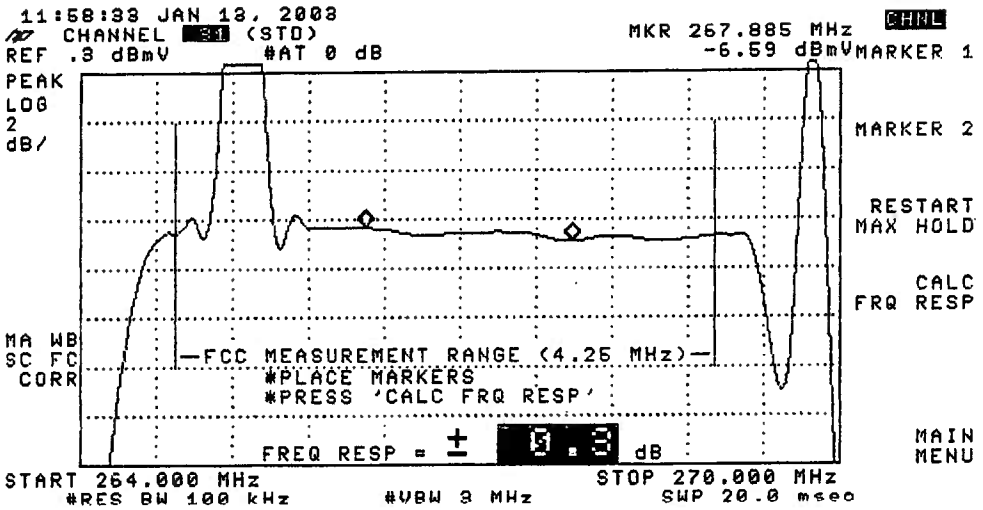

12:11:16 JAN 13, 2003
CHANNEL (STD)
REF -18.7 dBmV
#AT 0 dB
MKR 62.507 MHz
-43.01 dBmV
CHNL
GATE
ON OFF
SMPL
LOG
10
dB/
AVERAGE
ON OFF
ZOOM &
MEASURE
NEXT
BEAT
FA WB
SC FC
CORR
-0.75
+0.75
-1.25
CTB
+1.25
More
*TURN CARRIER OFF (or turn GATE ON)
*USE KNOB OR 'NEXT BEAT' KEY TO MOVE MARKER
C/BEAT = 76.2 dBc @ 1.26 MHz offset
MAIN
MENU
START 59.762 MHz
STOP 65.762 MHz
#RES BW 30 kHz
#VBW 100 Hz
SWP 6.00 sec

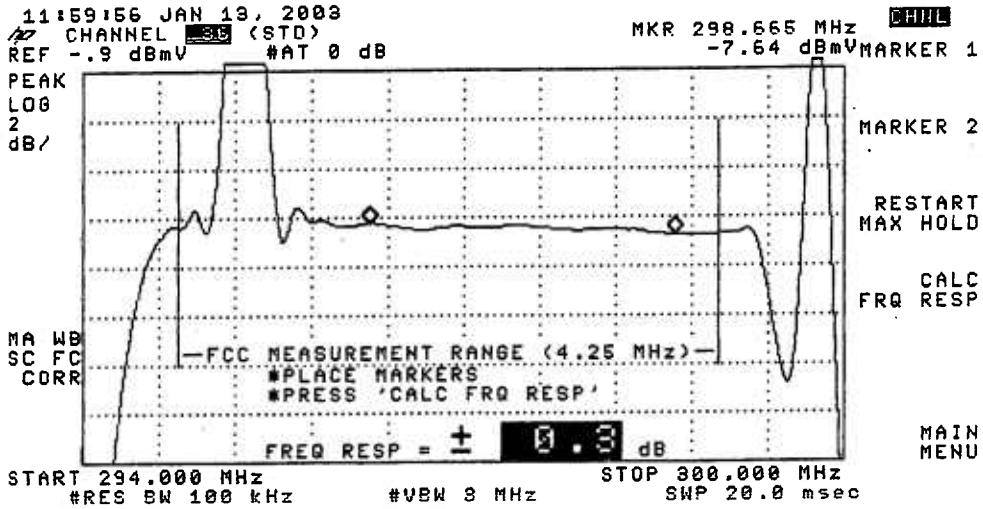

12:12:07 JAN 13, 2003
CHANNEL (STD)
REF -18.7 dBmV #AT 0 dB
MKR 51.262 MHz
-35.66 dBmV
CHNL
GATE
ON OFF
SMPL
LOG
10
dB/
AVERAGE
ON OFF
ZOOM &
MEASURE
NEXT
BEAT
FA WB
SC FC
CORR
-0.75
+0.75
-1.25
CTB
+1.25
More
*TURN CARRIER OFF (or turn GATE ON)
*USE KNOB OR 'NEXT BEAT' KEY TO MOVE MARKER
C/BEAT = 62.3 dBc @ 0.01 MHz offset
MAIN
MENU
START 59.762 MHz
STOP 65.762 MHz
#RES BW 30 kHz
#VBW 100 Hz
SWP 6.00 sec

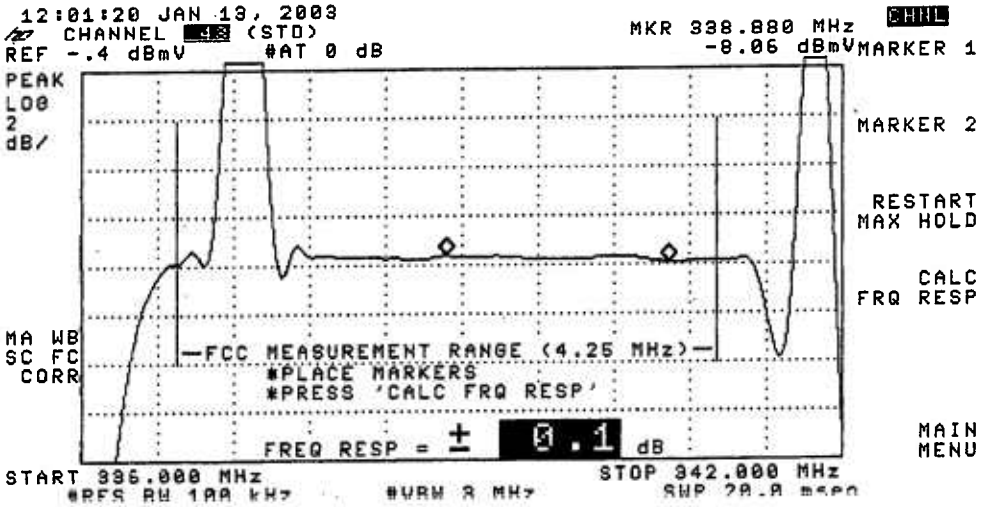

11:52:39 JAN 13, 2003
CHANNEL 3 (STD)
REF .7 dBmV
#AT 0 dB
MKR 62.130 MHz
-6.11 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.1 dB
MAIN
MENU
START 60.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 66.000 MHz
SWP 20.0 msec

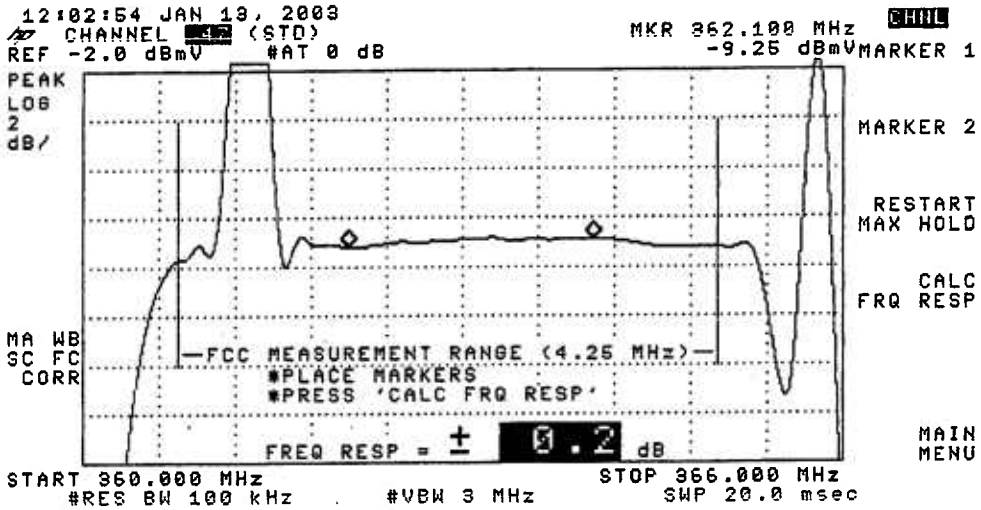

11:56:04 JAN 13, 2003
CHANNEL 7 (STD)
REF .3 dBmV
#AT 0 dB
MKR 178.785 MHz
-5.52 dBmV
CHIL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 174.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 180.000 MHz
SWP 20.0 msec

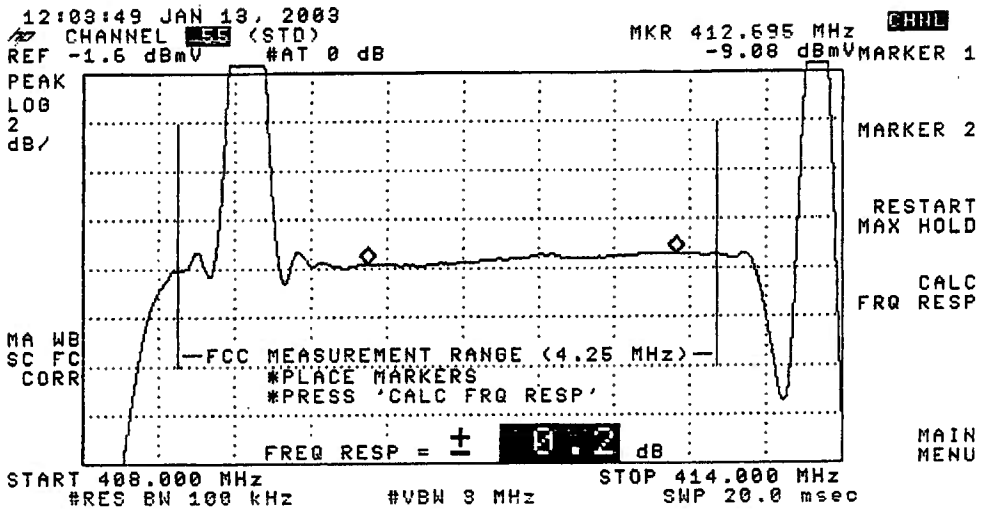

11:57:29 JAN 13, 2003
CHANNEL 19 (STD)
REF .1 dBmV
#AT 0 dB
MKR 153.885 MHz
-6.73 dBmV
CHHL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 150.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 156.000 MHz
SWP 20.0 msec

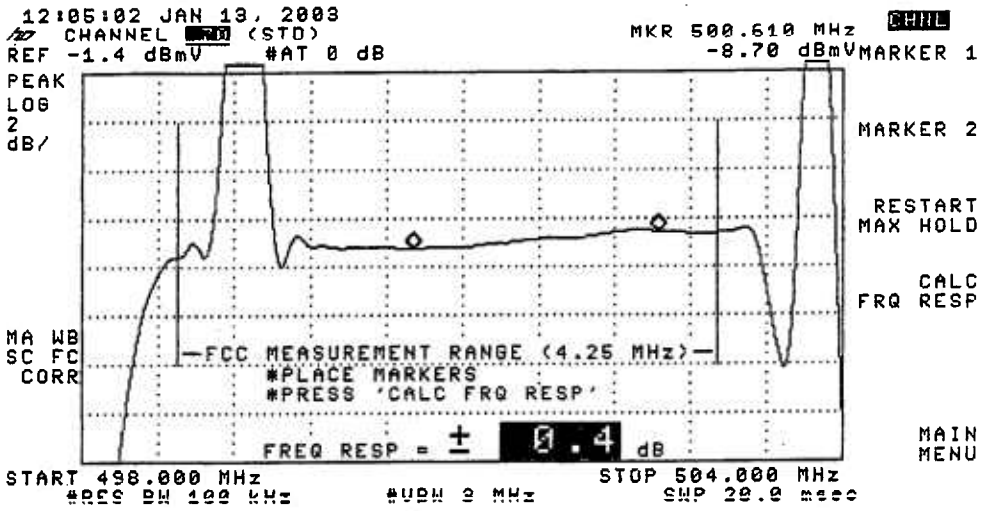

11:58:33 JAN 13, 2003
CHANNEL 31 (STD)
REF .3 dBmV
#AT 0 dB
MKR 267.885 MHz
-6.59 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 264.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 270.000 MHz
SWP 20.0 msec


11:59:56 JAN 13, 2003
CHANNEL 38 (STD)
REF -.9 dBmV
#AT 0 dB
MKR 298.665 MHz
-7.64 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 294.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 300.000 MHz
SWP 20.0 msec


12:01:20 JAN 13, 2003
CHANNEL 13 (STD)
REF -.4 dBmV
#AT 0 dB
MKR 338.880 MHz
-8.06 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.1 dB
MAIN
MENU
START 336.000 MHz
STOP 342.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec


12:02:54 JAN 13, 2003
CHANNEL 47 (STD)
REF -2.0 dBmV
#AT 0 dB
MKR 362.100 MHz
-9.25 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 360.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 366.000 MHz
SWP 20.0 msec


12:03:49 JAN 13, 2003
CHANNEL 55 (STD)
REF -1.6 dBmV
#AT 0 dB
MKR 412.695 MHz
-9.08 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 5.2 dB
MAIN
MENU
START 408.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 414.000 MHz
SWP 20.0 msec


12:05:02 JAN 13, 2003
CHANNEL (STD)
MKR 500.610 MHz
-8.70 dBmV
CHNL
REF -1.4 dBmV
#AT 0 dB
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 498.000 MHz
STOP 504.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec

TIME WARNER CABLE - - SYRACUSE DIVISION

Visual Carrier Level Variation Test

System Name: Rome/Oneida

Test Point Location: Crow Hill Road, Bouckville

Date: January 13, 2003 **Performed by:** Joel Marmon

Meter Serial Number: US40306138

Chan	Freq (MHz)	Temp F 21 Time 12:55 Visual Level (dbmv)	24 18:55	17 0:55	11 6:55	Max Var
2	55.2500	14.5	14.4	14.6	14.8	0.4
3	61.2500	14.4	14.2	14.3	14.3	0.2
4	67.2500	15.1	15.4	15.4	15.2	0.3
5	77.2500	15.2	15.2	15.3	15.2	0.1
6	83.2500	14.9	14.7	15.0	15.1	0.4
A-5(95)	91.2500	15.3	15.4	15.3	15.5	0.2
A-4(96)	97.2500	14.6	14.5	14.6	14.7	0.2
A-3(97)	103.2500					
A-2(98)	109.2750					
A-1(99)	115.2750	13.4	13.5	13.5	13.9	0.5
A(14)	121.2625	15.6	15.4	15.4	15.7	0.3
B(15)	127.2625	15.2	15.1	15.2	15.1	0.1
C(16)	133.2625	15.0	14.8	15.0	15.3	0.5
D(17)	139.2500	14.3	14.1	14.1	14.1	0.2
E(18)	145.2500	15.7	15.6	15.6	15.4	0.3
F(19)	151.2500	14.6	14.4	14.3	14.4	0.3
G(20)	157.2500	16.4	15.9	15.9	16.1	0.5
H(21)	163.2500	15.9	15.9	16.1	16.2	0.3
I(22)	169.2500	15.3	15.5	15.6	16.0	0.7
7	175.2500	16.1	15.5	15.5	15.9	0.6
8	181.2500	14.2	14.3	14.4	14.1	0.3
9	187.2500	14.5	14.4	14.7	14.7	0.3
10	193.2500	14.1	14.0	14.0	14.2	0.2
11	199.2500	13.4	13.4	13.5	13.5	0.1
12	205.2500	13.7	13.6	13.7	13.9	0.3
13	211.2500	13.3	13.5	13.5	13.6	0.3
J(23)	217.2500	12.5	12.2	12.4	12.4	0.3
K(24)	223.2500	13.7	13.6	13.7	13.9	0.3
L(25)	229.2625	13.4	13.7	13.7	14.0	0.6
M(26)	235.2625	13.7	13.6	13.9	13.6	0.3
N(27)	241.2625	14.1	14.0	14.0	13.9	0.2
O(28)	247.2625	14.6	14.6	14.6	14.9	0.3
P(29)	253.2625	13.9	13.7	13.7	14.1	0.4
Q(30)	259.2625	14.7	14.9	15.1	16.6	1.9
R(31)	265.2625	14.1	14.2	14.3	14.7	0.6
S(32)	271.2625	15.5	15.3	15.3	15.7	0.4
T(33)	277.2625	15.3	15.0	15.3	15.6	0.6
U(34)	283.2625	14.0	14.0	14.3	14.5	0.5
V(35)	289.2625	14.3	14.4	14.6	14.9	0.6
W(36)	295.2625	13.3	13.4	13.5	13.6	0.3
AA(37)	301.2625	13.4	13.1	13.4	13.8	0.7
BB(38)	307.2625	13.4	13.3	13.4	13.5	0.2
CC(39)	313.2625	13.0	13.0	12.8	13.5	0.7

Chan	Freq (MHz)	Temp F 21 Time 12:55 Visual Level (dbmv)	24 18:55	17 0:55	11 6:55	Max Var
DD(40)	319.2625	12.6	12.7	12.8	13.2	0.6
EE(41)	325.2625	11.5	11.3	11.3	11.6	0.3
FF(42)	331.2750	11.7	11.8	11.9	12.4	0.7
GG(43)	337.2625	13.1	13.2	13.4	13.6	0.5
HH(44)	343.2625	11.5	11.3	11.6	12.1	0.8
II(45)	349.2625	12.3	12.2	12.7	12.7	0.5
JJ(46)	355.2625	11.8	11.8	12.2	12.1	0.4
KK(47)	361.2625	11.7	11.6	11.9	12.3	0.7
LL(48)	367.2625	12.7	12.7	12.9	13.2	0.5
MM(49)	373.2625	11.9	12.1	12.3	12.5	0.6
NN(50)	379.2625	11.9	12.0	12.3	12.4	0.5
OO(51)	385.2625	12.0	12.0	12.1	12.4	0.4
PP(52)	391.2625	12.2	12.6	12.5	13.0	0.8
QQ(53)	397.2625	11.9	12.2	12.4	12.6	0.7
RR(54)	403.2500	11.0	11.6	11.8	12.2	1.2
SS(55)	409.2500	11.0	11.1	11.4	11.7	0.7
TT(56)	415.2500	11.0	10.7	11.2	11.4	0.7
UU(57)	421.2500	10.9	10.9	11.0	11.1	0.2
VV(58)	427.2500	10.5	10.8	10.9	11.4	0.9
WW(59)	433.2500	10.7	10.9	11.1	11.3	0.6
XX(60)	439.2500	11.0	11.5	11.8	11.9	0.9
YY(61)	445.2500	12.4	12.7	13.0	13.3	0.9
ZZ(62)	451.2500	11.4	11.9	12.1	12.5	1.1
63	457.2500	11.6	12.0	12.4	12.4	0.8
64	463.2500	11.7	12.4	12.3	13.0	1.3
65	469.2500	11.9	12.2	12.4	12.8	0.9
66	475.2500	11.9	12.1	12.4	12.3	0.5
67	481.2500	11.8	12.4	12.5	12.5	0.7
68	487.2500	11.4	11.7	12.4	12.3	1
69	493.2500	12.0	12.4	12.9	13.4	1.4
70	499.2500	11.9	12.0	12.3	12.7	0.8
71	505.2500	11.3	11.7	12.0	12.2	0.9
72	511.2500	11.8	12.1	12.4	12.5	0.7
73	517.2500	12.0	12.4	12.3	12.7	0.7
74	523.2500	11.8	11.6	12.3	12.2	0.7
75	529.2500	11.9	12.1	12.6	12.8	0.9
76	535.2500	12.3	12.4	12.8	13.0	0.7
77	541.2500	11.4	11.8	12.3	12.5	1.1
78	547.2500	12.5	12.6	13.0	13.3	0.8
79	553.0000					
80	559.0000					
81	565.0000					

Max NonAdjacent Channel Level Diff. 5.9

Max Adjacent Channel Level Diff. 2.5

Max Variance from last proof-of-performance test 1.90

Date of last proof-of-performance test N/A

Note: Make measurements through a 100 ft. test drop cable without a converter

Testpoint # 8

TIME WARNER CABLE -- SYRACUSE DIVISION

System Name:	**Rome / Oneida**
System Test Point #	9
Hub Name:	Hamilton
Location / Community:	Eaton Road, Hamilton
Map Number:	488-5558
Pole Number:	41
D.T. Value:	17/4
OR Number:	973
GNA Cascade:	7
LE Cascade:	0

TIME WARNER CABLE -- SYRACUSE DIVISION

Visual Carrier Level
Visual / Aural Level Difference
(at Test Point, at The End of a 100' Drop)

System Name: Rome / Oneida
Test Location. Eaton Road, Hamilton
Date : January 14, 2003
Time : 9:15

Chan	Freq (MHz)	Visual Level (dbmV)		Aural Level (dbmV)	SC S	Diff (Dbmv)		Chan	Freq (MHz)	Visual Level (dbmV)		Aural Level (dbmV)	SC S	Diff (Dbmv)	
2	55.2500	14.5		1.6		12.9		DD(40)	319.2625	14.7		0.5		14.2	
3	61.2500	15.5		1.9		13.6		EE(41)	325.2625	13.2		0.9		12.3	
4	67.2500	15.6		2.0		13.6		FF(42)	331.2750	14.1		0.8		13.3	
5	77.2500	14.6		2.3		12.3		GG(43)	337.2625	15.4		2.5	S	12.9	
6	83.2500	14.5		1.7		12.8		HH(44)	343.2625	14.0		0.1		13.9	
A-5(95)	91.2500	14.7		0.3	S	14.4		II(45)	349.2625	14.2		1.6	S	12.6	
A-4(96)	97.2500	14.2		0.1		14.1		JJ(46)	355.2625	13.4		0.0		13.4	
A-3(97)	103.2500	N/A		N/A		N/A		KK(47)	361.2625	13.2		0.4		12.8	
A-2(98)	109.2750	N/A		N/A		N/A		LL(48)	367.2625	14.0		0.6		13.4	
A-1(99)	115.2750	14.5		-2.2		16.7		MM(49)	373.2625	13.5		-0.1		13.6	
A(14)	121.2625	14.2		1.9		12.3		NN(50)	379.2625	13.6		0.2		13.4	
B(15)	127.2625	14.3		1.2		13.1		OO(51)	385.2625	13.7		-0.4	S	14.1	
C(16)	133.2625	14.1		1.2		12.9		PP(52)	391.2625	14.6		1.7	S	12.9	
D(17)	139.2500	14.1		1.3	S	12.8		QQ(53)	397.2625	14.8		1.8	S	13.0	
E(18)	145.2500	14.7		1.3		13.4		RR(54)	403.2500	14.2		0.7	S	13.5	
F(19)	151.3210	13.3		-1.0		14.3		SS(55)	409.2500	14.0		0.8	S	13.2	
G(20)	157.2500	14.5		0.2		14.3		TT(56)	415.2500	14.0		-1.3	S	15.3	
H(21)	163.2500	14.9		1.4		13.5		UU(57)	421.2500	14.0		2.4		11.6	
I(22)	169.2500	15.2		1.3		13.9		VV(58)	427.2500	14.3		0.6		13.7	
7	175.2500	15.3		2.4		12.9		WW(59)	433.2500	14.4		0.2	S	14.2	
8	181.2500	15.5		3.5		12.0		XX(60)	439.2500	14.8		-0.6	S	15.4	
9	187.2500	17.3		3.0		14.3		YY(61)	445.2500	15.6		2.7		12.9	
10	193.2500	16.1		2.2		13.9		ZZ(62)	451.2500	15.3		1.9	S	13.4	
11	199.2500	15.1		-1.1		16.2		63	457.2500	15.6		0.8	S	14.8	
12	205.2500	14.9		2.7		12.2		64	463.2500	15.7		0.7	S	15.0	
13	211.2500	14.7		1.4		13.3		65	469.2500	15.3		0.2	S	15.1	
J(23)	217.2500	12.3		0.0	S	12.3		66	475.2500	15.2		0.5	S	14.7	
K(24)	223.2500	14.8		1.4		13.4		67	481.2500	15.5		1.0	S	14.5	
L(25)	229.2625	14.6		4.2		10.4		68	487.2500	15.3		1.4	S	13.9	
M(26)	235.2625	14.4		1.4		13.0		69	493.2500	16.0		1.5	S	14.5	
N(27)	241.2625	14.4		0.7		13.7		70	499.2500	15.6		2.8	S	12.8	
O(28)	247.2625	15.4		2.4		13.0		71	505.2500	15.2		1.4	S	13.8	
P(29)	253.2625	14.7		1.0		13.7		72	511.2500	15.6		0.8	S	14.8	
Q(30)	259.2625	16.2		3.4		12.8		73	517.2500	16.1		3.2	S	12.9	
R(31)	265.2625	15.1		2.7		12.4		74	523.2500	15.8		2.4	S	13.4	
S(32)	271.2625	16.1		3.5		12.6		75	529.2500	16.8		2.4	S	14.4	
T(33)	277.2625	16.5		3.4		13.1		76	535.2500	17.3		4.0	S	13.3	
U(34)	283.2625	15.5		1.8		13.7		77	541.2500	16.6		3.0	S	13.6	
V(35)	289.2625	15.9		3.1		12.8		78	547.2500	17.5		3.9	S	13.6	
W(36)	295.2625	15.6		2.6		13.0		79	553.2500	N/A		N/A		N/A	
AA(37)	301.2625	15.2		0.9		14.3		80	559.2500	N/A		N/A		N/A	
BB(38)	307.2625	15.2		1.1		14.1		81	565.2500	N/A		N/A		N/A	
CC(39)	313.2625	15.3		1.4		13.9									

Min Channel :-	J(23)	12.3	
Max Channel :-	78	17.5	*PEAK TO VALLEY:* 5.20

Test Point # 9

TIME WARNER CABLE -- SYRACUSE DIVISION

IN CHANNEL RESPONSE Test
CARRIER - TO - NOISE Test
COHERENT DISTURBANCES Test
LOW FREQUENCY DISTURBANCES Test

System Name: Rome / Oneida

Date: January 13, 2003

Test Performed By: Joel Marmon

Location: Eaton Road, Hamilton

Note: ***Make measurements through a 100 ft. test drop cable without converter.***

Channel Number	In Channel Response (+/- dB)	Carrier To Noise Ratio (dB)	Distortions (-dBc) CTB	CSO	HUM (%)
3	0.1	47.6	63.1	76.9	
19	0.3	47.0	61.0	76.1	
7	0.3	47.4	61.9	77.5	
31	0.3	47.2	62.9	74.6	
36	0.2	47.4	61.0	73.7	
43	0.2	47.5	60.6	74.7	
47	0.2	47.1	60.5	72.1	
55	0.1	47.0	60.9	71.5	
70	0.3	47.3	61.4	70.9	0.7

TIME WARNER CABLE -- SYRACUSE DIVISION

IN - CHANNEL FREQUENCY RESPONSE TEST

(76.605) (a) (6)

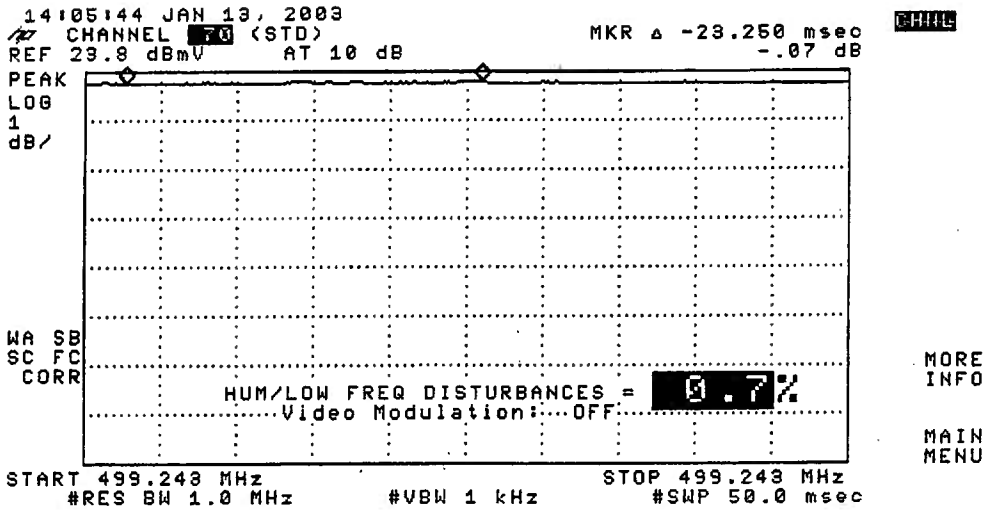
System Name: **Rome / Oneida**

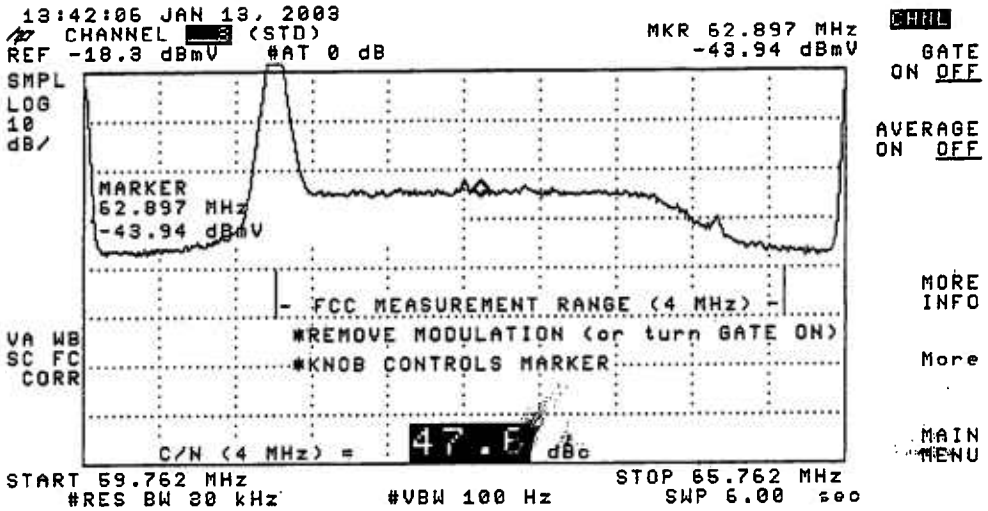
Date: 13-Jan-03

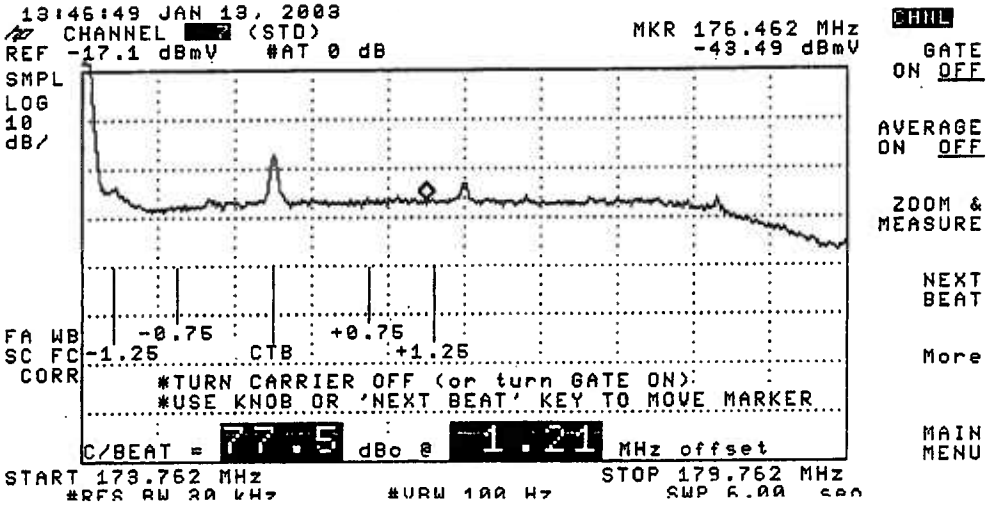
Test Performed By: Joel Marmon

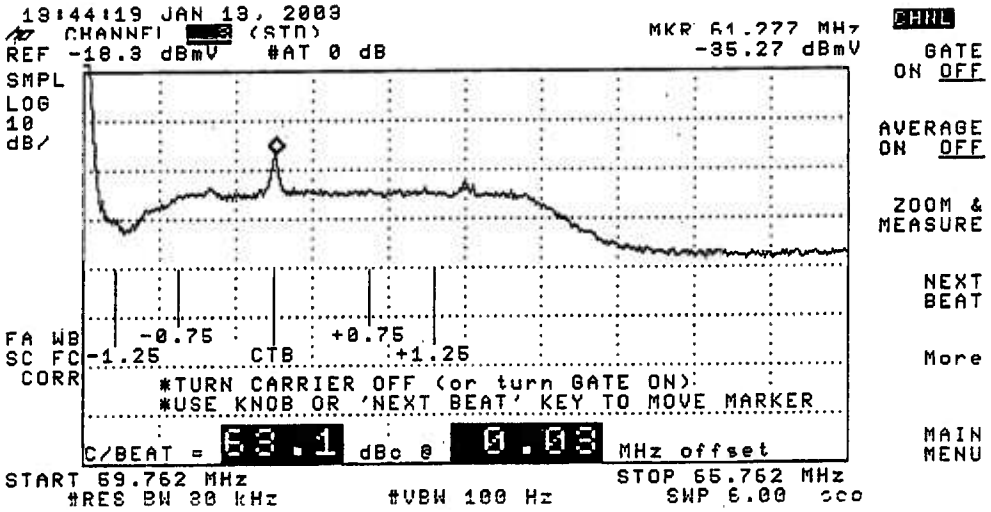
Location: Eaton Road, Hamilton

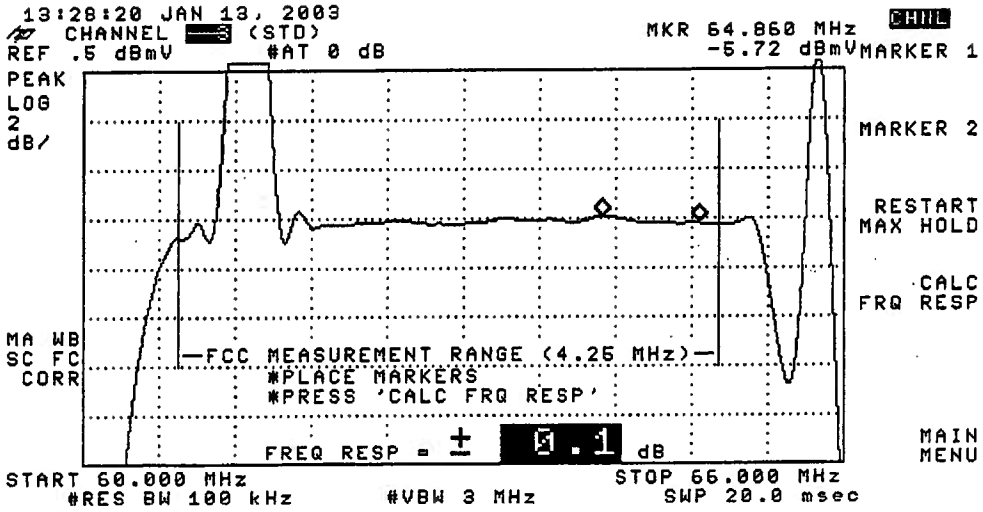
(SEE THE ATTATCHED SWEEP TRACES)

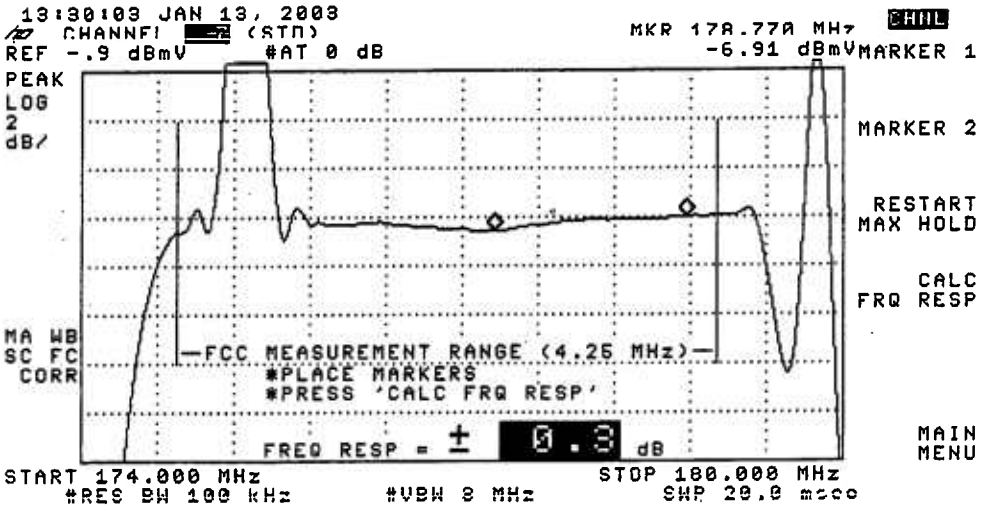

14:05:44 JAN 13, 2003
CHANNEL 70 (STD)
REF 23.8 dBmV
AT 10 dB
MKR Δ -23.250 msec
-.07 dB
CHIL
PEAK
LOG
1
dB/
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = 0.7%
Video Modulation: OFF
MORE
INFO
MAIN
MENU
START 499.243 MHz
#RES BW 1.0 MHz
#VBW 1 kHz
STOP 499.243 MHz
#SWP 50.0 msec

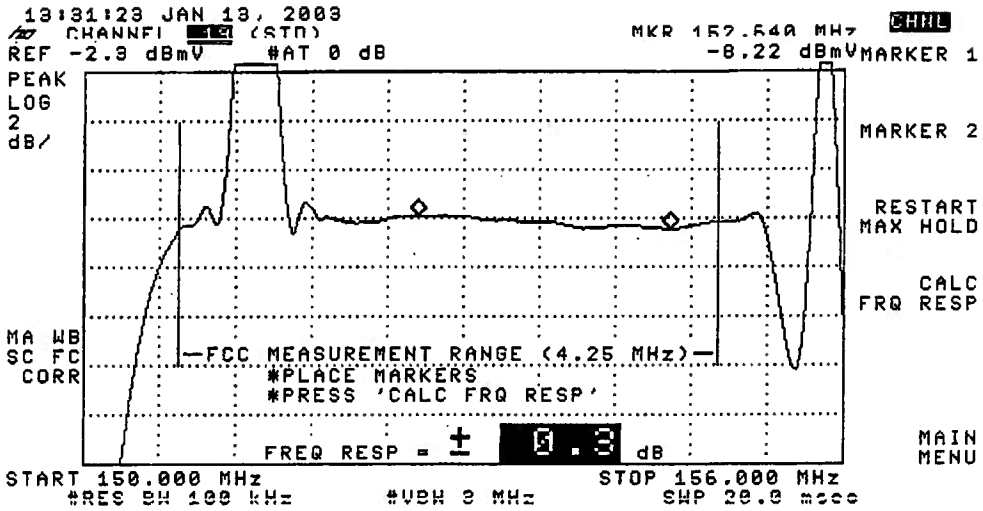

13:42:06 JAN 13, 2003
CHANNEL 3 (STD)
REF -18.3 dBmV
#AT 0 dB
MKR 62.897 MHz
-43.94 dBmV
CHNL
GATE
ON OFF
AVERAGE
ON OFF
SMPL
LOG
10
dB/
MARKER
62.897 MHz
-43.94 dBmV
- FCC MEASUREMENT RANGE (4 MHz) -
*REMOVE MODULATION (or turn GATE ON)
*KNOB CONTROLS MARKER
MORE
INFO
More
VA WB
SC FC
CORR
C/N (4 MHz) =
47.6 dBc
MAIN
MENU
START 59.762 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 65.762 MHz
SWP 6.00 sec

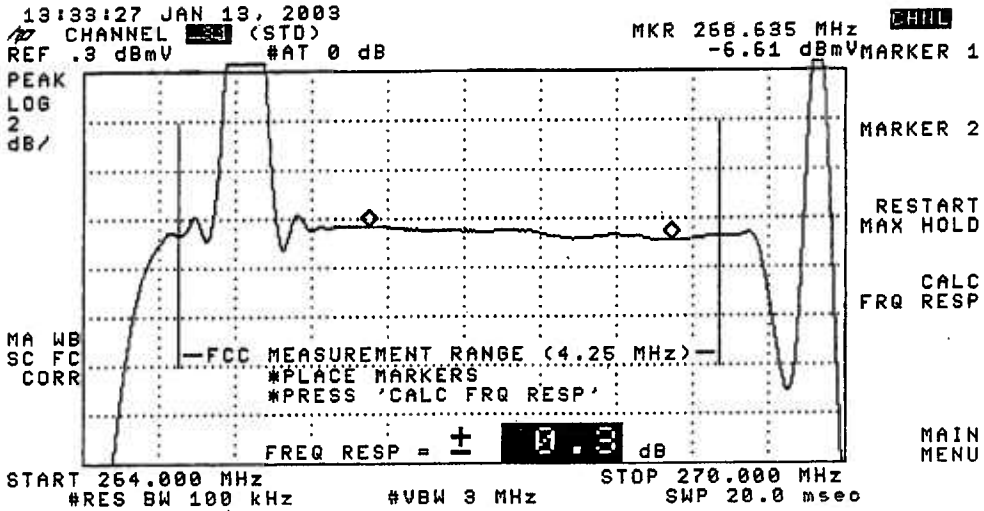

13:46:49 JAN 13, 2003
CHANNEL 2 (STD)
REF -17.1 dBmV
#AT 0 dB
MKR 176.462 MHz
-43.49 dBmV
CHNL
GATE
ON OFF
SMPL
LOG
10
dB/
AVERAGE
ON OFF
ZOOM &
MEASURE
NEXT
BEAT
FA WB
SC FC
CORR
-0.75
+0.75
-1.25
CTB
+1.25
More
#TURN CARRIER OFF (or turn GATE ON)
#USE KNOB OR 'NEXT BEAT' KEY TO MOVE MARKER
C/BEAT = 77.5 dBo @ -1.21 MHz offset
MAIN
MENU
START 173.762 MHz
STOP 179.762 MHz
#RES BW 30 kHz
#VBW 100 Hz
SWP 6.00 sec

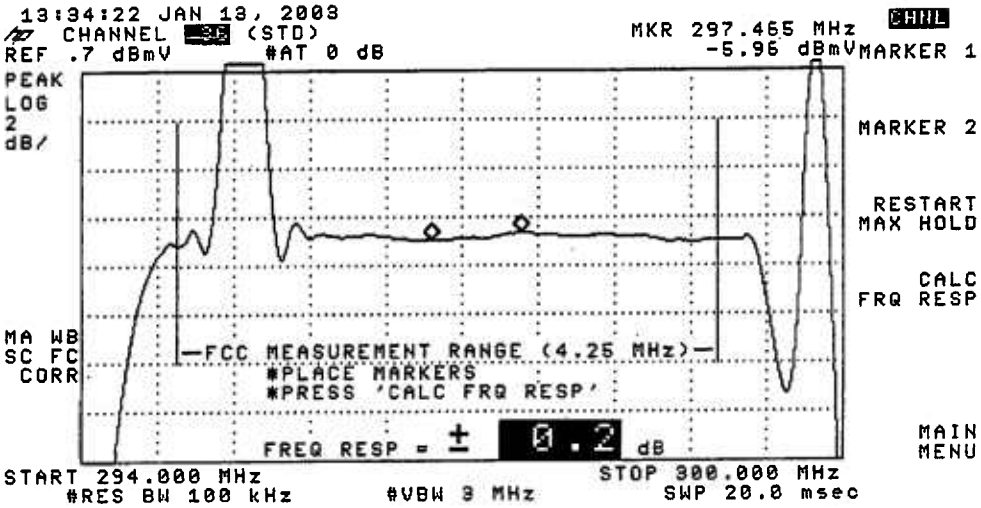

18:44:19 JAN 13, 2003
CHANNEL 3 (STD)
REF -18.3 dBmV
#AT 0 dB
MKR 61.277 MHz
-35.27 dBmV
CHRL
SMPL
LOG
10
dB/
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
NEXT
BEAT
More
MAIN
MENU
FA WB
SC FC
CORR
-0.75
+0.75
-1.25
CTB
+1.25
*TURN CARRIER OFF (or turn GATE ON)
*USE KNOB OR 'NEXT BEAT' KEY TO MOVE MARKER
C/BEAT = 53.1 dBc @ 0.03 MHz offset
START 59.762 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 65.762 MHz
SWP 6.00 sec

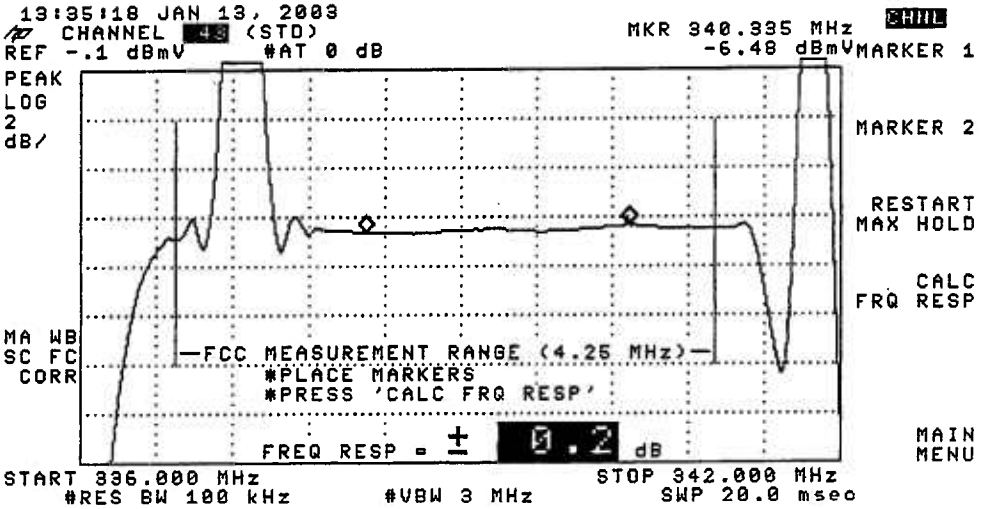

13:28:20 JAN 13, 2003
CHANNEL (STD)
REF .5 dBmV
#AT 0 dB
MKR 64.860 MHz
-5.72 dBmV
CHIL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.1 dB
MAIN
MENU
START 60.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 66.000 MHz
SWP 20.0 msec

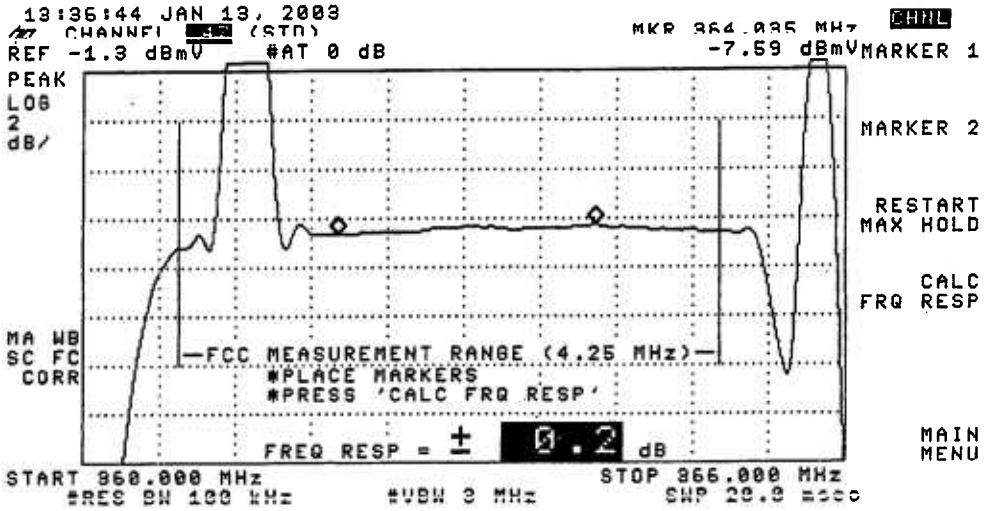

13:30:03 JAN 13, 2003
CHANNEL (STD)
REF -.9 dBmV
#AT 0 dB
MKR 178.770 MHz
-6.91 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 174.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 180.000 MHz
SWP 20.0 msec

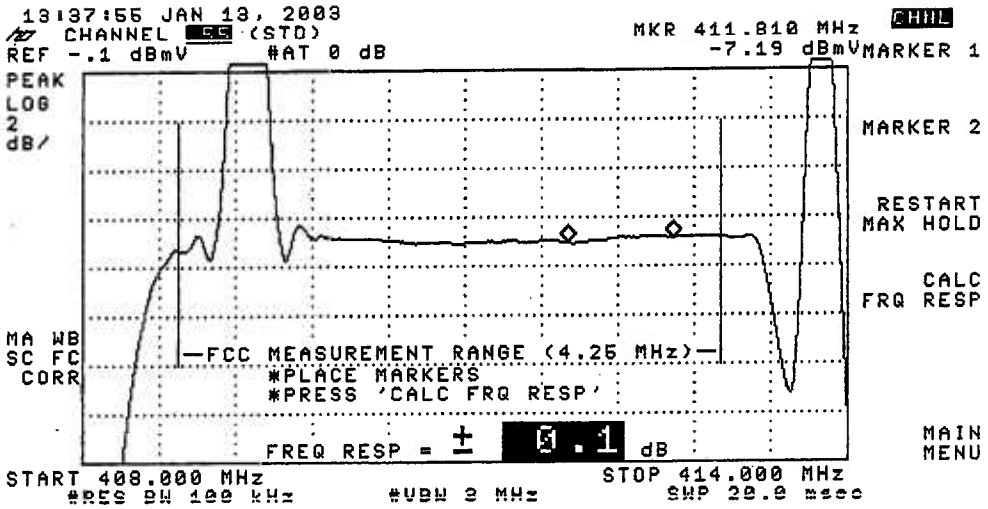

13:31:23 JAN 13, 2003
CHANNEL 1 (STD)
REF -2.3 dBmV
#AT 0 dB
MKR 152.640 MHz
-8.22 dBmV
CHRL
MARKER 1
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MAIN
MENU
PEAK
LOG
2
dB/
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
START 150.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 156.000 MHz
SWP 20.0 msec

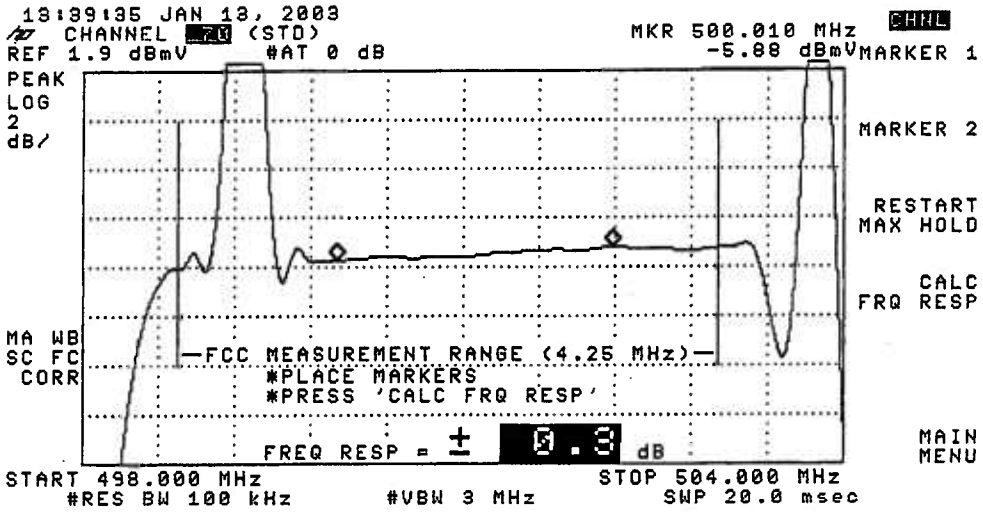

13:33:27 JAN 13, 2003
CHANNEL 38 (STD)
REF .3 dBmV
#AT 0 dB
MKR 268.635 MHz
-6.61 dBmV
CHRL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 264.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 270.000 MHz
SWP 20.0 mseo


13:34:22 JAN 13, 2003
CHANNEL 95 (STD)
REF .7 dBmV
#AT 0 dB
MKR 297.465 MHz
-5.96 dBmV
CHRL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 294.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 300.000 MHz
SWP 20.0 msec


13:35:18 JAN 13, 2003
CHANNEL 43 (STD)
REF -.1 dBmV
#AT 0 dB
MKR 340.335 MHz
-6.48 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 336.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 342.000 MHz
SWP 20.0 msec


13:36:44 JAN 13, 2003
CHANNEL
(STD)
MKR 864.035 MHz
CHNL
REF -1.3 dBmV
#AT 0 dB
-7.59 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 860.000 MHz
STOP 866.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec


13:37:55 JAN 13, 2003
CHANNEL 66 (STD)
REF -.1 dBmV
#AT 0 dB
MKR 411.810 MHz
-7.19 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 5.1 dB
MAIN
MENU
START 408.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 414.000 MHz
SWP 20.0 msec


18:39:35 JAN 13, 2003
CHANNEL 21 (STD)
REF 1.9 dBmV
#AT 0 dB
MKR 500.010 MHz
-5.88 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 6.3 dB
MAIN
MENU
START 498.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 504.000 MHz
SWP 20.0 msec

TIME WARNER CABLE - - SYRACUSE DIVISION

Visual Carrier Level Variation Test

System Name: Rome / Oneida

Test Point Location: Eaton Road, Hamilton

Date: January 14, 2003 **Performed by:**

Meter Serial Number:

Chan	Freq (MHz)	Temp F 16 / Time 9:15	24 / 15:15	9 / 21:15	5 / 3:15	Max Var
		Visual Level (dbmV)				
2	55.2500	14.5	14.3	13.8	13.8	0.7
3	61.2500	15.5	15.2	14.7	14.9	0.8
4	67.2500	15.6	15.2	14.8	14.7	0.9
5	77.2500	14.6	14.5	14.0	14.1	0.6
6	83.2500	14.5	14.1	13.8	13.9	0.7
A-5(95)	91.2500	14.7	14.4	14.2	14.3	0.5
A-4(96)	97.2500	14.2	14.1	13.7	13.9	0.5
A-3(97)	103.2500					
A-2(98)	109.2750					
A-1(99)	115.2750	14.5	14.0	14.4	14.5	0.5
A(14)	121.2625	14.2	13.7	13.9	14.0	0.5
B(15)	127.2625	14.3	14.0	13.6	13.9	0.7
C(16)	133.2625	14.1	13.8	13.7	13.8	0.4
D(17)	139.2500	14.1	13.6	13.7	13.9	0.5
E(18)	145.2500	14.7	14.1	14.3	14.4	0.6
F(19)	151.2500	13.3	12.9	12.7	12.9	0.6
G(20)	157.2500	14.5	14.4	14.2	14.3	0.3
H(21)	163.2500	14.9	14.5	14.3	14.4	0.6
I(22)	169.2500	15.2	14.8	15.0	15.1	0.4
7	175.2500	15.3	15.0	14.8	15.1	0.5
8	181.2500	15.5	15.2	14.8	15.0	0.7
9	187.2500	17.3	16.9	16.8	17.4	0.6
10	193.2500	16.1	15.6	15.8	16.1	0.5
11	199.2500	15.1	14.6	15.1	15.4	0.8
12	205.2500	14.9	14.6	14.4	14.8	0.5
13	211.2500	14.7	14.3	14.3	14.4	0.4
J(23)	217.2500	12.3	13.6	12.5	12.5	1.3
K(24)	223.2500	14.8	14.4	14.5	14.7	0.4
L(25)	229.2625	14.6	14.1	14.5	14.7	0.6
M(26)	235.2625	14.4	14.2	14.1	14.1	0.3
N(27)	241.2625	14.4	14.0	14.3	14.5	0.5
O(28)	247.2625	15.4	15.0	15.0	15.3	0.4
P(29)	253.2625	14.7	14.3	14.5	14.7	0.4
Q(30)	259.2625	16.2	15.9	16.0	16.6	0.7
R(31)	265.2625	15.1	14.8	14.6	13.7	1.4
S(32)	271.2625	16.1	15.6	15.9	16.1	0.5
T(33)	277.2625	16.5	16.0	16.2	16.6	0.6
U(34)	283.2625	15.5	15.1	15.4	15.7	0.6
V(35)	289.2625	15.9	15.4	15.7	16.0	0.6
W(36)	295.2625	15.6	14.9	15.4	15.6	0.7
AA(37)	301.2625	15.2	14.8	15.3	15.6	0.8
BB(38)	307.2625	15.2	14.6	15.3	15.3	0.7
CC(39)	313.2625	15.3	14.7	15.2	15.5	0.8
DD(40)	319.2625	14.7	14.0	14.5	14.9	0.9
EE(41)	325.2625	13.2	13.0	12.9	14.0	1.1
FF(42)	331.2750	14.1	13.7	13.9	14.5	0.8
GG(43)	337.2625	15.4	14.9	15.1	15.5	0.6
HH(44)	343.2625	14.0	13.9	14.2	14.5	0.6
II(45)	349.2625	14.2	13.9	14.3	14.6	0.7
JJ(46)	355.2625	13.4	13.1	13.5	13.7	0.6
KK(47)	361.2625	13.2	13.0	13.4	13.7	0.7
LL(48)	367.2625	14.0	13.5	14.0	14.3	0.8
MM(49)	373.2625	13.5	13.0	13.5	13.8	0.8
NN(50)	379.2625	13.6	13.3	13.7	14.0	0.7
OO(51)	385.2625	13.7	13.1	13.4	13.9	0.8
PP(52)	391.2625	14.6	14.0	14.7	15.0	1
QQ(53)	397.2625	14.8	14.2	14.8	15.3	1.1
RR(54)	403.2500	14.2	13.4	13.8	14.2	0.8
SS(55)	409.2500	14.0	13.9	14.4	14.7	0.8
TT(56)	415.2500	14.0	13.7	14.1	14.6	0.9
UU(57)	421.2500	14.0	13.6	14.5	14.6	1
VV(58)	427.2500	14.3	13.7	14.4	14.5	0.8
WW(59)	433.2500	14.4	13.8	14.3	14.7	0.9
XX(60)	439.2500	14.8	14.3	14.8	15.2	0.9
YY(61)	445.2500	15.6	15.2	15.7	16.1	0.9
ZZ(62)	451.2500	15.3	14.8	15.4	15.7	0.9
63	457.2500	15.6	15.1	15.7	16.1	1
64	463.2500	15.7	15.2	15.9	16.2	1
65	469.2500	15.3	14.9	15.7	16.0	1.1
66	475.2500	15.2	14.8	15.7	16.0	1.2
67	481.2500	15.5	15.0	15.4	15.9	0.9
68	487.2500	15.3	14.7	15.5	15.9	1.2
69	493.2500	16.0	15.5	16.4	16.8	1.3
70	499.2500	15.6	12.7	16.0	16.4	3.7
71	505.2500	15.2	14.8	15.6	15.9	1.1
72	511.2500	15.6	15.3	16.0	16.4	1.1
73	517.2500	16.1	15.7	16.5	16.8	1.1
74	523.2500	15.8	15.7	16.3	16.6	0.9
75	529.2500	16.8	16.6	16.9	17.2	0.6
76	535.2500	17.3	16.6	17.6	18.1	1.5
77	541.2500	16.6	16.0	16.8	17.2	1.2
78	547.2500	17.5	17.0	17.7	18.3	1.3
79	553.2500					
80	559.2500					
81	565.2500					

Max NonAdjacent Channel Level Diff.	5.8	
Max Adjacent Channel Level Diff.	2.9	
Max Variance from last proof-of-performance test	3.70	
Date of last proof-of-performance test		N/A

Note: Make measurements through a 100 ft. test drop cable without a converter

TIME WARNER CABLE

SYRACUSE DIVISION

FCC TECHNICAL TESTING STANDARDS AND PROCEDURES

7 – 15 – 2002
FCC Part 76 (2001)
Rev 2

VISUAL CARRIER FREQUENCY AND AURAL CARRIER CENTER FREQUENCY FCC 76.612 (a) (b) and 76.605 (a) (2)

Specification:

FCC:	Visual carrier frequency part 76.612 (a) and (b). The center frequency of the aural carrier part 76.605 (a) (2).
Syracuse Division:	+/- 25 Khz on all non air-nav video carriers +/- 3.5 Khz on air-nav visual carriers. The center frequency of the aural carrier must be 4.5 MHz, +/- 1 KHz above the frequency of the visual carrier.

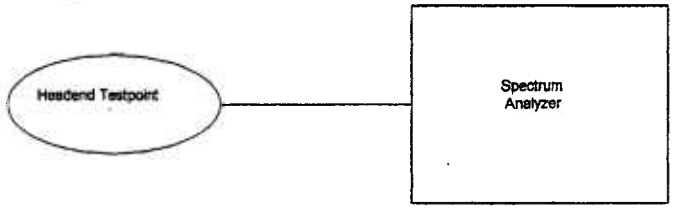
Picture Effect:

Various impairments

Recommended Procedures:

- All measurements to be made at the headend test point.
- Connect equipment as shown in block diagram below.
- Use a spectrum analyzer with a precision frequency option.
- Follow the manufacturers recommended methods for performing this measurement.
- Record the visual carrier frequency and intercarrier frequency difference of all system channels.
- Visual carrier frequencies in the frequency bands 108.0-137.0 Mhz and 225.0-400.00 Mhz need to be properly offset as per FCC Rule 76.612.
- For non-air nav visual frequencies you should observe the +/- 25 Khz tolerance.
- Lastly, follow sound engineering practices as outlined in the NCTA Recommended Practices for Measurements on Cable Television Systems.

Block Diagram:



VISUAL, AURAL CARRIER LEVELS AND 24 HR. VARIATION TESTS

(LEVEL REQUIREMENTS)

FCC 76.605 (a) (3), (4), (5)

Specification:

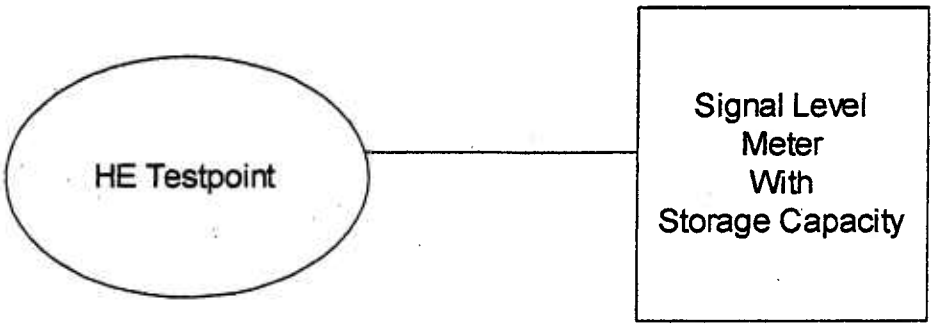
FCC: Levels and Variation Testing

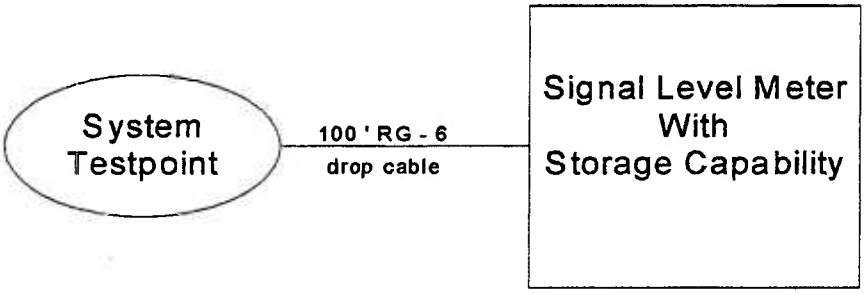
- Visual carrier level shall be no less than 0 dbmv at subscriber terminal and no less than +3 dbmv at the end of a 100' drop. FCC 76.605 (a)(3)
- Variance of adjacent (6 Mhz) visual carriers shall not vary by more than 3 db FCC 76.605(a)(4)
- Variance of non-adjacent channels video carrier levels shall not vary by more than 10 db plus 1 db for every 100 Mhz above 300 Mhz. FCC 76.605(a)(4)
- The aural carrier amplitude shall be between 10 db and 17 db down from the visual carrier FCC 76.605 (a)(5)
- For 24 hr variation testing, the visual signal level of each channel must be measured and recorded, along with the date, time of measurement, and temperature, once every 6 hours (at intervals of not less than 5 hours or no more than 7 hours after the last measurement), which shall include the coldest and warmest months (January or February and in July or August) during a 24 hour period. Visual signal level for each channel shall not vary by more than 8 db within 24 hours or in any 6 month interval. FCC 76.605 (a)(4). The level must also meet the requirements of FCC 76.605 (a)(3)(4)(5).

Recommended Procedures:

- Prior to the start of testing the Headend levels should be checked and adjusted to obtain no more than 1 db max peak to valley with all non-scrambled aural carriers approximately 14 db down from video.
- Store the Headend levels in the same meter that will be used for your system test point testing, note the time from the meter and the bin number that this was stored in. This will be entered into the Headend test forms at a later time.
- If you use more than one meter for your 24 hour test, then you should verify its response against the response of the meter used for headed and test point testing.
- At each test point you should again store the recorded levels prior to the converter. The Syracuse Division has decided to test prior to the converter and insert an attachment stating the specifications of the converter.
- For the 24 hour testing you should have a watch to note the time (or use automated time function on signal level meter) and should use either a thermometer to record the temperature or obtain this from the weather channel as the temperature reading from the

Block Diagram:





IN-CHANNEL FREQUENCY RESPONSE

FCC 76.605 (a) (6)

Specification:

FCC and Syracuse Division: +/- 2 db from 750 Khz to 5 Mhz above the lower frequency boundary of the cable television channel.

Picture Effect:

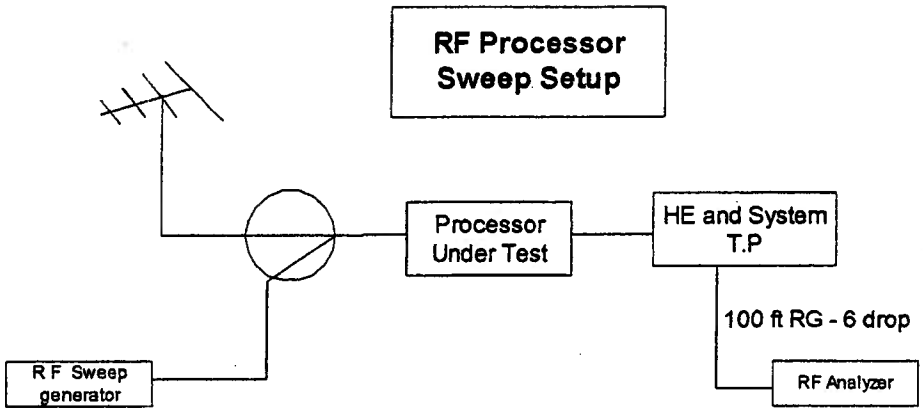
Variations can not only affect the relative amplitude of different frequency components of the visual signal, but relative visual carrier level and chroma delay. This could cause improper colors and poor picture quality.

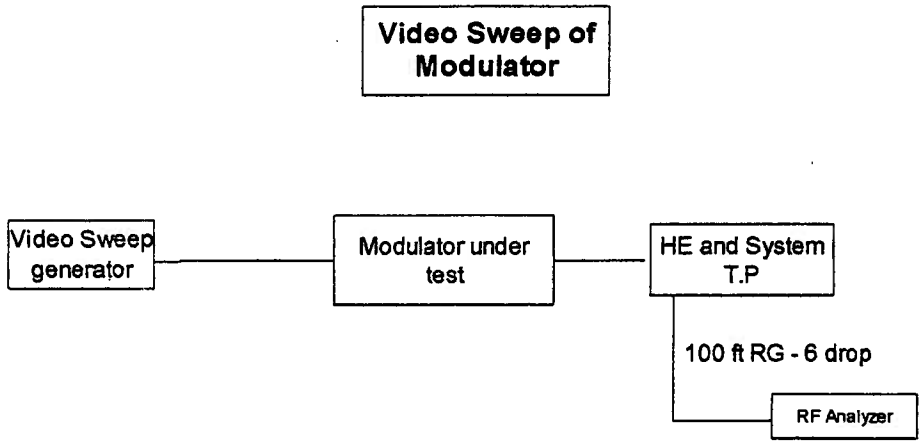
Recommended Procedures:

- Measurements should be made on all FCC designated test channels at each system test point. The frequency response of all other channels should be verified periodically at the headend test point.
- Connect equipment as shown in the block diagrams .
- This procedure varies based on the type of analyzer used and the type of channel, ie; modulator or processor. The block diagrams show the two most common setups for making this measurement.
- Record the +/- db number [(peak to valley) / (2)] on page 3 of 5 for each testpoint.
- Lastly, follow sound engineering practices as outlined in the NCTA Recommended Practices for Measurements on Cable Television Systems.

Note :- The FCC Rules state that this test be done after a converter. The Syracuse Division does the field test without a converter but includes a "typical" frequency response trace of the converter used in the system. The system and converter traces will show system total response.

Block Diagrams:





CARRIER TO NOISE RATIO

(C/N)

FCC 76.605 (a) (7)

Specification:

FCC: Minimum of 43 db

Syracuse Division: Minimum of 47 db prior to converter

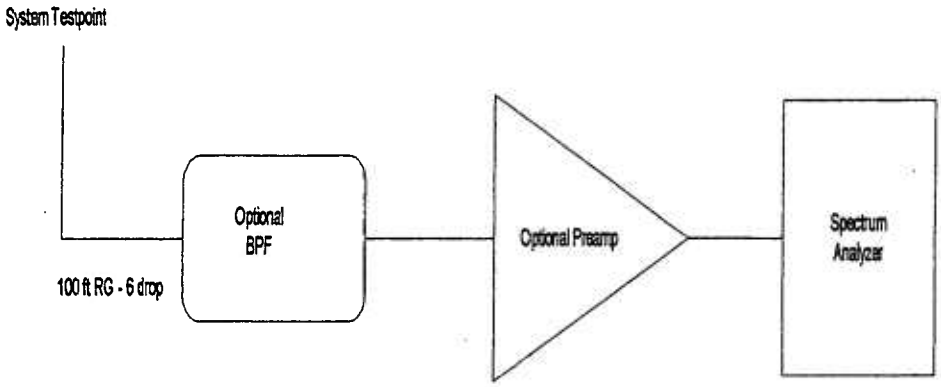
Picture Effect:

Noisy or snowy pictures. This can range from "imperceptible" at ratios above 47 db to "annoying" at levels less than 43 db.

Recommended Procedures:

- Measurements should be made on all of the test channels at each test point
- Connect equipment as shown in block diagram .
- Since most systems now have analyzers or signal level meters that automate this measurement, you should follow the manufacturers recommended method for this measurement. This would include such items as the proper RF input level required for measurement, the system noise floor higher than the analyzer noise floor, etc.
- Lastly, follow sound engineering practices as outlined in the NCTA Recommended Practices for Measurements on Cable Television Systems.

Block Diagrams:



COHERENT DISTURBANCES

(CTB, CSO, INTERMOD)

FCC 76.605 (a) (8)

Specification:

FCC: Ratio of visual signal level to coherent disturbances shall not be less than 51db

Syracuse Division: Minimum intermod, CSO and CTB is 55db

Picture Effect:

Interfering line patterns, horizontal line streaks, beats in the picture, etc.

Recommended Procedures:

- Measurements should be made on all test channels at each test point
- Connect equipment as shown in block diagram.
- Since most systems now have analyzers that automate these measurements, you should follow the manufacturers recommended method for performing these measurements. This would include such items as the proper RF input level that is required for the measurement, insuring that you are not overloading the front end of the analyzer, etc.
- Lastly, follow sound engineering practices as outlined in the NCTA Recommended Practices for Measurements on Cable Television Systems.

Note:

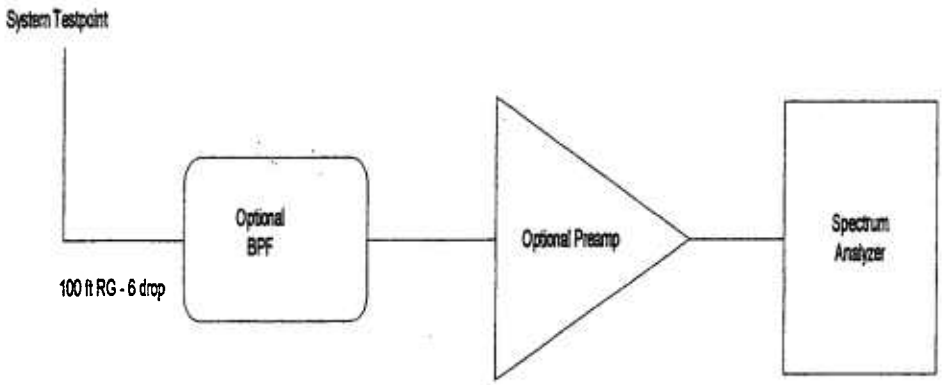
1) Intermod products can fall anywhere within a 6 Mhz bandwidth

2) CSO falls at +/- .75 Mhz and +/- 1.25 Mhz, we only need to record the positive offset numbers. If this measurement is automated, then it will give you the worst case number. This is fine as long as it meets or exceeds spec.

3) CTB will fall at the visual carrier frequency. When picking test channels for the FCC proof, you should pick one channel that yields worst case CTB for your specific channel loading. Because you have to turn the video carrier off at the headend to make the CTB measurement, make sure you are not testing any AGC pilot frequencies.

4) If testing a channel that falls in an off-air spectrum insure that CTB measurement is not measuring direct pick-up.

Block Diagrams:



LOW FREQUENCY DISTURBANCES

(HUM MODULATION)

FCC 76.605 (a) (10)

Specification:

FCC: Less than 3%

Syracuse Division: Less than 1%

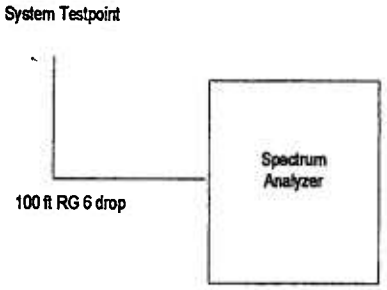
Picture Effect:

Horizontal bars or stripes slowly moving from the bottom of the screen to the top.

Recommended Procedures:

- Measurement must be made on at least one of the FCC designated test channels.
- Connect equipment as shown in block diagram below.
- Since all systems now have analyzers that automate this measurement, you should follow the manufacturers recommended method for this measurement. This would include such items as the proper RF input level required for measurement, and measurements made on a cw carrier etc.
- Lastly, follow sound engineering practices as outlined in the NCTA Recommended Practices for Measurements on Cable Television Systems.

Block Diagram:



TIME WARNER CABLE -- SYRACUSE DIVISION

FCC Proof - of - Performance Tests

System Name:	**Rome/Oneida**		
Plant Mileage:	1242	***As of***	January 2, 2003
Basic Subscribers:	43059	***As of***	January 2, 2003
System Bandwidth:	550 Mhz		
Number of Channels Tested:	9		
Number of Test Points:	9		
Test Start Date:	January 2, 2003		
Test Completion Date:	February 28, 2003		

TIME WARNER CABLE -- SYRACUSE DIVISION

SYSTEM NAME: Rome/Oneida

DATE: January 2, 2003

FCC TESTING SUMMARY

Changes Since Last Proof of Performance:

Dropped MAX/2 from channel 99
Moved L/O channels from channel 10 to channel 99
Added Weather Now to channel 10
Purchased Turin Cable system, this will be a node off the Boonville hub
approximately 120 subscibers
All test point locations have been changed resulting in no
24 hour variance from last test

Test Results:

All test and test points are in FCC compliance

Miscellaneous:

The Rome headend serves 7 hub sites, Oneida, Constantia, North Bay,
Camden, Boonville, Hamilton, Madison
Each hub is fed by fiber with a 1550 AM transmitter
Roadrunner and Digital Cable is available to all subscribers

TIME WARNER CABLE -- SYRACUSE DIVISION

SYSTEM NAME: Rome/Oneida **Date :** January 2, 2003

ACTUAL CHAN	CARRIER FREQ	CONV CHAN	TYPE	SC Y/	VITS Y/	CALL LTR	PROG SOURCE
2	55.2500	2	TV			WKTV	OFF-AIR
3	61.2500	3	TV			WSTM	OFF-AIR
4	67.2500	4	TV			WCNY	OFF-AIR
5	77.2500	5	TV			WTVH	OFF-AIR
6	83.2500	6	TV			HBO	SATELLITE
A-5(95)	91.2500	79	TV	Y		STARZ	SATELLITE
A-4(96)	97.2500	96	TV			LOCAL/ACC.	Sat/TW13
A-3(97)	103.2500						
A-2(98)	109.2750						
A-1(99)	115.2750	99	TV			WEATHER NOW	Local
A(14)	121.2625	14	TV			CKWS	FIBER
B(15)	127.2625	15	TV			WTBS	SATELLITE
C(16)	133.2625	16	TV			WGN	SATELLITE
D(17)	139.2500	17	TV	Y		C-SPAN	SATELLITE
E(18)	145.2500	18	TV			WSPX	SATELLITE
F(19)	151.3210	19	TV			QVC	SATELLITE
G(20)	157.2500	20	TV			HSN	SATELLITE
H(21)	163.2500	21	TV			USA	SATELLITE
I(22)	169.2500	22	TV			FAMILY	SATELLITE
7	175.2500	7	TV			WNYS	SATELLITE
8	181.2500	8	TV			WSYT	SATELLITE
9	187.2500	9	TV			WIXT	SATELLITE
10	193.2500	10	TV			LOCAL/ACC.	SATELLITE
11	199.2500	11	TV			WUTR	SATELLITE
12	205.2500	12	TV			WFXV	SATELLITE
13	211.2500	13	TV			WSBK	SATELLITE
J(23)	217.2500	23	TV	Y		PREVUE	SATELLITE
K(24)	223.2500	24	TV			ESPN	SATELLITE
L(25)	229.2625	25	TV	Y		ESPN/2	SATELLITE
M(26)	235.2625	26	TV			CNN	SATELLITE
N(27)	241.2625	27	TV			TNT	SATELLITE
O(28)	247.2625	28	TV			TNN	SATELLITE
P(29)	253.2625	29	TV			VH1	SATELLITE
Q(30)	259.2625	30	TV			TWC	SATELLITE
R(31)	265.2625	31	TV			A/P	SATELLITE
S(32)	271.2625	32	TV			A&E	SATELLITE
T(33)	277.2625	33	TV			NICK	SATELLITE
U(34)	283.2625	34	TV			E! TV	SATELLITE
V(35)	289.2625	35	TV			TDC	SATELLITE
W(36)	295.2625	36	TV			YES	SATELLITE
AA(37)	301.2625	37	TV			CMTV	SATELLITE
BB(38)	307.2625	38	TV			TLC	SATELLITE
CC(39)	313.2625	39	TV			TFN	SATELLITE
DD(40)	319.2625	40	TV			COURT TV	SATELLITE
EE(41)	325.2625	41	TV			EWTN	SATELLITE
FF(42)	331.2750	42	TV			MSNBC	SATELLITE
GG(43)	337.2625	43	TV	Y		CNN/HL	SATELLITE
HH(44)	343.2625	44	TV			F/X	SATELLITE
II(45)	349.2625	45	TV	Y		SPCH	SATELLITE
JJ(46)	355.2625	46	TV			HGTV	SATELLITE
KK(47)	361.2625	47	TV			SCI-FI	SATELLITE
LL(48)	367.2625	48	TV			LIFETIME	SATELLITE
MM(49)	373.2625	49	TV			COMEDY	SATELLITE
NN(50)	379.2625	50	TV			EMPIRE/SP	SATELLITE
OO(51)	385.2625	51	TV	Y		BRAVO	SATELLITE
PP(52)	391.2625	52	TV	Y		ODYSSEY	SATELLITE
QQ(53)	397.2625	53	TV	Y		TRAVEL	SATELLITE
RR(54)	403.2500	54	TV	Y		TVLAND	SATELLITE
SS(55)	409.2500	55	TV	Y		NGEO	SATELLITE
TT(56)	415.2500	56	TV			FOX NEWS	SATELLITE
UU(57)	421.2500	57	TV			HISTORY	SATELLITE
VV(58)	427.2500	58	TV			BET	SATELLITE
WW(59)	433.2500	59	TV	Y		CARTOON	SATELLITE
XX(60)	439.2500	60	TV	Y		AMC	SATELLITE
YY(61)	445.2500	61	TV	Y		MTV	SATELLITE
ZZ(62)	451.2500	62	TV	Y		CNBC	SATELLITE
63	457.2500	63	TV	Y		CSPAN2	SATELLITE
64	463.2500	64	TV	Y		CLASSIC SP.	SATELLITE
65	469.2500	65	TV	Y		MSG	SATELLITE
66	475.2500	66	TV	Y		TCM	SATELLITE
67	481.2500	67	TV	Y		GOLF	SATELLITE
68	487.2500	68	TV	Y		WE	SATELLITE
69	493.2500	69	TV	Y		DISNEY	SATELLITE
70	499.2500	70	TV	Y		LMN	SATELLITE
71	505.2500	71	TV	Y		V/CH	SATELLITE
72	511.2500	72	TV	Y		SHOP.NBC	SATELLITE
73	517.2500	73	TV	Y		OXYGEN	SATELLITE
74	523.2500	74	TV	Y		VC/4 & SPICE	SATELLITE
75	529.2500	75	TV	Y		SHOWTIME	SATELLITE
76	535.2500	76	TV	Y		HBO/2	SATELLITE
77	541.2500	77	TV	Y		MAX	SATELLITE
78	547.2500	78	TV	Y		SOAPNET	SATELLITE
79	553.0000						
80	559.0000						
81	565.0000						

TIME WARNER CABLE--SYRACUSE DIVISION

SYSTEM NAME: ONEIDA HUB **Date :** January 2, 2003

ACTUAL CHAN	CARRIER FREQ	CONV. CHAN.	TYPE	SC Y/	VITS Y	CALL LTR	PROG SOURCE	ACTUAL CHAN	CARRIER FREQ	CONV. CHAN.	TYPE	SC Y	VITS Y	CALL LTR	PROG SOURCE
2	55.25							DD(40)	319.26						
3	61.25							EE(41)	325.26						
4	67.25							FF(42)	331.28						
5	77.25							GG(43)	337.26						
6	83.25							HH(44)	343.26						
A-5(95)	91.25							II(45)	349.26						
A-4(96)	97.25							JJ(46)	355.26						
A-3(97)	103.25							KK(47)	361.26						
A-2(98)	109.275							LL(48)	367.26	48	TV			LIFETIME	SATELLITE
A-1(99)	115.275	99	TV			PUBLIC ACC.	LOCAL	MM(49)	373.26						
A(14)	121.2625							NN(50)	379.26						
B(15)	127.2625	15	TV			WTBS	SATELLITE	OO(51)	385.26						
C(16)	133.2625							PP(52)	391.26						
D(17)	139.25							QQ(53)	397.26						
E(18)	145.25							RR(54)	403.25						
F(19)	151.321							SS(55)	409.25						
G(20)	157.25							TT(56)	415.25						
H(21)	163.25	21	TV			USA	SATELLITE	UU(57)	421.25						
I(22)	169.25							VV(58)	427.25						
7	175.25							WW(59)	433.25						
8	181.25							XX(60)	439.25						
9	187.25							YY(61)	445.25	61	TV	Y		MTV	SATELLITE
10	193.25							ZZ(62)	451.25						
11	199.25							63	457.25						
12	205.25							64	463.25						
13	211.25							65	469.25						
J(23)	217.25							66	475.25						
K(24)	223.25	24	TV			ESPN	SATELLITE	67	481.25						
L(25)	229.2625							68	487.25						
M(26)	235.2625	26	TV			CNN	SATELLITE	69	493.25						
N(27)	241.2625	27	TV			TNT	SATELLITE	70	499.25						
O(28)	247.2625	28	TV			TNN	SATELLITE	71	505.25						
P(29)	253.2625							72	511.25						
Q(30)	259.2625	30	TV			TWC	SATELLITE	73	517.25						
R(31)	265.2625							74	523.25						
S(32)	271.2625	32	TV			A&E	SATELLITE	75	529.25						
T(33)	277.2625	33	TV			NICK	SATELLITE	76	535.25						
U(34)	283.2625							77	541.25						
V(35)	289.2625	35	TV			TDC	SATELLITE	78	547.25						
W(36)	295.2625							79	553						
AA(37)	301.2625							80	559						
BB(38)	307.2625							81	565						
CC(39)	313.2625														

TIME WARNER CABLE--SYRACUSE DIVISION

SYSTEM NAME: CAMDEN HUB **Date :** January 2, 2003

ACTUAL CHAN	CARRIER FREQ	CONV CHAN	TYPE	SC TV	VITS TV	CALL LTR	PROG SOURCE	ACTUAL CHAN	CARRIER FREQ	CONV CHAN	TYPE	SC TV	VITS TV	CALL LTR	PROG SOURCE
2	55.25							DD(40)	319.26						
3	61.25							EE(41)	325.26						
4	67.25							FF(42)	331.28						
5	77.25							GG(43)	337.26						
6	83.25							HH(44)	343.26						
A-5(95)	91.25							II(45)	349.26						
A-4(96)	97.25							JJ(46)	355.26						
A-3(97)	103.25							KK(47)	361.26						
A-2(98)	109.275							LL(48)	367.26						
A-1(99)	115.275	99	TV			LOCAL	LOCAL	MM(49)	373.26						
A(14)	121.2625							NN(50)	379.26						
B(15)	127.2625							OO(51)	385.26						
C(16)	133.2625							PP(52)	391.26						
D(17)	139.25							QQ(53)	397.26						
E(18)	145.25							RR(54)	403.25						
F(19)	151.321							SS(55)	409.25						
G(20)	157.25							TT(56)	415.25						
H(21)	163.25							UU(57)	421.25						
I(22)	169.25							VV(58)	427.25						
7	175.25							WW(59)	433.25						
8	181.25							XX(60)	439.25						
9	187.25							YY(61)	445.25						
10	193.25							ZZ(62)	451.25						
11	199.25							63	457.25						
12	205.25							64	463.25						
13	211.25							65	469.25						
J(23)	217.25							66	475.25						
K(24)	223.25							67	481.25						
L(25)	229.2625							68	487.25						
M(26)	235.2625							69	493.25						
N(27)	241.2625							70	499.25						
O(28)	247.2625							71	505.25						
P(29)	253.2625							72	511.25						
Q(30)	259.2625							73	517.25						
R(31)	265.2625							74	523.25						
S(32)	271.2625							75	529.25						
T(33)	277.2625							76	535.25						
U(34)	283.2625							77	541.25						
V(35)	289.2625							78	547.25						
W(36)	295.2625							79	553						
AA(37)	301.2625							80	559						
BB(38)	307.2625							81	565						
CC(39)	313.2625														

TIME WARNER CABLE--SYRACUSE DIVISION

SYSTEM NAME: BOONVILLE HUB **Date :** January 2, 2003

ACTUAL CHAN.	CARRIER FREQ.	CONV. CHAN.	TYPE	SCRY	VITSY	CALL LTR.	PROG SOURCE
2	55.25						
3	61.25	3	TV			WWNY	OFF-AIR
4	67.25						
5	77.25						
6	83.25						
A-5(95)	91.25						
A-4(96)	97.25						
A-3(97)	103.25						
A-2(98)	109.275						
A-1(99)	115.275	99	TV			PUBLIC ACC.	LOCAL
A(14)	121.2625						
B(15)	127.2625						
C(16)	133.2625						
D(17)	139.25						
E(18)	145.25						
F(19)	151.321						
G(20)	157.25						
H(21)	163.25						
I(22)	169.25						
7	175.25						
8	181.25	8	TV		Y	WPBS	OFF-AIR
9	187.25						
10	193.25						
11	199.25						
12	205.25						
13	211.25						
J(23)	217.25						
K(24)	223.25						
L(25)	229.2625						
M(26)	235.2625						
N(27)	241.2625						
O(28)	247.2625						
P(29)	253.2625						
Q(30)	259.2625						
R(31)	265.2625						
S(32)	271.2625						
T(33)	277.2625						
U(34)	283.2625						
V(35)	289.2625						
W(36)	295.2625						
AA(37)	301.2625						
BB(38)	307.2625						
CC(39)	313.2625						
DD(40)	319.26						
EE(41)	325.26						
FF(42)	331.28						
GG(43)	337.26						
HH(44)	343.26						
II(45)	349.26						
JJ(46)	355.26						
KK(47)	361.26						
LL(48)	367.26						
MM(49)	373.26						
NN(50)	379.26						
OO(51)	385.26						
PP(52)	391.26						
QQ(53)	397.26						
RR(54)	403.25						
SS(55)	409.25						
TT(56)	415.25						
UU(57)	421.25						
VV(58)	427.25						
WW(59)	433.25						
XX(60)	439.25						
YY(61)	445.25						
ZZ(62)	451.25						
63	457.25						
64	463.25						
65	469.25						
66	475.25						
67	481.25						
68	487.25						
69	493.25						
70	499.25						
71	505.25						
72	511.25						
73	517.25						
74	523.25						
75	529.25						
76	535.25						
77	541.25						
78	547.25						
79	553						
80	559						
81	565						

TIME WARNER CABLE--SYRACUSE DIVISION

SYSTEM NAME: **HAMILTON HUB** ***Date :*** January 2, 2003

ACTUAL CHAN.	CARRIER FREQ.	CONV. CHAN.	TYPE	SC. Y/N	V/TS Y/N	CALL LTR.	PROG SOURCE	ACTUAL CHAN.	CARRIER FREQ.	CONV. CHAN.	TYPE	SC. Y/N	V/TS Y/N	CALL LTR.	PROG SOURCE
2	55.25							DD(40)	319.26						
3	61.25							EE(41)	325.26						
4	67.25							FF(42)	331.28						
5	77.25							GG(43)	337.26						
6	83.25							HH(44)	343.26						
A-5(95)	91.25							II(45)	349.26						
A-4(96)	97.25							JJ(46)	355.26						
A-3(97)	103.25							KK(47)	361.26						
A-2(98)	109.275							LL(48)	367.26						
A-1(99)	115.275							MM(49)	373.26						
A(14)	121.2625							NN(50)	379.26						
B(15)	127.2625							OO(51)	385.26						
C(16)	133.2625							PP(52)	391.26						
D(17)	139.25							QQ(53)	397.26						
E(18)	145.25							RR(54)	403.25						
F(19)	151.321							SS(55)	409.25						
G(20)	157.25							TT(56)	415.25						
H(21)	163.25							UU(57)	421.25						
I(22)	169.25							VV(58)	427.25						
7	175.25							WW(59)	433.25						
8	181.25							XX(60)	439.25						
9	187.25							YY(61)	445.25						
10	193.25	10	TV			PUBLIC ACC.	LOCAL	ZZ(62)	451.25						
11	199.25	11	TV			WSKG	OFF-AIR	63	457.25						
12	205.25							64	463.25						
13	211.25							65	469.25						
J(23)	217.25							66	475.25						
K(24)	223.25							67	481.25						
L(25)	229.2625							68	487.25						
M(26)	235.2625							69	493.25						
N(27)	241.2625							70	499.25						
O(28)	247.2625							71	505.25						
P(29)	253.2625							72	511.25						
Q(30)	259.2625							73	517.25						
R(31)	265.2625							74	523.25						
S(32)	271.2625							75	529.25						
T(33)	277.2625							76	535.25						
U(34)	283.2625							77	541.25						
V(35)	289.2625							78	547.25						
W(36)	295.2625							79	553						
AA(37)	301.2625							80	559						
BB(38)	307.2625							81	565						
CC(39)	313.2625														

RATE MUX MBER	QAM NAME	QAM FREQUENCY	ANALOG CHANNEL	MOD. TYPE	SESSION NUMBER	MPEG IN	MPEG OUT	G-BIG MPEG	SERVICE	QAM SOURCE	DIGITAL CHANNEL
SWIF *	QAM1	567MHz	81	64	Below 20			128-138	BFS,IPG,etc.	DNCS	N/A
SLOT 2 PORT 1		BIG QAM	reserve 24 sessions								
2B	QAM2	591 / 525 MHz	85 / 74	256	1911	12	12	12	iNDemand 1	Satcom C3 Tr 3	401
QUAD	10	reserve 20 sessions			1916	6	6	6	iNDemand 2	Satcom C3 Tr 3	402
ASI	Rmux ad	172.16.4.222			1913	3	3	3	iNDemand 3	Satcom C3 Tr 3	403
SLOT 1					1914	4	4	4	iNDemand 4	Satcom C3 Tr 3	404
PORT 1					1915	5	5	5	iNDemand 5	Satcom C3 Tr 3	405
					1917	7	7	7	iNDemand 6	Satcom C3 Tr 3	406
					1912	2	2	2	HC	Satcom C3 Tr 3	490
	Tune to analog in the North Country				1130	2	22	22	History	C3T12 -RTE -BB3-6 - BB2-13	130
					1218	3	8	8	GAC	C3T20 -RTE -BB3-7 - BB2-13	141
					1217	1	1	1	TBN	G5T3 - RTE -BB3-8 - BB2-13	190
1A	QAM3	597 / 507 MHz	86 / 71	256	1300	1	1	1	HBO East	Galaxy 1 Tr 23(I)	300
QUAD	12	reserve 20 sessions			1301	2	2	2	HBO Plus East	Galaxy 1 Tr 23(I)	302
ASI	Rmux ad	172.16.4.220			1302	3	3	3	HBO Signature East	Galaxy 1 Tr 23(I)	304
SLOT 5					1303	4	4	4	HBO Family East	Galaxy 1 Tr 23(I)	306
PORT1					1307	8	8	8	HBO Latino East	Galaxy 1 Tr 23(I)	312
					1310	21	21	21	Max East	Galaxy 1 Tr 23(I)	320
					1311	22	22	22	More Max East	Galaxy 1 Tr 23(I)	322
					1313	23	23	23	Action Max East	Galaxy 1 Tr 23(I)	326
					1370	7	7	7	WMAX East	Galaxy 1 Tr 18(I)	328
					1371	27	27	27	@MAX East	Galaxy 1 Tr 18(I)	329
					1372	44	44	44	5 StarMAX East	Galaxy 1 Tr 18(I)	330
					1373	30	30	30	OuterMAX East	Galaxy 1 Tr 18(I)	331
	Not built in the North Country				9030				Conf		
1B	QAM4	603 / 513 MHz	87 / 72	256	1312	24	24	24	Thriller Max East	Galaxy 1 Tr 18(I)	324
QUAD	13	reserve 20 sessions			1305	26	26	26	HBO Zone East	Galaxy 1 Tr 18(I)	310
ASI	Rmux ad	172.16.4.248			1304	6	11	11	HBO Comedy East	Galaxy 1 Tr 18(I)	308
SLOT 5					1113	7	7	7	Encore	Galaxy 1 Tr 13	200
PORT2					1201	8	8	8	Encore West	Galaxy 1 Tr 13	201
					1206	9	9	9	WAM!	Galaxy 1 Tr 13	207
					1330	1	1	1	Starz!	Galaxy 1 Tr 13	360
					1357	2	2	2	Starz! West	Galaxy 1 Tr 13	361
					1331	3	3	3	Starz!2	Galaxy 1 Tr 13	362
					1332	4	4	4	Starz!4 Family	Galaxy 1 Tr 13	364
					1333	6	6	6	Starz!5 Cinema	Galaxy 1 Tr 13	366
					1358	10	10	10	Starz!5 Cinema West	Galaxy 1 Tr 13	367
					1334	5	5	5	Bet Movies	Galaxy 1 Tr 13	368
3A	QAM5	621 / 531 MHz	90 / 75	256	1918	8	8	8	iNDemand 7	Satcom C4 Tr 18	407
QUAD	9	reserve 20 sessions			1919	9	9	9	iNDemand 8	Satcom C4 Tr 18	408
ASI	Rmux ad	172.16.4.246			1920	10	10	10	iNDemand 9	Satcom C4 Tr 18	409
SLOT 1					1921	11	11	11	iNDemand 10	Satcom C4 Tr 18	410
PORT 2					1922	1	1	1	iNDemand 11	Satcom C4 Tr 18	411
					1923	12	12	12	iNDemand 12	Satcom C4 Tr 18	412
					2913	13	13	13	iNDemand 13	Satcom C4 Tr 18	413
					2914	14	14	14	iNDemand 14	Satcom C4 Tr 18	414
					1219	6	3	3	Nat Geo	Satcom C3 Tr 1	128
					1100	1	2	2	MSG	Local MPEG Encoders	100
3B	QAM6	627 / 537 MHz	91 / 76	256	2915	1	1	1	iNDemand 15	Telstar 7 Tr 2	415
QUAD	13	reserve 20 sessions			2916	2	2	2	iNDemand 16	Telstar 7 Tr 2	416
ASI	Rmux ad	172.16.4.221			2917	3	3	3	iNDemand 17	Telstar 7 Tr 2	417
SLOT 1					2918	4	4	4	iNDemand 18	Telstar 7 Tr 2	418
PORT 3					2919	5	5	5	iNDemand 19	Telstar 7 Tr 2	419
					2920	6	6	6	iNDemand 20	Telstar 7 Tr 2	420
					2921	7	7	7	iNDemand 21	Telstar 7 Tr 2	421
					2922	8	8	8	iNDemand 22	Telstar 7 Tr 2	422
					1180	3	5	115	CSPAN-3	G10T20 BB2-3 - BB2-13	133
					1116	4	6	113	Toon Disney	G10T20 BB2-3 - BB2-13	172
					1117	1	3	114	ESPN News	G10T20 BB 2-3 - BB2-13	107
					1102	2	38	38	ESPN Classic	G10T20 BB 2-3 - BB2-13	101
					1161	8	39	39	Health	C3T22 - BB3-5 - BB2-13	161

6B	QAM7	639 / 495 MHz	93 / 69	256	1362	11	11	11	HBO West	Galaxy 1 Tr 23(Q)	301
QUAD	11				1363	12	12	12	HBO Plus West	Galaxy 1 Tr 23(Q)	303
ASI	Rmux ad	172.16.4.245			1364	13	13	13	HBO Signature West	Galaxy 1 Tr 23(Q)	305
SLOT 7					1365	14	14	14	HBO Family West	Galaxy 1 Tr 23(Q)	307
PORT 3					1366	18	18	18	HBO Latino West	Galaxy 1 Tr 23(Q)	313
					1367	31	31	31	Max West	Galaxy 1 Tr 23(Q)	321
					1368	32	32	32	More Max West	Galaxy 1 Tr 23(Q)	323
					1369	33	33	33	Action Max West	Galaxy 1 Tr 23(Q)	327
					1374	15	15	15	HBO Cmdy West	Galaxy 1 Tr 18(Q)	309
					1375	16	16	16	HBO Zone West	Galaxy 1 Tr 18(Q)	311
					1376	34	34	34	Thriller Max West	Galaxy 1 Tr 18(Q)	325
4B	QAM8	645 / 543 MHz	94 / 77	256	1202	1	1	1	Encore Action	Galaxy 1 Tr 3	202
QUAD	13	reserve 20 sessions			1203	3	3	3	Encore Love	Galaxy 1 Tr 3	203
ASI	Rmux ad	172.16.4.247			1204	5	5	5	Encore Mystery	Galaxy 1 Tr 3	204
SLOT 3					1205	9	9	9	Encore Westerns	Galaxy 1 Tr 3	205
PORT 1					1207	7	7	7	Encore True	Galaxy 1 Tr 3	206
					1947	13	13	13	iNDemand Barker	Telstar 7 Tr 4	400
					2931	1	10	10	iNDemand 31	Telstar 7 Tr 4	431
					2932	2	2	2	iNDemand 32	Telstar 7 Tr 4	432
					2933	3	11	11	iNDemand 33	Telstar 7 Tr 4	433
					2934	4	4	4	iNDemand 34	Telstar 7 Tr 4	434
					1999	6	12	12	Spice	Telstar 7 Tr 4	492
					1998	7	6	6	Spice 2	Telstar 7 Tr 4	493
					2494	8	8	8	Pleasure	Telstar 7 Tr 4	494
5A	QAM9	657 / 561 MHz	101 / 80	256	2923	1	1	1	iNDemand 23	Telstar 7 Tr 3	423
QUAD	12	reserve 20 sessions			2924	2	2	2	iNDemand 24	Telstar 7 Tr 3	424
ASI	Rmux ad	172.16.4.250			2925	3	3	3	iNDemand 25	Telstar 7 Tr 3	425
SLOT 2					2926	4	4	4	iNDemand 26	Telstar 7 Tr 3	426
PORT 2					2927	5	5	5	iNDemand 27	Telstar 7 Tr 3	427
					2928	6	6	6	iNDemand 28	Telstar 7 Tr 3	428
					2929	7	7	7	iNDemand 29	Telstar 7 Tr 3	429
					2930	8	8	8	iNDemand 30	Telstar 7 Tr 3	430
					1104	5	48	48	Speed Channel	C3T1 - BB2-7 - BB2-12	103
	Not in North Country				1127	10	10	10	Fine Living	Telstar 7 Tr 3	159
					5061	4	43	43	IFC	T7T14 - BB3-6 - BB2-12	209
					1948	9	9	9	iControl Barker	Telstar 7 Tr 3	
					1997	8	49	49	Playboy	T7T15 - BB2-6 - BB2-12	491
ASI N/A	QAM10	663 / 585 MHz	102 / 79	256	1183	1	59	59	TRIO	G1RT24 - BB3-4 - BB2-11	152
QUAD	9	reserve 20 sessions			1185	2	60	60	Newsworld Int	G1RT24 - BB3-4 - BB2-11	134
ASI					2106	8	54	54	FOX Sports World	C3T1 - BB2-7 - BB2-11	106
SLOT 2					1141	1	56	56	Bet on Jazz	G11T3 - BB2-1 - BB2-11	145
PORT 3					1150	3	57	57	Ovation	G11T13 - BB3-4 - BB2-11	150
					1162	2	58	58	Game Show Network	C3T8 - BB3-4 - BB2-11	162
					1350	1	52	52	Disney E	G5T1-RTE - BB2-5 - BB2-11	170
					1351	1	53	53	Disney W	G1T7 - BB3-3 - BB2-11	171
					1106	1	2	2	Outdoor Channel	G10T24 - BB2-4 - BB2-11	105

7B	QAM11	669 / 549 MHz	103 / 78	256	1120	2	2	2	Discovery Kids	***	Satcom C3 Tr 22	120
QUAD	10-Video	reserve 127 sessions			1121	3	3	3	Discovery Science	***	Satcom C3 Tr 22	121
ASI	45-Audio				2132	1	1	1	Discovery Health	***	Satcom C3 Tr 22	123
SLOT 4	Rmux ad	172.16.4.223			1122	7	4	4	Discovery Wings	***	Satcom C3 Tr 22	122
PORT 1					1213	5	55	55	Discovery Civilizations	***	Satcom C3 Tr 22	124
					1212	4	54	54	Discovery Home & L.	***	Satcom C3 Tr 22	125
					1124	6	50	50	BBC America	***	Satcom C3 Tr 22	129
					1110	4	52	52	TCM	***	Galaxy 1R Tr 15	110
					1105	2	51	51	CNN-SI	***	Galaxy 1R Tr 15	104
					1133	1	53	53	CNN-FN	***	Galaxy 1R Tr 15	132
					1500	5		43	Showcase		Satcom C3 Tr 9	701
					1501	6		42	Today's Country		Satcom C3 Tr 9	702
					1502	7		49	Classic Country		Satcom C3 Tr 9	703
					1503	8		41	Americana		Satcom C3 Tr 9	704
					1504	9		40	Bluegrass		Satcom C3 Tr 9	705
					1505	10		39	R&B and Hip-Hop		Satcom C3 Tr 9	706
					1506	11		38	Classic R&B		Satcom C3 Tr 9	707
					1507	12		50	Smooth R&B		Satcom C3 Tr 9	708
					1508	13		33	Rap		Satcom C3 Tr 9	709
					1509	14		32	Metal		Satcom C3 Tr 9	710
					1510	15		29	Rock		Satcom C3 Tr 9	711
					1511	16		26	Power Rock		Satcom C3 Tr 9	712
					1512	17		23	Classic Rock		Satcom C3 Tr 9	713
					1513	18		17	Alternative Rock		Satcom C3 Tr 9	714
					1514	19		15	Electronica		Satcom C3 Tr 9	715
					1515	20		14	Dance		Satcom C3 Tr 9	716
					1516	21		36	Progressive		Satcom C3 Tr 9	717
					1517	22		35	Soft Rock		Satcom C3 Tr 9	718
					1518	23		34	Hit List		Satcom C3 Tr 9	719
					1519	24		30	Party Faviorites		Satcom C3 Tr 9	720
					1520	25		18	80's		Satcom C3 Tr 9	721
					1521	26		9	New Wave		Satcom C3 Tr 9	722
					1522	27		10	70's		Satcom C3 Tr 9	723
					1523	28		11	Solid Gold Oldies		Satcom C3 Tr 9	724
					1524	29		12	Singers & Standards		Satcom C3 Tr 9	725
					1525	30		13	Big Band & Swing		Satcom C3 Tr 9	726
					1526	31		47	Easy Listening		Satcom C3 Tr 9	727
					1527	32		48	Smooth Jazz		Satcom C3 Tr 9	728
					1528	33		16	Jazz		Satcom C3 Tr 9	729
					1529	34		22	Blues		Satcom C3 Tr 9	730
					1530	35		45	Reggae		Satcom C3 Tr 9	731
					1531	36		46	Soundscapes		Satcom C3 Tr 9	732
					1532	37		28	Classical Masterpieces		Satcom C3 Tr 9	733
					1533	38		27	Opera		Satcom C3 Tr 9	734
					1534	39		31	Light Classical		Satcom C3 Tr 9	735
					1535	40		19	Show Tunes		Satcom C3 Tr 9	736
					1536	41		20	Contemporary Christian		Satcom C3 Tr 9	737
					1537	42		21	Gospel		Satcom C3 Tr 9	738
					1538	43		37	For Kids Only		Satcom C3 Tr 9	739
					1539	44		44	Sounds of the Seasons		Satcom C3 Tr 9	740
					1540	45		4	Musica Latina		Satcom C3 Tr 9	741
					1541	46		5	Salsa Merengue		Satcom C3 Tr 9	742
					1542	47		6	Rock 'En Espanol		Satcom C3 Tr 9	743
					1543	48		7	Latin Love Songs		Satcom C3 Tr 9	744
					1544	49		8	Mexicana		Satcom C3 Tr 9	745
2A	QAM12	675 / 619 MHz	104 / 73	256	1341	7	7	7	TMC 2		Satcom C3 Tr 19	351
QUAD	13	reserve 20 sessions			1340	4	4	4	TMC		Satcom C3 Tr 19	350
ASI	Rmux ad	172.16.4.251			1352	8	8	8	Showtime Beyond		Satcom C3 Tr 19	344
SLOT 5					1323	9	9	9	Showtime Extreme		Satcom C3 Tr 19	343
PORT 3					1322	3	3	3	Showtime 3		Satcom C3 Tr 19	342
					1321	2	2	2	Showtime Too		Satcom C3 Tr 19	341
					1320	1	1	1	Showtime East		Satcom C3 Tr 19	340
					1324	5	5	5	FLIX		Satcom C3 Tr 19	18 W'twn
	Analog Everywhere except North Country				1114	10	108	108	Lifetime Movie Ntwk		T7T14 - BB3-6 - BB2-12	112
					1190	50	50	50	MuchMusic		T7T14 - BB3-6 - BB2-12	143
					1181	4	109	109	Bloomberg		C3T8 - BB3-1 - BB2-12	135
					1112	7	45	45	FXM		C3T1 - BB2-7 - BB2-12	208

4A	QAM13	711 / n/a MHz	110	256	1600	1	1	1	NBA / WNBA CH.	GE 1 Tr 8	460
	14				1601	2	12	12	NBA / WNBA PPV 1	GE 1 Tr 8	461
	Rmux ad	172.16.4.219			1602	3	13	13	NBA / WNBA PPV 2	GE 1 Tr 8	462
					1603	4	14	14	NBA / WNBA PPV 3	GE 1 Tr 8	463
					1604	5	15	15	NBA / WNBA PPV 4	GE 1 Tr 8	464
					1605	6	16	16	NBA / WNBA PPV 5	GE 1 Tr 8	465
					1471	2	2	2	ESPN sports pkg 1	G7 (G11) Tr 6 Hits Feed (KU)	472
					1472	3	3	3	ESPN sports pkg 2	G7 (G11) Tr 6 Hits Feed (KU)	473
					1473	4	4	4	ESPN sports pkg 3	G7 (G11) Tr 6 Hits Feed (KU)	474
					1474	5	5	5	ESPN sports pkg 4	G7 (G11) Tr 6 Hits Feed (KU)	475
					1475	6	6	6	ESPN sports pkg 5	G7 (G11) Tr 6 Hits Feed (KU)	476
					1476	7	7	7	ESPN sports pkg 6	G7 (G11) Tr 6 Hits Feed (KU)	477
					1477	8	8	8	ESPN sports pkg 7	G7 (G11) Tr 6 Hits Feed (KU)	478
					1478	10	10	10	ESPN sports pkg 8	G7 (G11) Tr 6 Hits Feed (KU)	479
5B QUAD ASI SLOT 2 PORT 2	QAM14	717 / 579 MHz	111 / 83	256	9001	1	1	1	NHL / MLB 1	GE 1 Tr 13	480
	15				9002	2	2	2	NHL / MLB 2	GE 1 Tr 13	481
	Rmux ad	172.16.4.253			9003	3	3	3	NHL / MLB 3	GE 1 Tr 13	482
					9004	4	4	4	NHL / MLB 4	GE 1 Tr 13	483
					9005	5	5	5	NHL / MLB 5	GE 1 Tr 13	484
					9006	6	6	6	NHL / MLB 6	GE 1 Tr 13	485
					9007	7	7	7	NHL / MLB 7	GE 1 Tr 13	486
					9008	8	8	8	NHL / MLB 8	GE 1 Tr 13	487
					9009	9	9	9	NHL / MLB 9	GE 1 Tr 13	488
					1306	51	51	51	HBO East HDTV	Telstar 7 Tr 17	391
6A QUAD ASI 7 PORT1	QAM15	735 / 489 MHz	114 / 68	256	1359	6	6	6	Starz!2 West	Satcom C4 Tr 5	363
	Rmux ad	172.16.4.249			1361	8	8	8	Starz!4 Family West	Satcom C4 Tr 5	365
	Not in North Country				1125	20	20	20	History Int	T7-T14 BB3-6 BB2-14	130
	Not in North Country				1126	30	30	30	Biography	T7-T14 BB3-6 BB2-14	127
					1360	7	7	7	Bet Movies West	Satcom C4 Tr 5	369
					1131	1	46	46	Court TV	C3T6 - BB2-8 - BB2-12	131
					1160	1	1	107	Style	C3T8 - BB3-1 - BB2-12	160
6A QUAD ASI 7 PORT1	QAM16	741 / 489 MHz	115 / 68	256	1353	1	1	1	Showtime Next	Satcom C3 Tr 16	345
	1-HDTV, 3 std		reserve 6 sessions		1355	3	3	3	Showtime Women	Satcom C3 Tr 16	346
	Rmux ad	n/a			1354	2	2	2	Showtime Family	Satcom C3 Tr 16	347
	HD not in North Country				1356	8	8	N/A	Showtime HDTV	Satcom C3 Tr 16	392
7A QUAD ASI 7 PORT 2	QAM17	633 / 501 MHz	92 / 70	256	1208	4	1	1	VH1 Classic	Satcom C3 Tr 15	144
	11				1209	8	2	2	Nick GAS	Satcom C3 Tr 15	175
	Rmux ad	172.16.4.224			1210	10	3	3	Nick Too	Satcom C3 Tr 15	174
					1211	1	4	4	International Channel	Galaxy 11 Tr 24	139
					1214	5	8	8	Boomerang	Galaxy 1R Tr 15	176
					1215	70	10	10	Do-It-Yourself	Telstar 7 Tr 14	138
					1216	60	9	9	Tech TV	Telstar 7 Tr 14	137
					1163	4	14	14	America's Store	G1T24 - BB3-4 - BB2-14	163
					1182	1	5	5	MTV2	C3T15	142
					1184	7	7	7	Noggin	C3T15	173
					1221	80	80	80	CNBC World	Telstar 7 Tr 14	136
	QAM18	747 / NA MHz	116	256	3103	1	4	N/A	MC Concerts -- RTE	Satcom C4 Tr 5 BB8-1 - BB3-11	254
					9031	4	4	4	Weather Now	BB8-1 - BB3-11	10
					1065	8	8	8	Lifetime Real Women	BB8-3 - BB3-11	112
		Colgate only			1079	1	1	1	Univision	BB8-2 - BB3-11	
					1606	1	15	15	NBA / WNBA PPV 6	GE 1 Tr 14	466
					1607	2	10	10	NBA / WNBA PPV 7	GE 1 Tr 14	467
					1608	3	11	11	NBA / WNBA PPV 8	GE 1 Tr 14	468
					1609	4	12	12	NBA / WNBA PPV 9	GE 1 Tr 14	469
					1610	5	13	13	NBA / WNBA PPV 10	GE 1 Tr 14	470
					1611	6	14	14	NBA / WNBA PPV 11	GE 1 Tr 14	471
	QAM 19	693/NA MHz			2065	1	1	1	WCNY SD/HD1		850
					2066	2	2	2	UWCNY KIDS		851
					2067	3	3	3	WCNY YOU		852
					2068	4	4	4	WCNY HD		853
	QAM 20	687/NA MHz			1005	2	2	2	WSTM HD		863

* 33 foot limitation for SWIF connections

** Rate Mux feed not required if DHEI splitter used. Rate Mux channel could be used for expansion such as Showtime/TMC west coast feeds.

TIME WARNER CABLE -- SYRACUSE DIVISION

SYSTEM NAME: Rome / Oneida

DATE: January 2, 2003

NON-VIDEO SERVICES

CARRIER FREQ	DESCRIPTION	BANDWIDTH	PROG SOURCE
53	SST	1MHz	Headend
106.2	S/A ATX-DATA	1MHz	Headend
108.2	S/A ATX-DATA	1MHz	Headend
111	QPSK-MOD-DATA	1MHz	Headend
573	DOCSIS-RR	6MHz	Headend
579	MOTOROLA-RR	6MHz	Headend
105	3010H	1MHz	Headend

TIME WARNER CABLE -- SYRACUSE DIVISION

Statement of Qualifications

System Name: **Rome/Oneida**

Employee Name:	Mark D'Aoust	***Title:***	Field Engineer
System:	Rome		
Qualifications:			
	NCTI COURSES		
	19 YEARS CATV EXPERIENCE		
	TIME WARNER /SYRACUSE DIVISION		
	FCC SCHOOL 1996/1998/2002		

Employee Name:	Joel Marmon	***Title:***	Headend Tech
System:	Rome		
Qualifications:			
	NCTI FIBER OPTICS		
	NCTI TESTS AND MEASUREMENTS		
	NCTI ADVANCED TECH.		
	16 YEARS CATV EXPERIENCE		

Employee Name:	Gregg Cobb	***Title:***	Maint. Tech
System:	Ilion		
Qualifications:			
	NCTI COURSES		
	TIME WARNER FIBER OPTIC 1		
	TIME WARNER FCC SCHOOL		
	21 YEARS CATV EXPERIENCE		

TIME WARNER CABLE -- SYRACUSE DIVISION

Test Equipment Listings

System Name: **Rome / Oneida**

Date: January 2, 2003

Test Equipment				
Equipment Description	*Model #*	*Manufacturer*	*Serial #*	*Last Calib*
ANALYZER	8591C	H-P	3829A02865	11/01
NTSC GENERATOR	TSG-120	TEKTRONIX	B031159	N/A
TUNABLE BPF	55/880	TRILITHIC	9909070	N/A
20 DB AMPLIFIER	AM1000	TRILITHIC	9910147	N/A
SLM	3010	CALAN/HP	US37241488	1/00
SLM	3010R	CALAN/HP	US40306138	1/01

TIME WARNER CABLE -- SYRACUSE DIVISION

Terminal Isolation Test

System Name: **Rome / Oneida**

Date: January 2, 2003

The terminal isolation provided to each subscriber terminal shall not be less than 18 decibels. In lieu of periodic testing, the cable operator may use specifications provided by the manufacturer for the terminal isolation equipment to meet this standard.

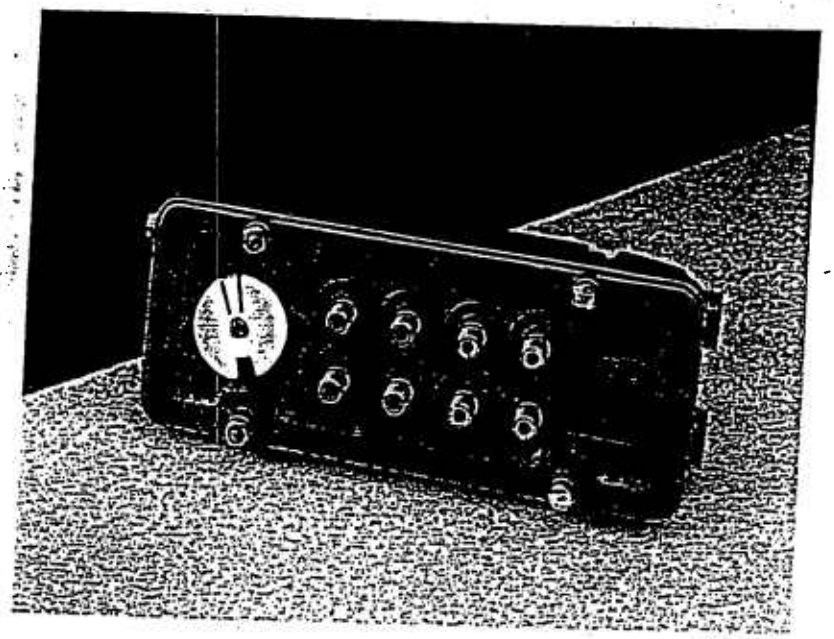
Instructions:

Attach a copy of the manufacturer's specifications covering all directional taps used in the system. The specification sheet must show the minimum tap-to-tap isolation. In lieu of a specification sheet, attach a letter from the manufacturer(s) certifying that the directional taps used in the system do exhibit a minimum tap-to-tap isolation of 18dB.

Transmission Systems

Multimedia Stretch Taps

Scientific Atlanta



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Networks delivering advanced applications and services have unique, dynamic demands. That's why Scientific-Atlanta developed its new 1 GHz Multimedia Stretch Tap, which incorporates the subscriber drop powering capability and other advanced features of our highly successful Multimedia Taps in an upgrade-friendly, nine-inch housing. Several flexibility-enhancing features have also been added, maximizing the cost-effectiveness of the tap solution.

During system upgrades, operators are challenged to quickly install new equipment while minimizing the impact on customers. Splicing taps is a time-consuming process complicated by a widened gap in the feeder cabling. Scientific-Atlanta's new Multimedia Stretch Tap features a nine-inch housing that flexibly fills this gap — without using costly or performance-reducing extension connectors — providing operators with the fastest way to restore customer service and complete upgrade efforts.

The Multimedia Stretch Tap also provides an important level of network flexibility by enabling reversibility. As operators expand the fiber optic portion of their broadband networks, the result is often a reversal of the feeder signal flow. By simply changing the orientation of the plug-in Directional Coupler Module, technicians can avoid time consuming and expensive resplicing of the cable.

FEATURES

- Patent-pending Connection-Beam AC/RF bypass switch, providing interruption-free service to downstream customers during faceplate removal
- Per-port power activation and protection, maximizing cost and customer service effectiveness
- Nine-inch housing, simplifying system upgrades
- Faceplate reversibility, eliminating costly resplicing
- Plug-in directional coupler, enabling field modification without costly resplicing
- Available in 2-, 4-, and 8-way versions
- Compatible with aerial or pedestal mounting
- Faceplate-confined circuitry simplifies maintenance efforts
- Available space for future enhancements

Multimedia Stretch Taps

The plug-in Directional Coupler Module further adds to the flexibility of the tap, and helps to control inventory expense. By removing and replacing the on-board device, operators are able to modify tap values — again without costly resplicing. A dial indicator on the Multimedia Stretch Tap faceplate is used to record the configured tap loss value.

Most importantly, Scientific-Atlanta's Multimedia Stretch Tap is designed for the future. Our engineers have maximized available space in the device to allow for adding future advanced features with operation-enhancing functionality.

SPECIFICATIONS

Dimensions

2-, 4-, 8-way	3.5 in. H x 9 in. W x 3.5 in. D 88.9 mm H x 228.6 mm W x 88.9 mm D

Mechanical

- AL360T housing with coating for superior environmental protection.
- Sealed and swaged extended F-ports for maximum resistance to moisture ingress.
- Tin-plated brass F-ports to ensure a corrosion-resistant drop interface.
- Versatile housing design permits aerial, pedestal, or MDU mounting schemes.
- Operating temperature from -40° C to +60° C.
- EMI shielding minimum 105 dB.
- Pressure tested at 10 psi for 60 seconds under water.

Electrical Specifications

Thru Continuous Current:	12 amps - 60/90 V AC
Current Limiting:	300 mA @ 60° C, per drop
Surge Resistance:	1 kV
Impedance:	75 ohm
Thru Hum Modulation:	70 dB average @ 10 Amps 65 dB average @ 12 Amps
Tap Port Hum Modulation:	65 dB average

Standards Compliance

Scientific-Atlanta Multimedia Stretch Taps meet or exceed the following industry standards:

Bellcore

- TR - NWT- 1089 Level 1
- TA - NWT - 001503 Section 4.3

SCTE

- F-port interface specification IPS-SP-400
- Entry-port interface specification IPS-SP-402

Underwriters Laboratories

- Standard 1459

NEC

- Class 3 circuits

IEEE

- Category B1 C62.41-1991

IEC

- Standard 1000-4-5 (formerly 801-5/D)
- Standard 65

CENELEC

- Standards EN60065, EN50083-1

AC/RF Bypass Switch Performance

System Open Circuit Time	0 mS
Contact Resistance	10 mOhms max
Current and Voltage Carrying	12 A, 60/ 90 V AC
RF Frequency Range	5 to 1000 MHz
Operating Temperature	-40° C to +60° C

	5 MHz	550 MHz	750 MHz	1 GHz
Short Circuited Insertion Loss (dB)	0.1 max 0.05 typ	0.4 max 0.3 typ	0.5 max 0.4 typ	0.7 max 0.6 typ
Short Circuited Return Loss (dB)	40 max 53 typ	16 max 18 typ	16 max 17 typ	14 max 15 typ

Multimedia Stretch Tap
Two-way – Revision A

		Tap Value								
	Frequency	4	8	11	14	17	20	23	26	29
Insertion Loss (dB, max)	5	–	3.6	2.2	1.5	1.1	1.1	1.1	1.1	1.1
	10	–	3.6	2.2	1.5	1.1	1.1	1.1	1.1	1.1
	50	–	3.5	1.7	1.2	0.9	0.8	0.8	0.8	0.8
	300	–	4.1	2.2	1.8	1.5	1.2	1.2	1.2	1.2
	450	–	4.3	2.7	1.9	1.6	1.4	1.4	1.4	1.4
	550	–	4.1	2.8	2.0	1.8	1.4	1.4	1.4	1.4
	750	–	4.4	3.0	2.1	1.8	1.6	1.4	1.4	1.4
	860	–	4.6	3.2	2.1	1.9	1.6	1.4	1.4	1.4
	1000	–	4.8	3.4	2.2	2.0	1.6	1.5	1.5	1.5
Tap Loss (±1 dB, max)	5	4.0	8.0	11.0	13.5	17.0	19.0	22.5	25.5	29.0
	10	4.0	8.0	11.0	13.5	17.0	19.0	22.5	25.0	29.0
	50	4.0	8.0	11.0	13.5	17.0	19.0	22.5	25.0	29.0
	300	4.0	8.0	11.0	13.5	17.0	19.0	22.5	25.0	29.0
	450	4.0	8.0	11.0	13.5	17.0	19.0	22.5	25.0	29.0
	550	4.0	8.0	11.0	13.5	17.0	19.0	22.5	25.0	29.0
	750	4.0	8.0	11.0	13.5	17.0	19.0	22.5	25.0	29.0
	860	4.0	8.0	11.0	13.5	17.0	19.0	22.5	25.0	29.0
	1000	4.5	8.0	11.0	13.5	17.0	19.0	22.5	25.0	29.0
Tap-to Tap Isolation (dB, min)	5	18	18	18	18	18	18	18	18	18
	750	18	18	18	18	18	18	18	18	18
	1000	18	18	18	18	18	18	18	18	18
Out-to-Tap Isolation (dB, min)	5	–	20	20	20	25	25	35	35	35
	750	–	20	20	25	25	25	35	35	35
	1000	–	20	20	25	25	25	35	35	35
Return Loss (dB, min)	5	16	16	13	13	15	15	15	15	15
	10	16	16	16	16	16	16	16	16	16
	50	16	16	16	16	16	16	16	16	16
	750	14	16	16	16	16	16	16	16	16
	850	16	16	16	16	16	16	16	16	16
	1000	16	16	16	16	16	16	16	16	16

The Multimedia Stretch Tap consists of a housing and faceplate assemblies and a plug-in directional coupler module. Part numbers are listed below for complete taps as well as for the major components.

Product	Model Number	Part Number	Description
Complete Tap Assembly	SAT ST2-4	562732	Multimedia Stretch Tap 2-Way @ 4 dB
	SAT ST2-8	562733	Multimedia Stretch Tap 2-Way @ 8 dB
	SAT ST2-11	562734	Multimedia Stretch Tap 2-Way @ 11 dB
	SAT ST2-14	562735	Multimedia Stretch Tap 2-Way @ 14 dB
	SAT ST2-17	562736	Multimedia Stretch Tap 2-Way @ 17 dB
	SAT ST2-20	562737	Multimedia Stretch Tap 2-Way @ 20 dB
	SAT ST2-23	562738	Multimedia Stretch Tap 2-Way @ 23 dB
	SAT ST2-26	562739	Multimedia Stretch Tap 2-Way @ 26 dB
	SAT ST2-29	562740	Multimedia Stretch Tap 2-Way @ 29 dB
Faceplate Assembly	SAT ST-2	543484	Multimedia Stretch Tap 2-Way Faceplate Assembly
Directional Coupler Module	SAT STM2-0	543487	Multimedia Stretch Tap Module @ 0 dB
	SAT STM2-4	562108	Multimedia Stretch Tap Module @ 4 dB
	SAT STM2-7	562109	Multimedia Stretch Tap Module @ 7 dB
	SAT STM2-10	562110	Multimedia Stretch Tap Module @ 10 dB
	SAT STM2-13	562111	Multimedia Stretch Tap Module @ 13 dB
	SAT STM2-16	562112	Multimedia Stretch Tap Module @ 16 dB
	SAT STM2-19	562113	Multimedia Stretch Tap Module @ 19 dB
	SAT STM2-22	562114	Multimedia Stretch Tap Module @ 22 dB
	SAT STM2-25	562115	Multimedia Stretch Tap Module @ 25 dB

Multimedia Stretch Tap
Four-way – Revision A

		Tap Value							
	Frequency	8	11	14	17	20	23	26	29
Insertion Loss (dB, max)	5	–	3.7	2.2	1.5	1.2	1.1	1.1	1.1
	10	–	3.7	2.2	1.5	1.2	1.1	1.1	1.1
	50	–	3.5	1.7	1.2	0.9	0.8	0.8	0.8
	300	–	4.1	2.5	1.8	1.5	1.4	1.2	1.2
	450	–	4.2	2.7	1.8	1.6	1.5	1.3	1.3
	550	–	4.3	2.8	1.9	1.8	1.5	1.3	1.3
	750	–	4.5	3.2	2.0	1.7	1.5	1.4	1.4
	860	–	4.6	3.3	2.1	1.7	1.5	1.4	1.4
	1000	–	4.7	3.4	2.2	1.8	1.6	1.5	1.5
Tap Loss - (±1 dB, max)	5	8.0	11.0	15.0	17.0	20.0	22.5	25.5	28.5
	10	8.0	11.0	15.0	17.0	20.0	22.5	25.5	28.5
	50	8.0	11.0	15.0	17.0	20.0	22.5	25.5	28.5
	300	8.0	11.0	15.0	17.0	20.0	22.5	25.5	28.5
	450	8.0	11.0	15.0	17.0	20.0	22.5	25.5	28.5
	550	8.0	11.5	15.0	17.0	20.0	22.5	25.5	28.5
	750	8.0	11.5	15.0	17.0	20.0	22.5	25.5	28.5
	860	8.0	11.5	15.0	17.0	20.0	22.5	25.5	28.5
	1000	8.0	12.0	15.0	17.0	20.0	22.5	25.5	28.5
Tap-to Tap Isolation (dB, min)	5	18	18	18	18	18	18	18	18
	750	18	18	18	18	18	18	18	18
	1000	18	18	18	18	18	18	18	18
Out-to-Tap Isolation (dB, min)	5	–	25	25	25	25	35	35	35
	750	–	25	25	25	25	35	35	35
	1000	–	25	25	25	25	35	35	35
Return Loss (dB, min)	5	16	14	13	15	15	15	15	15
	10	14	16	16	16	16	16	16	16
	50	16	16	16	16	16	16	16	15
	750	15	16	16	16	16	16	15	15
	860	16	16	16	16	16	16	16	16
	1000	16	16	16	16	16	16	16	16

The Multimedia Stretch Tap consists of a housing and faceplate assemblies and a plug-in directional coupler module. Part numbers are listed below for complete taps as well as for the major components.

Product	Model Number	Part Number	Description
Complete Tap Assembly	SAT ST4-8	562742	Multimedia Stretch Tap 4-Way @ 8 dB
	SAT ST4-11	562743	Multimedia Stretch Tap 4-Way @ 11 dB
	SAT ST4-14	562744	Multimedia Stretch Tap 4-Way @ 14 dB
	SAT ST4-17	562745	Multimedia Stretch Tap 4-Way @ 17 dB
	SAT ST4-20	562746	Multimedia Stretch Tap 4-Way @ 20 dB
	SAT ST4-23	562747	Multimedia Stretch Tap 4-Way @ 23 dB
	SAT ST4-26	562748	Multimedia Stretch Tap 4-Way @ 26 dB
	SAT ST4-29	562749	Multimedia Stretch Tap 4-Way @ 29 dB
Faceplate Assembly	SAT STF-4	543485	Multimedia Stretch Tap 4-Way Faceplate Assembly
Directional Coupler Module	SAT STM-0	543487	Multimedia Stretch Tap Module @ 0 dB
	SAT STM-4	562108	Multimedia Stretch Tap Module @ 4 dB
	SAT STM-7	562109	Multimedia Stretch Tap Module @ 7 dB
	SAT STM-10	562110	Multimedia Stretch Tap Module @ 10 dB
	SAT STM-13	562111	Multimedia Stretch Tap Module @ 13 dB
	SAT STM-16	562112	Multimedia Stretch Tap Module @ 16 dB
	SAT STM-19	562113	Multimedia Stretch Tap Module @ 19 dB
	SAT STM-22	562114	Multimedia Stretch Tap Module @ 22 dB
	SAT STM-25	562115	Multimedia Stretch Tap Module @ 25 dB

Multimedia Stretch Tap
Eight-way – Revision A

		Tap Value						
	Frequency	11	14	17	20	23	26	29
Insertion Loss (dB, max)	5	–	3.7	2.2	1.5	1.2	1.1	1.1
	10	–	3.7	2.2	1.5	1.2	1.1	1.1
	50	–	3.5	1.7	1.2	0.9	0.8	0.8
	300	–	4.1	2.9	1.8	1.5	1.4	1.3
	450	–	4.2	3.0	1.8	1.6	1.4	1.3
	550	–	4.3	3.0	1.9	1.6	1.5	1.3
	750	–	4.4	3.0	2.0	1.7	1.5	1.4
	860	–	4.5	3.0	2.1	1.8	1.5	1.5
	1000	–	4.7	3.0	2.2	1.9	1.6	1.6
Tap Loss (±1 dB, max)	5	11.0	14.0	18.0	20.0	23.0	26.0	29.0
	10	11.0	14.5	18.0	20.0	23.0	26.0	29.0
	50	11.0	14.5	18.0	20.0	23.0	26.0	29.0
	300	11.0	14.5	18.0	20.0	23.0	26.0	29.0
	450	11.0	14.5	18.0	20.0	23.0	26.0	29.0
	550	11.0	15.0	18.0	20.0	23.0	26.0	29.0
	750	11.0	15.5	18.0	20.0	23.0	26.0	29.0
	860	11.5	15.5	18.0	20.0	23.0	26.0	29.0
	1000	12.0	16.0	18.0	20.0	23.0	26.0	29.0
Tap-to Tap Isolation (dB, min)	5	18	18	18	18	18	18	18
	750	18	18	18	18	18	18	18
	1000	18	18	18	18	18	18	18
Out-to-Tap Isolation (dB, min)	5	–	25	25	25	30	35	35
	750	–	25	25	25	30	35	35
	1000	–	25	25	25	30	35	35
Return Loss (dB, min)	5	15	15	13	14	15	14	14
	10	14	16	16	16	16	16	16
	50	16	16	16	16	16	16	16
	750	16	16	16	16	16	16	16
	860	16	16	16	16	16	16	16
	1000	16	16	16	16	16	16	16

The Multimedia Stretch Tap consists of a housing and faceplate assemblies and a plug-in directional coupler module. Part numbers are listed below for complete taps as well as for the major components.

Product	Model Number	Part Number	Description
Complete Tap Assembly	SAT ST8-11	562751	Multimedia Stretch Tap 8-Way @ 11 dB
	SAT ST8-14	562752	Multimedia Stretch Tap 8-Way @ 14 dB
	SAT ST8-17	562753	Multimedia Stretch Tap 8-Way @ 17 dB
	SAT ST8-20	562754	Multimedia Stretch Tap 8-Way @ 20 dB
	SAT ST8-23	562755	Multimedia Stretch Tap 8-Way @ 23 dB
	SAT ST8-26	562756	Multimedia Stretch Tap 8-Way @ 26 dB
	SAT ST8-29	562757	Multimedia Stretch Tap 8-Way @ 29 dB
Faceplate Assembly	SAT ST-8	543486	Multimedia Stretch Tap 8-Way Faceplate Assembly
Directional Coupler Module	SAT STM-0	543487	Multimedia Stretch Tap Module @ 0 dB
	SAT STM-4	562108	Multimedia Stretch Tap Module @ 4 dB
	SAT STM-7	562109	Multimedia Stretch Tap Module @ 7 dB
	SAT STM-10	562110	Multimedia Stretch Tap Module @ 10 dB
	SAT STM-13	562111	Multimedia Stretch Tap Module @ 13 dB
	SAT STM-16	562112	Multimedia Stretch Tap Module @ 16 dB
	SAT STM-19	562113	Multimedia Stretch Tap Module @ 19 dB
	SAT STM-22	562114	Multimedia Stretch Tap Module @ 22 dB
	SAT STM-25	562115	Multimedia Stretch Tap Module @ 25 dB

Multimedia Stretch Taps

The plug-in Directional Coupler Module further adds to the flexibility of the tap, and helps to control inventory expense. By removing and replacing the on-board device, operators are able to modify tap values — again without costly respicing. A dial indicator on the Multimedia Stretch Tap faceplate is used to record the configured tap loss value.

Most importantly, Scientific-Atlanta's Multimedia Stretch Tap is designed for the future. Our engineers have maximized available space in the device to allow for adding future advanced features with operation-enhancing functionality.

SPECIFICATIONS

Dimensions

2-, 4-, 8-way	3.5 in. H x 9 in. W x 3.5 in. D 88.9 mm H x 228.6 mm W x 88.9 mm D

Mechanical

- AL360T housing with coating for superior environmental protection.
- Sealed and swaged extended F-ports for maximum resistance to moisture ingress.
- Tin-plated brass F-ports to ensure a corrosion-resistant drop interface.
- Versatile housing design permits aerial, pedestal, or MDU mounting schemes.
- Operating temperature from -40° C to +60° C.
- EMI shielding minimum 105 dB.
- Pressure tested at 10 psi for 60 seconds under water.

Electrical Specifications

Thru Continuous Current:	12 amps - 60/90 V AC
Current Limiting:	300 mA @ 60° C, per drop
Surge Resistance:	1 kV
Impedance:	75 ohm
Thru Hum Modulation:	70 dB average @ 10 Amps 65 dB average @ 12 Amps
Tap Port Hum Modulation:	65 dB average

Standards Compliance

Scientific-Atlanta Multimedia Stretch Taps meet or exceed the following industry standards:

Bellcore
- TR - NWT- 1089 — Level 1
- TA - NWT - 001503 — Section 4.3

SCTE
- F-port interface specification IPS-SP-400
- Entry-port interface specification IPS-SP-402

Underwriters Laboratories
- Standard 1459

NEC
- Class 3 circuits

IEEE
- Category B1 C62.41-1991

IEC
- Standard 1000-4-5 (formerly 801-5/D)
- Standard 65

CENELEC
- Standards EN50083, EN50083-1

AC/RF Bypass Switch Performance

System Open Circuit Time	0 mS
Contact Resistance	10 mOhms max
Current and Voltage Carrying	12 A, 60/ 90 V AC
RF Frequency Range	5 to 1000 MHz
Operating Temperature	-40° C to +60° C

[redacted]	5 MHz	550 MHz	750 MHz	1 GHz
Short Circuited Insertion Loss (dB)	0.1 max 0.05 typ	0.4 max 0.3 typ	0.5 max 0.4 typ	0.7 max 0.6 typ
Short Circuited Return Loss (dB)	40 max 53 typ	16 max 18 typ	16 max 17 typ	14 max 15 typ

9200 Series Two-Way Multi-Taps

Worst Case Specifications*

	9204	9208	9211	9214	9217	9220	9223	9226	9229	9232	Units
Tap Value	4.0	8.5	11.0	14.0	17.0	20.0	23.0	26.0	29.0	32.0	dB
Bandwidth	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	MHz
Color Code	Black	Orange	Gold	White	Blue	Green	Purple	Yellow	Red	Silver	
Tolerance											
10-19 MHz	1.5	1.5	1.5	1.5	2.5	2.5	2.5	2.5	2.5	2.5	± dB
20-899 MHz	1.5	2.0	1.5	1.5	1.5	1.5	1.5	1.5	2.0	1.8	± dB
900-1000 MHz	2.0	2.0	1.5	2.0	1.5	1.7	1.7	2.0	2.0	2.0	± dB
Insertion Loss (max.)											
10 MHz	—	3.5	1.9	1.0	1.0	0.8	0.5	0.5	0.4	0.4	dB
30 MHz	—	3.1	1.5	0.8	0.8	0.7	0.5	0.4	0.3	0.3	dB
54 MHz	—	3.3	1.5	0.8	0.8	0.7	0.4	0.4	0.3	0.3	dB
112 MHz	—	3.3	1.8	1.0	0.9	0.8	0.5	0.5	0.5	0.5	dB
150 MHz	—	3.3	1.8	1.0	0.9	0.8	0.5	0.5	0.5	0.5	dB
186 MHz	—	3.4	1.9	1.0	0.9	0.8	0.5	0.5	0.5	0.5	dB
222 MHz	—	3.5	1.9	1.0	1.0	0.8	0.5	0.5	0.5	0.5	dB
330 MHz	—	3.6	2.0	1.0	1.0	0.8	0.6	0.6	0.5	0.5	dB
400 MHz	—	3.7	2.1	1.1	1.0	0.9	0.7	0.7	0.6	0.6	dB
450 MHz	—	3.8	2.1	1.1	1.0	0.9	0.7	0.7	0.6	0.6	dB
550 MHz	—	3.9	2.1	1.2	1.1	0.9	0.7	0.7	0.6	0.6	dB
600 MHz	—	4.1	2.4	1.4	1.2	1.0	0.8	0.8	0.7	0.7	dB
750 MHz	—	4.7	3.0	1.6	1.4	1.2	1.0	1.0	0.8	0.8	dB
860 MHz	—	5.0	3.5	1.8	1.6	1.4	1.2	1.2	0.9	0.9	dB
1000 MHz	—	5.5	4.1	2.0	1.8	1.6	1.4	1.3	1.1	1.1	dB
Flatness (max.)											
10-1000 MHz	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	± dB
Tap-to-Out Isolation (min.)											
10-29 MHz	—	20	20	20	24	29	30	34	34	35	dB
30-749 MHz	—	22	24	25	30	33	35	38	40	42	dB
750-899 MHz	—	20	22	25	28	31	34	36	38	40	dB
900-1000 MHz	—	20	22	24	28	31	34	36	38	40	dB
Tap-to-Tap Isolation (min.)											
10-29 MHz	20	20	20	20	20	20	20	20	20	20	dB
30-449 MHz	25	25	25	25	25	25	25	25	25	25	dB
450-749 MHz	23	23	23	23	23	23	23	23	23	23	dB
750-1000 MHz	20	20	20	20	20	20	20	20	20	20	dB
Return Loss In (min.)											
10-29 MHz	17	17	17	17	17	17	17	17	17	17	dB
30-599 MHz	18	18	18	18	18	18	18	18	18	18	dB
600-899 MHz	17	17	17	17	17	17	17	17	17	17	dB
900-1000 MHz	16	16	16	16	16	16	16	16	16	16	dB
Return Loss Out (min.)											
10-29 MHz	—	17	17	17	17	17	17	17	17	17	dB
30-599 MHz	—	18	18	18	18	18	18	18	18	18	dB
600-899 MHz	—	17	17	17	17	17	17	17	17	17	dB
900-1000 MHz	—	16	16	16	16	16	16	16	16	16	dB
Return Loss Tap (min.)											
10-29 MHz	16	16	16	16	16	16	16	16	16	16	dB
30-599 MHz	18	18	18	18	18	18	18	18	18	18	dB
600-1000 MHz	16	16	16	16	16	16	16	16	16	16	dB
Hum Modulation @ 8 amps (max.)											
10-49 MHz	—	-54	-54	-54	-54	-54	-54	-54	-54	-54	dB
50-599 MHz	—	-70	-70	-70	-70	-70	-70	-70	-70	-70	dB
600-749 MHz	—	-54	-54	-54	-54	-54	-54	-54	-54	-54	dB
750-1000 MHz	—	-50	-50	-50	-50	-50	-50	-50	-50	-50	dB
RFI Isolation	Exceeds FCC requirements										
Current, (continuous)	0	8	8	8	8	8	8	8	8	8	amps
Surge Rating	IEEE 587, Class B, 6500 Volts										

All specifications are subject to change without notice.

9800 Series Eight-Way Multi-Taps

Worst Case Specifications*

	9812	9815	9818	9821	9824	9827	9830	9833	9836	Units
Tap Value	12.0	15.5	18.0	21.0	24.0	27.0	30.0	33.0	36.0	dB
Bandwidth	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	MHz
Color Code	Gold	White	Blue	Green	Purple	Yellow	Red	Silver	Brown	
Tolerance										
10-19 MHz	1.7	2.0	1.5	2.5	2.5	2.5	2.5	2.5	2.5	± dB
20-899 MHz	1.3	2.0	1.5	1.5	1.5	1.5	1.5	2.1	1.8	± dB
900-1000 MHz	2.3	2.5	1.9	2.4	2.1	2.1	1.9	1.8	2.3	± dB
Insertion Loss (max.)										
10 MHz	—	3.8	1.9	1.2	1.0	0.8	0.5	0.5	0.5	dB
30 MHz	—	3.5	1.5	1.0	0.9	0.7	0.4	0.4	0.4	dB
54 MHz	—	3.5	1.5	1.0	0.8	0.7	0.4	0.4	0.4	dB
112 MHz	—	4.0	1.9	1.2	0.9	0.8	0.6	0.6	0.6	dB
150 MHz	—	4.0	1.9	1.2	0.9	0.8	0.6	0.6	0.6	dB
186 MHz	—	4.1	2.0	1.3	1.0	0.8	0.6	0.6	0.6	dB
222 MHz	—	4.1	2.0	1.3	1.0	0.8	0.6	0.6	0.6	dB
330 MHz	—	4.2	2.1	1.4	1.0	0.8	0.6	0.6	0.6	dB
400 MHz	—	4.3	2.2	1.4	1.0	0.8	0.7	0.7	0.7	dB
450 MHz	—	4.4	2.2	1.4	1.0	0.8	0.7	0.7	0.7	dB
550 MHz	—	4.5	2.3	1.3	1.1	0.9	0.8	0.8	0.8	dB
600 MHz	—	4.7	2.4	1.4	1.1	1.0	0.9	0.9	0.9	dB
750 MHz	—	5.1	2.8	1.6	1.3	1.2	1.2	1.2	1.2	dB
850 MHz	—	5.3	3.2	1.8	1.6	1.3	1.4	1.4	1.4	dB
1000 MHz	—	5.4	3.9	2.3	1.8	1.4	1.4	1.4	1.4	dB
Flatness (max.)										
10-1000 MHz	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	± dB
Tap-to-Out Isolation (min.)										
10-29 MHz	—	21	24	27	30	34	34	36	38	dB
30-749 MHz	—	27	30	32	34	38	40	42	44	dB
750-899 MHz	—	25	28	30	33	36	38	40	41	dB
900-1000 MHz	—	25	28	28	33	34	36	38	39	dB
Tap-to-Tap Isolation (min.)										
10-29 MHz	20	20	20	20	20	20	20	20	20	dB
30-449 MHz	25	25	25	25	25	25	25	25	25	dB
450-749 MHz	23	23	23	23	23	23	23	23	23	dB
750-1000 MHz	20	20	20	20	20	20	20	20	20	dB
Return Loss In (min.)										
10-29 MHz	17	17	17	17	17	17	17	17	17	dB
30-599 MHz	18	18	18	18	18	18	18	18	18	dB
600-899 MHz	17	17	17	17	17	17	17	17	17	dB
900-1000 MHz	16	16	16	16	16	16	16	16	16	dB
Return Loss Out (min.)										
10-29 MHz	—	17	17	17	17	17	17	17	17	dB
30-599 MHz	—	18	18	18	18	18	18	18	18	dB
600-899 MHz	—	17	17	17	17	17	17	17	17	dB
900-1000 MHz	—	16	16	16	16	16	16	16	16	dB
Return Loss Tap (min.)										
10-29 MHz	16	16	16	16	16	16	16	16	16	dB
30-599 MHz	18	18	18	18	18	18	18	18	18	dB
600-1000 MHz	16	16	16	16	16	16	16	16	16	dB
Hum Modulation @ 8 amps (max.)										
10-49 MHz	—	-64	-64	-64	-64	-64	-64	-64	-64	dB
50-599 MHz	—	-70	-70	-70	-70	-70	-70	-70	-70	dB
600-749 MHz	—	-64	-64	-64	-64	-64	-64	-64	-64	dB
750-1000 MHz	—	-60	-60	-60	-60	-60	-60	-60	-60	dB
RFI Isolation	Exceeds FCC requirements									
Current	0	8	8	8	8	8	8	8	8	amps
Surge Rating	IEEE 587, Class B, 2500 Volts									

*All specifications are subject to change without notice.

9400 Series Four-Way Multi-Taps

*Nominal Performance Specifications**

	Notes	9408	9411	9414	9417	9420	9423	9426	9429	9432	9435	Units
Tap Value		8.0	11.5	14.5	17.0	20.0	23.0	26.0	29.0	32.0	35.0	dB
Bandwidth		10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	MHz
Color Code		Orange	Gold	White	Blue	Green	Purple	Yellow	Red	Silver	Brown	
Insertion Loss (In-Out)												
10 MHz		—	3.5	1.3	1.0	0.9	0.6	0.3	0.3	0.3	0.3	dB
30 MHz		—	3.4	1.3	0.7	0.7	0.6	0.3	0.3	0.3	0.3	dB
54 MHz		—	3.4	1.3	0.7	0.7	0.6	0.3	0.3	0.3	0.3	dB
112 MHz		—	3.8	1.7	0.9	0.8	0.7	0.5	0.5	0.5	0.5	dB
150 MHz		—	3.8	1.7	0.9	0.8	0.7	0.5	0.5	0.5	0.5	dB
186 MHz		—	3.9	1.8	0.9	0.9	0.7	0.5	0.5	0.5	0.5	dB
222 MHz		—	3.9	1.8	0.9	0.9	0.7	0.5	0.5	0.5	0.5	dB
330 MHz		—	4.0	1.8	0.9	0.9	0.7	0.5	0.5	0.5	0.5	dB
400 MHz		—	4.1	1.8	1.0	0.9	0.8	0.5	0.6	0.5	0.5	dB
450 MHz		—	4.1	1.8	1.0	0.9	0.8	0.5	0.6	0.5	0.5	dB
550 MHz		—	4.2	1.9	1.0	0.9	0.8	0.6	0.6	0.6	0.6	dB
600 MHz		—	4.4	2.1	1.1	0.9	0.8	0.6	0.6	0.7	0.6	dB
750 MHz		—	4.7	2.6	1.3	1.1	1.0	0.9	0.8	0.8	0.8	dB
860 MHz		—	4.8	3.0	1.6	1.3	1.1	1.1	1.0	1.0	1.0	dB
1000 MHz		—	4.9	3.6	1.8	1.3	1.1	1.1	1.0	1.0	1.0	dB
Tap Loss												
10-19 MHz		8.9	10.3	14.5	15.8	19.4	22.1	24.9	27.9	31.0	34.2	dB
20-899 MHz		7.2	10.7	14.7	17.6	21.0	23.6	26.3	29.2	32.2	35.3	dB
900-1000 MHz		8.2	12.6	15.0	18.2	20.7	23.2	26.0	29.1	32.0	35.2	dB
Mechanical												
Dimensions	a	4.9 (12.5) W x 3.8 (9.7) H x 2.4 (6.1) D										in. (cm)
Weight		0.7 (0.33)										lbs. (kg)
Connector Type		Standard CATV KS entry connectors for cable up to 0.625" diameter										
Pin Length		1.44 (3.7)										in. (cm)

*All specifications are subject to change without notice.

Notes:

a. Height dimension includes plug; depth dimension includes 1/2" F-ports and strand clamp/bolt in closed position.

9400 Series Four-Way Multi-Taps

*Worst Case Specifications**

	9408	9411	9414	9417	9420	9423	9426	9429	9432	9435	Units
Tap Value	8.0	11.5	14.5	17.0	20.0	23.0	26.0	29.0	32.0	35.0	dB
Bandwidth	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	MHz
Color Code	Orange	Gold	White	Blue	Green	Purple	Yellow	Red	Silver	Brown	
Tolerance											
10-19 MHz	1.5	1.5	1.5	2.1	1.9	2.2	2.5	2.5	2.3	1.9	± dB
20-899 MHz	1.5	2.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0	± dB
900-1000 MHz	1.5	2.5	2.3	2.2	2.0	1.9	1.7	1.6	1.8	2.0	± dB
Insertion Loss (max.)											
10 MHz	—	3.5	1.9	1.2	1.0	0.8	0.5	0.4	0.4	0.4	dB
30 MHz	—	3.5	1.5	0.9	0.8	0.7	0.4	0.3	0.3	0.3	dB
54 MHz	—	3.5	1.5	0.9	0.8	0.7	0.4	0.3	0.3	0.3	dB
112 MHz	—	4.0	1.8	1.0	1.0	0.8	0.6	0.6	0.6	0.6	dB
150 MHz	—	4.1	1.8	1.0	1.0	0.8	0.6	0.6	0.6	0.6	dB
186 MHz	—	4.1	1.8	1.0	1.0	0.8	0.6	0.6	0.6	0.6	dB
222 MHz	—	4.2	1.8	1.0	1.0	0.8	0.6	0.6	0.6	0.6	dB
330 MHz	—	4.3	1.9	1.0	1.0	0.9	0.6	0.6	0.6	0.6	dB
400 MHz	—	4.3	2.0	1.1	1.1	0.9	0.7	0.7	0.7	0.7	dB
450 MHz	—	4.3	2.0	1.1	1.1	0.9	0.7	0.7	0.7	0.7	dB
550 MHz	—	4.4	2.1	1.2	1.1	0.9	0.7	0.7	0.7	0.7	dB
600 MHz	—	4.7	2.4	1.4	1.1	1.0	0.8	0.8	0.8	0.8	dB
750 MHz	—	5.1	2.9	1.6	1.4	1.3	1.1	1.1	1.1	1.1	dB
850 MHz	—	5.2	3.3	1.8	1.6	1.5	1.2	1.2	1.2	1.2	dB
1000 MHz	—	5.4	4.0	2.2	1.8	1.6	1.4	1.3	1.3	1.3	dB
Flatness (max.)											
10-1000 MHz	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	± dB
Tap-to-Out Isolation (min.)											
10-29 MHz	—	20	21	22	27	30	34	34	36	38	dB
30-749 MHz	—	24	27	30	33	36	38	40	42	44	dB
750-899 MHz	—	22	25	28	31	34	36	38	40	42	dB
900-1000 MHz	—	22	25	28	31	34	36	38	40	42	dB
Tap-to-Tap Isolation (min.)											
10-29 MHz	20	20	20	20	20	20	20	20	20	20	dB
30-449 MHz	25	25	25	25	25	25	25	25	25	25	dB
450-749 MHz	23	23	23	23	23	23	23	23	23	23	dB
750-1000 MHz	20	20	20	20	20	20	20	20	20	20	dB
Return Loss In (min.)											
10-29 MHz	17	17	17	17	17	17	17	17	17	17	dB
30-599 MHz	18	18	18	18	18	18	18	18	18	18	dB
600-899 MHz	17	17	17	17	17	17	17	17	17	17	dB
900-1000 MHz	16	16	16	16	16	16	16	16	16	16	dB
Return Loss Out (min.)											
10-29 MHz	—	17	17	17	17	17	17	17	17	17	dB
30-599 MHz	—	18	18	18	18	18	18	18	18	18	dB
600-899 MHz	—	17	17	17	17	17	17	17	17	17	dB
900-1000 MHz	—	16	16	16	16	16	16	16	16	16	dB
Return Loss Tap (min.)											
10-29 MHz	16	16	16	16	16	16	16	16	16	16	dB
30-599 MHz	18	18	18	18	18	18	18	18	18	18	dB
600-1000 MHz	16	16	16	16	16	16	16	16	16	16	dB
Hum Modulation @ 8 amps (max.)											
10-49 MHz	—	-64	-64	-64	-64	-64	-64	-64	-64	-64	dB
50-599 MHz	—	-70	-70	-70	-70	-70	-70	-70	-70	-70	dB
600-749 MHz	—	-64	-64	-64	-64	-64	-64	-64	-64	-64	dB
750-1000 MHz	—	-60	-60	-60	-60	-60	-60	-60	-60	-60	dB
RFI Isolation	Exceeds FCC requirements										
Current	0	8	8	8	8	8	8	8	8	8	amps
Surge Rating	IEEE 587, Class B, 2500 Volts										

*All specifications are subject change without notice.

9800 Series Eight-Way Multi-Taps

Nominal Performance Specifications*

	Notes	9812	9815	9818	9821	9824	9827	9830	9833	9836	Units
Tap Value		12.0	15.0	18.0	21.0	24.0	27.0	30.0	33.0	36.0	dB
Bandwidth		10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	MHz
Color Code		Gold	White	Blue	Green	Purple	Yellow	Red	Silver	Brown	
Insertion Loss (Input/Output)											
10 MHz		—	3.5	1.4	1.1	0.9	0.7	0.3	0.3	0.3	dB
30 MHz		—	3.4	1.3	0.9	0.7	0.6	0.3	0.3	0.3	dB
54 MHz		—	3.4	1.3	0.9	0.7	0.5	0.3	0.3	0.3	dB
112 MHz		—	3.8	1.7	1.0	0.8	0.7	0.4	0.5	0.4	dB
150 MHz		—	3.8	1.7	1.0	0.8	0.7	0.4	0.5	0.4	dB
186 MHz		—	3.9	1.8	1.0	0.8	0.7	0.4	0.5	0.4	dB
222 MHz		—	3.9	1.8	1.1	0.8	0.7	0.4	0.5	0.4	dB
330 MHz		—	4.0	1.9	1.1	0.8	0.7	0.5	0.5	0.5	dB
400 MHz		—	4.1	2.0	1.1	0.8	0.7	0.5	0.5	0.5	dB
450 MHz		—	4.1	2.0	1.1	0.9	0.7	0.5	0.5	0.5	dB
550 MHz		—	4.2	2.0	1.1	0.9	0.7	0.6	0.6	0.6	dB
600 MHz		—	4.5	2.2	1.2	0.9	0.8	0.7	0.7	0.6	dB
750 MHz		—	4.9	2.6	1.3	1.0	0.9	0.8	0.8	0.8	dB
860 MHz		—	5.0	2.9	1.5	1.2	1.1	1.0	1.0	1.0	dB
1000 MHz		—	5.2	3.5	1.7	1.2	1.1	1.1	1.1	1.1	dB
Tap Loss											
10-19 MHz		10.7	13.8	17.3	19.4	23.3	26.5	28.8	32.2	34.5	dB
20-899 MHz		11.3	14.7	18.4	20.5	24.3	26.7	30.4	32.8	35.6	dB
900-1000 MHz		13.0	16.7	18.8	20.7	25.1	27.8	30.4	33.2	35.3	dB
Mechanical											
Dimensions	a	4.9 (12.5) W x 3.8 (9.5) H x 2.4 (6.1) D									in. (cm)
Weight		0.3 (0.37)									lbs. (kg)
Connector Type		Standard CATV KS entry connectors for cable up to 0.625" diameter									
Pin Length		1.44 (3.7)									in. (cm)

*All specifications are subject to change without notice.

Notes:

a. Height dimension includes plug; depth dimension includes 1/2" F-ports and strand clamp/bolt in closed position.

TIME WARNER CABLE -- SYRACUSE DIVISION

Converter and Trap Specifications

System Name: **Rome / Oneida**

Date: January 2, 2003

All testing is done at the end of a 100ft drop cable (RG-6) without a converter. Converter specification sheets are attached for "After Converter" numbers, if so desired.

Instructions:

Attach a copy of the manufacturer's specifications covering all converters used in the system. The specification sheet must show the converters carrier- to-noise (C/N) and distortion figures.

Attach a copy of the manufacturer's specifications covering all traps that are in use in the cable plant. This should include basic traps, individual channel traps, high pass filters, etc.

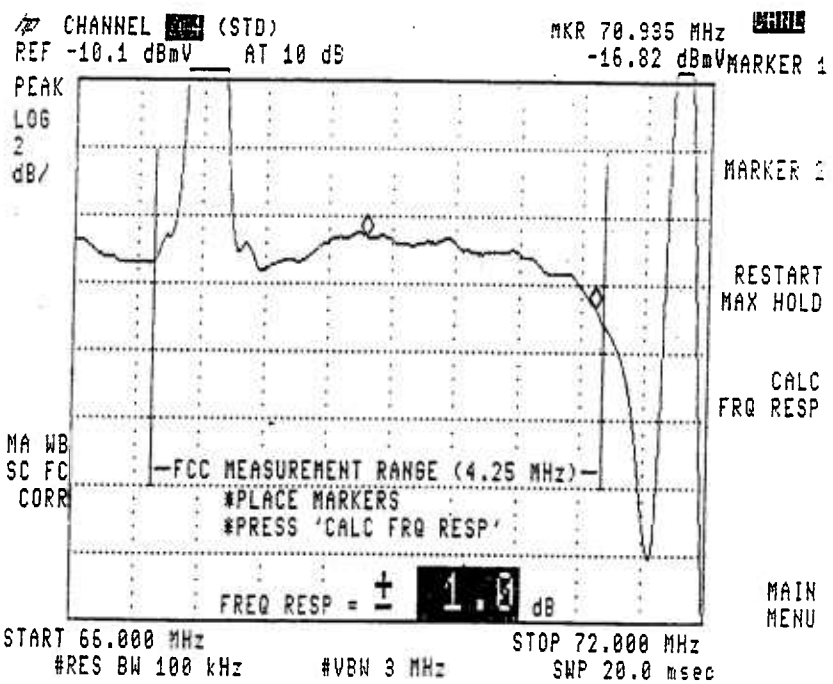
Time Warner Cable
Syracuse Division

CONVERTER
IN - CHANNEL FREQUENCY RESPONSE TEST

(76.605 (a) 6)

System Name:	ROME/ONEIDA	Date:	January 10,2003
Test Performed By:	MARK D'AOUST	Location:	HEADEND
MODEL #	S/A 8580/438	SERIAL #	FA756CJLQ

(SEE THE ATTATCHED SWEEP TRACES)



Testpoint # [illegible]

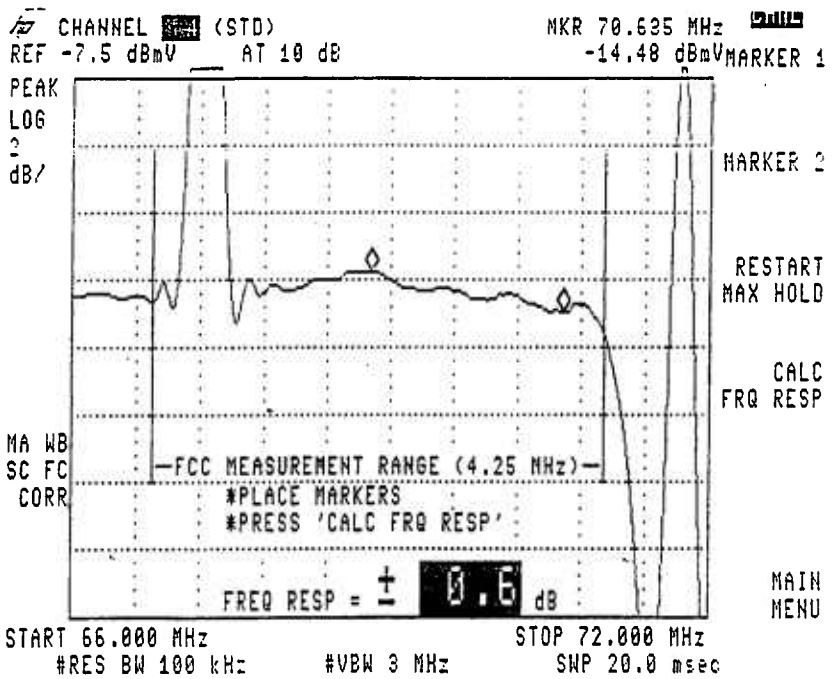
Time Warner Cable
Syracuse Division

CONVERTER
IN - CHANNEL FREQUENCY RESPONSE TEST

(76.605 (a) 6)

System Name:	ROME/ONEIDA	Date:	January 10,2003
Test Performed By:	MARK D'AOUST	Location:	HEADEND
MODEL #	EXPLORER 2000	SERIAL #	SABCTTCPR

(SEE THE ATTATCHED SWEEP TRACES)



Testpoint # HE

EXPLORER 2000 DHCT Specifications

Introduction

This section contains the operating and other specifications for the EXPLORER® 2000 Digital Home Communications Terminal.

Electrical Overstress Protection

The EXPLORER 2000 DHCT withstands the following electrical currents without damage:

- hits at 3.5 kV to the RF and AC input ports
- 10 hits of 15 kV from a 150 pF capacitor through a 150 ohm series resistor on all external ports

RF and Baseband Output Performance

The following table provides output measurements based on a +15 dBmV Input signal.

Item	Output
Cross modulation distortion (XMOD)	-54 dBc
Composite second order distortion (CSO)	-54 dBc
Composite triple beat distortion (CTB)	-55 dBc

Frequency Resolution

Frequency assignments comply with *STD*, *HRC*, and *IRC* frequency lineups.

Channel	Steps
QAM (digital)	250 kHz
NTSC (analog)	62.5 kHz

Power

Item	Power
Consumption	35 Watts maximum
AC Input	Standard residential AC line voltage of 103.5 V AC to 126.5 V AC at 60 Hz
AC Outlet	Supplies 400 Watts maximum at the AC input line voltage. User controls on/off function through EXPLORER 2000 DHCT interface.

Item	Specification
Connector	Threaded female F-connector
Frequency range	54 MHz to 860 MHz
RF input level	0 dBmV to +15 dBmV (meets NTSC specs)
Functional operation without damage	-7 dBmV to +20 dBmV (minimum)
Input return loss	7 dB minimum
Noise figure	<12 dB at maximum gain
C/N (at input)	57 dB minimum (meets all specs) 40 dB minimum (minimum)

Baseband Audio Output

Category	Item	Specification
General	Connector	2 female RCA-type phono jacks: • Right channel - red insulation • Left channel - white insulation
	Output level	1.3 V p-p ± 10% with 10 kΩ load
	Output impedance	600 Ω nominal
	Volume control	64 steps from 0 dB (maximum volume) to -63 dB nominal
	Step size	1 ±0.5 dB
	Mute	-50 dB
Analog service (BTSC selected)	Frequency response	50 Hz to 10 kHz ± 2 dB
	Stereo channel separation	• 25 dB at 3 kHz • 15 dB at 10 kHz
	Total harmonic distortion	1 kHz <3.5%
	Signal-to-noise ratio	• > 45 dB A-weighted • 25 kHz L+R deviation at 1 kHz
Analog service (SAP selected)	Frequency response	100 Hz to 8 kHz ± 2 dB
	Total harmonic distortion	1 kHz < 3.0%

Item	Specification
Connector	Female RCA type with yellow insulation
Output	1.0 V p-p ± 10% at 75 Ω nominal
Frequency response - 220 kHz to 3.75 MHz (may change based on FCC part 76)	3 dB p-p
S/N with input +5 dBmV, input C/N 57 dB min. (55-550 MHz)	42 dB minimum unweighted
S/N with input +5 dBmV, input C/N 57 dB min. (55-860 MHz)	41 dB minimum unweighted

RF Output

Item	Specification
Connector	F type
Frequency	• Channel 3 - 61.25 MHz • Channel 4 - 67.25 MHz (channels are switchable)
RF output level	• +9 ± 4.5 dBmV Video • ± 13.5 ± 3.5 dBc Audio
Frequency response - 220 kHz to 3.75 MHz (may change based on FCC part 76)	3 dB p-p
Return loss	10 dB minimum
S/N with input +5 dBmV, input C/N 57 dB min. (55-550 MHz)	42 dB minimum unweighted equivalent to a 49 dB C/N, assuming 7 dB correction factor
S/N with input +5 dBmV, input C/N 57 dB min. (550-850 MHz)	41 dB minimum unweighted equivalent to a 48 dB C/N, assuming 7 dB correction factor

S-Video Output

Part	Function
Connector	4-position mini-DIN
S/N with input +5 dBmV, input C/N 57 dB min. (55-550 MHz)	42 dB minimum unweighted
S/N with input +5 dBmV, input C/N 57 dB min. (550-860 MHz)	41 dB minimum unweighted
Output levels	• Y: 1 V p-p ± 10% • C: 0.29 V p-p ± 10%

Item	Specification
Modulation technique	Differential QPSK
Frequency	70 MHz to 130 MHz agile in 250 kHz steps
Transmission rate	1.544 Mbps
Channel bandwidth	1 MHz
Channel spacing	1 MHz
Adjacent channel performance (data)	Meets BER performance at +6 dBc 1.00 MHz from center
Mode	Continuous
Transmission format	DS1 extended Superframe - 53 byte ATM cells with AAL5 layer T=1 Reed Solomon
RF input level	-16 dBm VRMS to +15 dBm VRMS (6 dB to 16 dB below NTSC video)
BER performance at C/N=18 dB (in 772 kHz BW) at RF level above	< 10-9 after Reed Solomon

Eagle Graphics/Video Processing Specifications

Item	Specification
Video resolution	Up to 720 x 480 VGA
Graphics resolution	Up to 640 x 480 VGA non-interlaced
Color graphics display mode	256 or 65,000
Graphics features	• Video scaling and capturing • Alpha blending • 8 or 16 bit color • Square and round pixel display • Anti-flutter filter • Anti-aliasing fonts • Supports transparent, translucent, and opaque graphics and overlays

Environmental Specifications

Item	Specification
Operational temperature range	0°C to 40°C (32°F to 104°F)
Humidity	5% to 95%, non-condensing

Regulatory Specifications

Addressable Set-Top Terminal
Series 8580

Specifications

Environmental
Temperature
0°C to 45°C
Relative humidity
5% to 95%

Electrical
Input bandwidth
54 MHz to 550 MHz
Number of channels
82 with single cable
123 with optional dual cable
Output channel
3 or 4
Channel frequency response
±2 dB
Gain
6 dB, typical
Output level (meets FCC Part 15-H)
8.5 dB, typical
14 dB, max
Noise figure
8.7 dB, typical
Return loss
Input
7 dB (54 MHz to 440 MHz) minimum on tuned channel
6 dB (440 MHz to 550 MHz) minimum on tuned channel
Output
11 dB min
Isolation input/output
80 dB
Spurious response
Input
-37 dBmV (up to 570 MHz)
Output
-57 dBmV in channel
Frequency accuracy
±100 kHz
AC input
115 V
Power consumption
9 W, typical
Surge protection
AC: Spark gaps and transformer isolation
RF: Inductor shunt to ground
Distortion at +15 dBmV, 78 channel load
Flat input, second order -57 dB
(-57 dB 54 MHz to 440 MHz)
(-55 dB 440 MHz to 550 MHz)
Cross modulation: -57 dB
Composite triple beat -57 dB
Input level
-7 dBmV to +20 dBmV

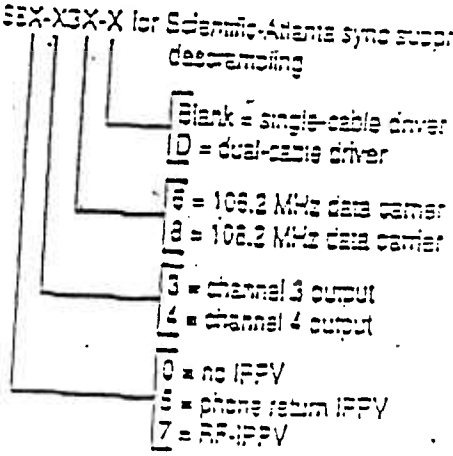
Mechanical
Dimensions
9.2 in. L x 6.9 in. W x 2.1 in. H
Weight
3.3 lbs
Keyboard type
6 keys (front access)
Display type
LED, 2.3 in. L x 0.57 in. H

Telephone Return IPPV Module Specifications
Complies with FCC Part 68
Ringer equivalence
0.0B
Interface to telephone line
RJ-11C standard telephone jack
Surge protection
Dual MOVs and Zener diodes

RF Return IPPV Module Specifications
Frequency range
16.45 MHz to 17.75 MHz
Modulation rate
20 kb/s
Modulation technique
BPSK
Maximum output power
+55 dBmV

Order Information

- Model 858X-X3X-X for Scientific-Atlanta sync suppression descrambling



- Model 8550-175 for remote control

Specifications and product availability subject to change without notice.

with Volume Control

Series 8590

Specifications

Environmental

Temperature
0°C to 45°C
Relative humidity
5% to 95%

Electrical

Input bandwidth
54 MHz to 550 MHz
Number of channels
82 with single cable
123 with optional dual cable
Output channel downloadable
3 or 4
Output level
9 dBmV
Video signal-to-noise
43 dB at 0 dBmV input
Return loss
Input
8 dB
Output
12 dB
Spurious response
Output, -60 dBc in channel
Frequency accuracy
±100 kHz, max
AC input
105 V to 125 V
Power consumption
12 W, typical
Surge protection
AC
Spark gaps and transformer isolation
RF
Inductor shunt to ground
Distortion at +15 dBmV, 78 channel load
Flat input, second order
-60 dB
Cross modulation
-60 dB
Composite triple beat
-60 dB
Input level
-7 dBmV to +20 dBmV
Audio distortion
THD 1%
Audio signal-to-noise
50 dB

Mechanical

Dimensions
9.2 in. L x 7.0 in. W x 2.4 in. H
Weight
3.6 lbs
Keyboard type
11 keys (front access)
Display type
LED, 2.3 in. L x 0.57 in. H

Telephone Return IPPV Module Specifications

Complies with FCC Part 68
Ringer equivalence
0.00
Interface to telephone line
RJ-11C standard telephone jack
Surge protection
Dual MOVs and Zener diodes

RF Return IPPV Module Specifications

Frequency range
15.45 MHz to 17.75 MHz
Modulation rate
20 kbps
Modulation technique
BPSK
Maximum output power
+55 dBmV

Order Information

- Model 859X-7X7-X for Scientific-Atlanta video inversion descrambling

  - Blank = single-cable driver
  - D = dual-cable driver
  - 5 = compatible descrambling, except Oak
  - 7 = compatible descrambling, including Oak
  - 0 = no IPPV
  - 5 = phone return IPPV
  - 7 = RF return IPPV

- Model 8550-475 for volume remote control

Specifications and product availability subject to change without notice.

8600[X] Advanced Analog Home Communications Terminal

SPECIFICATIONS

Environmental
Temperature
0°C to 45°C
Relative humidity
5% to 95% (noncondensing)

Electrical
Input bandwidth
50 MHz to 750 MHz
Output channel
2/3 or 3/4
Output level
9 dBmV nominal
Noise figure
9 dB typical (including baseband circuitry)
Return loss
Input: 7 dB min
Output: 10 dB min
Spurious response
Output: -57 dBc in channel
Frequency accuracy
±100 kHz max
Frequency stability
±100 kHz max
AC input
103.5 V to 126.5 V
Surge protection
AC input, tested at 3.5 kV from 10µ F cap
RF input, tested at 3.5 kV from 10µ F cap
Distortion at 15 dBmV 80 channel loading
Flat input, second order: -57 dB max
Cross modulation: - 57 dB max
Composite triple beat: -63 dB max
Input level
-7 dBmV to 20 dBmV (operational)
Audio distortion
THD 2.5% max
Audio signal-to-noise
50 dB min
Aural carrier
4.5 MHz ±5 kHz — offset from visual carrier

Mechanical
Keyboard type
Individual push-button switches
Front location

User Interface
Display type
LED, 4 digits, clock display
On-screen display
16 lines x 45 columns (and 16 lines x 24 columns)
Graphics capability
320 pixels x 200 pixels x 16 colors Palette of 1203 colors

X-Port
Transmit/receive line voltage
TTL logic levels
Baud rate
14.42 kb/s (nominal)

RF Return
Frequency range
15.5 MHz to 17.7 MHz
Modulation rate
20 kbps
Modulation technique
BPSK
Maximum output power
60 dBmV (transmission peak)

Specifications and product availability are subject to change without notice.

Scientific Atlanta

Scientific-Atlanta, Inc. http://www.sciatl.com
United States: 4251 Communications Drive, Norcross, GA 30093; Tel: 800-722-2009; Fax: 770-903-4617
Canada: 7725 Lougheed Highway, Burnaby, BC V5A 4V8; Tel: 604-420-5822; Fax: 604-420-5941
United Kingdom: Home Park Estate, Kings Langley, Herts WD4 8LZ, England; Tel: 44-923-266-133; Fax: 44-192-327-0448
Singapore: 1 Claymore Drive, #09-11 Orchard Towers, Singapore 229594; Tel: 65-733-4314; Fax: 65-733-2706
Hong Kong: Suite 55 & 57, 5/F New Henry House, 10 Ice House Street, Central, Hong Kong; Tel: 852-2522-5059; Fax: 852-2522-5624

5500117

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ESN* Single Channel Negative Traps

Typical Response

Model	Channel		Notch Depth	L.A.S.	Upper Video	High Frequency Loss
ESN-A-2*	A-2	98	-75 dB*	-3.2 dB	-1.0 dB	-1.5 dB @ 860 MHz
ESN-A-1	A-1	99	-75 dB	-3.5 dB	-1.0 dB	-1.5 dB @ 860 MHz
ESN-A	A	14	-75 dB	-3.7 dB	-1.0 dB	-1.5 dB @ 860 MHz
ESN-B	B	15	-75 dB	-4.0 dB	-1.0 dB	-1.5 dB @ 860 MHz
ESN-C	C	16	-75 dB	-4.3 dB	-1.0 dB	-1.5 dB @ 860 MHz
ESN-D	D	17	-75 dB	-4.6 dB	-1.0 dB	-1.5 dB @ 860 MHz
ESN-E	E	18	-75 dB	-4.8 dB	-1.0 dB	-1.5 dB @ 860 MHz
ESN-F	F	19	-75 dB	-5.1 dB	-1.0 dB	-1.5 dB @ 860 MHz
ESN-G	G	20	-75 dB	-5.4 dB	-1.0 dB	-1.5 dB @ 860 MHz
ESN-H	H	21	-75 dB	-5.6 dB	-1.2 dB	-1.5 dB @ 860 MHz
ESN-I	I	22	-75 dB	-5.9 dB	-1.2 dB	-1.5 dB @ 860 MHz
ESN-7	7	7	-75 dB	-6.1 dB	-1.2 dB	-1.5 dB @ 860 MHz
ESN-8	8	8	-75 dB	-6.3 dB	-1.2 dB	-1.5 dB @ 860 MHz
ESN-9	9	9	-75 dB	-6.5 dB	-1.2 dB	-1.5 dB @ 860 MHz
ESN-10	10	10	-75 dB	-6.6 dB	-1.2 dB	-1.5 dB @ 860 MHz
ESN-11	11	11	-75 dB	-6.8 dB	-1.2 dB	-1.5 dB @ 860 MHz
ESN-12	12	12	-75 dB	-7.0 dB	-1.2 dB	-1.5 dB @ 860 MHz
ESN-13	13	13	-75 dB	-7.2 dB	-1.2 dB	-1.5 dB @ 860 MHz
ESN-J	J	23	-70 dB	-7.4 dB	-1.4 dB	-2.0 dB @ 1 GHz
ESN-K	K	24	-70 dB	-7.6 dB	-1.4 dB	-2.0 dB @ 1 GHz
ESN-L	L	25	-70 dB	-7.8 dB	-1.4 dB	-2.0 dB @ 1 GHz
ESN-M	M	26	-70 dB	-8.1 dB	-1.4 dB	-2.0 dB @ 1 GHz
ESN-N	N	27	-70 dB	-8.2 dB	-1.4 dB	-2.0 dB @ 1 GHz
ESN-O	O	28	-70 dB	-8.4 dB	-1.4 dB	-2.0 dB @ 1 GHz
ESN-P	P	29	-70 dB	-8.7 dB	-1.4 dB	-2.0 dB @ 1 GHz
ESN-Q	Q	30	-70 dB	-9.0 dB	-1.4 dB	-2.0 dB @ 1 GHz
ESN-R	R	31	-70 dB	-9.3 dB	-1.4 dB	-2.0 dB @ 1 GHz
ESN-S	S	32	-70 dB	-9.6 dB	-1.4 dB	-2.0 dB @ 1 GHz
ESN-T	T	33	-70 dB	-9.9 dB	-1.4 dB	-2.0 dB @ 1 GHz
ESN-U	U	34	-70 dB	-10.1 dB	-1.4 dB	-2.0 dB @ 1 GHz
ESN-V	V	35	-70 dB	-10.3 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-W	W	36	-70 dB	-10.5 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-AA	AA	37	-70 dB	-10.6 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-BB	BB	38	-70 dB	-10.8 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-CC	CC	39	-70 dB	-11.0 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-DD	DD	40	-70 dB	-11.2 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-EE	EE	41	-70 dB	-11.3 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-FF	FF	42	-70 dB	-11.4 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-GG	GG	43	-70 dB	-11.5 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-HH	HH	44	-70 dB	-11.7 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-II	II	45	-70 dB	-12.0 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-JJ	JJ	46	-70 dB	-12.3 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-KK	KK	47	-70 dB	-12.6 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-LL	LL	48	-70 dB	-12.9 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-MM	MM	49	-70 dB	-13.2 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-NN	NN	50	-70 dB	-13.5 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-OO	OO	51	-70 dB	-13.8 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-PP	PP	52	-70 dB	-14.1 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-QQ	QQ	53	-70 dB	-14.3 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-RR	RR	54	-70 dB	-14.5 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-SS	SS	55	-70 dB	-14.8 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-TT	TT	56	-70 dB	-14.9 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-UU	UU	57	-70 dB	-15.1 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-VV	VV	58	-70 dB	-15.3 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-WW	WW	59	-70 dB	-15.5 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-XX	XX	60	-70 dB	-15.7 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-YY	YY	61	-70 dB	-15.9 dB	-1.8 dB	-2.0 dB @ 1 GHz
ESN-ZZ	ZZ	62	-70 dB	-16.1 dB	-1.8 dB	-2.0 dB @ 1 GHz

*Patents #5148133, 5168251 **Trap: Length is 3.56" / Diameter .825 / Specifications subject to change without notice**

EAGLE COMTRONICS INC.

Corporate Headquarters: 4562 Waterhouse Road, Clay, NY 13041
Telephone: (315) 622-3402 Toll Free 1 800-448-7474 *Fax:* (315) 622-3800
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Pub No. 496-4 Printed in USA

ETN* MICRO-SERIES Single Channel Negative Traps

Typical Response

MODEL	CHANNEL		NOTCH-DEPTH	L.A.S.	UPPER VIDEO	HIGH FREQUENCY LOSS
ETN-2*	2	2	-75 dB	-2.0 dB	-0.5 dB	-2.5dB @ 800 MHz
ETN-3	3	3	-75 dB	-2.5 dB	-0.5 dB	-2.5dB @ 860 MHz
ETN-4	4	4	-75 dB	-2.5 dB	-0.5 dB	-2.5dB @ 860 MHz
ETN-5	5	5	-75 dB	-0.5 dB	-1.0 dB	-2.5dB @ 860 MHz
ETN-6	6	6	-75 dB	-3.5 dB	-1.0 dB	-2.5dB @ 860 MHz
ETN-A-2	A-2	98	-75 dB		-1.0 dB	-2.5dB @ 860 MHz
ETN-A-1	A-1	99	-75 dB	-5.5 dB	-1.0 dB	-2.5dB @ 860 MHz
ETN-A	A	14	-75 dB	-5.8 dB	-1.0 dB	-2.5dB @ 860 MHz
ETN-B	B	15	-75 dB	-5.8 dB	-1.0 dB	-2.5dB @ 860 MHz
ETN-C	C	16	-75 dB	-5.8 dB	-1.0 dB	-2.5dB @ 860 MHz
ETN-D	D	17	-75 dB	-6.0 dB	-1.0 dB	-2.5dB @ 860 MHz
ETN-E	E	18	-75 dB	-6.2 dB	-1.2 dB	-2.5dB @ 860 MHz
ETN-F	F	19	-75 dB	-6.5 dB	-1.2 dB	-2.5dB @ 860 MHz
ETN-G	G	20	-75 dB	-6.8 dB	-1.2 dB	-2.5dB @ 860 MHz
ETN-H	H	21	-75 dB	-7.0 dB	-1.2 dB	-2.5dB @ 860 MHz
ETN-I	I	22	-75 dB	-7.2 dB	-1.2 dB	-2.5dB @ 860 MHz
ETN-7	7	7	-75 dB	-7.5 dB	-1.2 dB	-2.5dB @ 860 MHz
ETN-8	8	8	-75 dB	-8.0 dB	-1.2 dB	-2.5dB @ 860 MHz
ETN-9	9	9	-75 dB	-8.2 dB	-1.5 dB	-2.5dB @ 860 MHz
ETN-10	10	10	-75 dB	-9.0 dB	-1.5 dB	-2.5dB @ 860 MHz
ETN-11	11	11	-75 dB	-9.5 dB	-1.5 dB	-2.5dB @ 860 MHz
ETN-12	12	12	-75 dB	-10.0 dB	-1.5 dB	-2.5dB @ 860 MHz
ETN-13	13	13	-75 dB	-10.5 dB	-1.5 dB	-2.5dB @ 860 MHz
ETN-J	J	23	-70 dB	-11.5 dB	-1.5 dB	-2.5dB @ 860 MHz
ETN-K	K	24	-70 dB	-12.5 dB	-1.5 dB	-2.5dB @ 860 MHz
ETN-L	L	25	-70 dB	-13.5 dB	-1.5 dB	-2.5dB @ 860 MHz
ETN-M	M	26	-70 dB	-14.5 dB	-1.5 dB	-2.5dB @ 860 MHz
ETN-N	N	27	-70 dB	-15.0 dB	-1.5 dB	-2.5dB @ 860 MHz
ETN-O	O	28	-70 dB	-15.5 dB	-2.0 dB	-2.5dB @ 860 MHz
ETN-P	P	29	-70 dB	-16.0 dB	-2.0 dB	-2.5dB @ 860 MHz
ETN-Q	Q	30	-70 dB	-16.5 dB	-2.0 dB	-2.5dB @ 860 MHz
ETN-R	R	31	-70 dB	-17.0 dB	-2.0 dB	-2.5dB @ 860 MHz
ETN-S	S	32	-70 dB	-17.5 dB	-2.0 dB	-2.5dB @ 860 MHz
ETN-T	T	33	-70 dB	-18.5 dB	-2.5 dB	-2.5dB @ 860 MHz
ETN-U	U	34	-70 dB	-20.0 dB	-2.5 dB	-2.5dB @ 860 MHz
ETN-V	V	35	-70 dB	-21.5 dB	-2.5 dB	-2.5dB @ 860 MHz
ETN-W**	W	36	-70 dB	-23.0 dB	-2.5 dB	-2.5dB @ 860 MHz

*** Patents #4451803, 5202656** ****Higher channels available upon request.**

EAGLE COMTRONICS INC.

Corporate Headquarters: 4562 Waterhouse Road, Clay, NY 13041
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Printed in USA

System M (NTSC, PAL M, PAL N)					Typical Response in dB		
Channel		Video Carrier (MHz)	Decoding Frequency (MHz)	Audio Carrier (MHz)	EMN -CH L.A.S.	EMN -CH Upper Video	EMD -CH Video Loss
2	2	55.25	57.5	59.75	–	-0.7	-1.7
3	3	61.25	63.5	65.75	-2.7	-0.7	-1.8
4	4	67.25	69.5	71.75	-3.0	-0.7	-1.9
5	5	77.25	79.5	81.75	-0.5	-1.0	-2.0
6	6	83.25	85.5	87.75	-3.5	-1.0	-2.1
A-5	95	91.25	93.5	95.75	-4.0	-1.0	-2.2
A-4	96	97.25	99.5	101.75	-4.1	-1.0	-2.3
A-3	97	103.25	105.5	107.75	-4.2	-1.0	-2.4
A-2	98	109.25	111.5	113.75	-4.3	-1.0	-2.5
A-1	99	115.25	117.5	119.75	-4.4	-1.0	-2.6
A	14	121.25	123.5	125.75	-4.5	-1.0	-2.7
B	15	127.25	129.5	131.75	-4.7	-1.0	-2.9
C	16	133.25	135.5	137.75	-5.0	-1.0	-3.0
D	17	139.25	141.5	143.75	-5.3	-1.0	-3.1
E	18	145.25	147.5	149.75	-5.5	-1.2	-3.3
F	19	151.25	153.5	155.75	-5.7	-1.2	-3.4
G	20	157.25	159.5	161.75	-5.9	-1.2	-3.5
H	21	163.25	165.5	167.75	-6.1	-1.2	3.7
I	22	169.25	171.5	173.75	-6.4	-1.2	-3.7
7	7	175.25	177.5	179.75	-6.6	-1.2	-3.8
8	8	181.25	183.5	185.75	-6.8	-1.2	-4.0
9	9	187.25	189.5	191.75	-7.0	-1.2	-4.2
10	10	193.25	195.5	197.75	-7.3	-1.5	-4.5
11	11	199.25	201.5	203.75	-7.5	-1.5	-4.8
12	12	205.25	207.5	209.75	-7.7	-1.5	-5.0
13	13	211.25	213.5	215.75	-7.9	-1.5	-5.1
J	23	217.25	219.5	221.75	-8.1	-1.5	-5.2
K	24	223.25	225.5	227.75	-8.3	-1.5	-5.3
L	25	229.25	231.5	231.75	-8.6	-1.5	-5.4
M	26	235.25	237.5	239.75	-8.9	-1.5	-5.5
N	27	241.25	243.5	245.75	-9.1	-1.7	-5.6
O	28	247.25	249.5	251.75	-9.4	-1.7	-5.7
P	29	253.25	255.5	257.75	-9.6	-1.7	-5.8
Q	30	259.25	261.5	263.75	-9.8	-1.7	-5.9
R	31	265.25	267.5	269.75	-10.1	-1.7	-6.0
S	32	271.25	273.5	275.75	-10.4	-1.7	-6.2
T	33	277.25	279.5	281.75	-10.7	-1.7	-6.4
U	34	283.25	285.5	287.75	-11.1	-1.7	-6.6
V	35	289.25	291.5	293.75	-11.5	-1.7	-6.8
W	36	295.25	297.5	299.75	-11.9	-1.7	-7.0
AA	37	301.25	303.5	305.75	-12.3	-1.9	-7.2
BB	38	307.25	309.5	311.75	-12.6	-1.9	-7.5
CC	39	313.25	315.5	317.75	-12.8	-1.9	-7.9
DD	40	319.25	321.5	323.75	-13.0	-1.9	-8.1
EE	41	325.25	327.5	329.75	-13.2	-1.9	-8.3
FF	42	331.25	333.5	335.75	-13.4	-1.9	-8.5
GG	43	337.25	339.5	341.75	-13.6	-1.9	–
HH	44	343.25	345.5	347.75	-13.8	-2.1	–
II	45	349.25	351.5	353.75	-14.0	-2.1	–
JJ	46	355.25	357.5	359.75	-14.2	-2.1	–
KK	47	361.25	363.5	365.75	-14.4	-2.1	–
LL	48	367.25	369.5	371.75	-14.6	-2.1	–
MM	49	373.25	375.5	377.75	-14.8	-2.1	–
NN	50	379.25	381.5	383.75	-15.0	-2.1	–
OO	51	385.25	387.5	389.75	-15.2	-2.1	–
PP	52	391.25	393.5	395.75	-15.4	-2.1	–
QQ	53	397.25	399.5	401.75	-15.6	-2.1	–
RR	54	403.25	405.5	407.75	-15.9	-2.1	–

Specifications subject to change without notice.

System M Typical Response

EMN-CH Negative EMD-CH Positive

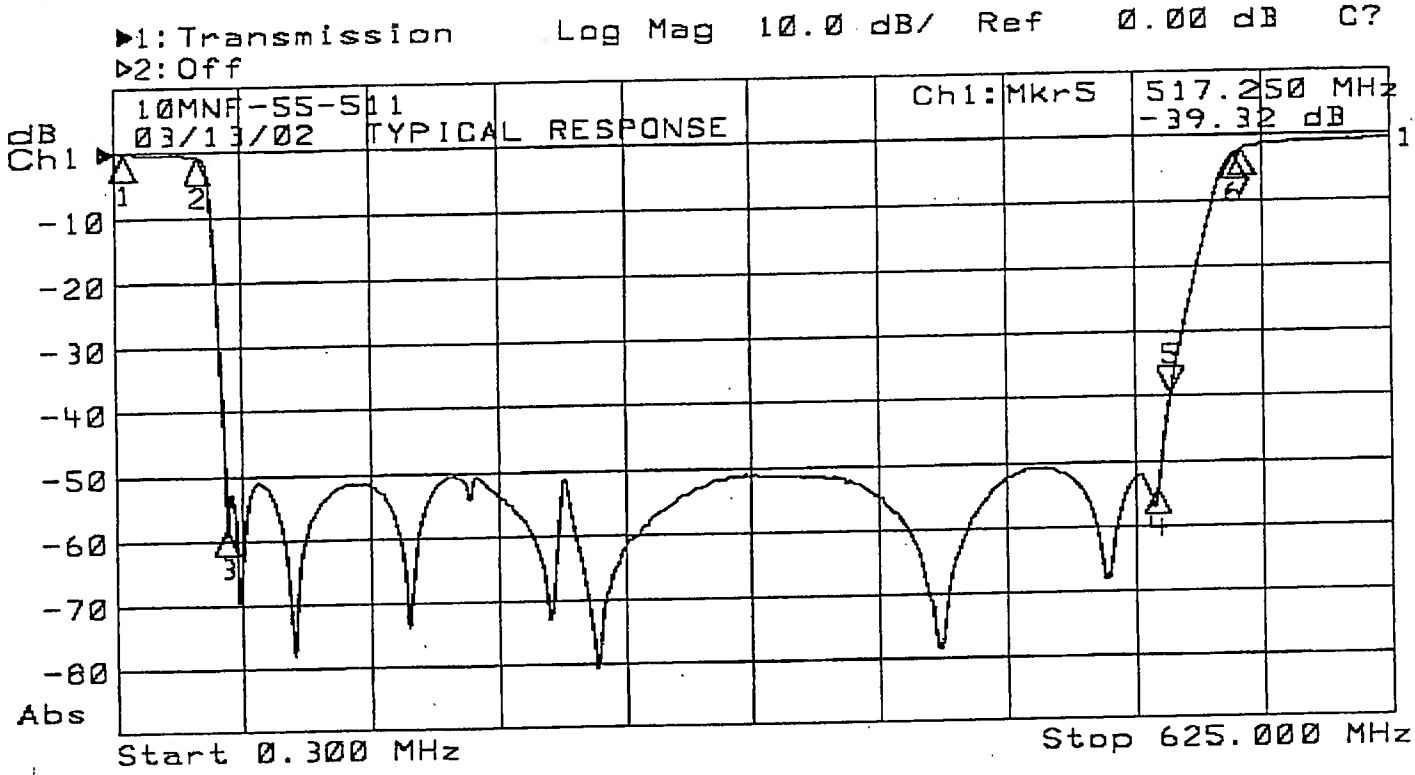
Single Channel Notch Filters

EAGLEelite
Eagle Comtronics, Inc.
4562 Waterhouse Road, Clay, NY 13041
800.448.7474 • 315.622.3402
Fax 315.622.3800 or • 315.622.3100
email: sales@eaglecomtronics.com
Web Site: www.eaglefilters.com

EAGLE COMTRONICS INC.

10MNF-2

Model: 10MNF-55-511 (3.4)



Channel 1 Markers				
Mk #	Channel #		Frequency	Loss
1			5.000	-0.10
2			42.000	-0.77
3	2 = 2	Video	55.250	-58.06
4	JJJ = 72	Video	511.250	-54.04
5	KKK = 73	Video	517.250	-39.32
6			550.000	-2.36
7	QQQ = 79	Video	553.250	-1.80

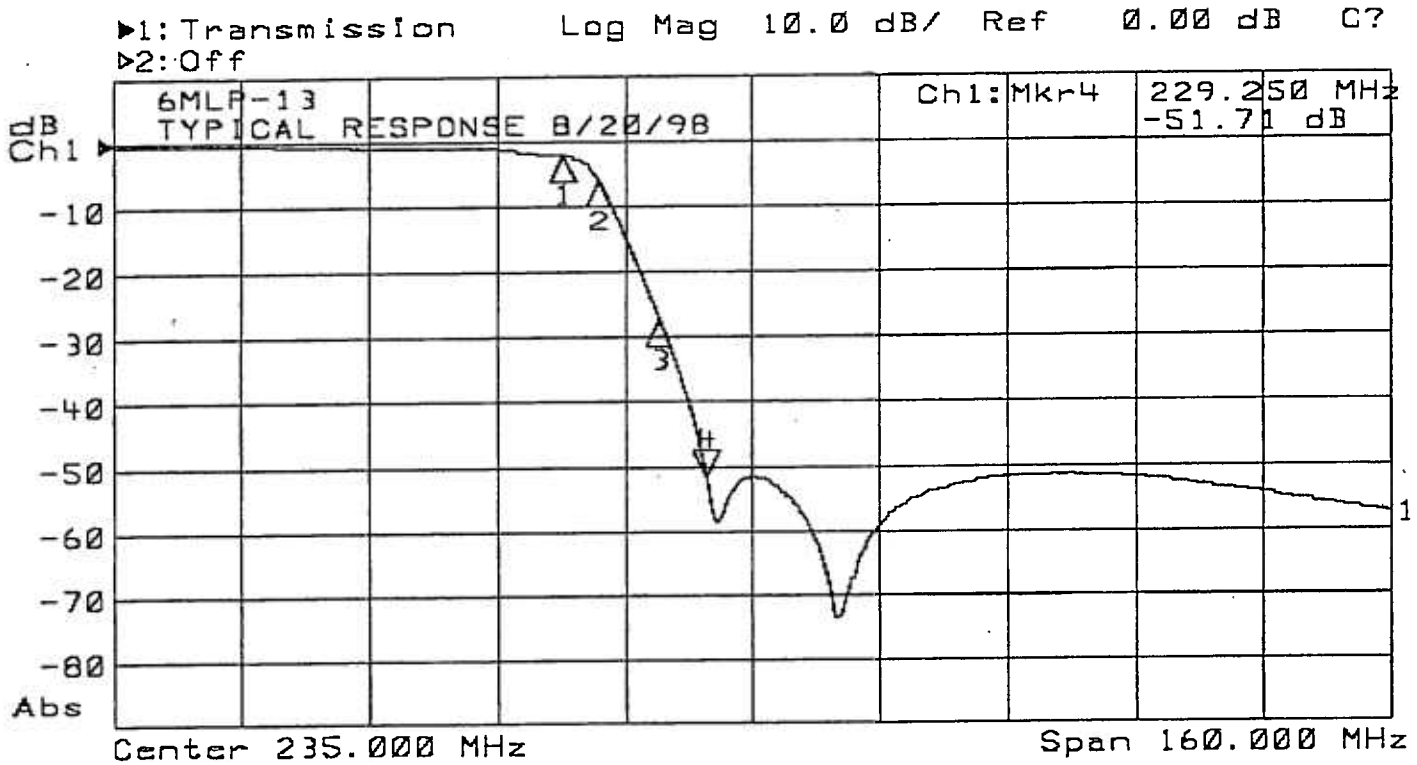
Channel 2 Markers				
Mk #	Channel #		Frequency	Loss
1				
2				
3				
4				
5				
6				
7				

Eagle Comtronics, Inc Confidential Production Variances May Occur

Customer Approval Date _____

EAGLE COMTRONICS INC.

Model: 6MLP-13



Channel 1 Markers				
Mk #	Channel #		Frequency	Loss
1	13 = 13	Video	211.250	-2.00
2	13 = 13	Audio	215.750	-5.97
3	K = 24	Video	223.250	-27.08
4	L = 25	Video	229.250	-51.71

Channel 2 Markers				
Mk #	Channel #		Frequency	Loss
1				
2				
3				
4				

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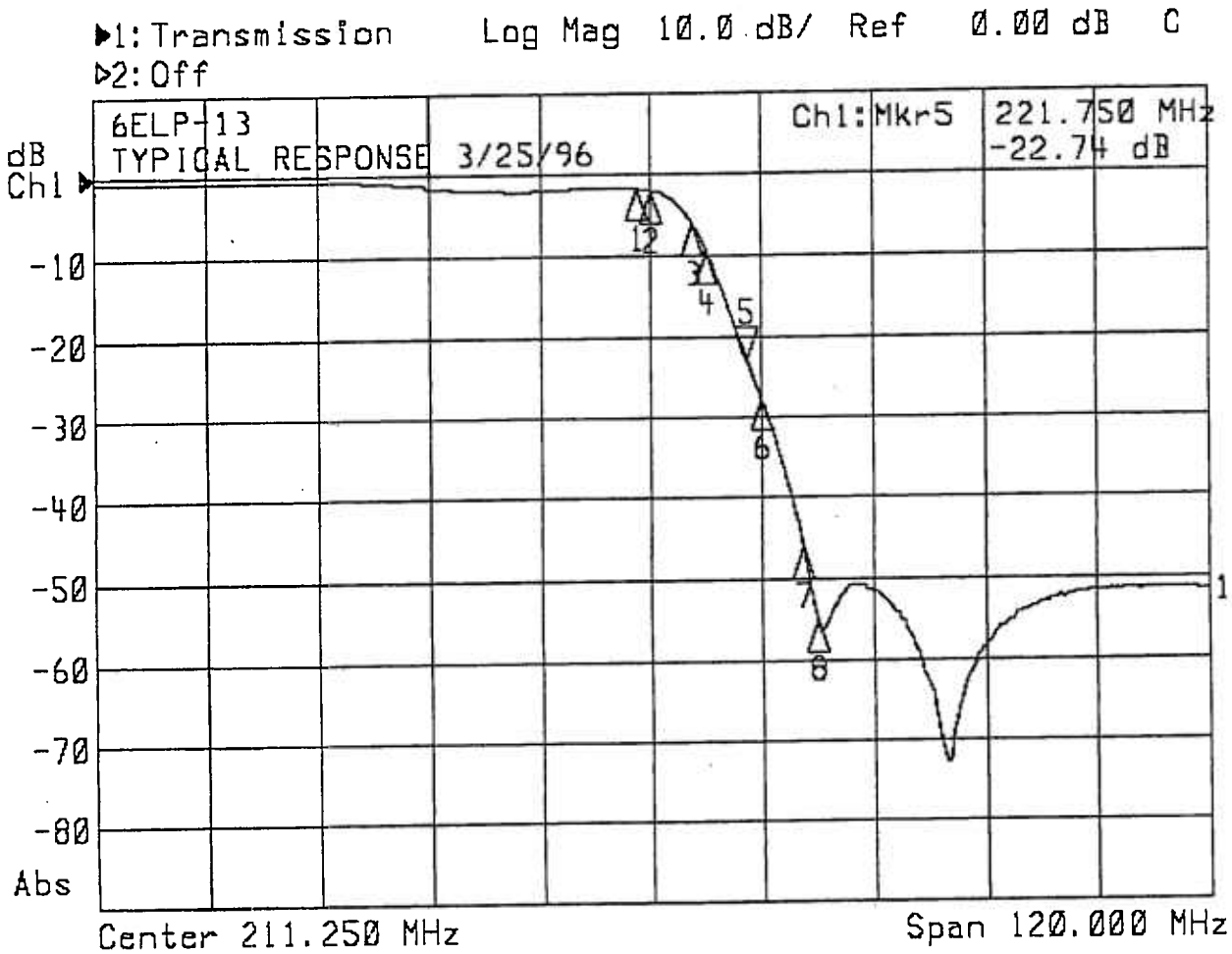
Customer Approval _____ Date _____

Plots Available for 6ELP-13

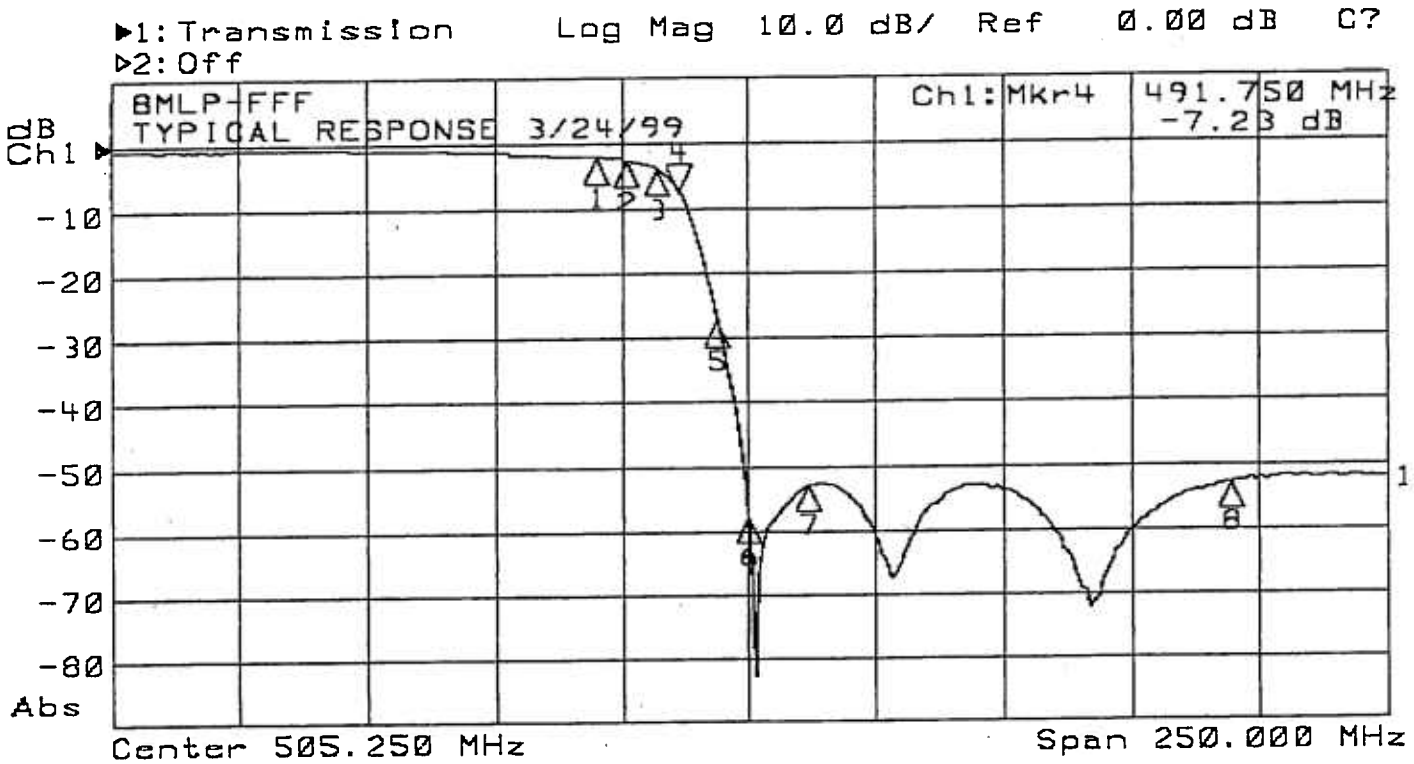
Confidential



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1: 209.75	-1.67		
2: 211.25	-1.95		
3: 215.75	-5.92		
4: 217.25	-9.34		
5> 221.75	-22.74		
6: 223.25	-27.59		
7: 227.75	-46.02		
8: 229.25	-55.15		

EAGLE COMTRONICS INC.

Model: 8MLP-FFF



Channel 1 Markers				
Mk #	Channel #		Frequency	Loss
1	DDD = 66	Video	475.250	-1.96
2	EEE = 67	Video	481.250	-2.48
3	FFF = 68	Video	487.250	-3.81
4	FFF = 68	Audio	491.750	-7.23
5	HHH = 70	Video	499.250	-27.29
6	III = 71	Video	505.250	-57.73
7	KKK = 73	Video	517.250	-52.92
8			600.000	-52.74

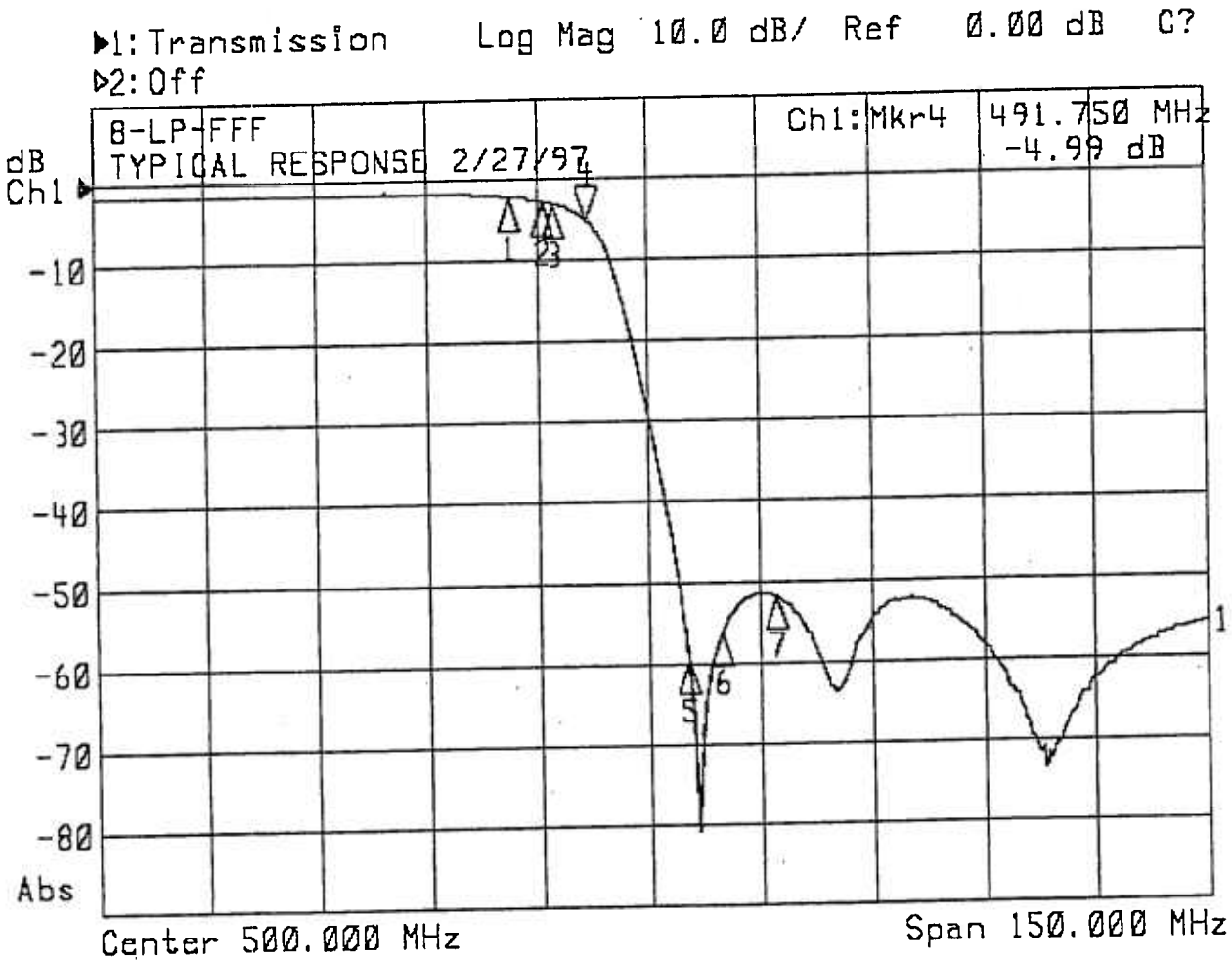
Channel 2 Markers				
Mk #	Channel #		Frequency	Loss
1				
2				
3				
4				
5				
6				
7				
8				

Eagle Comtronics, Inc Confidential Production Variances May Occur

Customer Approval Date _____

Plots Available for 8-LP-FFF

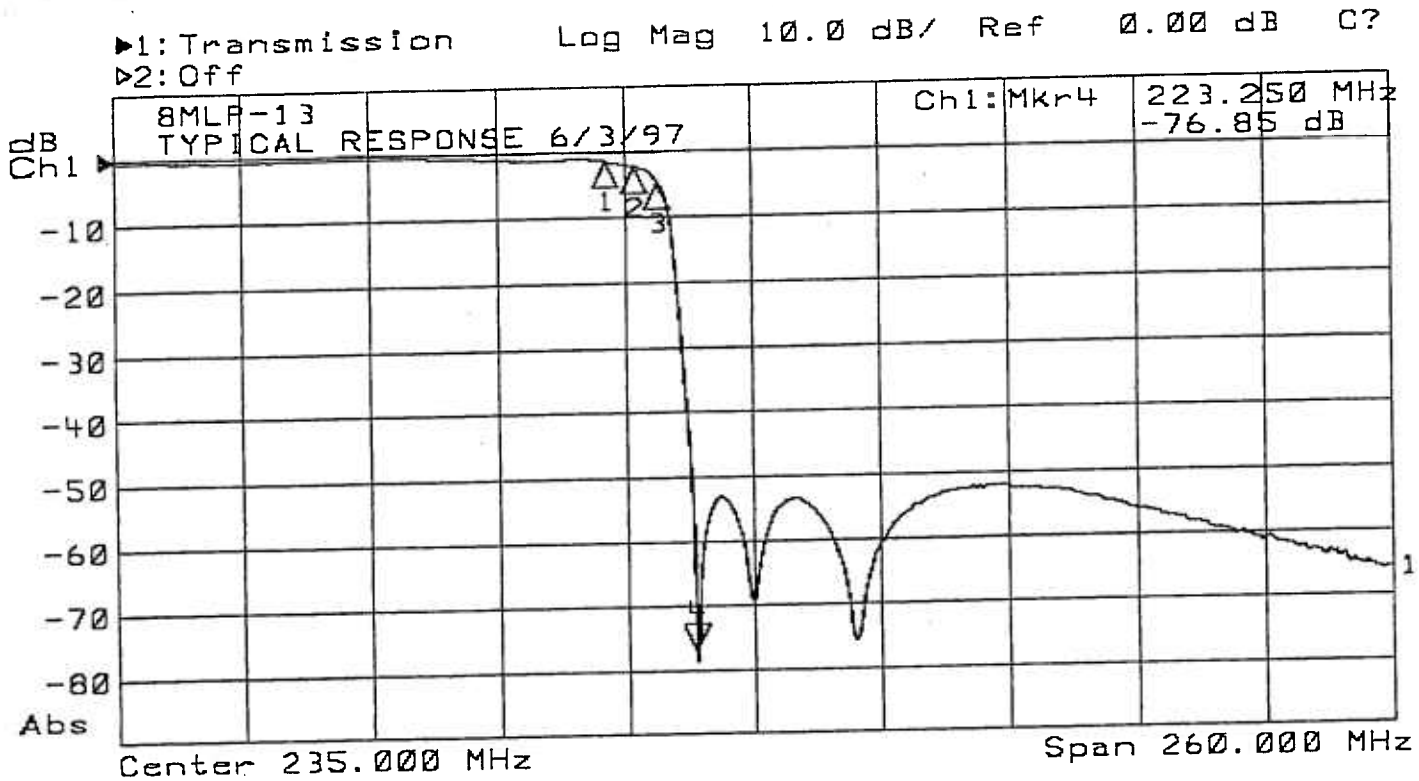
Confidential



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1: 481.25	-2.12		
2: 485.75	-2.70		
3: 487.25	-3.04		
4> 491.75	-5.00		
5: 505.25	-59.67		
6: 509.75	-56.28		
7: 517.25	-51.94		

EAGLE COMTRONICS INC.

Model: 8MLP-13



Channel 1 Markers				
Mk #	Channel #		Frequency	Loss
1	12 = 12	Video	205.250	-1.40
2	13 = 13	Video	211.250	-2.23
3	13 = 13	Audio	215.750	-4.54
4	K = 24	Video	223.250	-76.85

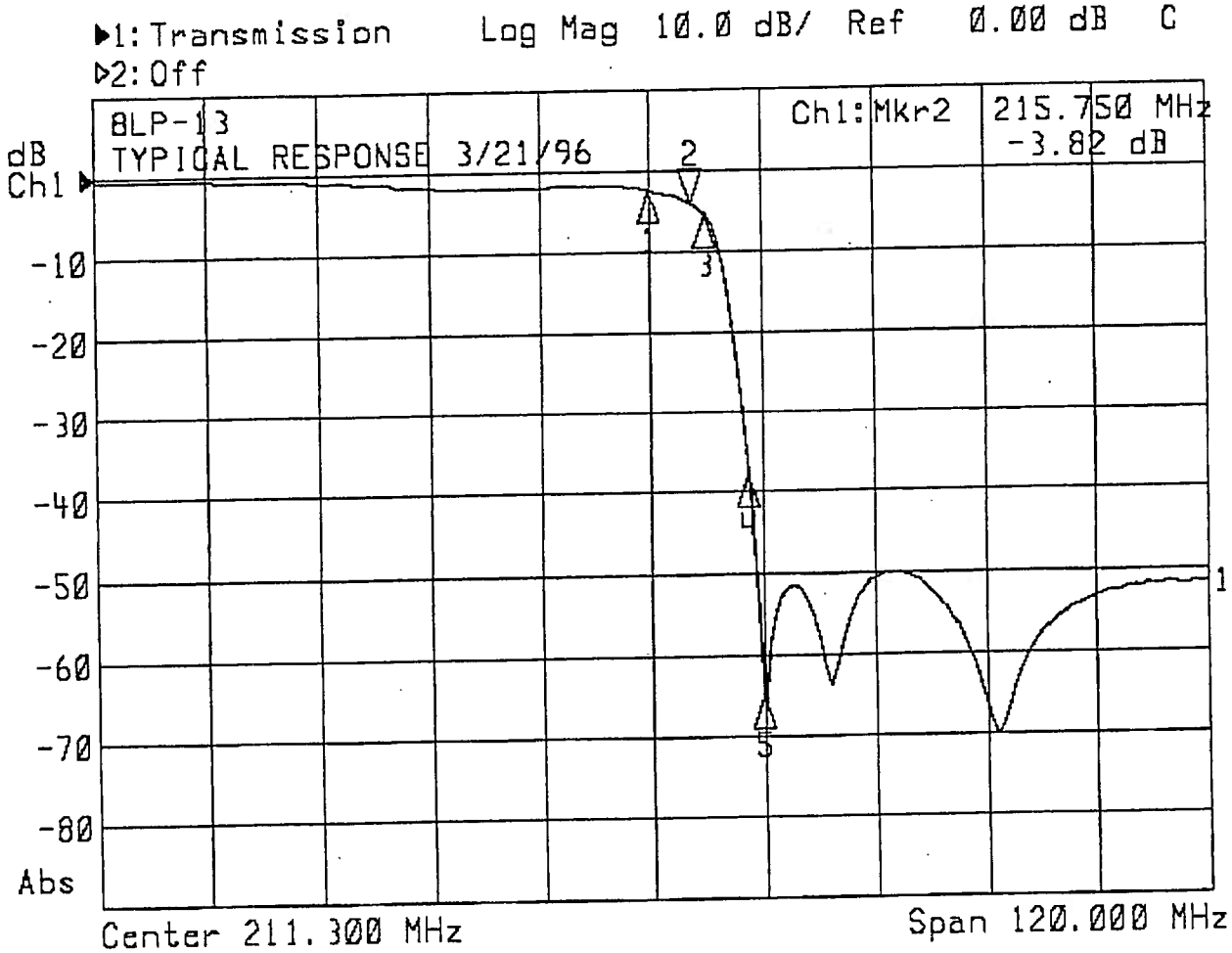
Channel 2 Markers				
Mk #	Channel #		Frequency	Loss
1				
2				
3				
4				

Eagle Comtronics, Inc Confidential Production Variances May Occur

Customer Approval _____ Date _____

Plots Available for 8-LP-13

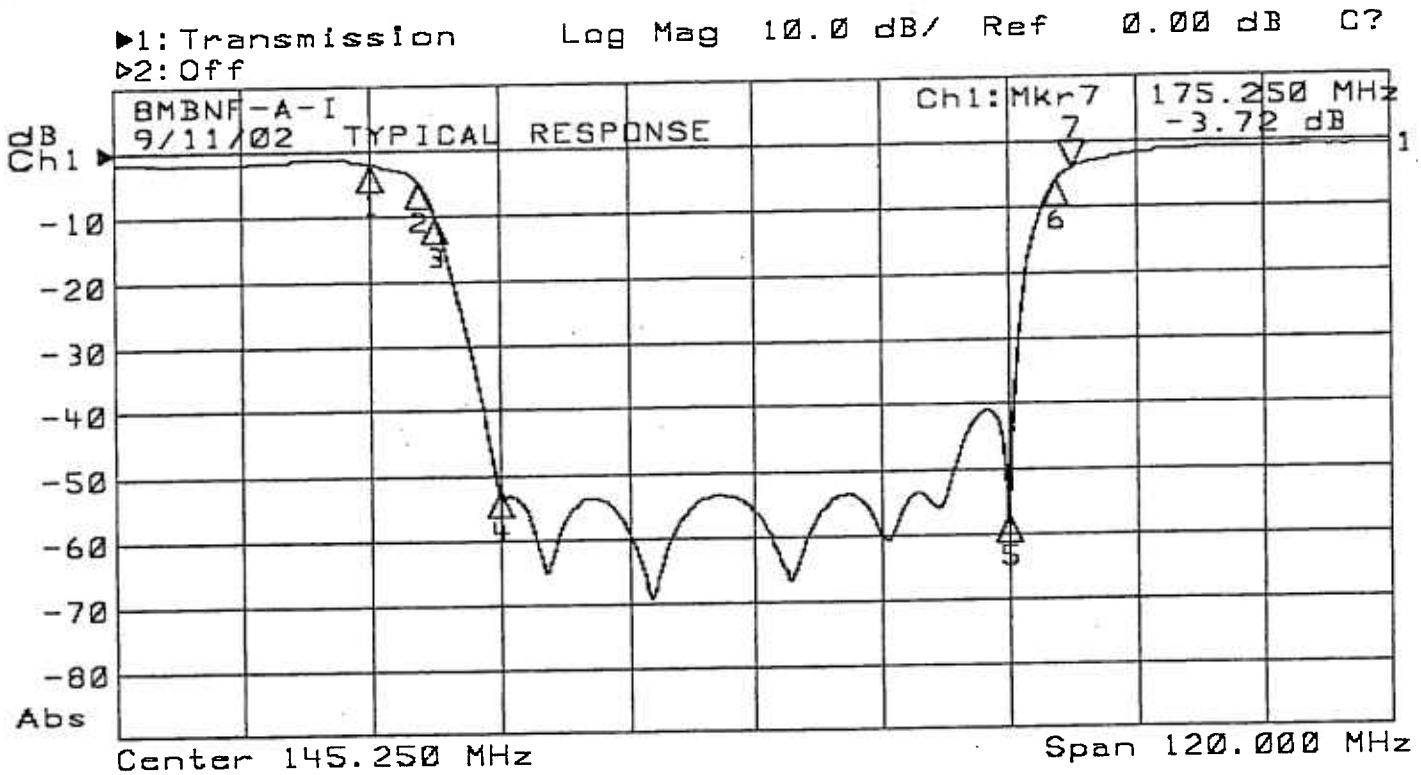
Confidential



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1: 211.25	-2.28		
2> 215.75	-3.82		
3: 217.25	-5.32		
4: 221.75	-37.81		
5: 223.25	-65.01		

EAGLE COMTRONICS INC.

Model: 8MBNF-A-I



Channel 1 Markers				
Mk #	Channel #		Frequency	Loss
1	A-2 = 98	Video	109.250	-1.96
2	A-2 = 98	Audio	113.750	-4.61
3	A-1 = 99	Video	115.250	-9.94
4	A = 14	Video	121.250	-52.60
5	I = 22	Video	169.250	-57.27
6	I = 22	Audio	173.750	-5.58
7	7 = 7	Video	175.250	-3.72

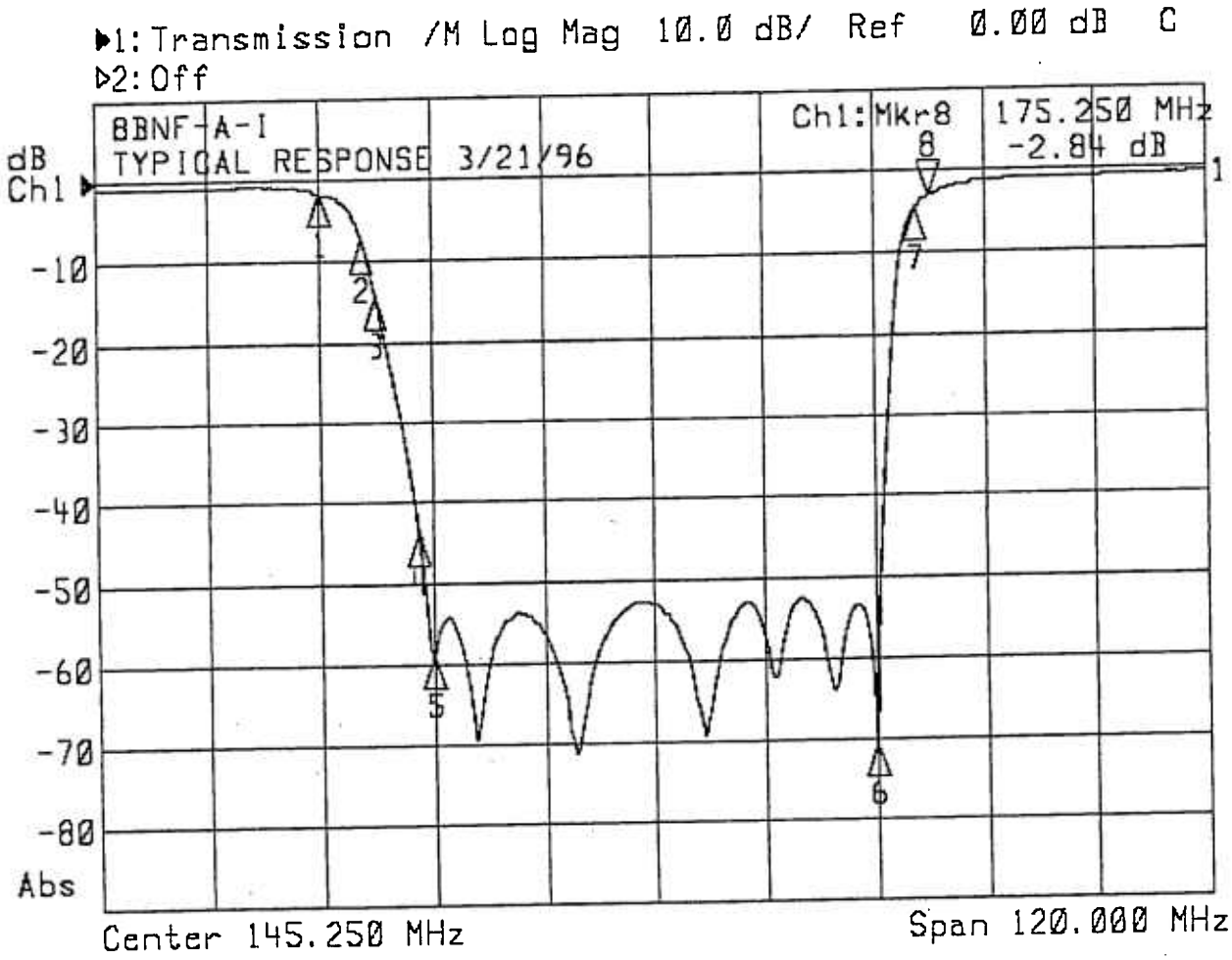
Channel 2 Markers				
Mk #	Channel #		Frequency	Loss
1				
2				
3				
4				
5				
6				
7				

Eagle Comtronics, Inc Confidential Production Variances May Occur

Customer Approval _____ Date _____

Plots Available for 8-BNF-A-I

Confidential

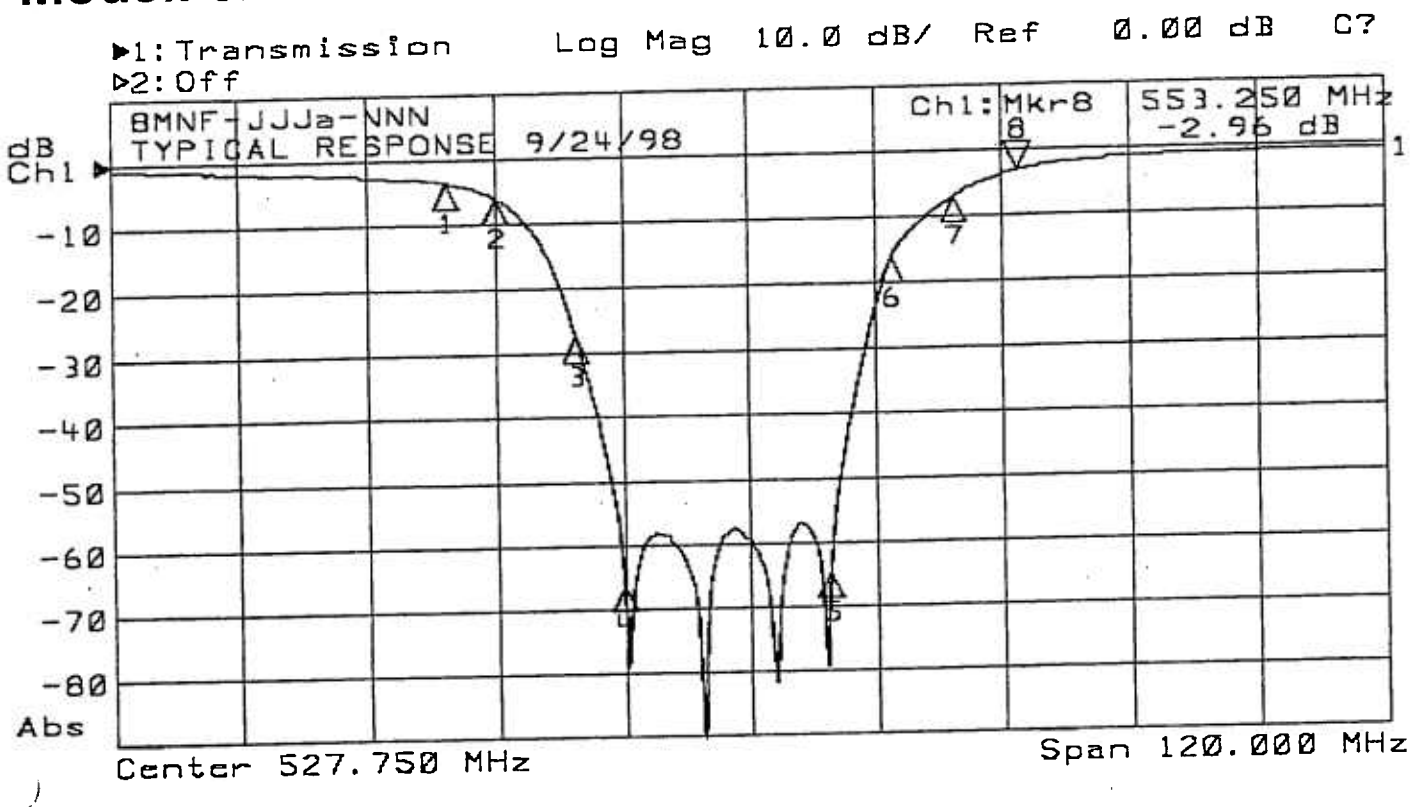


1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1: 109.25	-1.61		
2: 113.75	-7.30		
3: 115.25	-14.21		
4: 119.75	-43.73		
5: 121.25	-58.94		
6: 169.25	-70.73		
7: 173.75	-4.45		
8> 175.25	-2.84		

EAGLE COMTRONICS INC.

8MNF-JJJ

Model: 8MNF-JJJa-NNN



Channel 1 Markers				
Mk #	Channel #		Frequency	Loss
1	HHH = 70	Video	499.250	-3.58
2	HHH = 70	Audio	503.750	-6.00
3	JJJ = 72	Video	511.250	-27.10
4	JJJ = 72	Audio	515.750	-66.29
5	NNN = 76	Video	535.250	-64.71
6	OOO = 77	Video	541.250	-16.06
7	PPP = 78	Video	547.250	-6.87
8	QQQ = 79	Video	553.250	-2.96

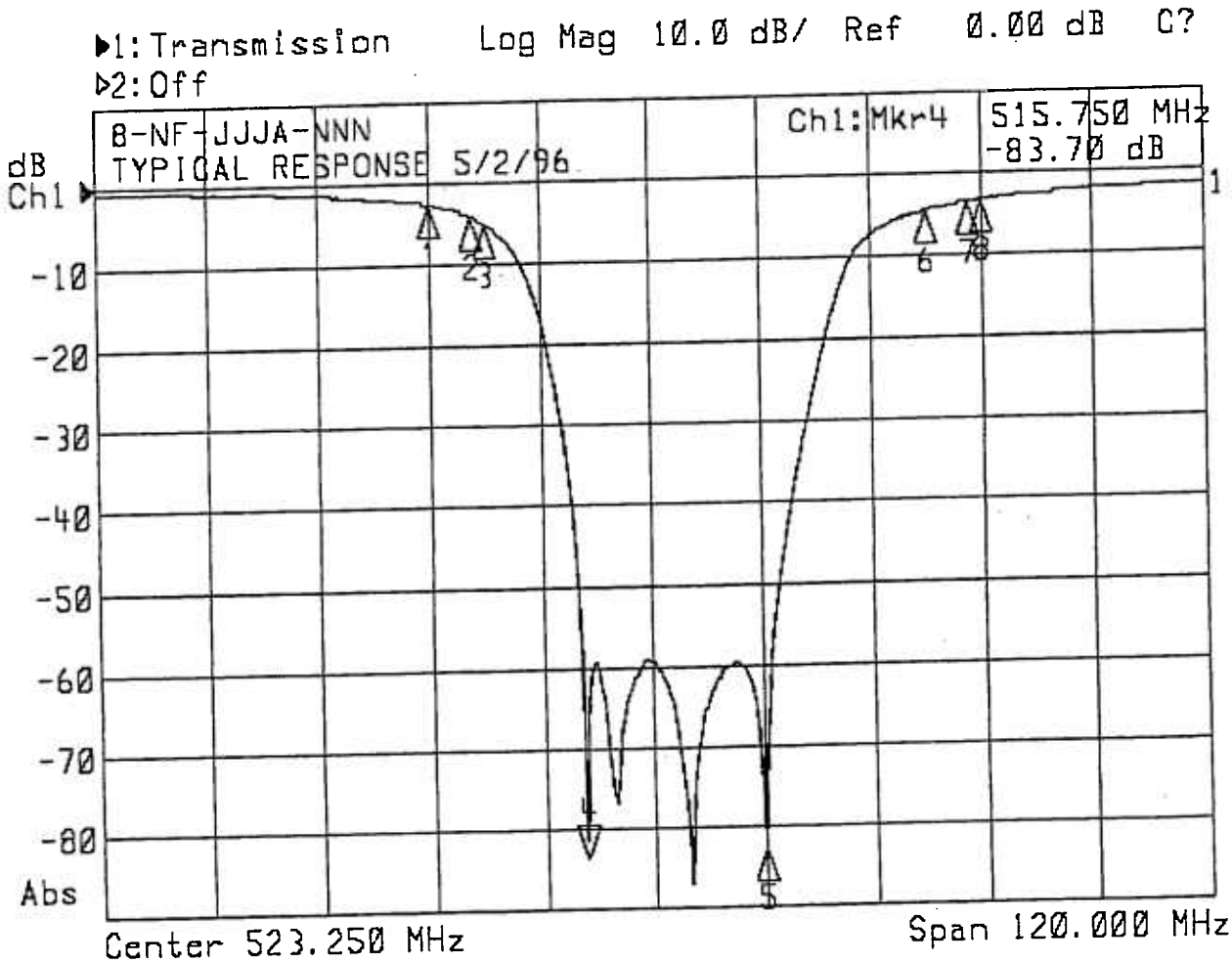
Channel 2 Markers				
Mk #	Channel #		Frequency	Loss
1				
2				
3				
4				
5				
6				
7				
8				

Eagle Comtronics, Inc Confidential Production Variances May Occur

Customer Approval _____ Date _____

Plots Available for 8-NF-JJJa-NNN

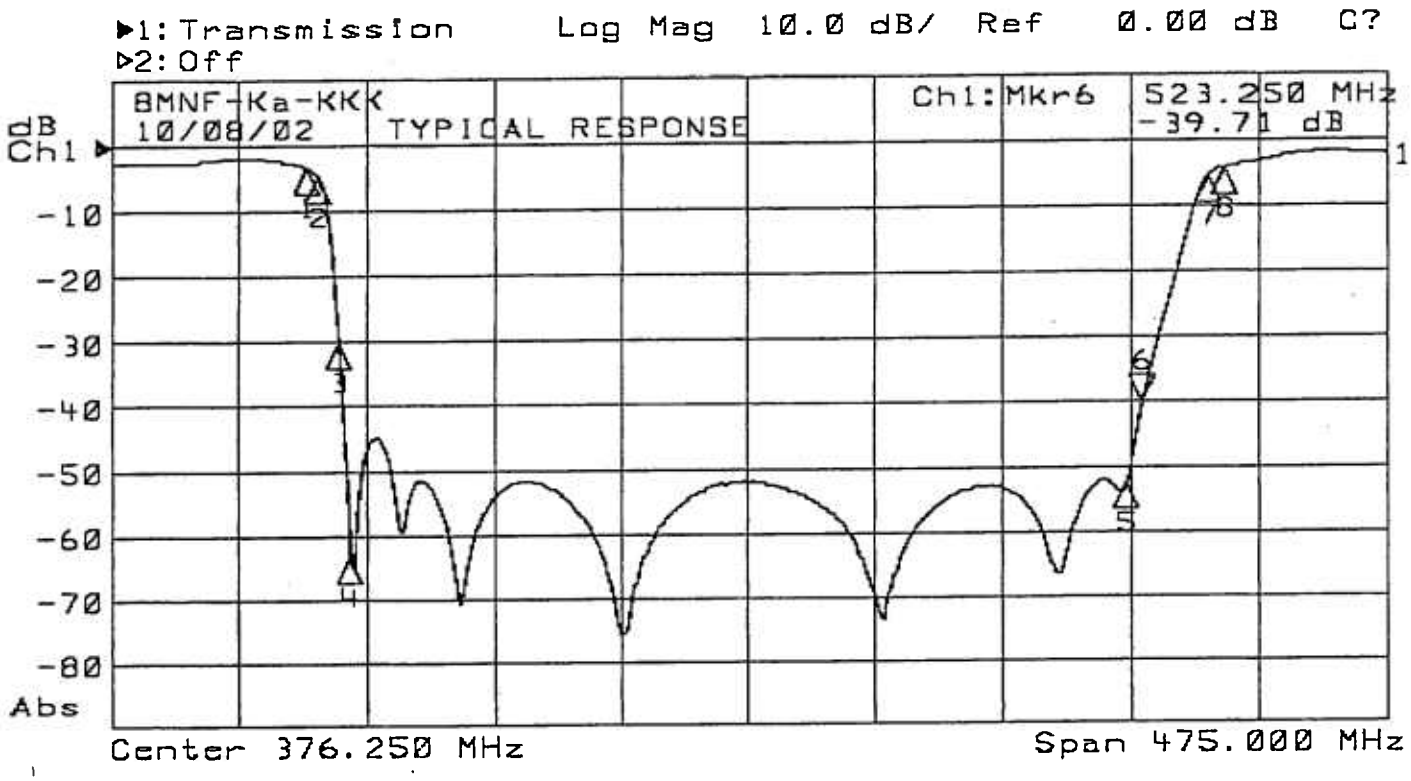
Confidential



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1: 499.25	-2.49		
2: 503.75	-4.03		
3: 505.25	-4.94		
4> 515.75	-83.70		
5: 535.25	-82.69		
6: 553.25	-4.39		
7: 557.75	-3.42		
8: 559.25	-3.14		

EAGLE COMTRONICS INC.

Model: 8MNF-Ka-KKK



Channel 1 Markers				
Mk #	Channel #		Frequency	Loss
1	13 = 13	Video	211.250	-3.21
2	13 = 13	Audio	215.750	-4.55
3	K = 24	Video	223.250	-29.88
4	K = 24	Audio	227.750	-63.43
5	KKK = 73	Video	517.250	-52.50
6	LLL = 74	Video	523.250	-39.71
7	PPP = 78	Video	547.250	-5.20
8	QQQ = 79	Video	553.250	-3.98

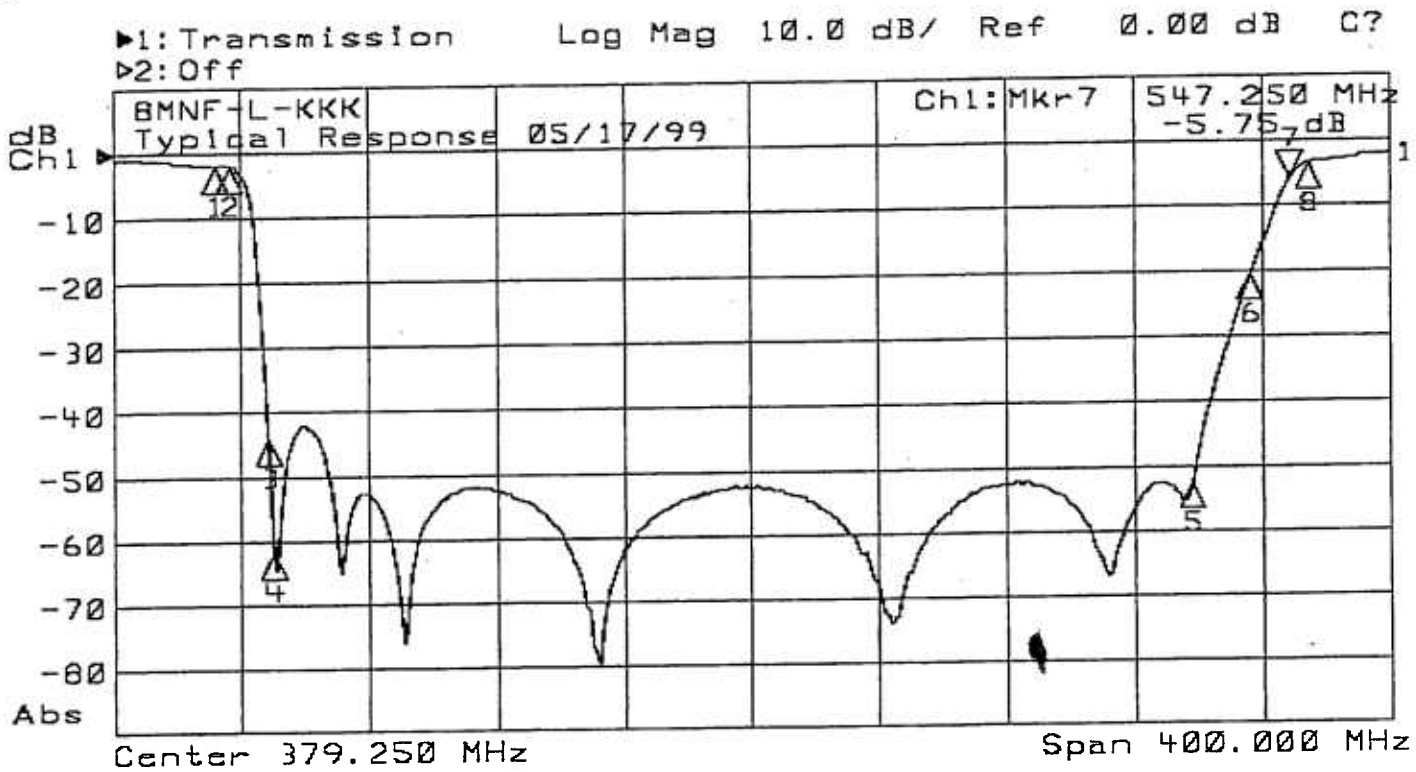
Channel 2 Markers				
Mk #	Channel #		Frequency	Loss
1				
2				
3				
4				
5				
6				
7				
8				

Eagle Comtronics, Inc Confidential Production Variances May Occur

Customer Approval _____ Date _____

EAGLE COMTRONICS INC.

Model: 8MNF-L-KKK



Channel 1 Markers				
Mk #	Channel #		Frequency	Loss
1	13 = 13	Video	211.250	-1.89
2	13 = 13	Audio	215.750	-1.96
3	K = 24	Audio	227.750	-43.92
4	L = 25	Video	229.250	-61.76
5	KKK = 73	Video	517.250	-52.40
6	NNN = 76	Video	535.250	-20.44
7	PPP = 78	Video	547.250	-5.75
8	QQQ = 79	Video	553.250	-3.38

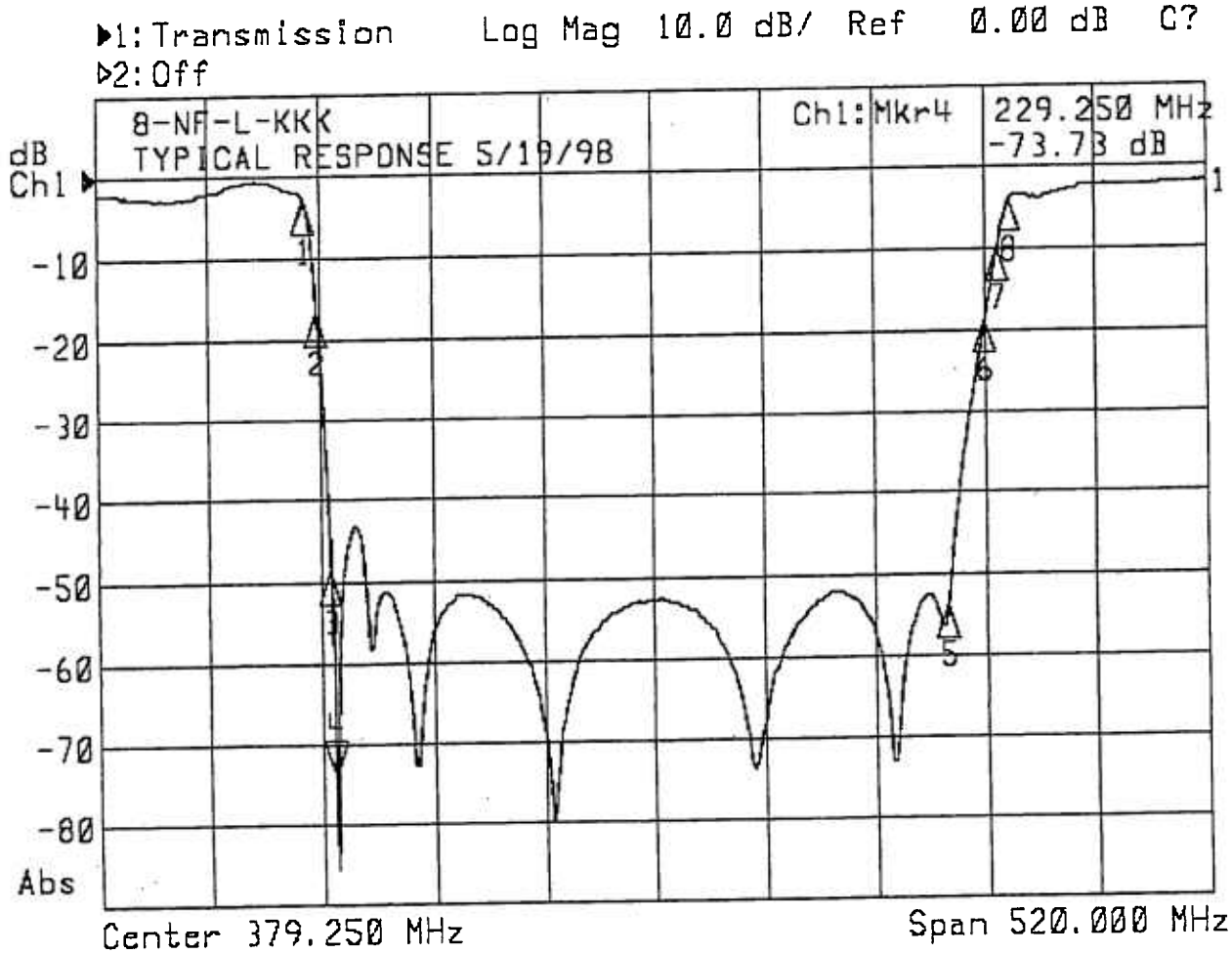
Channel 2 Markers				
Mk #	Channel #		Frequency	Loss
1				
2				
3				
4				
5				
6				
7				
8				

Eagle Comtronics, Inc Confidential Production Variances May Occur

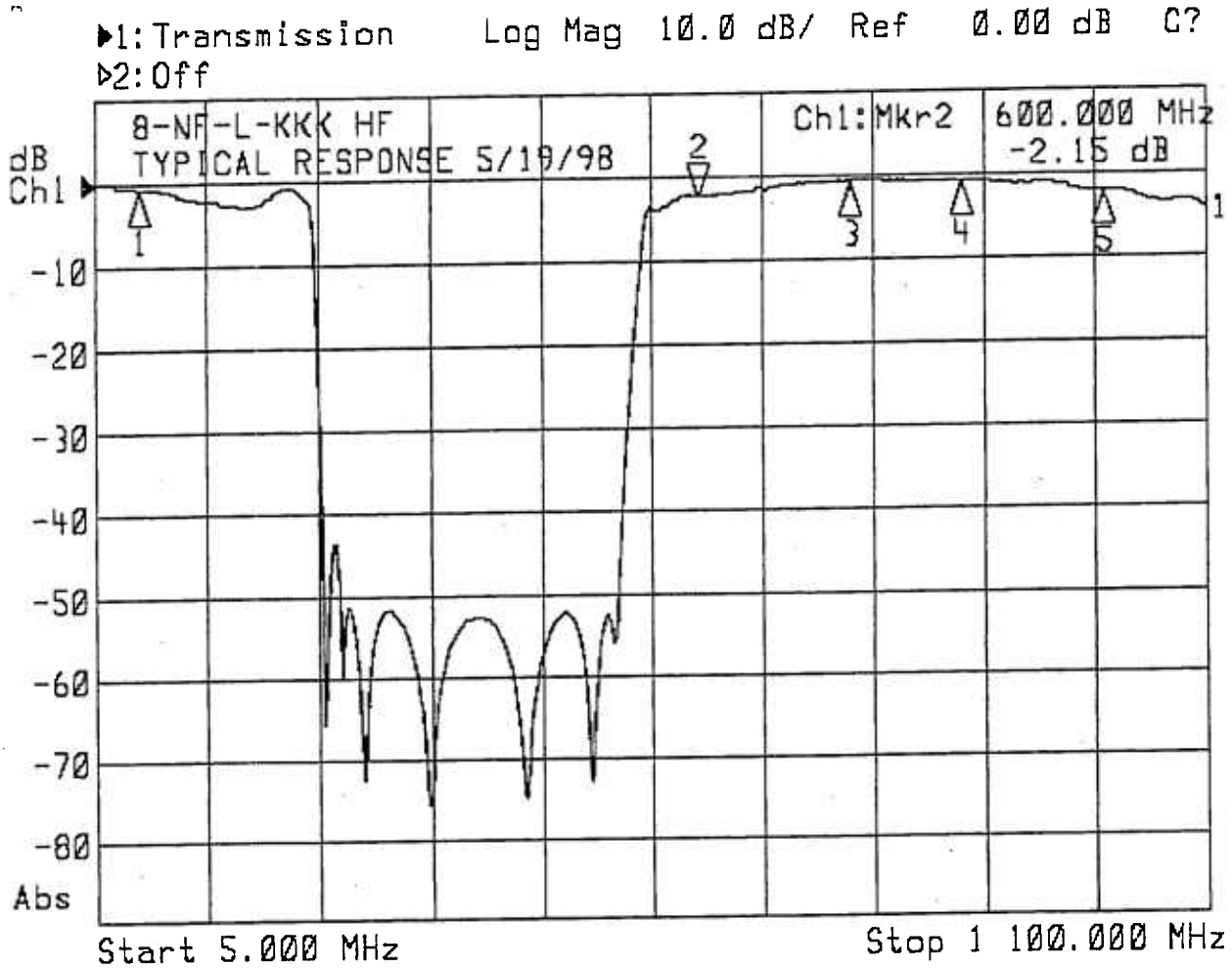
Customer Approval _____ Date _____

Plots Available for 8-NF-L-KKK

Confidential



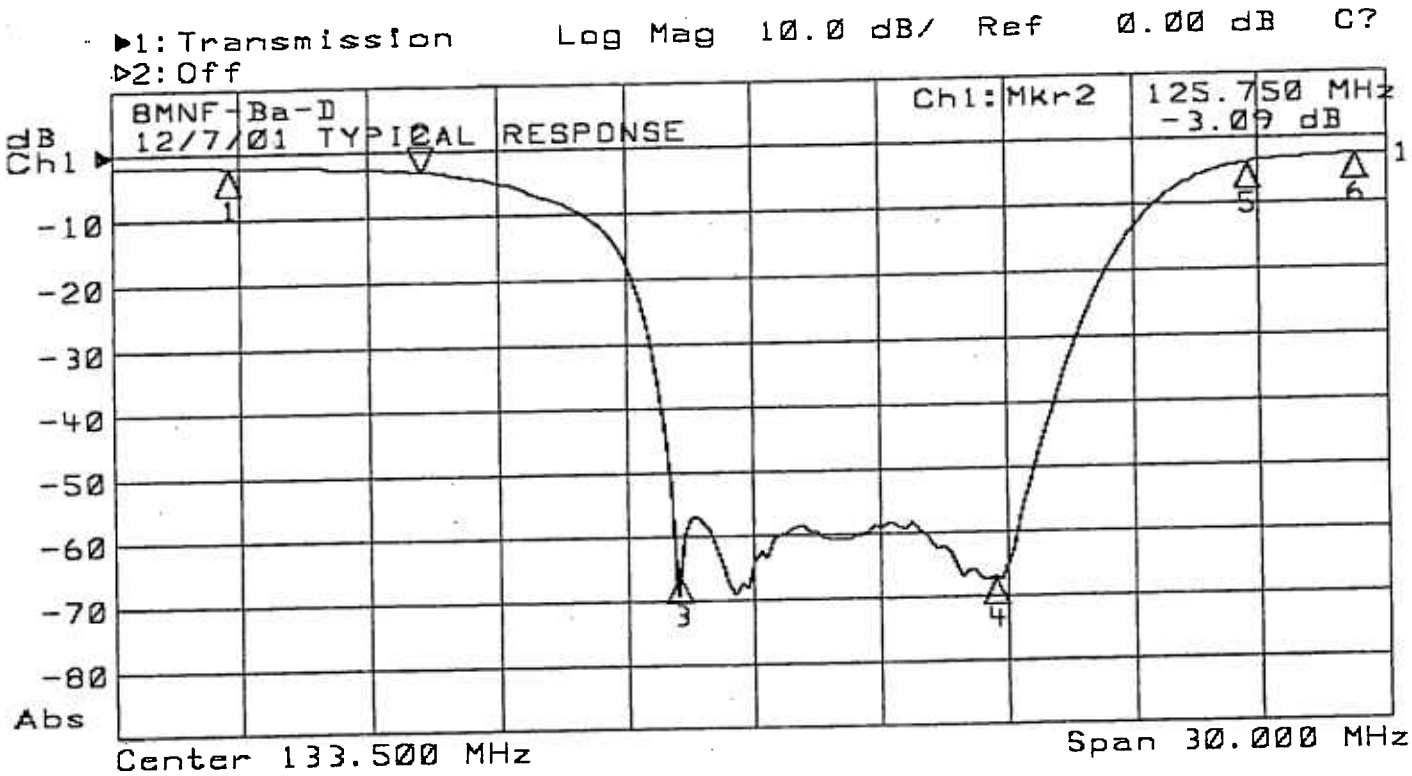
1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1: 215.75	-2.87		
2: 221.75	-16.46		
3: 227.75	-48.72		
4> 229.25	-73.73		
5: 517.25	-53.86		
6: 535.25	-18.48		
7: 541.25	-9.64		
8: 547.25	-3.83		



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1: 50.00	-0.58		
2> 600.00	-2.15		
3: 750.00	-0.49		
4: 860.00	-0.60		
5: 1000.00	-1.89		

EAGLE COMTRONICS INC.

Model: 8MNF-Ba-D



Channel 1 Markers				
Mk #	Channel #		Frequency	Loss
1	A = 14	Video	121.250	-2.05
2	A = 14	Audio	125.750	-3.09
3	B = 15	Audio	131.750	-66.33
4	D = 17	Video	139.250	-67.14
5	E = 18	Video	145.250	-3.61
6			147.750	-2.59

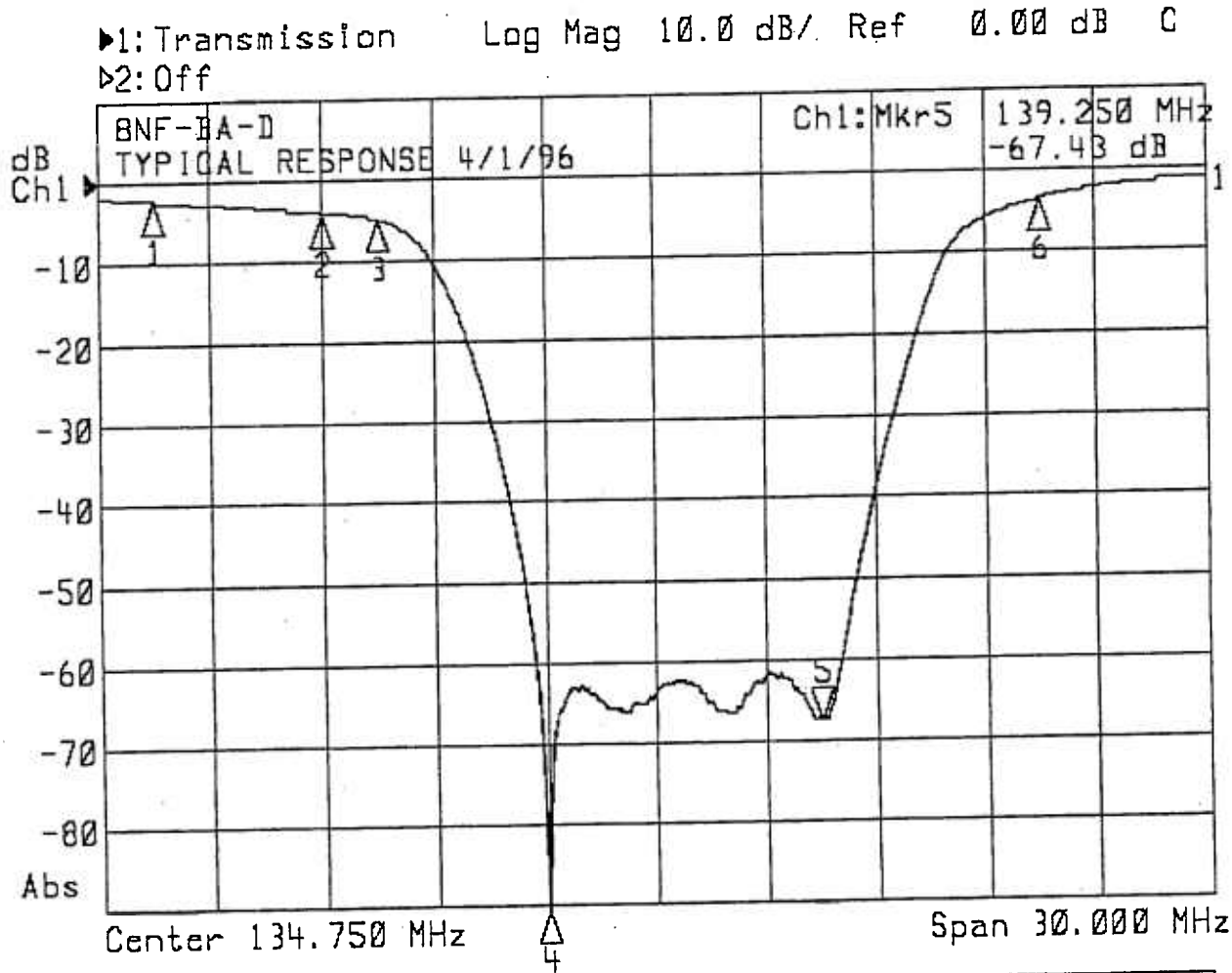
Channel 2 Markers				
Mk #	Channel #		Frequency	Loss
1				
2				
3				
4				
5				
6				

Eagle Comtronics, Inc Confidential Production Variances May Occur

Customer Approval _____ Date _____

Plots Available for 8-NF-Ba-D

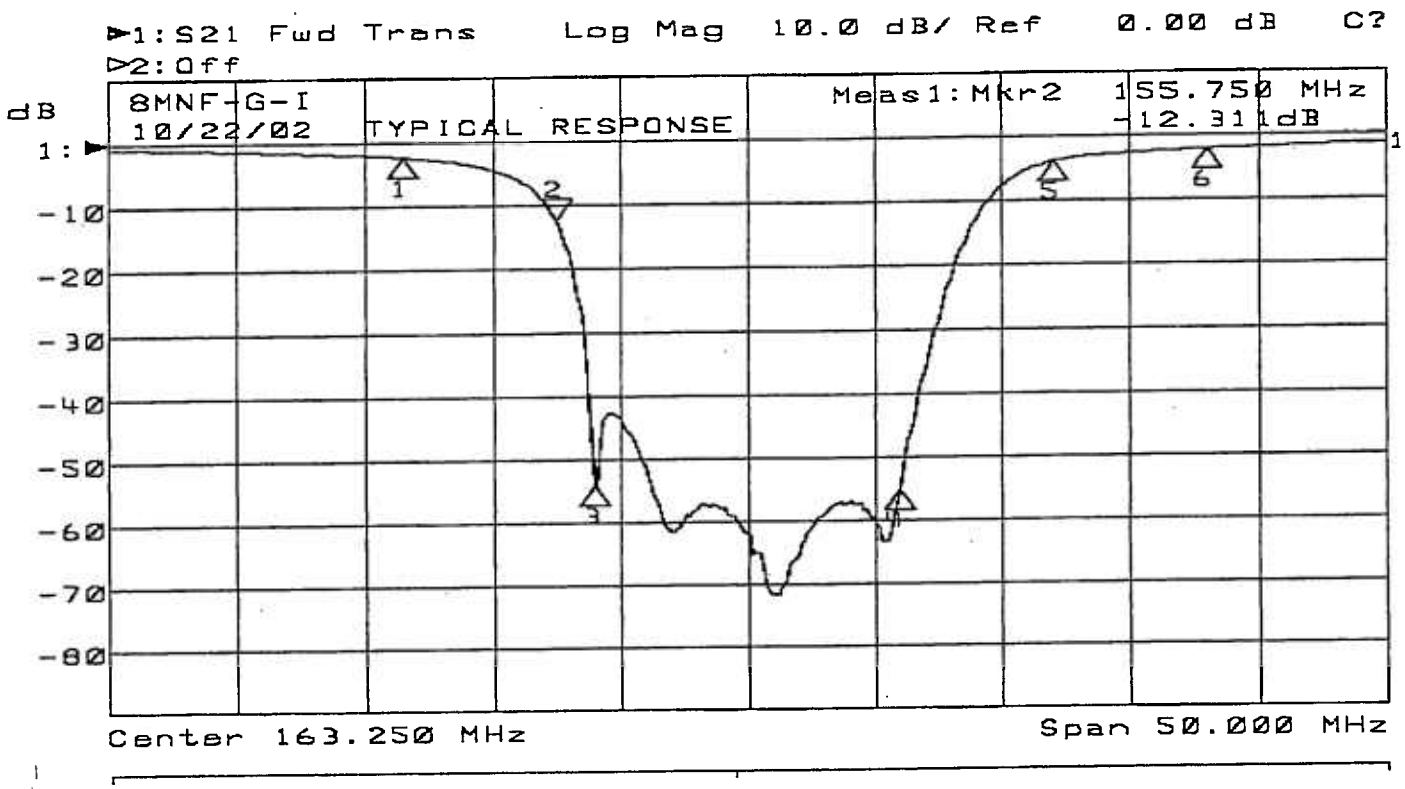
Confidential



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1: 121.25	-2.33		
2: 125.75	-3.91		
3: 127.25	-4.78		
4: 131.75	-93.93		
5> 139.25	-67.43		
6: 145.25	-3.44		

EAGLE COMTRONICS INC.

Model: 8MNF-G-I



Channel 1 Markers				
Mk #	Channel #		Frequency	Loss
1	E = 18	Audio	149.750	-2.37
2	F = 19	Audio	155.750	-12.31
3	G = 20	Video	157.250	-54.03
4	I = 22	Video	169.250	-55.06
5	7 = 7	Video	175.250	-3.85
6	8 = 8	Video	181.250	-2.09

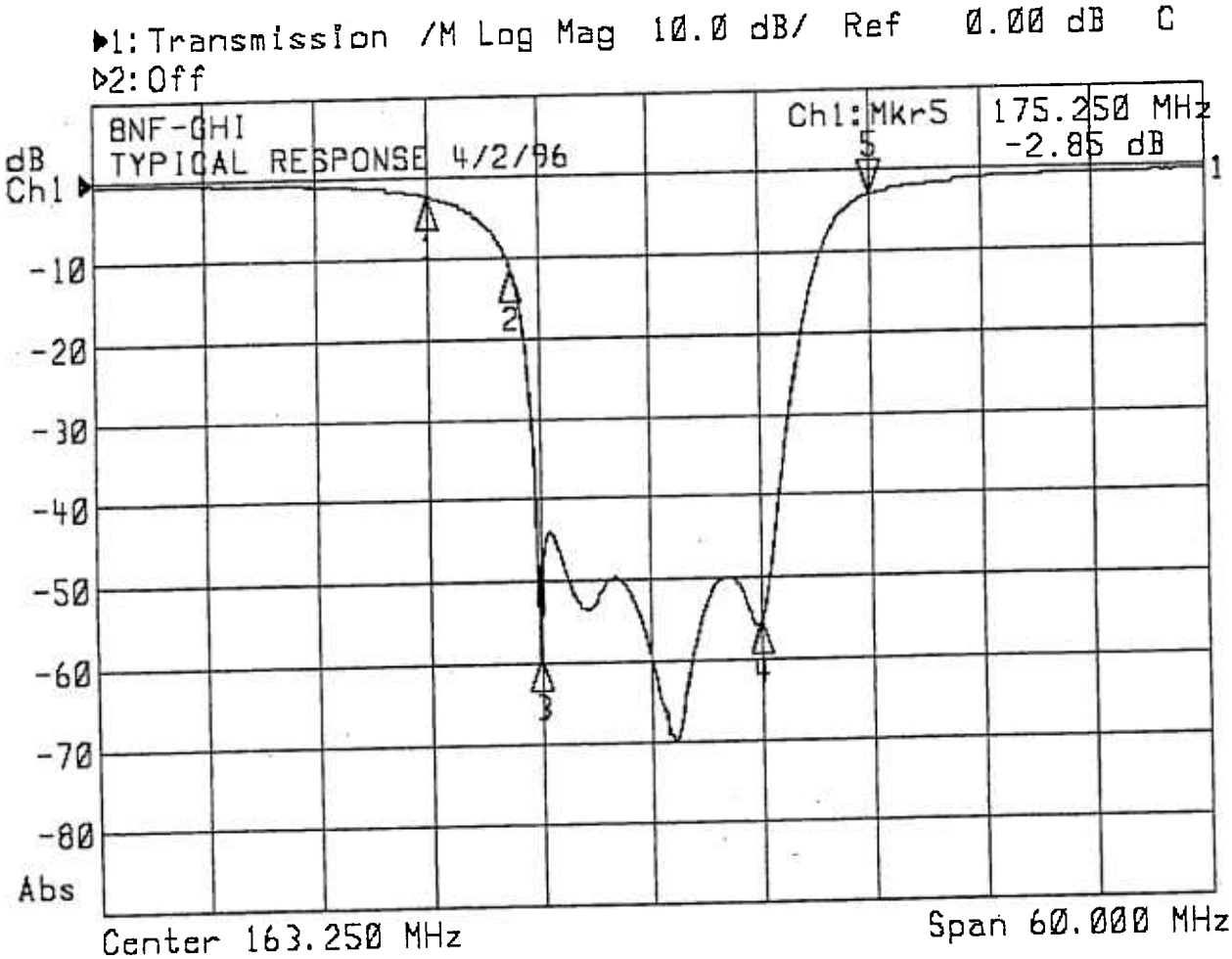
Channel 2 Markers				
Mk #	Channel #		Frequency	Loss
1				
2				
3				
4				
5				
6				

Eagle Comtronics, Inc Confidential Production Variances May Occur

Customer Approval _____ Date _____

Plots Available for 8-NF-G,H,I

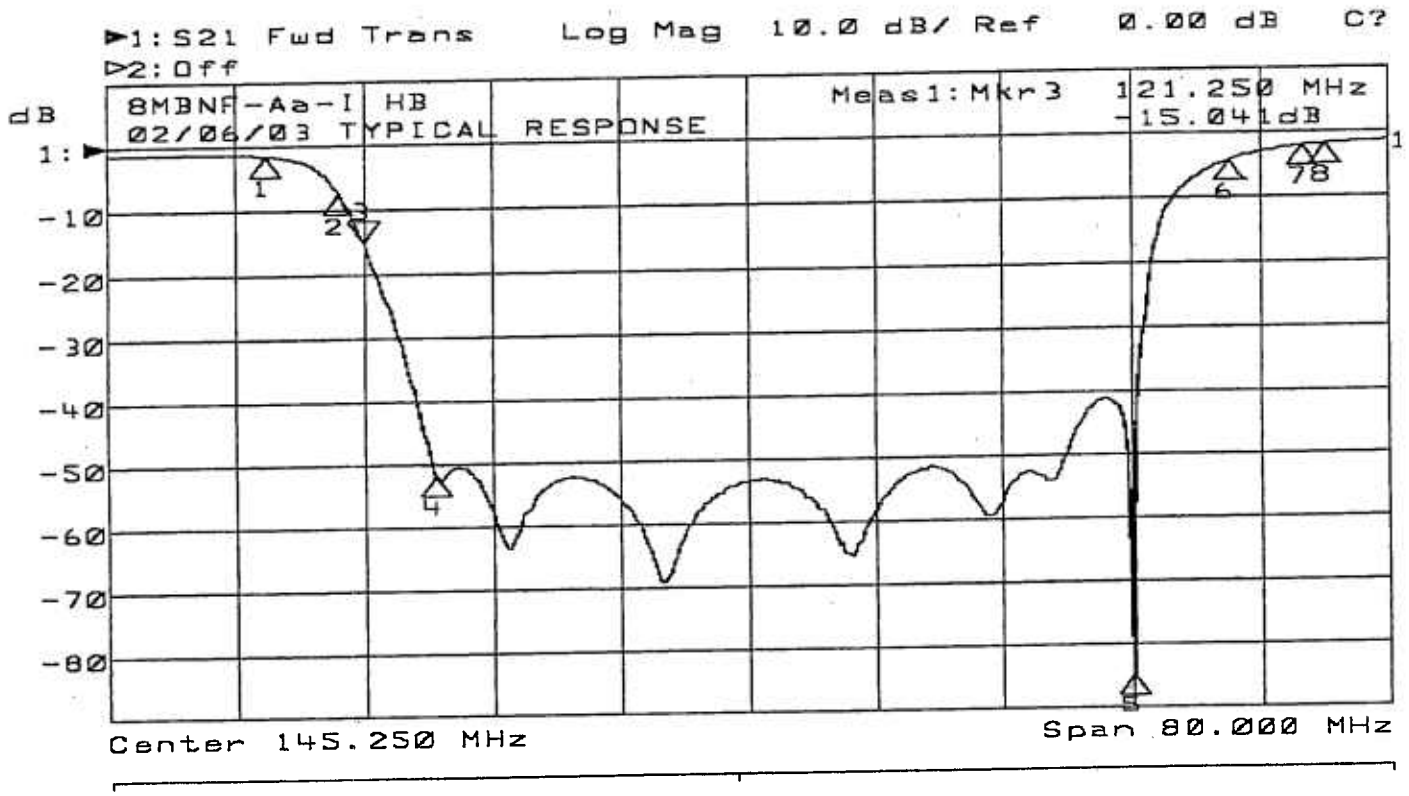
Confidential



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1: 151.25	-2.18		
2: 155.75	-11.11		
3: 157.25	-59.37		
4: 169.25	-55.32		
5> 175.25	-2.85		

EAGLE COMTRONICS INC.

Model: 8MBNF-Aa-I



Channel 1 Markers				
Mk #	Channel #		Frequency	Loss
1	A-1 = 99	Video	115.250	-1.53
2	A-1 = 99	Audio	119.750	-7.57
3	A = 14	Video	121.250	-15.04
4	A = 14	Audio	125.750	-51.66
5	I = 22	Video	169.250	-84.80
6	7 = 7	Video	175.250	-4.37
7	7 = 7	Audio	179.750	-2.12
8	8 = 8	Video	181.250	-1.83

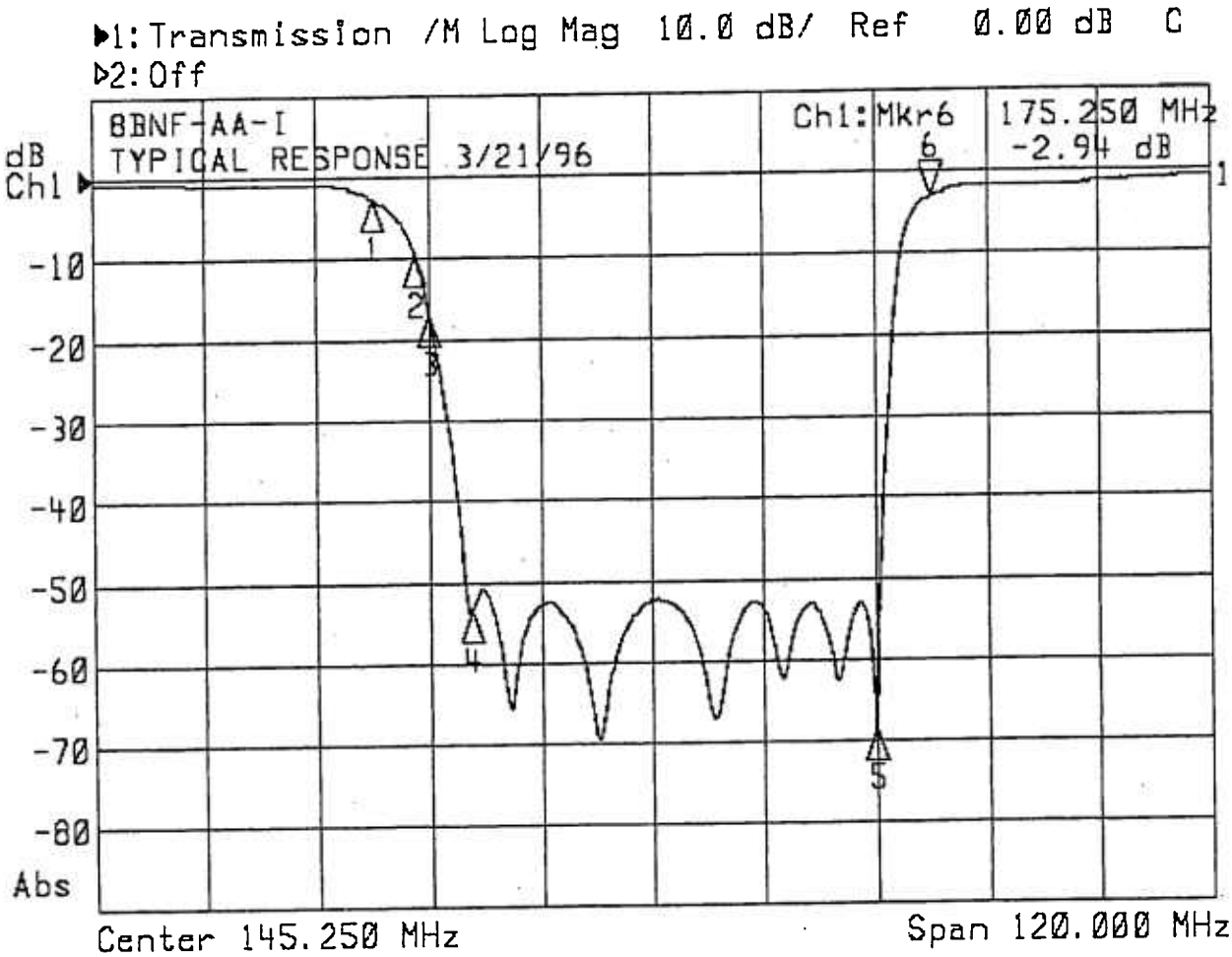
Channel 2 Markers				
Mk #	Channel #		Frequency	Loss
1				
2				
3				
4				
5				
6				
7				
8				

Eagle Comtronics, Inc Confidential Production Variances May Occur

Customer Approval _____ Date _____

Plots Available for 8-BNF-Aa-I

Confidential



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1: 115.25	-2.62		
2: 119.75	-9.48		
3: 121.25	-16.55		
4: 125.75	-53.48		
5: 169.25	-68.38		
6> 175.25	-2.94		

TIME WARNER CABLE -- SYRACUSE DIVISION

FCC Proof - of - Performance Tests

Headend Tests

System Name: Rome/Oneida

HE Location: 1117 Erie Blvd. West, Rome, NY 13440

TIME WARNER CABLE -- SYRACUSE DIVISION

Visual Carrier and Aural Carrier Difference Frequency Tests (at Headend)

System Name: Rome/Oneida

HE Location: 1117 Erie Blvd west, Rome ***Date:*** January 2, 2003

Performed by: Joel Marmon

Chan	Freq	Visual Freq (MHz)		Aural Freq Diff (MHz)		Chan	Freq	Visual Freq (MHz)		Aural Freq Diff (MHz)	
2	55.2500	55.2499		4.5008		DD(40)	319.2625	319.2631		4.5001	
3	61.2500	61.2625		4.4997		EE(41)	325.2625	325.2626		4.4996	
4	67.2500	67.2464		4.5000		FF(42)	331.2750	331.2750		4.5000	
5	77.2500	77.2499		4.5000		GG(43)	337.2625	337.2627		4.4999	
6	83.2500	83.2519		4.5000		HH(44)	343.2625	343.2622		4.4999	
A-5(95)	91.2500	91.2624		4.5000		II(45)	349.2625	349.2629		4.4998	
A-4(96)	97.2500	97.2500		4.5000		JJ(46)	355.2625	355.2623		4.5000	
A-3(97)	103.2500					KK(47)	361.2625	361.2627		4.5001	
A-2(98)	109.2750					LL(48)	367.2625	367.2621		4.4999	
A-1(99)	115.2750	115.2748		4.4996		MM(49)	373.2625	373.2626		4.5000	
A(14)	121.2625	121.2601		4.5002		NN(50)	379.2625	379.2629		4.4997	
B(15)	127.2625	127.2623		4.5001		OO(51)	385.2625	385.2622		4.5001	
C(16)	133.2625	133.2619		4.4999		PP(52)	391.2625	391.2626		4.4998	
D(17)	139.2500	139.2265		4.4999		QQ(53)	397.2625	397.2615		4.4999	
E(18)	145.2500	145.2623		4.4999		RR(54)	403.2500	403.2502		4.4999	
F(19)	151.3210	151.3178		4.5001		SS(55)	409.2500	409.2622		4.4997	
G(20)	157.2500	157.2453		4.4997		TT(56)	415.2500	415.2506		4.4998	
H(21)	163.2500	163.2465		4.5000		UU(57)	421.2500	421.2626		4.5000	
I(22)	169.2500	169.2478		4.5006		VV(58)	427.2500	427.2501		4.5000	
7	175.2500	175.2624		4.5000		WW(59)	433.2500	433.2628		4.5000	
8	181.2500	181.2627		4.5000		XX(60)	439.2500	439.2619		4.5000	
9	187.2500	187.2402		4.4999		YY(61)	445.2500	445.2501		4.5000	
10	193.2500	193.2627		4.5000		ZZ(62)	451.2500	451.2622		4.5002	
11	199.2500	199.2554		4.4999		63	457.2500	457.2493		4.5000	
12	205.2500	205.2523		4.5000		64	463.2500	463.2622		4.5000	
13	211.2500	211.2628		4.5000		65	469.2500	469.2625		4.5001	
J(23)	217.2500	217.2530		4.5003		66	475.2500	475.2623		4.5000	
K(24)	223.2500	223.2496		4.4996		67	481.2500	481.2625		4.5000	
L(25)	229.2625	229.2630		4.5001		68	487.2500	487.2624		4.4999	
M(26)	235.2625	235.2625		4.4997		69	493.2500	493.2622		4.5000	
N(27)	241.2625	241.2612		4.4999		70	499.2500	499.2619		4.4998	
O(28)	247.2625	247.2618		4.5006		71	505.2500	505.2620		4.5002	
P(29)	253.2625	253.2627		4.4999		72	511.2500	511.2505		4.5001	
Q(30)	259.2625	259.2619		4.4999		73	517.2500	517.2622		4.5000	
R(31)	265.2625	265.2626		4.4997		74	523.2500	523.2622		4.5002	
S(32)	271.2625	271.2597		4.4999		75	529.2500	529.2623		4.4999	
T(33)	277.2625	277.2609		4.4999		76	535.2500	535.2626		4.5004	
U(34)	283.2625	283.2628		4.5000		77	541.2500	541.2625		4.5000	
V(35)	289.2625	289.2629		4.4990		78	547.2500	547.2631		4.5001	
W(36)	295.2625	295.2624		4.4995		79	553.0000				
AA(37)	301.2625	301.2632		4.5001		80	559.0000				
BB(38)	307.2625	307.2632		4.4999		81	565.0000				
CC(39)	313.2625	313.2615		4.4998							

TIME WARNER CABLE -- SYRACUSE DIVISION

Visual Carrier and Aural Carrier Difference Frequency Tests (at Headend)

System Name: Rome/Oneida

HE Location: Oneida Hub ***Date:*** January 2, 2003

Performed by: Joel Marmon

Chan	Freq	Visual Freq (MHz)		Aural Freq Diff (MHz)		Chan	Freq	Visual Freq (MHz)		Aural Freq Diff (MHz)	
2	55.2500					DD(40)	319.2625				
3	61.2500					EE(41)	325.2625				
4	67.2500					FF(42)	331.2750				
5	77.2500					GG(43)	337.2625				
6	83.2500					HH(44)	343.2625				
A-5(95)	91.2500					II(45)	349.2625				
A-4(96)	97.2500					JJ(46)	355.2625				
A-3(97)	103.2500					KK(47)	361.2625				
A-2(98)	109.2750					LL(48)	367.2625	367.26273		4.50074	
A-1(99)	115.2750	115.2728		4.5000		MM(49)	373.2625				
A(14)	121.2625					NN(50)	379.2625				
B(15)	127.2625	127.2624		4.4999		OO(51)	385.2625				
C(16)	133.2625					PP(52)	391.2625				
D(17)	139.2500					QQ(53)	397.2625				
E(18)	145.2500					RR(54)	403.2500				
F(19)	151.3210					SS(55)	409.2500				
G(20)	157.2500					TT(56)	415.2500				
H(21)	163.2500	163.2626		4.5001		UU(57)	421.2500				
I(22)	169.2500					VV(58)	427.2500				
7	175.2500					WW(59)	433.2500				
8	181.2500					XX(60)	439.2500				
9	187.2500					YY(61)	445.2500	445.26241		4.50017	
10	193.2500					ZZ(62)	451.2500				
11	199.2500					63	457.2500				
12	205.2500					64	463.2500				
13	211.2500					65	469.2500				
J(23)	217.2500					66	475.2500				
K(24)	223.2500	223.2626		4.5001		67	481.2500				
L(25)	229.2625					68	487.2500				
M(26)	235.2625	235.2626		4.5000		69	493.2500				
N(27)	241.2625	241.2630		4.5000		70	499.2500				
O(28)	247.2625	247.2627		4.5003		71	505.2500				
P(29)	253.3000					72	511.2500				
Q(30)	259.2625	259.2625		4.4992		73	517.2500				
R(31)	265.2625					74	523.2500				
S(32)	271.2625	271.2629		4.4999		75	529.2500				
T(33)	277.2625	277.2632		4.5002		76	535.2500				
U(34)	283.2625					77	541.2500				
V(35)	289.2625	289.2625		4.5000		78	547.2500				
W(36)	295.2625					79	553.2500				
AA(37)	301.2625					80	559.2500				
BB(38)	307.2625					81	565.2500				
CC(39)	313.2625										

TIME WARNER CABLE -- SYRACUSE DIVISION

Visual Carrier and Aural Carrier Difference Frequency Tests (at Headend)

System Name: **Rome/Oneida**

HE Location: Camden hub ***Date:*** January 2, 2003

Performed by: Joel Marmon

Chan	Freq	Visual Freq (MHz)		Aural Freq Diff (MHz)		Chan	Freq	Visual Freq (MHz)		Aural Freq Diff (MHz)	
2	55.2500					DD(40)	319.2625				
3	61.2500					EE(41)	325.2625				
4	67.2500					FF(42)	331.2750				
5	77.2500					GG(43)	337.2625				
6	83.2500					HH(44)	343.2625				
A-5(95)	91.2500					II(45)	349.2625				
A-4(96)	97.2500					JJ(46)	355.2625				
A-3(97)	103.2500					KK(47)	361.2625				
A-2(98)	109.2750					LL(48)	367.2625				
A-1(99)	115.2750	115.2748		4.4999		MM(49)	373.2625				
A(14)	121.2625					NN(50)	379.2625				
B(15)	127.2625					OO(51)	385.2625				
C(16)	133.2625					PP(52)	391.2625				
D(17)	139.2500					QQ(53)	397.2625				
E(18)	145.2500					RR(54)	403.2500				
F(19)	151.3210					SS(55)	409.2500				
G(20)	157.2500					TT(56)	415.2500				
H(21)	163.2500					UU(57)	421.2500				
I(22)	169.2500					VV(58)	427.2500				
7	175.2500					WW(59)	433.2500				
8	181.2500					XX(60)	439.2500				
9	187.2500					YY(61)	445.2500				
10	193.2500					ZZ(62)	451.2500				
11	199.2500					63	457.2500				
12	205.2500					64	463.2500				
13	211.2500					65	469.2500				
J(23)	217.2500					66	475.2500				
K(24)	223.2500					67	481.2500				
L(25)	229.2625					68	487.2500				
M(26)	235.2625					69	493.2500				
N(27)	241.2625					70	499.2500				
O(28)	247.2625					71	505.2500				
P(29)	253.3000					72	511.2500				
Q(30)	259.2625					73	517.2500				
R(31)	265.2625					74	523.2500				
S(32)	271.2625					75	529.2500				
T(33)	277.2625					76	535.2500				
U(34)	283.2625					77	541.2500				
V(35)	289.2625					78	547.2500				
W(36)	295.2625					79	553.2500				
AA(37)	301.2625					80	559.2500				
BB(38)	307.2625					81	565.2500				
CC(39)	313.2625										

TIME WARNER CABLE -- SYRACUSE DIVISION

Visual Carrier and Aural Carrier Difference Frequency Tests (at Headend)

System Name: Rome/Oneida

HE Location: Boonville Hub ***Date:*** January 12, 2003

Performed by: Joel Marmon

Chan	Freq	Visual Freq (MHz)		Aural Freq Diff (MHz)		Chan	Freq	Visual Freq (MHz)		Aural Freq Diff (MHz)	
2	55.25					DD(40)	319.26				
3	61.25	61.2512		4.4998		EE(41)	325.26				
4	67.25					FF(42)	331.28				
5	77.25					GG(43)	337.26				
6	83.25					HH(44)	343.26				
A-5(95)	91.25					II(45)	349.26				
A-4(96)	97.25					JJ(46)	355.26				
A-3(97)	103.25					KK(47)	361.26				
A-2(98)	109.275					LL(48)	367.26				
A-1(99)	115.275	115.2736		4.49998		MM(49)	373.26				
A(14)	121.2625					NN(50)	379.26				
B(15)	127.2625					OO(51)	385.26				
C(16)	133.2625					PP(52)	391.26				
D(17)	139.25					QQ(53)	397.26				
E(18)	145.25					RR(54)	403.25				
F(19)	151.321					SS(55)	409.25				
G(20)	157.25					TT(56)	415.25				
H(21)	163.25					UU(57)	421.25				
I(22)	169.25					VV(58)	427.25				
7	175.25					WW(59)	433.25				
8	181.25	181.2526		4.4996		XX(60)	439.25				
9	187.25					YY(61)	445.25				
10	193.25					ZZ(62)	451.25				
11	199.25					63	457.25				
12	205.25					64	463.25				
13	211.25					65	469.25				
J(23)	217.25					66	475.25				
K(24)	223.25					67	481.25				
L(25)	229.2625					68	487.25				
M(26)	235.2625					69	493.25				
N(27)	241.2625					70	499.25				
O(28)	247.2625					71	505.25				
P(29)	253.3					72	511.25				
Q(30)	259.2625					73	517.25				
R(31)	265.2625					74	523.25				
S(32)	271.2625					75	529.25				
T(33)	277.2625					76	535.25				
U(34)	283.2625					77	541.25				
V(35)	289.2625					78	547.25				
W(36)	295.2625					79	553				
AA(37)	301.2625					80	559				
BB(38)	307.2625					81	565				
CC(39)	313.2625										

TIME WARNER CABLE -- SYRACUSE DIVISION

Visual Carrier and Aural Carrier Difference Frequency Tests (at Headend)

System Name: **Rome/Oneida**
HE Location: Hamilton Hub ***Date:*** January 9,2003
Performed by: Mark D'Aoust

Chan	Freq	Visual Freq (Mhz)		Aural Freq Diff (Mhz)		Chan	Freq	Visual Freq (Mhz)		Aural Freq Diff (Mhz)	
2	55.25					DD(40)	319.26				
3	61.25					EE(41)	325.26				
4	67.25					FF(42)	331.28				
5	77.25					GG(43)	337.26				
6	83.25					HH(44)	343.26				
A-5(95)	91.25					II(45)	349.26				
A-4(96)	97.25					JJ(46)	355.26				
A-3(97)	103.25					KK(47)	361.26				
A-2(98)	109.275					LL(48)	367.26				
A-1(99)	115.275					MM(49)	373.26				
A(14)	121.2625					NN(50)	379.26				
B(15)	127.2625					OO(51)	385.26				
C(16)	133.2625					PP(52)	391.26				
D(17)	139.25					QQ(53)	397.26				
E(18)	145.25					RR(54)	403.25				
F(19)	151.321					SS(55)	409.25				
G(20)	157.25					TT(56)	415.25				
H(21)	163.25					UU(57)	421.25				
I(22)	169.25					VV(58)	427.25				
7	175.25					WW(59)	433.25				
8	181.25					XX(60)	439.25				
9	187.25					YY(61)	445.25				
10	193.25	193.2426		4.5006		ZZ(62)	451.25				
11	199.25	199.2458		4.49999		63	457.25				
12	205.25					64	463.25				
13	211.25					65	469.25				
J(23)	217.25					66	475.25				
K(24)	223.25					67	481.25				
L(25)	229.2625					68	487.25				
M(26)	235.2625					69	493.25				
N(27)	241.2625					70	499.25				
O(28)	247.2625					71	505.25				
P(29)	253.3					72	511.25				
Q(30)	259.2625					73	517.25				
R(31)	265.2625					74	523.25				
S(32)	271.2625					75	529.25				
T(33)	277.2625					76	535.25				
U(34)	283.2625					77	541.25				
V(35)	289.2625					78	547.25				
W(36)	295.2625					79	553				
AA(37)	301.2625					80	559				
BB(38)	307.2625					81	565				
CC(39)	313.2625										

TIME WARNER CABLE -- SYRACUSE DIVISION

Visual / Aural Level Difference Test
(at Headend)

System Name: **Rome / Oneida**

HE Location: Erie Blvd, Rome

Date : January 6, 2003 ***Performed by:*** Joel Marmon

Time : 11:26 ***Meter / Serial Number :*** US37241488

Chan	Freq (MHz)	Visual Level (dbmv)		Aural Level (dbmv)	SC/S	Diff (Dbmv)		Chan	Freq (MHz)	Visual Level (dbmv)		Aural Level (dbmv)	SC/S	Diff (Dbmv)	
2	55.2500	11.4		-2.5		13.9		DD(40)	319.2625	11.0		-3.0		14	
3	61.2500	11.4		-2.4		13.8		EE(41)	325.2625	11.1		-2.5		13.6	
4	67.2500	11.7		-2.0		13.7		FF(42)	331.2750	10.9		-2.5		13.4	
5	77.2500	11.6		-0.8		12.4		GG(43)	337.2625	11.7		-0.7	s	12.4	
6	83.2500	11.3		-1.8		13.1		HH(44)	343.2625	11.0		-3.0		14	
A-5(95)	91.2500	11.6		-3.0	s	14.6		II(45)	349.2625	11.4		-1.2	s	12.6	
A-4(96)	97.2500	10.7		-3.7		14.4		JJ(46)	355.2625	10.7		-3.1		13.8	
A-3(97)	103.2500	N/A		N/A		N/A		KK(47)	361.2625	10.5		-3.0		13.5	
A-2(98)	109.2750	N/A		N/A		N/A		LL(48)	367.2625	10.9		-2.4		13.3	
A-1(99)	115.2750	11.5		-2.6		14.1		MM(49)	373.2625	11.0		-3.0		14	
A(14)	121.2625	11.1		-0.8		11.9		NN(50)	379.2625	10.8		-2.5		13.3	
B(15)	127.2625	11.3		-1.7		13		OO(51)	385.2625	11.6		-1.7	s	13.3	
C(16)	133.2625	11.2		-2.1		13.3		PP(52)	391.2625	11.6		-1.7	s	13.3	
D(17)	139.2500	10.9		-3.2	s	14.1		QQ(53)	397.2625	11.7		-1.8	s	13.5	
E(18)	145.2500	11.5		-2.3		13.8		RR(54)	403.2500	11.2		-1.7	s	12.9	
F(19)	151.2500	10.6		-4.2		14.8		SS(55)	409.2500	11.5		-2.0	s	13.5	
G(20)	157.2500	11.2		-3.7		14.9		TT(56)	415.2500	11.5		1.0		10.5	
H(21)	163.2500	11.4		-1.5		12.9		UU(57)	421.2500	11.6		-0.5		12.1	
I(22)	169.2500	11.4		-2.6		14		VV(58)	427.2500	11.3		-3.2		14.5	
7	175.2500	11.4		-2.0		13.4		WW(59)	433.2500	11.0		-3.3	s	14.3	
8	181.2500	11.4		-2.6		14		XX(60)	439.2500	11.1		-4.7	s	15.8	
9	187.2500	11.1		-3.0		14.1		YY(61)	445.2500	11.3		-5.0	s	16.3	
10	193.2500	11.2		-3.0		14.2		ZZ(62)	451.2500	11.1		-2.0	s	13.1	
11	199.2500	10.6		-3.4		14		63	457.2500	11.1		-3.7	s	14.8	
12	205.2500	10.8		-1.1		11.9		64	463.2500	11.5		-3.6	s	15.1	
13	211.2500	11.2		-2.8		14		65	469.2500	11.1		-3.6	s	14.7	
J(23)	217.2500	11.2		-3.9	s	15.1		66	475.2500	11.2		-3.6	s	14.8	
K(24)	223.2500	11.6		-3.0		14.6		67	481.2500	11.0		-3.2	s	14.2	
L(25)	229.2625	11.3		-4.6	s	15.9		68	487.2500	11.0		-2.9	s	13.9	
M(26)	235.2625	11.2		-1.7		12.9		69	493.2500	11.4		-3.1	s	14.5	
N(27)	241.2625	11.4		-2.3		13.7		70	499.2500	11.2		-1.5	s	12.7	
O(28)	247.2625	11.1		-3.2		14.3		71	505.2500	11.2		-2.8	s	14	
P(29)	253.3000	10.8		-2.9		13.7		72	511.2500	11.1		-3.7	s	14.8	
Q(30)	259.2625	11.1		-2.7		13.8		73	517.2500	11.4		-1.5	s	12.9	
R(31)	265.2625	11.2		-2.2		13.4		74	523.2500	11.2		-2.8	s	14	
S(32)	271.2625	11.0		-1.0		12		75	529.2500	11.4		-3.2	s	14.6	
T(33)	277.2625	11.5		-2.0		13.5		76	535.2500	11.8		-1.6	s	13.4	
U(34)	283.2625	11.0		-3.1		14.1		77	541.2500	11.1		-2.7	s	13.8	
V(35)	289.2625	10.9		-2.7		13.6		78	547.2500	11.6		-2.5	s	14.1	
W(36)	295.2625	11.2		-1.9		13.1		79	553.2500	N/A		N/A		N/A	
AA(37)	301.2625	10.8		-3.4		14.2		80	559.2500	N/A		N/A		N/A	
BB(38)	307.2625	11.0		-3.2		14.2		81	565.2500	N/A		N/A		N/A	
CC(39)	313.2625	11.1		-2.4		13.5									

Min Channel:- KK(47) 10.50

Max Channel :- 76 11.80

PEAK TO VALLEY: 1.3

TIME WARNER CABLE -- SYRACUSE DIVISION

System Name:	**Rome/Oneida**
System Test Point #	1
Hub Name:	Dixon Road
Location / Community:	Marsden Drive, Bernards Bay
Map Number:	392-5708
Pole Number:	NM 3
D.T. Value:	20/4
OR Number:	341
GNA Cascade:	7
LE Cascade:	0

TIME WARNER CABLE -- SYRACUSE DIVISION

Visual Carrier Level
Visual / Aural Level Difference
(at Test Point, at The End of a 100' Drop)

System Name: Rome / Oneida
Test Location: Marsden Drive, Bernards Bay
Date : January 2, 2003
Time : 13:00

Chan	Freq (MHz)	Visual Level (dbmV)		Aural Level (dbmV)	SC S	Diff (DbmV)		Chan	Freq (MHz)	Visual Level (dbmV)		Aural Level (dbmV)	SC S	Diff (DbmV)	
2	55.2500	11.2		-2.6		13.8		DD(40)	319.2625	10.7		-3.6		14.3	
3	61.2500	11.7		-1.7		13.4		EE(41)	325.2625	10.1		-3.0		13.1	
4	67.2500	11.7		-1.9		13.6		FF(42)	331.2750	10.0		-3.5		13.5	
5	77.2500	12.3		-1.1		13.4		GG(43)	337.2625	10.0		-4.7	S	14.7	
6	83.2500	11.7		-1.5		13.2		HH(44)	343.2625	10.6		-3.9		14.5	
A-5(95)	91.2500	11.7		-2.8	S	14.5		II(45)	349.2625	10.0		-2.3	S	12.3	
A-4(96)	97.2500	10.8		-3.7		14.5		JJ(46)	355.2625	9.7		-3.8		13.5	
A-3(97)	103.2500	N/A		N/A		N/A		KK(47)	361.2625	9.4		-3.8		13.2	
A-2(98)	109.2750	N/A		N/A		N/A		LL(48)	367.2625	9.9		-3.7		13.6	
A-1(99)	115.2750	10.3		-3.1		13.4		MM(49)	373.2625	9.3		-4.7		14.0	
A(14)	121.2625	10.2		-1.6		11.8		NN(50)	379.2625	9.5		-4.0		13.5	
B(15)	127.2625	10.4		-3.0		13.4		OO(51)	385.2625	9.1		-5.9	S	15.0	
C(16)	133.2625	10.6		-2.6		13.2		PP(52)	391.2625	9.4		-6.5	S	15.9	
D(17)	139.2500	10.2		-2.9	S	13.1		QQ(53)	397.2625	8.7		-7.2	S	15.9	
E(18)	145.2500	10.9		-3.0		13.9		RR(54)	403.2500	9.2		-5.5	S	14.7	
F(19)	151.3210	9.4		-5.0		14.4		SS(55)	409.2500	9.4		-5.9	S	15.3	
G(20)	157.2500	10.5		-4.5		15.0		TT(56)	415.2500	9.0		-4.8		13.8	
H(21)	163.2500	9.8		-3.9		13.7		UU(57)	421.2500	8.7		-7.8		16.5	
I(22)	169.2500	10.4		-3.5		13.9		VV(58)	427.2500	9.1		-5.2		14.3	
7	175.2500	10.9		-2.8		13.7		WW(59)	433.2500	8.7		-5.6	S	14.3	
8	181.2500	10.4		-3.6		14.0		XX(60)	439.2500	8.7		-7.1	S	15.8	
9	187.2500	10.7		-3.1		13.8		YY(61)	445.2500	9.0		-3.2	S	12.2	
10	193.2500	10.4		-3.6		14.0		ZZ(62)	451.2500	9.0		-6.5	S	15.5	
11	199.2500	10.7		-3.6		14.3		63	457.2500	9.2		-5.6	S	14.8	
12	205.2500	9.9		-2.4		12.3		64	463.2500	9.1		-5.6	S	14.7	
13	211.2500	9.6		-4.0		13.6		65	469.2500	9.3		-5.3	S	14.6	
J(23)	217.2500	8.7		-3.5	S	12.2		66	475.2500	9.3		-5.6	S	14.9	
K(24)	223.2500	9.4		-4.3		13.7		67	481.2500	9.0		-6.9	S	15.9	
L(25)	229.2625	9.4		-6.1	S	15.5		68	487.2500	9.1		-3.4	S	12.5	
M(26)	235.2625	9.3		-4.2		13.5		69	493.2500	9.9		-4.4	S	14.3	
N(27)	241.2625	9.1		-4.2		13.3		70	499.2500	9.7		-3.1	S	12.8	
O(28)	247.2625	10.3		-3.0		13.3		71	505.2500	9.4		-4.3	S	13.7	
P(29)	253.2625	10.1		-3.7		13.8		72	511.2500	9.7		-6.9	S	16.6	
Q(30)	259.2625	10.9		-2.7		13.6		73	517.2500	9.8		-5.1	S	14.9	
R(31)	265.2625	10.6		-2.7		13.3		74	523.2500	9.4		-4.5	S	13.9	
S(32)	271.2625	10.6		-2.7		13.3		75	529.2500	9.4		-5.4	S	14.8	
T(33)	277.2625	10.9		-2.4		13.3		76	535.2500	9.7		-2.9	S	12.6	
U(34)	283.2625	10.6		-3.5		14.1		77	541.2500	8.2		-5.5	S	13.7	
V(35)	289.2625	10.9		-2.4		13.3		78	547.2500	8.9		-4.7	S	13.6	
W(36)	295.2625	10.6		-2.2		12.8		79	553.2500	N/A		N/A		N/A	
AA(37)	301.2625	10.5		-3.9		14.4		80	559.2500	N/A		N/A		N/A	
BB(38)	307.2625	10.8		-3.6		14.4		81	565.2500	N/A		N/A		N/A	
CC(39)	313.2625	11.2		-2.7		13.9									

Min Channel :-	77	8.2
Max Channel :-	5	12.3

PEAK TO VALLEY: 4.10

Test Point # 1

TIME WARNER CABLE -- SYRACUSE DIVISION

IN CHANNEL RESPONSE Test
CARRIER - TO - NOISE Test
COHERENT DISTURBANCES Test
LOW FREQUENCY DISTURBANCES Test

System Name: **Rome / Oneida**

Date: January 2, 2003

Test Performed By: Joel Marmon

Location: Marsden Drive, Bernards Bay

Note: ***Make measurements through a 100 ft. test drop cable without converter.***

Channel Number	In Channel Response (+/- dB)	Carrier To Noise Ratio (dB)	Distortions (-dBc) CTB	CSO	HUM (%)
3	0.3	49.7	71.1	79.2	
19	0.1	48.9	66.8	75.9	
7	0.2	50.0	67.7	74.3	
31	0.3	49.1	66.4	71.1	
36	0.2	49.8	65.0	71.9	
43	0.2	48.9	65.2	72.6	
47	0.1	48.6	63.3	70.5	
55	0.2	48.2	61.6	68.1	
70	0.2	49.3	62.2	68.2	0.7

TIME WARNER CABLE -- SYRACUSE DIVISION

IN - CHANNEL FREQUENCY RESPONSE TEST

(76.605) (a) (6)

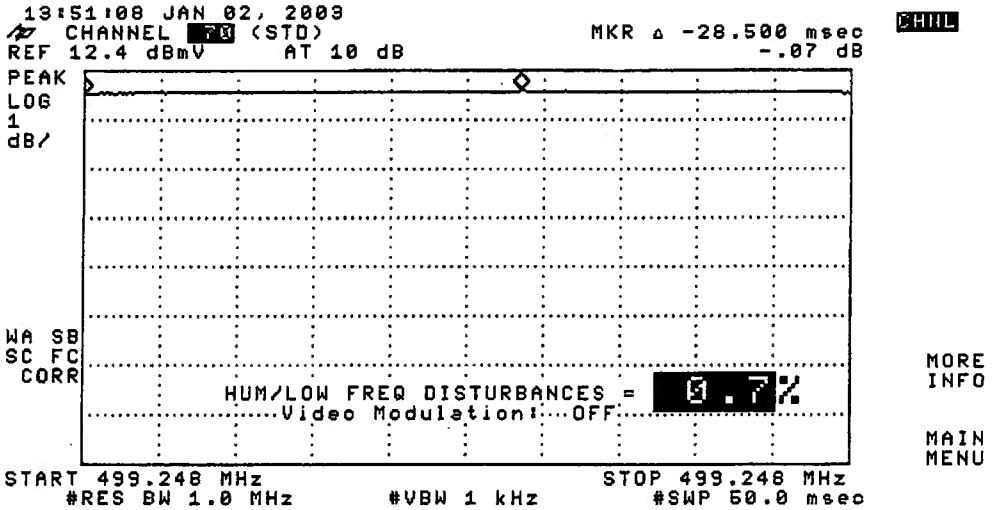
System Name: **Rome / Oneida**

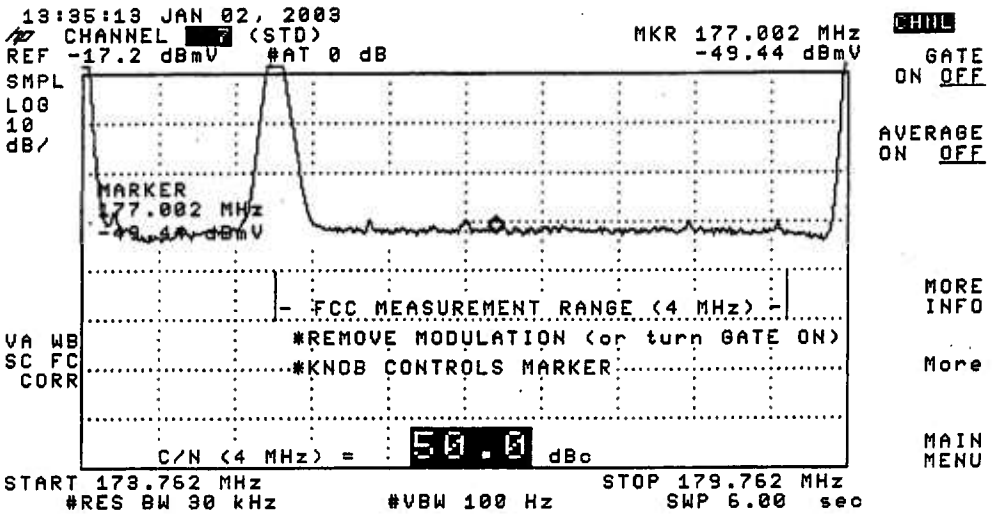
Date: 2-Jan-03

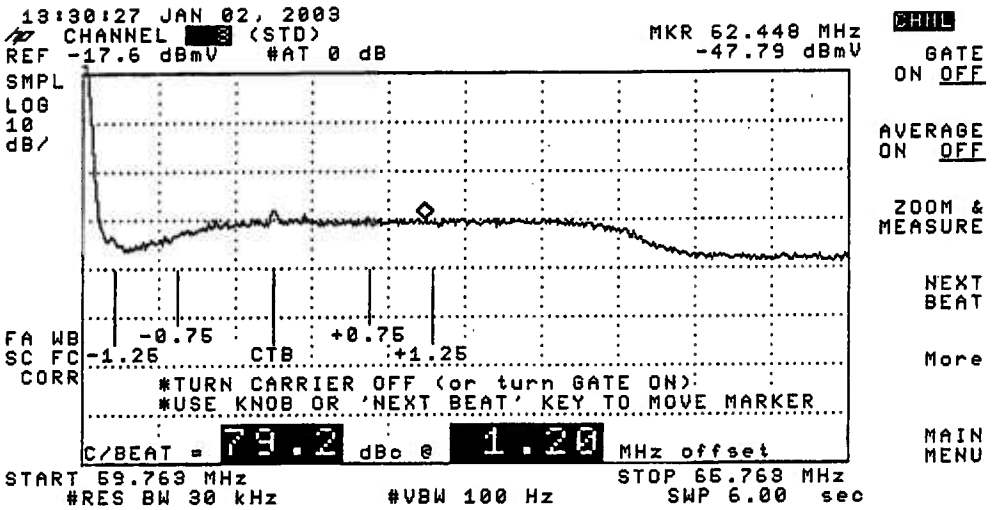
Test Performed By: Joel Marmon

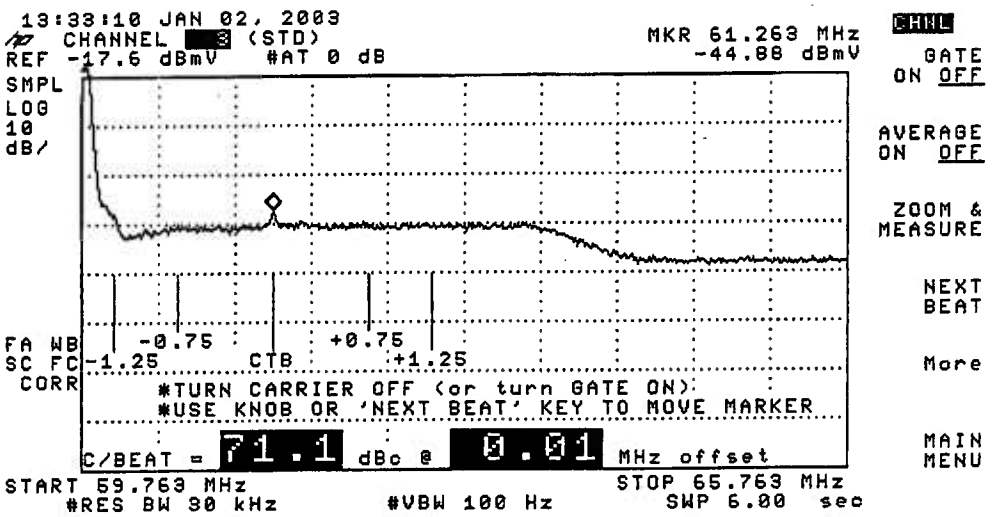
Location: Marsden Drive, Bernards Bay

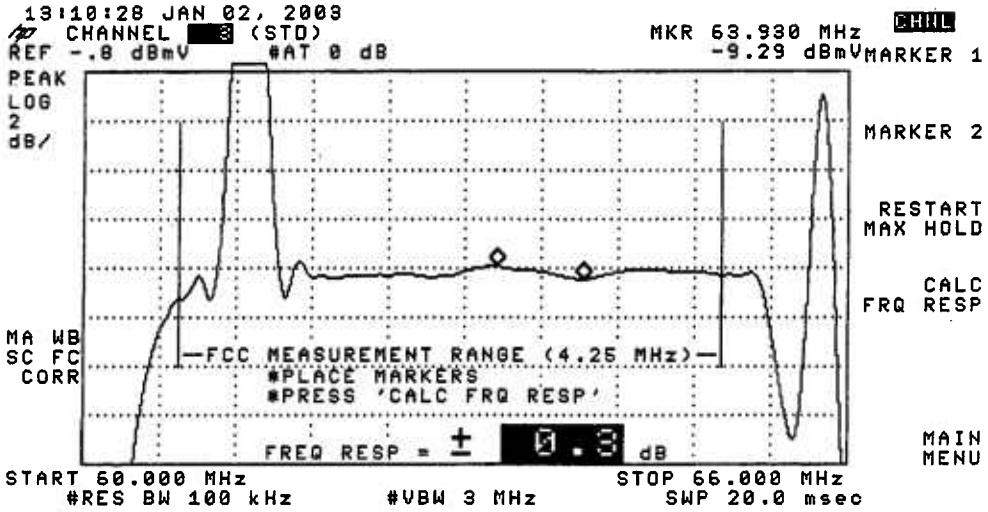
(SEE THE ATTATCHED SWEEP TRACES)

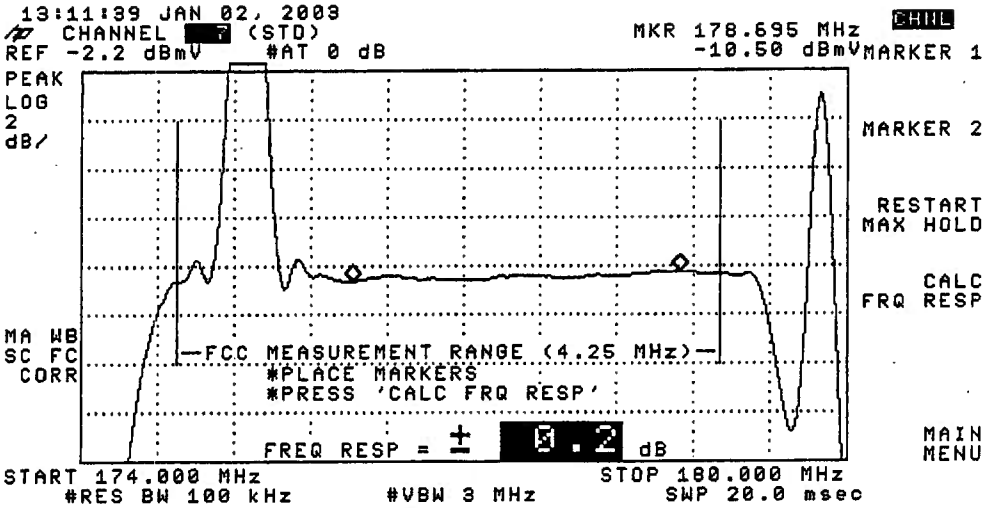

13:51:08 JAN 02, 2003
CHANNEL 70 (STD)
REF 12.4 dBmV
AT 10 dB
MKR Δ -28.500 msec
-.07 dB
CHNL
PEAK
LOG
1
dB/
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = 0.7%
Video Modulation: OFF
MORE
INFO
MAIN
MENU
START 499.248 MHz
#RES BW 1.0 MHz
#VBW 1 kHz
STOP 499.248 MHz
#SWP 50.0 msec

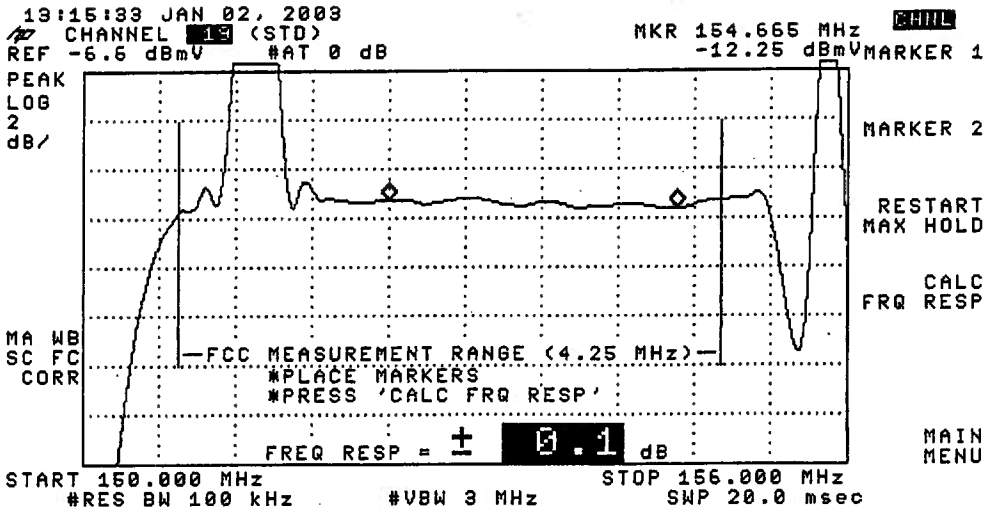

13:35:13 JAN 02, 2003
CHANNEL 7 (STD)
REF -17.2 dBmV
#AT 0 dB
MKR 177.002 MHz
-49.44 dBmV
CHNL
GATE
ON OFF
SMPL
LOG
10
dB/
AVERAGE
ON OFF
MARKER
177.002 MHz
-49.44 dBmV
- FCC MEASUREMENT RANGE (4 MHz) -
MORE
INFO
VA WB
SC FC
CORR
*REMOVE MODULATION (or turn GATE ON)
*KNOB CONTROLS MARKER
More
C/N (4 MHz) = 50.0 dBc
MAIN
MENU
START 173.762 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 179.762 MHz
SWP 6.00 sec

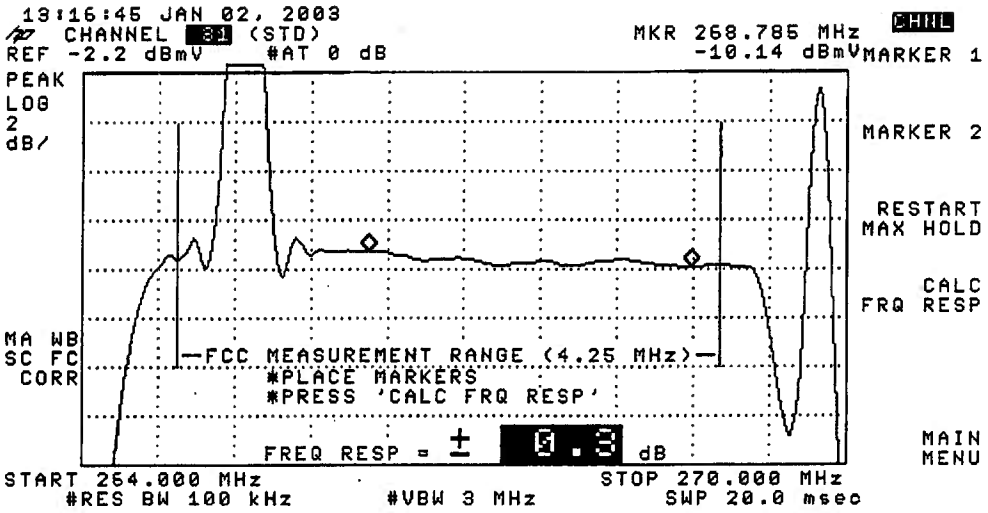

13:30:27 JAN 02, 2003
CHANNEL 3 (STD)
REF -17.6 dBmV
#AT 0 dB
MKR 62.448 MHz
-47.79 dBmV
CHIL
SMPL
LOG
10
dB/
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
NEXT
BEAT
More
MAIN
MENU
FA WB
SC FC
CORR
-0.75
+0.75
-1.25
CTB
+1.25
*TURN CARRIER OFF (or turn GATE ON)
*USE KNOB OR 'NEXT BEAT' KEY TO MOVE MARKER
C/BEAT = 79.2 dBc @ 1.20 MHz offset
START 59.763 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 65.763 MHz
SWP 6.00 sec

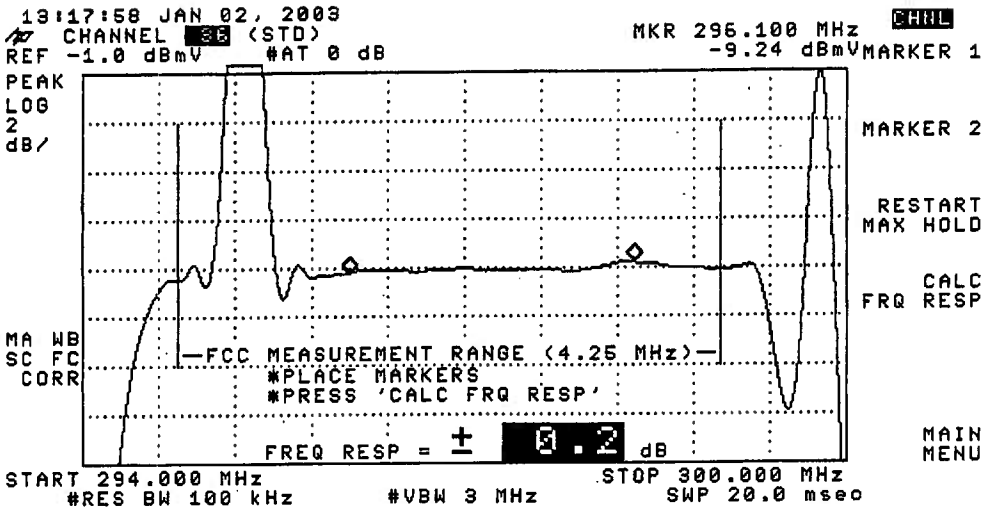

13:33:10 JAN 02, 2003
CHANNEL 3 (STD)
REF -17.6 dBmV
#AT 0 dB
MKR 61.263 MHz
-44.88 dBmV
SMPL
LOG
10
dB/
FA WB
SC FC
CORR
-0.75
+0.75
-1.25
CTB
+1.25
*TURN CARRIER OFF (or turn GATE ON)
*USE KNOB OR 'NEXT BEAT' KEY TO MOVE MARKER
C/BEAT = 71.1 dBc @ 0.01 MHz offset
START 59.763 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 65.763 MHz
SWP 6.00 sec
CHNL
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
NEXT
BEAT
More
MAIN
MENU

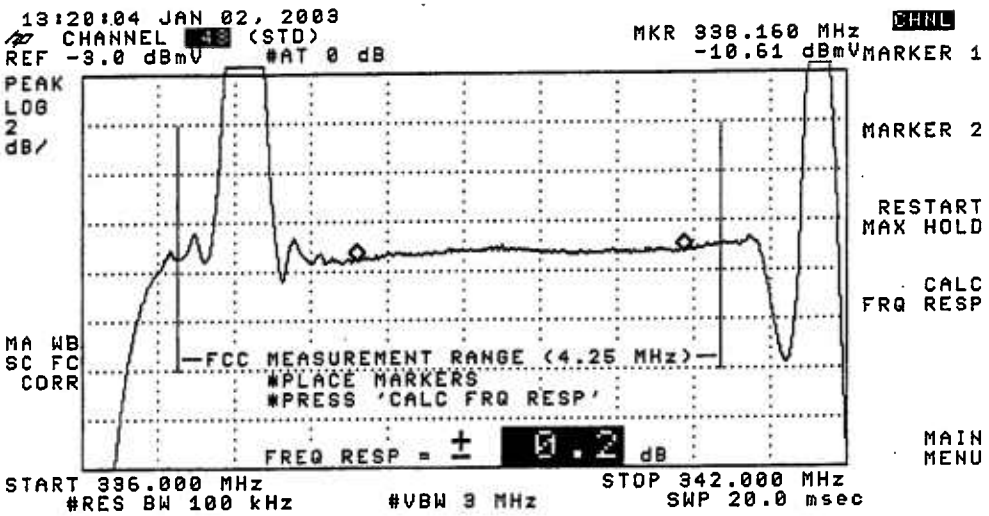

13:10:28 JAN 02, 2008
CHANNEL 3 (STD)
REF -.8 dBmV
#AT 0 dB
MKR 63.930 MHz
-9.29 dBmV
CHIL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 60.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 66.000 MHz
SWP 20.0 msec

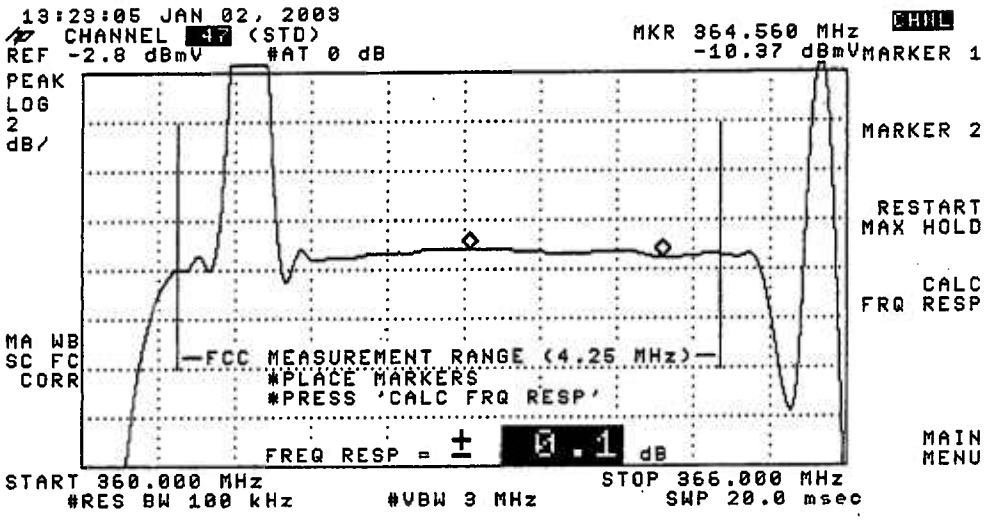

13:11:39 JAN 02, 2003
CHANNEL 7 (STD)
REF -2.2 dBmV
#AT 0 dB
MKR 178.695 MHz
-10.50 dBmV
CHRL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 174.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 180.000 MHz
SWP 20.0 msec

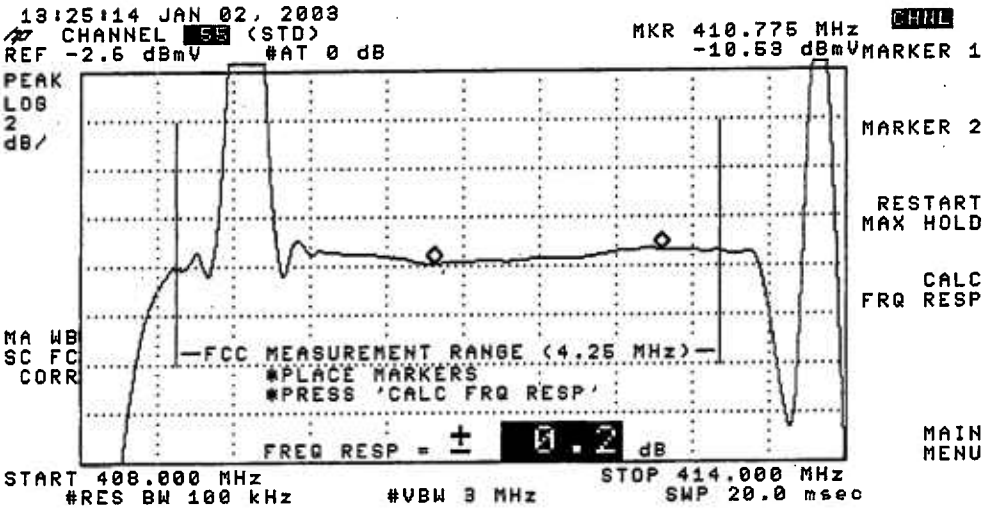

13:15:33 JAN 02, 2003
CHANNEL 13 (STD)
REF -6.6 dBmV
#AT 0 dB
MKR 154.665 MHz
-12.25 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.1 dB
MAIN
MENU
START 150.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 156.000 MHz
SWP 20.0 msec

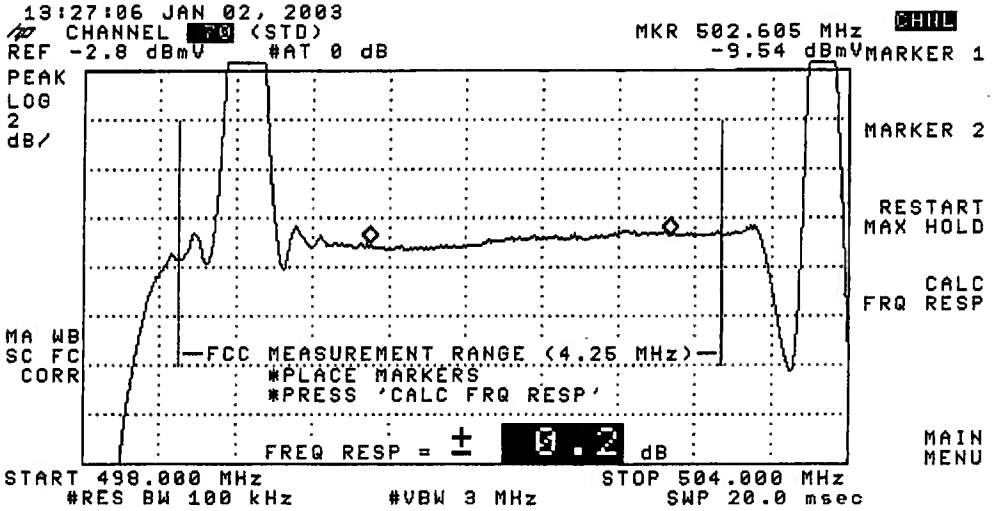

13:16:45 JAN 02, 2003
CHANNEL 31 (STD)
REF -2.2 dBmV
#AT 0 dB
MKR 268.785 MHz
-10.14 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 264.000 MHz
STOP 270.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec


13:17:58 JAN 02, 2003
CHANNEL 38 (STD)
REF -1.0 dBmV
#AT 0 dB
MKR 296.100 MHz
-9.24 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 294.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 300.000 MHz
SWP 20.0 mseo


13:20:04 JAN 02, 2003
CHANNEL 48 (STD)
REF -3.0 dBmV
#AT 0 dB
MKR 338.160 MHz
-10.61 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 336.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 342.000 MHz
SWP 20.0 msec


13:23:05 JAN 02, 2003
CHANNEL 47 (STD)
REF -2.8 dBmV
#AT 0 dB
MKR 364.560 MHz
-10.37 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.1 dB
MAIN
MENU
START 360.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 366.000 MHz
SWP 20.0 msec


13:25:14 JAN 02, 2003
CHANNEL 55 (STD)
REF -2.6 dBmV
#AT 0 dB
MKR 410.775 MHz
-10.53 dBmV
CHRL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 408.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 414.000 MHz
SWP 20.0 msec


13:27:06 JAN 02, 2003
CHANNEL 70 (STD)
REF -2.8 dBmV
#AT 0 dB
MKR 502.605 MHz
-9.54 dBmV
CHRL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 498.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 504.000 MHz
SWP 20.0 msec

TIME WARNER CABLE - - SYRACUSE DIVISION

Visual Carrier Level Variation Test

System Name: Rome / Oneida

Test Point Location: Marsden Drive, Bernards Bay

Date: January 2, 2003 **Performed by:** Joel Marmon

Meter Serial Number: US37241488

Chan	Freq (MHz)	Temp F 32 Time 13:00 Visual Level (dbmv)	29 19:00	25 1:00	28 7:00	Max Var
2	55.2500	11.2	11.1	11.0	11.3	0.3
3	61.2500	11.7	11.7	11.6	11.6	0.1
4	67.2500	11.7	11.3	11.4	11.5	0.4
5	77.2500	12.3	12.3	12.3	12.3	0
6	83.2500	11.7	11.8	11.8	11.7	0.1
A-5(95)	91.2500	11.7	11.8	11.8	11.8	0.1
A-4(96)	97.2500	10.8	10.8	10.7	10.9	0.2
A-3(97)	103.2500					
A-2(98)	109.2750					
A-1(99)	115.2750	10.3	10.0	10.2	10.1	0.3
A(14)	121.2625	10.2	10.4	10.2	10.1	0.3
B(15)	127.2625	10.4	10.3	10.0	10.1	0.4
C(16)	133.2625	10.6	10.5	10.4	10.2	0.4
D(17)	139.2500	10.2	10.6	10.6	10.6	0.4
E(18)	145.2500	10.9	11.2	11.1	11.0	0.3
F(19)	151.2500	9.4	9.3	9.4	9.2	0.2
G(20)	157.2500	10.5	10.7	10.3	10.5	0.4
H(21)	163.2500	9.8	9.7	9.8	9.8	0.1
I(22)	169.2500	10.4	10.7	10.7	10.7	0.3
7	175.2500	10.9	11.2	10.8	10.8	0.4
8	181.2500	10.4	10.3	10.5	10.4	0.2
9	187.2500	10.7	10.3	10.6	10.5	0.4
10	193.2500	10.4	10.6	10.3	10.6	0.3
11	199.2500	10.7	10.7	10.6	10.7	0.1
12	205.2500	9.9	9.8	10.1	9.9	0.3
13	211.2500	9.6	10.0	9.8	9.8	0.4
J(23)	217.2500	8.7	8.8	8.8	8.8	0.1
K(24)	223.2500	9.4	9.3	9.4	9.2	0.2
L(25)	229.2625	9.4	9.7	9.9	9.8	0.5
M(26)	235.2625	9.3	9.4	9.4	9.3	0.1
N(27)	241.2625	9.1	9.3	9.4	9.2	0.3
O(28)	247.2625	10.3	10.1	10.3	10.2	0.2
P(29)	253.2625	10.1	10.0	10.0	9.9	0.2
Q(30)	259.2625	10.9	11.0	10.8	11.0	0.2
R(31)	265.2625	10.6	10.8	10.7	10.5	0.3
S(32)	271.2625	10.6	10.8	10.8	10.6	0.2
T(33)	277.2625	10.9	10.7	10.8	10.7	0.2
U(34)	283.2625	10.6	10.8	10.8	10.5	0.3
V(35)	289.2625	10.9	11.0	11.1	10.9	0.2
W(36)	295.2625	10.6	10.8	10.9	10.8	0.3
AA(37)	301.2625	10.5	10.9	11.0	10.9	0.5
BB(38)	307.2625	10.8	11.1	11.0	11.0	0.3
CC(39)	313.2625	11.2	11.4	11.5	11.2	0.3
DD(40)	319.2625	10.7	10.9	11.0	10.7	0.3
EE(41)	325.2625	10.1	10.8	9.9	10.8	0.9
FF(42)	331.2750	10.0	10.2	10.0	10.0	0.2
GG(43)	337.2625	10.0	10.4	10.4	10.1	0.4
HH(44)	343.2625	10.6	10.8	10.8	10.5	0.3
II(45)	349.2625	10.0	10.4	10.4	10.2	0.4
JJ(46)	355.2625	9.7	10.1	10.1	10.0	0.4
KK(47)	361.2625	9.4	10.0	10.0	9.5	0.6
LL(48)	367.2625	9.9	10.1	9.9	9.9	0.2
MM(49)	373.2625	9.3	9.6	9.6	9.5	0.3
NN(50)	379.2625	9.5	9.7	10.0	9.8	0.5
OO(51)	385.2625	9.1	9.4	9.4	8.9	0.5
PP(52)	391.2625	9.4	10.0	10.1	10.1	0.7
QQ(53)	397.2625	8.7	9.1	9.2	9.4	0.7
RR(54)	403.2500	9.2	9.4	9.6	9.6	0.4
SS(55)	409.2500	9.4	9.9	10.0	10.0	0.6
TT(56)	415.2500	9.0	9.0	9.1	9.0	0.1
UU(57)	421.2500	8.7	9.4	9.4	9.2	0.7
VV(58)	427.2500	9.1	9.6	9.4	9.5	0.5
WW(59)	433.2500	8.7	9.4	9.5	9.2	0.8
XX(60)	439.2500	8.7	9.1	9.3	9.2	0.6
YY(61)	445.2500	9.0	9.6	9.6	9.6	0.6
ZZ(62)	451.2500	9.0	9.5	9.6	9.5	0.6
63	457.2500	9.2	9.6	10.0	9.8	0.8
64	463.2500	9.1	9.6	10.0	9.8	0.9
65	469.2500	9.3	9.8	10.1	9.9	0.8
66	475.2500	9.3	9.7	9.9	9.6	0.6
67	481.2500	9.0	9.5	9.7	9.5	0.7
68	487.2500	9.1	9.6	9.9	9.6	0.8
69	493.2500	9.9	10.4	10.5	10.4	0.6
70	499.2500	9.7	10.3	10.4	10.2	0.7
71	505.2500	9.4	9.8	9.9	9.6	0.5
72	511.2500	9.7	10.2	10.3	10.1	0.6
73	517.2500	9.8	10.5	10.4	10.2	0.7
74	523.2500	9.4	9.9	9.8	9.5	0.5
75	529.2500	9.4	9.9	9.8	9.7	0.5
76	535.2500	9.7	10.3	10.2	10.1	0.6
77	541.2500	8.2	8.7	8.8	8.6	0.6
78	547.2500	8.9	9.4	9.4	9.2	0.5
79	553.2500					
80	559.2500					
81	565.2500					

Max NonAdjacent Channel Level Diff. 4.1

Max Adjacent Channel Level Diff. 1.9

Max Variance from last proof-of-performance test 0.90

Date of last proof-of-performance test N/A

Note: Make measurements through a 100 ft. test drop cable without a converter

Testpoint # 1

TIME WARNER CABLE -- SYRACUSE DIVISION

System Name:	**Rome / Oneida**
System Test Point #	2
Hub Name:	Dixon Road
Location / Community:	Wanner Road, North Bay
Map Number:	422-5700
Pole Number:	NM 9
D.T. Value:	17/4
OR Number:	874
GNA Cascade:	6
LE Cascade:	0

TIME WARNER CABLE -- SYRACUSE DIVISION

Visual Carrier Level
Visual / Aural Level Difference
(at Test Point, at The End of a 100' Drop)

System Name: Rome / Oneida
Test Location Wanner Road, North Bay
Date : January 2, 2003
Time : 15:35

Chan	Freq (MHz)	Visual Level (dbmV)		Aural Level (dbmV)	SC /S	Diff. (DbmV)		Chan	Freq (MHz)	Visual Level (dbmV)		Aural Level (dbmV)	SC /S	Diff. (DbmV)	
2	55.2500	15.3		1.7		13.6		DD(40)	319.2625	12.6		-1.7		14.3	
3	61.2500	16.2		2.6		13.6		EE(41)	325.2625	11.5		-1.5		13.0	
4	67.2500	15.7		1.6		14.1		FF(42)	331.2750	12.6		-1.1		13.7	
5	77.2500	15.2		2.3		12.9		GG(43)	337.2625	12.2		-2.5	S	14.7	
6	83.2500	14.5		1.0		13.5		HH(44)	343.2625	12.5		-1.5		14.0	
A-5(95)	91.2500	14.5		0.2	S	14.3		II(45)	349.2625	12.0		-0.5	S	12.5	
A-4(96)	97.2500	14.3		-0.1		14.4		JJ(46)	355.2625	11.7		-2.0		13.7	
A-3(97)	103.2500	N/A		N/A		N/A		KK(47)	361.2625	11.6		-2.0		13.6	
A-2(98)	109.2750	N/A		N/A		N/A		LL(48)	367.2625	10.8		-2.9		13.7	
A-1(99)	115.2750	13.2		-3.0		16.2		MM(49)	373.2625	11.4		-2.3		13.7	
A(14)	121.2625	13.9		1.4		12.5		NN(50)	379.2625	11.5		-1.7		13.2	
B(15)	127.2625	12.4		-0.8		13.2		OO(51)	385.2625	11.9		-3.6	S	15.5	
C(16)	133.2625	13.6		0.3		13.3		PP(52)	391.2625	11.8		-4.6	S	16.4	
D(17)	139.2500	13.8		1.5	S	12.3		QQ(53)	397.2625	11.3		-4.2	S	15.5	
E(18)	145.2500	14.7		0.6		14.1		RR(54)	403.2500	11.2		-3.7	S	14.9	
F(19)	151.3210	13.5		-1.4		14.9		SS(55)	409.2500	11.4		-3.7	S	15.1	
G(20)	157.2500	14.4		-0.6		15.0		TT(56)	415.2500	11.2		-2.6		13.8	
H(21)	163.2500	12.8		-1.1		13.9		UU(57)	421.2500	10.8		-5.9		16.7	
I(22)	169.2500	14.3		0.2		14.1		VV(58)	427.2500	11.1		-2.7		13.8	
7	175.2500	14.5		0.7		13.8		WW(59)	433.2500	11.0		-3.0	S	14.0	
8	181.2500	15.3		0.9		14.4		XX(60)	439.2500	11.4		-4.7	S	16.1	
9	187.2500	14.4		1.4		13.0		YY(61)	445.2500	11.1		-1.5	S	12.6	
10	193.2500	14.2		-0.4		14.6		ZZ(62)	451.2500	11.8		-4.1	S	15.9	
11	199.2500	14.0		-0.1		14.1		63	457.2500	12.2		-2.6	S	14.8	
12	205.2500	13.7		1.0		12.7		64	463.2500	12.5		-2.7	S	15.2	
13	211.2500	13.0		0.9		12.1		65	469.2500	12.1		-2.5	S	14.6	
J(23)	217.2500	11.7		0.1	S	11.6		66	475.2500	12.3		-2.2	S	14.5	
K(24)	223.2500	12.0		-1.8		13.8		67	481.2500	12.3		-4.2	S	16.5	
L(25)	229.2625	12.8		-3.1	S	15.9		68	487.2500	12.3		-0.3	S	12.6	
M(26)	235.2625	11.5		-2.1		13.6		69	493.2500	12.9		-1.8	S	14.7	
N(27)	241.2625	11.8		-2.3		14.1		70	499.2500	12.7		-0.3	S	13.0	
O(28)	247.2625	12.3		-1.2		13.5		71	505.2500	12.3		-2.1	S	14.4	
P(29)	253.2625	12.6		-0.9		13.5		72	511.2500	12.2		-0.4	S	12.6	
Q(30)	259.2625	12.7		-1.0		13.7		73	517.2500	12.2		-2.6	S	14.8	
R(31)	265.2625	13.1		-0.2		13.3		74	523.2500	12.0		-2.2	S	14.2	
S(32)	271.2625	12.2		-0.9		13.1		75	529.2500	12.0		-2.5	S	14.5	
T(33)	277.2625	12.3		-0.4		12.7		76	535.2500	12.5		-1.3	S	13.8	
U(34)	283.2625	13.1		-0.9		14.0		77	541.2500	11.6		-2.6	S	14.2	
V(35)	289.2625	12.2		-0.9		13.1		78	547.2500	12.1		-1.9	S	14.0	
W(36)	295.2625	13.0		-0.3		13.3		79	553.2500	N/A		N/A		N/A	
AA(37)	301.2625	12.8		-2.0		14.8		80	559.2500	N/A		N/A		N/A	
BB(38)	307.2625	12.8		-2.0		14.8		81	565.2500	N/A		N/A		N/A	
CC(39)	313.2625	12.7		-1.2		13.9									

Min Channel :-	LL(48)	10.8
Max Channel :-	3	16.2

PEAK TO VALLEY: 5.40

TIME WARNER CABLE -- SYRACUSE DIVISION

IN CHANNEL RESPONSE Test
CARRIER - TO - NOISE Test
COHERENT DISTURBANCES Test
LOW FREQUENCY DISTURBANCES Test

System Name: Rome/Oneida

Date: January 2, 2003

Test Performed By: Joel Marmon

Location: Wanner Road, North Bay

Note: ***Make measurements through a 100 ft. test drop cable without converter.***

Channel Number	In Channel Response (+/- dB)	Carrier To Noise Ratio (dB)	Distortions (-dBc) CTB	CSO	HUM (%)
3	0.2	48.1	74.7	74.3	
19	0.3	47.6	68.4	75.2	
7	0.3	48.5	67.4	76.5	
31	0.3	47.3	65.3	71.0	
36	0.1	47.7	64.8	71.0	
43	0.1	47.2	63.5	67.3	
47	0.2	47.0	61.4	67.0	
55	0.3	47.7	63.3	70.4	
70	0.2	48.0	63.6	66.4	0.6

TIME WARNER CABLE -- SYRACUSE DIVISION

IN - CHANNEL FREQUENCY RESPONSE TEST

(76.605) (a) (6)

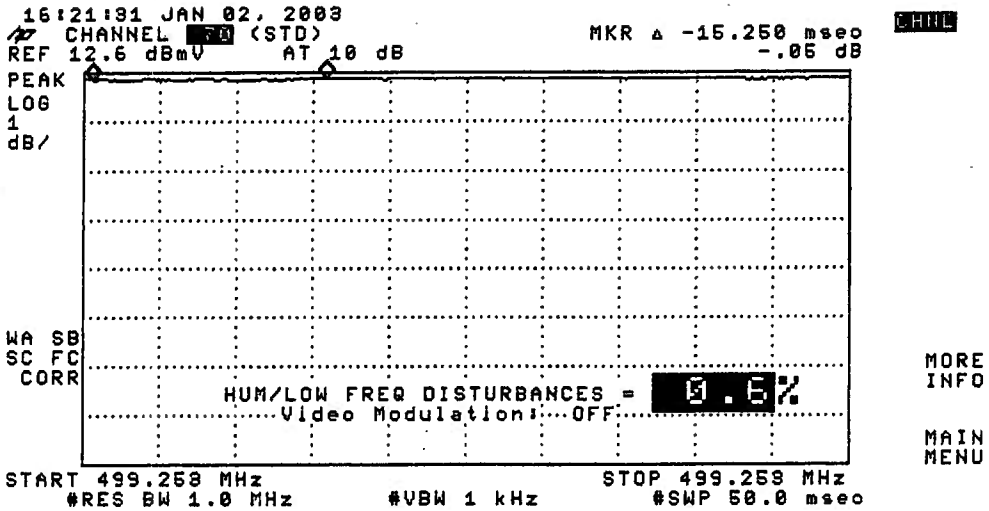
System Name: **Rome / Oneida**

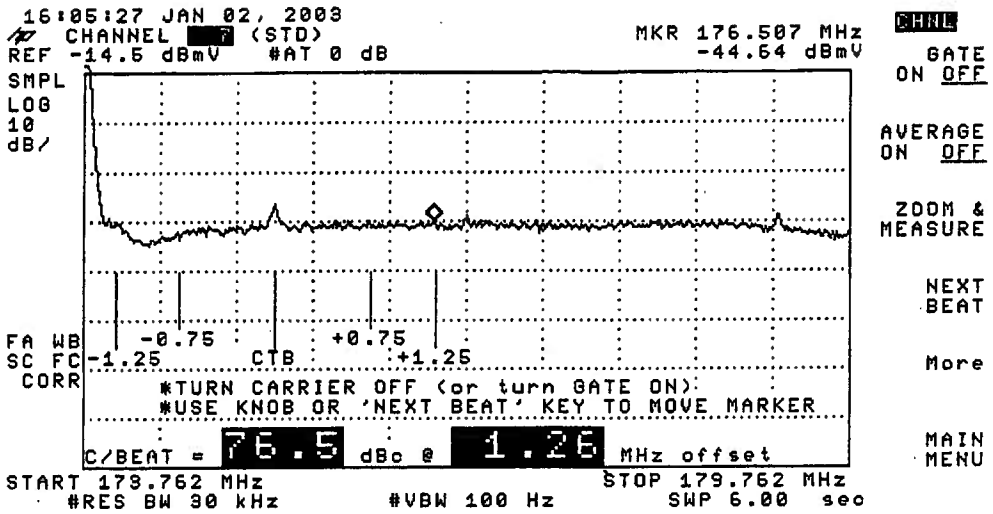
Date: January 2, 2003

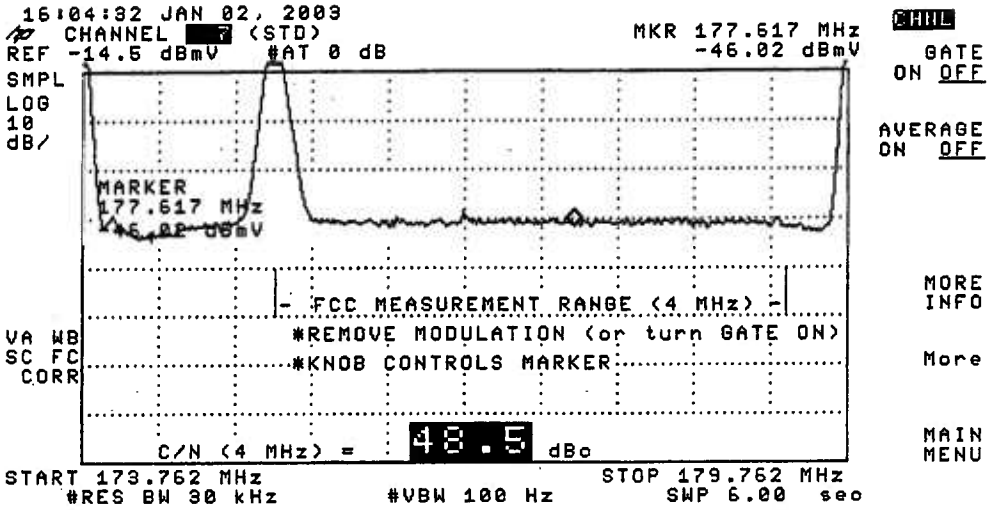
Test Performed By: Joel Marmon

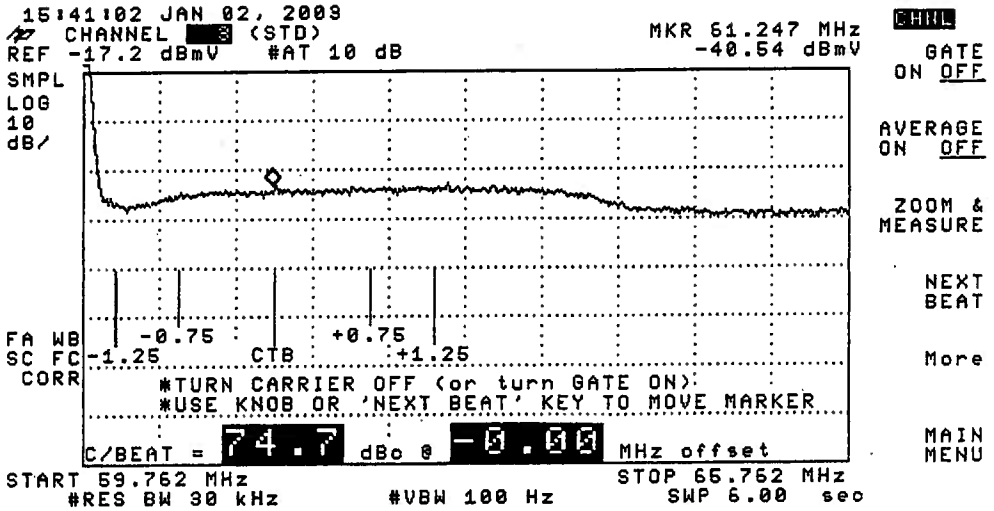
Location: Wanner Road, North Bay

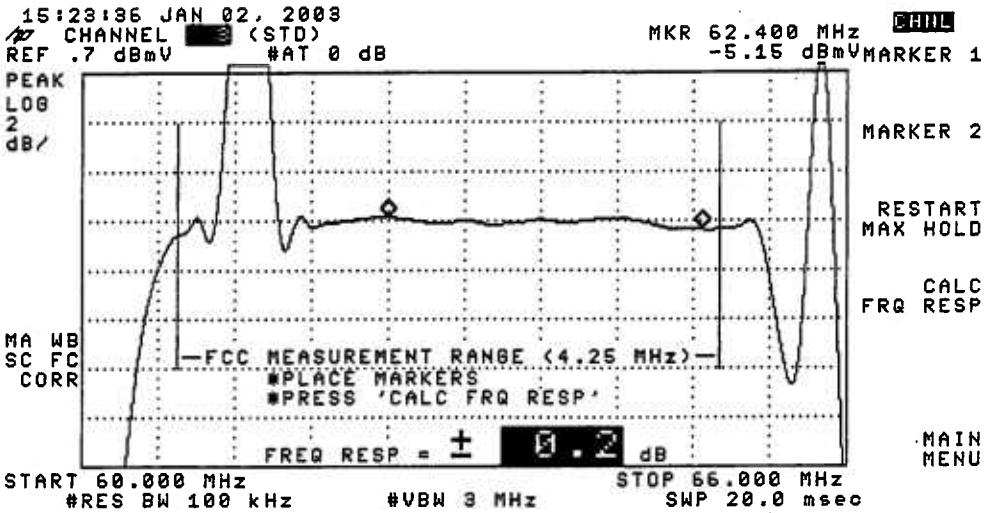
(SEE THE ATTATCHED SWEEP TRACES)

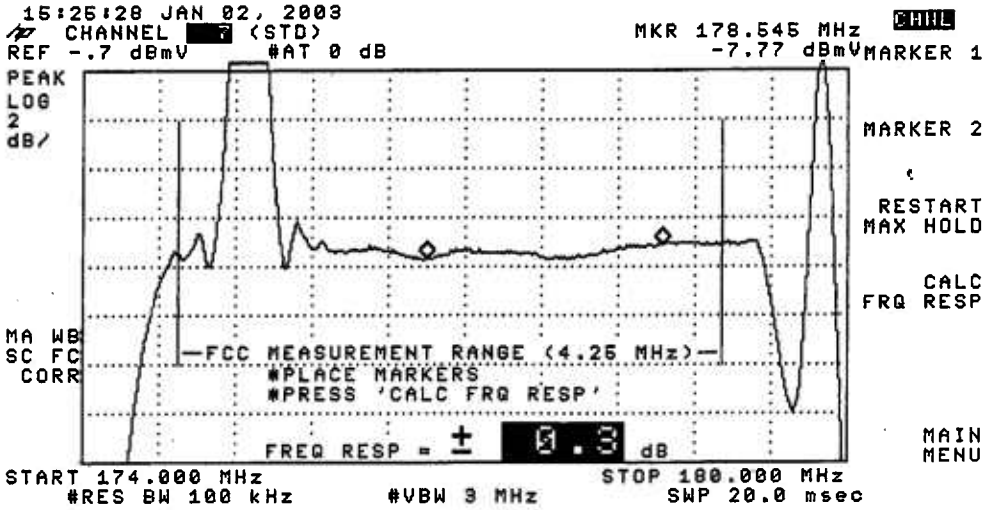

16:21:31 JAN 02, 2003
CHANNEL 78 (STD)
REF 12.6 dBmV
AT 10 dB
MKR Δ -15.250 mseo
-.05 dB
CHNL
PEAK
LOG
1
dB/
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = 0.6%
Video Modulation: OFF
MORE
INFO
MAIN
MENU
START 499.258 MHz
#RES BW 1.0 MHz
#VBW 1 kHz
STOP 499.258 MHz
#SWP 50.0 mseo

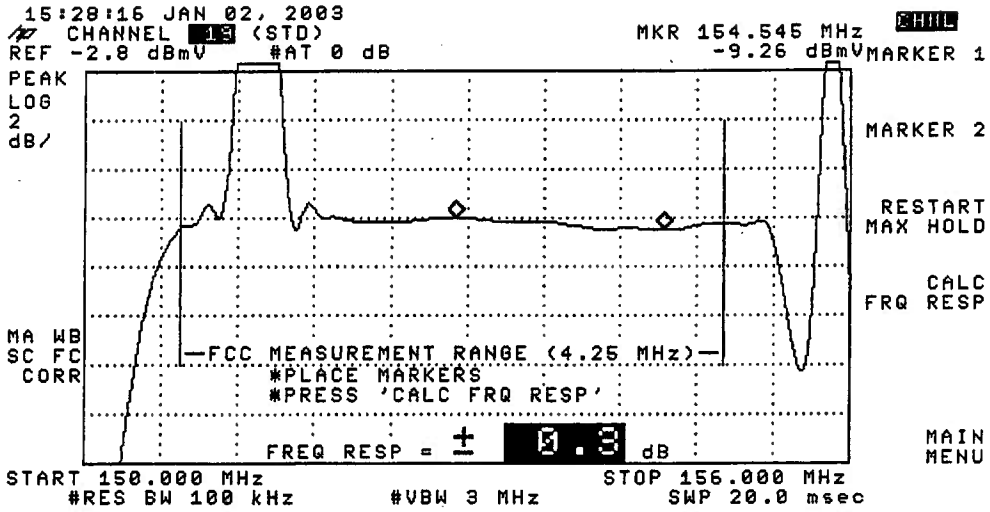

16:05:27 JAN 02, 2003
CHANNEL 7 (STD)
REF -14.5 dBmV
#AT 0 dB
MKR 176.507 MHz
-44.64 dBmV
SMPL
LOG
10
dB/
FA WB
SC FC
CORR
-0.75
+0.75
-1.25
CTB
+1.25
*TURN CARRIER OFF (or turn GATE ON)
*USE KNOB OR 'NEXT BEAT' KEY TO MOVE MARKER
C/BEAT = 76.5 dBc @ 1.26 MHz offset
START 173.762 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 179.762 MHz
SWP 6.00 sec
CHNL
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
NEXT
BEAT
More
MAIN
MENU

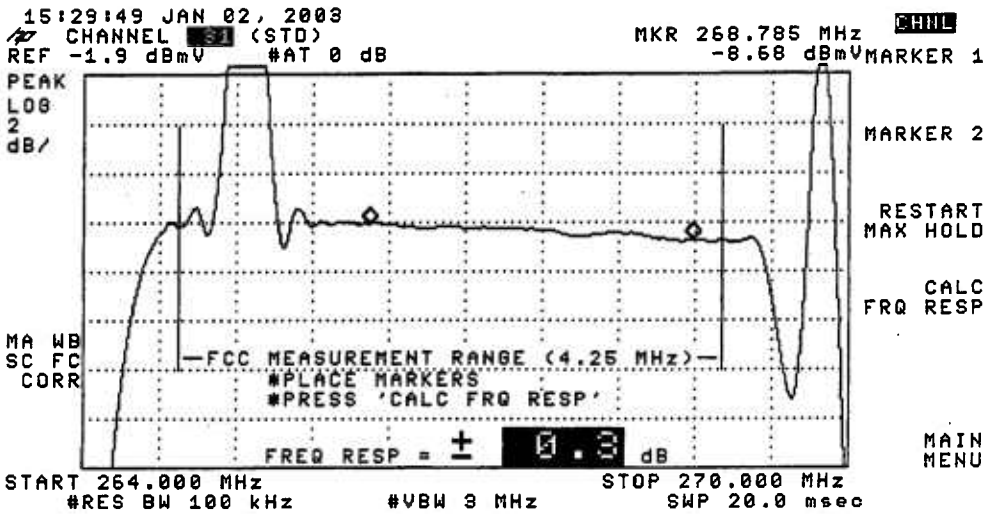

16:04:32 JAN 02, 2003
CHANNEL 7 (STD)
REF -14.5 dBmV
#AT 0 dB
MKR 177.617 MHz
-46.02 dBmV
CHNL
GATE
ON OFF
SMPL
LOG
10
dB/
AVERAGE
ON OFF
MARKER
177.617 MHz
-46.02 dBmV
MORE
INFO
- FCC MEASUREMENT RANGE (4 MHz) -
VA WB
SC FC
CORR
*REMOVE MODULATION (or turn GATE ON)
*KNOB CONTROLS MARKER
More
C/N (4 MHz) =
48.5
dBc
MAIN
MENU
START 173.762 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 179.762 MHz
SWP 6.00 sec

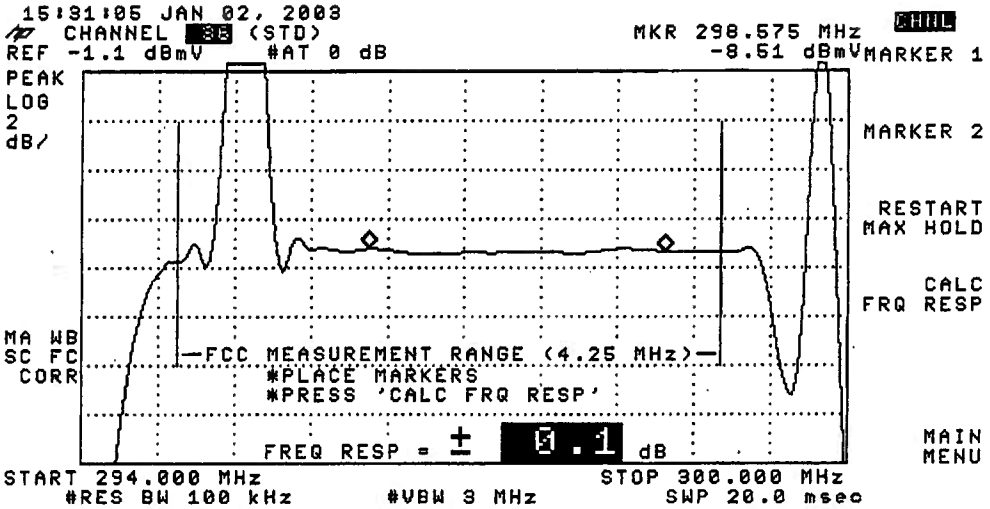

15:41:02 JAN 02, 2009
CHANNEL [redacted] (STD)
REF -17.2 dBmV
#AT 10 dB
MKR 61.247 MHz
-40.54 dBmV
CHRL
GATE
ON OFF
SMPL
LOG
10
dB/
AVERAGE
ON OFF
ZOOM &
MEASURE
NEXT
BEAT
FA WB
SC FC
CORR
-0.75
+0.75
-1.25
CTB
+1.25
More
#TURN CARRIER OFF (or turn GATE ON)
#USE KNOB OR 'NEXT BEAT' KEY TO MOVE MARKER
C/BEAT = 74.7 dBc @ -0.00 MHz offset
MAIN
MENU
START 59.762 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 65.762 MHz
SWP 6.00 sec

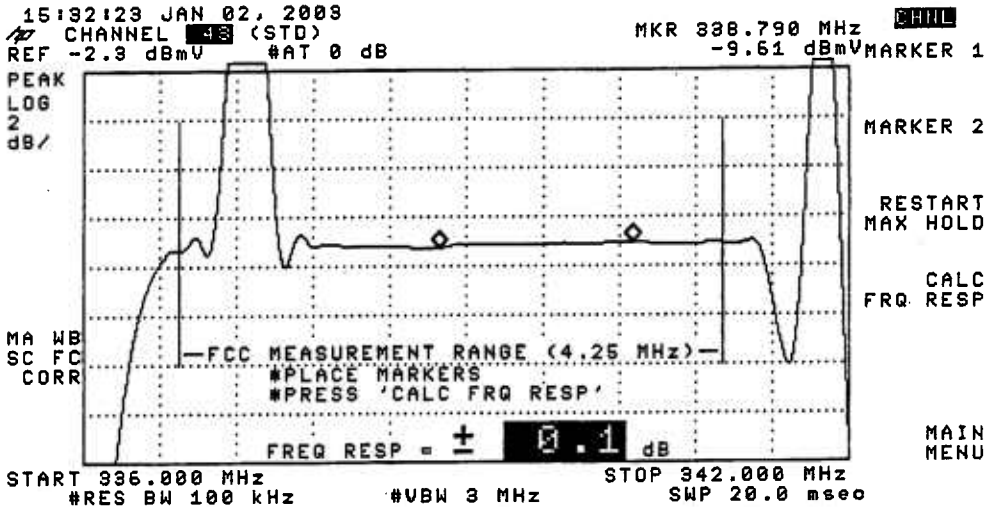

15:23:36 JAN 02, 2003
CHANNEL 3 (STD)
REF .7 dBmV
#AT 0 dB
MKR 62.400 MHz
-5.15 dBmV
CHIL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 60.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 66.000 MHz
SWP 20.0 msec

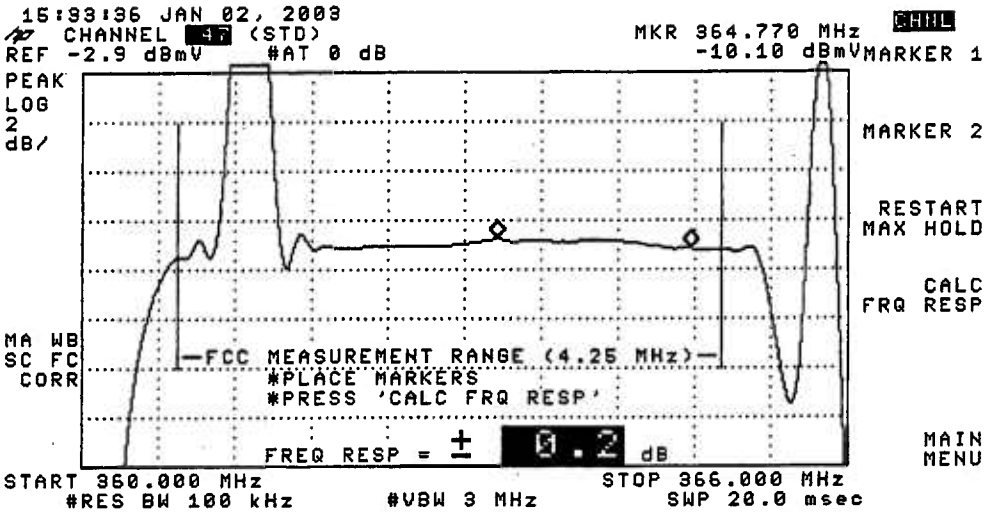

15:25:28 JAN 02, 2003
CHANNEL 7 (STD)
REF -.7 dBmV
#AT 0 dB
MKR 178.545 MHz
-7.77 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 174.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 180.000 MHz
SWP 20.0 msec

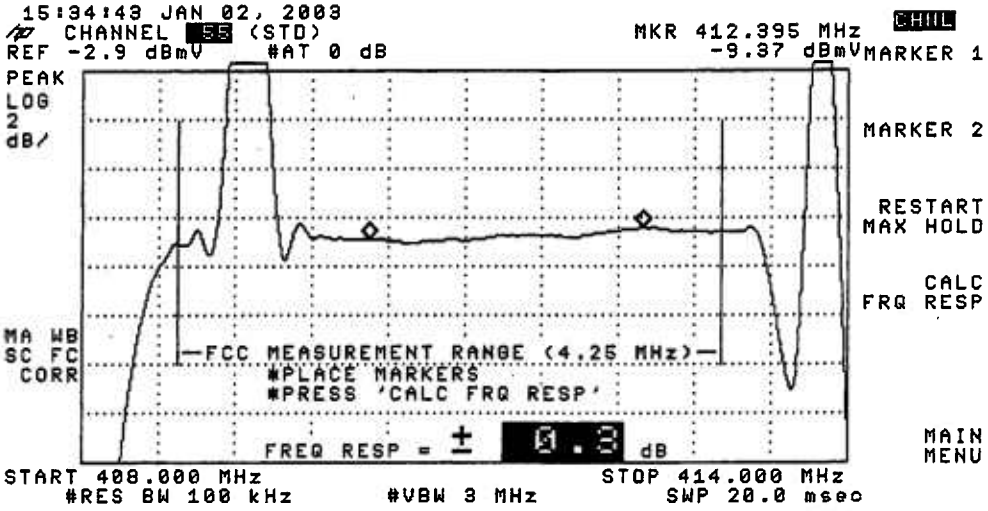

15:28:16 JAN 02, 2003
CHANNEL 13 (STD)
REF -2.8 dBmV
#AT 0 dB
MKR 154.545 MHz
-9.26 dBmV
CHIL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 150.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 156.000 MHz
SWP 20.0 msec

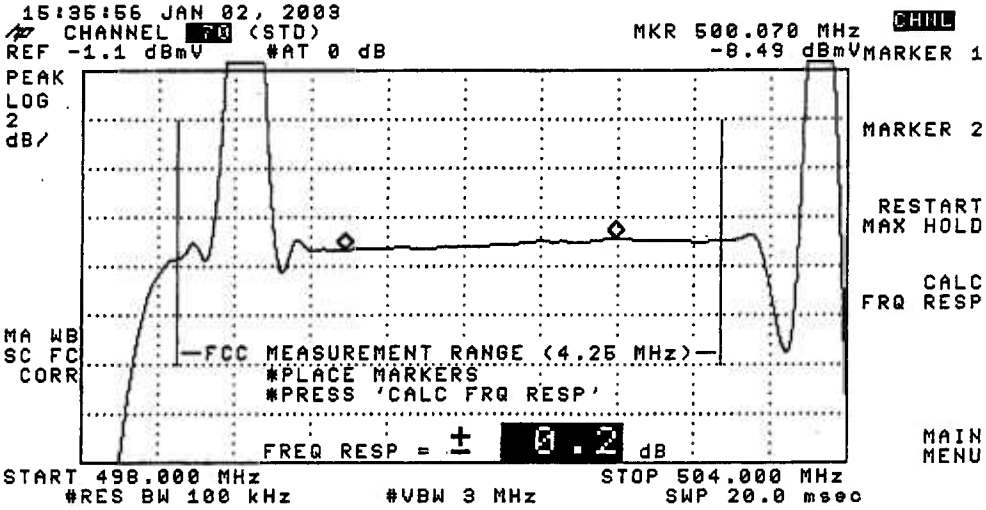

15:29:49 JAN 02, 2003
CHANNEL 31 (STD)
REF -1.9 dBmV
#AT 0 dB
MKR 268.785 MHz
-8.68 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 264.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 270.000 MHz
SWP 20.0 msec


15:31:05 JAN 02, 2003
CHANNEL 38 (STD)
REF -1.1 dBmV
#AT 0 dB
MKR 298.575 MHz
-8.51 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.1 dB
MAIN
MENU
START 294.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 300.000 MHz
SWP 20.0 msec


15:32:23 JAN 02, 2008
CHANNEL 43 (STD)
REF -2.3 dBmV
#AT 0 dB
MKR 338.790 MHz
-9.61 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.1 dB
MAIN
MENU
START 336.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 342.000 MHz
SWP 20.0 msec


15:33:36 JAN 02, 2003
CHANNEL 47 (STD)
REF -2.9 dBmV
#AT 0 dB
MKR 364.770 MHz
-10.10 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 360.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 366.000 MHz
SWP 20.0 msec


15:34:43 JAN 02, 2003
CHANNEL 55 (STD)
REF -2.9 dBmV
#AT 0 dB
MKR 412.395 MHz
-9.37 dBmV
CHIL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 408.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 414.000 MHz
SWP 20.0 msec


15:35:56 JAN 02, 2003
CHANNEL 70 (STD)
REF -1.1 dBmV
#AT 0 dB
MKR 500.070 MHz
-8.49 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 498.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 504.000 MHz
SWP 20.0 msec

TIME WARNER CABLE - - SYRACUSE DIVISION

Visual Carrier Level Variation Test

System Name: Rome / Oneida

Test Point Location: Wanner Road, North Bay

Date: January 2, 2003 **Performed by:** Joel Marmon

Meter Serial Number: US37241488

Chan	Freq (MHz)	Temp F				Max Var	Chan	Freq (MHz)	Temp F				Max Var
		30	28	23	24				30	28	23	24	
		Time							Time				
		15:35	21:35	3:35	9:35				15:35	21:35	3:35	9:35	
		Visual Level (dbmv)							Visual Level (dbmv)				
2	55.2500	15.3	15.3	15.2	15.1	0.2	DD(40)	319.2625	12.6	12.9	12.8	12.6	0.3
3	61.2500	16.2	16.3	16.1	16.0	0.3	EE(41)	325.2625	11.5	12.9	12.6	12.5	1.4
4	67.2500	15.7	15.8	15.7	15.4	0.4	FF(42)	331.2750	12.6	12.9	12.7	11.9	1
5	77.2500	15.2	15.3	15.2	14.9	0.4	GG(43)	337.2625	12.2	12.9	12.9	12.5	0.7
6	83.2500	14.5	14.3	14.3	14.3	0.2	HH(44)	343.2625	12.5	12.6	12.5	12.3	0.3
A-5(95)	91.2500	14.5	14.6	14.5	14.4	0.2	II(45)	349.2625	12.0	12.6	13.0	12.5	1
A-4(96)	97.2500	14.3	14.1	14.0	14.0	0.3	JJ(46)	355.2625	11.7	12.5	12.4	12.0	0.8
A-3(97)	103.2500						KK(47)	361.2625	11.6	12.0	12.1	11.7	0.5
A-2(98)	109.2750						LL(48)	367.2625	10.8	12.0	11.8	11.6	1.2
A-1(99)	115.2750	13.2	13.4	13.2	13.1	0.3	MM(49)	373.2625	11.4	11.4	11.2	10.9	0.5
A(14)	121.2625	13.9	13.8	13.6	13.7	0.3	NN(50)	379.2625	11.5	12.1	11.9	11.5	0.6
B(15)	127.2625	12.4	12.2	12.4	12.2	0.2	OO(51)	385.2625	11.9	12.0	11.9	11.5	0.5
C(16)	133.2625	13.6	13.7	13.5	13.6	0.2	PP(52)	391.2625	11.8	12.2	12.0	11.7	0.5
D(17)	139.2500	13.8	13.9	13.7	13.6	0.3	QQ(53)	397.2625	11.3	12.3	12.2	11.8	1
E(18)	145.2500	14.7	14.2	14.1	14.1	0.6	RR(54)	403.2500	11.2	12.0	11.8	11.4	0.8
F(19)	151.2500	13.5	13.6	13.5	13.2	0.4	SS(55)	409.2500	11.4	11.8	11.9	11.3	0.6
G(20)	157.2500	14.4	14.4	14.2	14.2	0.2	TT(56)	415.2500	11.2	11.9	11.7	11.5	0.7
H(21)	163.2500	12.8	13.0	12.8	12.5	0.5	UU(57)	421.2500	10.8	11.3	11.6	11.1	0.8
I(22)	169.2500	14.3	14.4	14.2	13.8	0.6	VV(58)	427.2500	11.1	11.8	11.7	11.3	0.7
7	175.2500	14.5	14.6	14.6	14.3	0.3	WW(59)	433.2500	11.0	11.8	11.9	11.3	0.9
8	181.2500	15.3	15.6	15.2	15.1	0.5	XX(60)	439.2500	11.4	11.5	11.6	11.1	0.5
9	187.2500	14.4	14.5	14.5	14.5	0.1	YY(61)	445.2500	11.1	12.0	11.9	11.5	0.9
10	193.2500	14.2	14.4	14.0	14.0	0.4	ZZ(62)	451.2500	11.8	11.6	11.4	11.1	0.7
11	199.2500	14.0	14.2	14.1	14.0	0.2	63	457.2500	12.2	12.4	12.4	11.7	0.7
12	205.2500	13.7	13.9	13.5	13.4	0.5	64	463.2500	12.5	12.7	12.6	12.2	0.5
13	211.2500	13.0	13.2	13.3	13.1	0.3	65	469.2500	12.1	13.0	12.9	12.5	0.9
J(23)	217.2500	11.7	11.9	11.9	11.7	0.2	66	475.2500	12.3	12.7	12.7	12.2	0.5
K(24)	223.2500	12.0	12.3	11.9	11.7	0.6	67	481.2500	12.3	12.9	12.7	12.3	0.6
L(25)	229.2625	12.8	13.0	12.8	12.7	0.3	68	487.2500	12.3	13.0	12.8	12.3	0.7
M(26)	235.2625	11.5	11.7	11.6	11.5	0.2	69	493.2500	12.9	13.0	12.8	12.3	0.7
N(27)	241.2625	11.8	11.7	11.6	11.4	0.4	70	499.2500	12.7	13.5	13.4	12.7	0.8
O(28)	247.2625	12.3	12.2	12.1	12.0	0.3	71	505.2500	12.3	13.2	13.2	12.5	0.9
P(29)	253.2625	12.6	12.9	12.7	12.6	0.3	72	511.2500	12.2	12.7	12.6	11.9	0.8
Q(30)	259.2625	12.7	13.0	12.8	12.7	0.3	73	517.2500	12.2	12.9	12.6	12.1	0.8
R(31)	265.2625	13.1	13.4	13.1	13.0	0.4	74	523.2500	12.0	13.0	12.7	12.2	1
S(32)	271.2625	12.2	12.4	12.3	11.9	0.5	75	529.2500	12.0	12.7	12.3	11.8	0.9
T(33)	277.2625	12.3	12.5	12.2	12.0	0.5	76	535.2500	12.5	12.9	12.4	12.0	0.9
U(34)	283.2625	13.1				0	77	541.2500	11.6	13.0	12.9	12.3	1.4
V(35)	289.2625	12.2	13.4	13.2	13.1	1.2	78	547.2500	12.1	12.3	11.9	11.4	0.9
W(36)	295.2625	13.0	12.4	12.2	12.2	0.8	79	553.2500					
AA(37)	301.2625	12.8	13.3	13.2	13.0	0.5	80	559.2500					
BB(38)	307.2625	12.8	12.9	12.9	12.5	0.4	81	565.2500					
CC(39)	313.2625	12.7	13.1	12.8	12.6	0.5							

Max NonAdjacent Channel Level Diff. 5.4

Max Adjacent Channel Level Diff. 1.7

Max Variance from last proof-of-performance test 1.40

Date of last proof-of-performance test N/A

Note: Make measurements through a 100 ft. test drop cable without a converter

Testpoint # 2

TIME WARNER CABLE -- SYRACUSE DIVISION

System Name:	**Rome / Oneida**
System Test Point #	3
Hub Name:	Dixon Road
Location / Community:	Mill Street, Camden
Map Number:	437-5744
Pole Number:	8
D.T. Value:	17/4
OR Number:	866
GNA Cascade:	7
LE Cascade:	0

TIME WARNER CABLE -- SYRACUSE DIVISION

Visual Carrier Level
Visual / Aural Level Difference
(at Test Point, at The End of a 100' Drop)

System Name: Rome / Oneida
Test Location Mill Street, Camden
Date : January 3, 2003
Time : 16:15

Chan	Freq (MHz)	Visual Level (dbmv)		Aural Level (dbmv)	SC S	Diff (Dbmv)		Chan	Freq (MHz)	Visual Level (dbmv)		Aural Level (dbmv)	SC S	Diff (Dbmv)	
2	55.2500	15.2		2.2		13.0		DD(40)	319.2625	10.5		-3.1		13.6	
3	61.2500	16.4		2.6		13.8		EE(41)	325.2625	10.8		-2.3		13.1	
4	67.2500	15.8		2.3		13.5		FF(42)	331.2750	10.6		-2.6		13.2	
5	77.2500	15.6		2.8		12.8		GG(43)	337.2625	10.4		-4.4	S	14.8	
6	83.2500	15.0		2.1		12.9		HH(44)	343.2625	10.5		-3.3		13.8	
A-5(95)	91.2500	15.6		0.2	S	15.4		II(45)	349.2625	10.0		-2.5	S	12.5	
A-4(96)	97.2500	14.4		-0.6		15.0		JJ(46)	355.2625	9.9		-3.8		13.7	
A-3(97)	103.2500	N/A		N/A		N/A		KK(47)	361.2625	9.7		-3.6		13.3	
A-2(98)	109.2750	N/A		N/A		N/A		LL(48)	367.2625	10.7		-2.7		13.4	
A-1(99)	115.2750	13.8		-2.4		16.2		MM(49)	373.2625	9.7		-4.4		14.1	
A(14)	121.2625	14.2		1.7		12.5		NN(50)	379.2625	9.8		-4.0		13.8	
B(15)	127.2625	14.6		1.3		13.3		OO(51)	385.2625	9.4		-5.7	S	15.1	
C(16)	133.2625	13.2		0.0		13.2		PP(52)	391.2625	9.8		-6.8	S	16.6	
D(17)	139.2500	13.2		0.5	S	12.7		QQ(53)	397.2625	8.0		-6.9	S	14.9	
E(18)	145.2500	13.3		-0.1		13.4		RR(54)	403.2500	8.0		-7.4	S	15.4	
F(19)	151.3210	12.0		-2.7		14.7		SS(55)	409.2500	8.1		-6.9	S	15.0	
G(20)	157.2500	12.9		-1.1		14.0		TT(56)	415.2500	7.4		-6.2		13.6	
H(21)	163.2500	14.9		1.9		13.0		UU(57)	421.2500	7.9		-7.6		15.5	
I(22)	169.2500	13.9		-0.9		14.8		VV(58)	427.2500	8.1		-5.4		13.5	
7	175.2500	13.4		0.0		13.4		WW(59)	433.2500	8.5		-5.5	S	14.0	
8	181.2500	13.4		-0.5		13.9		XX(60)	439.2500	9.0		-6.1	S	15.1	
9	187.2500	13.3		-0.1		13.4		YY(61)	445.2500	10.3		-1.5	S	11.8	
10	193.2500	13.3		-1.3		14.6		ZZ(62)	451.2500	9.6		-5.8	S	15.4	
11	199.2500	14.1		0.2		13.9		63	457.2500	10.0		-4.6	S	14.6	
12	205.2500	11.8		-1.3		13.1		64	463.2500	10.3		-4.6	S	14.9	
13	211.2500	10.6		-3.7		14.3		65	469.2500	10.1		-4.4	S	14.5	
J(23)	217.2500	9.1		-3.9	S	13.0		66	475.2500	10.2		-4.8	S	15.0	
K(24)	223.2500	11.6		-2.3		13.9		67	481.2500	10.3		-6.3	S	16.6	
L(25)	229.2625	11.0		-4.9	S	15.9		68	487.2500	9.5		-3.2	S	12.7	
M(26)	235.2625	12.3		-0.5		12.8		69	493.2500	10.7		-4.3	S	15.0	
N(27)	241.2625	12.0		-1.1		13.1		70	499.2500	10.2		-2.8	S	13.0	
O(28)	247.2625	11.5		-2.7		14.2		71	505.2500	9.9		-4.0	S	13.9	
P(29)	253.2625	9.8		-4.3		14.1		72	511.2500	10.2		-2.4	S	12.6	
Q(30)	259.2625	10.9		-3.2		14.1		73	517.2500	10.4		-4.6	S	15.0	
R(31)	265.2625	10.1		-2.4		12.5		74	523.2500	9.8		-4.3	S	14.1	
S(32)	271.2625	11.4		-0.7		12.1		75	529.2500	10.0		-4.3	S	14.3	
T(33)	277.2625	11.7		-1.9		13.6		76	535.2500	10.2		-2.3	S	12.5	
U(34)	283.2625	10.5		-3.5		14.0		77	541.2500	10.0		-3.3	S	13.3	
V(35)	289.2625	11.1		-2.3		13.4		78	547.2500	11.0		-3.1	S	14.1	
W(36)	295.2625	10.3		-3.0		13.3		79	553.2500	N/A		N/A		N/A	
AA(37)	301.2625	9.6		-4.9		14.5		80	559.2500	N/A		N/A		N/A	
BB(38)	307.2625	8.9		-5.2		14.1		81	565.2500	N/A		N/A		N/A	
CC(39)	313.2625	10.4		-2.8		13.2									

Min Channel :-	TT(56)	7.4
Max Channel :-	3	16.4

PEAK TO VALLEY: 9.00

Test Point # 3

TIME WARNER CABLE -- SYRACUSE DIVISION

IN CHANNEL RESPONSE Test
CARRIER - TO - NOISE Test
COHERENT DISTURBANCES Test
LOW FREQUENCY DISTURBANCES Test

System Name: Rome / Oneida

Date: January 3, 2003

Test Performed By: Joel Marmon

Location: Mill Street, Camden

Note: ***Make measurements through a 100 ft. test drop cable without converter.***

Channel Number	In Channel Response (+/- dB)	Carrier To Noise Ratio (dB)	Distortions (-dBc) CTB	CSO	HUM (%)
3	0.4	47.0	69.8	75.9	
19	0.3	46.9	69.2	72.5	
7	0.5	47.7	68.1	77.5	
31	0.4	47.2	64.1	67.8	
36	0.3	46.9	64.8	65.7	
43	0.2	47.3	65.1	67.6	
47	0.3	47.0	65.6	68.5	
55	0.3	46.9	65.1	67.6	
70	0.4	47.8	63.4	69.1	0.6

TIME WARNER CABLE -- SYRACUSE DIVISION

IN - CHANNEL FREQUENCY RESPONSE TEST

(76.605) (a) (6)

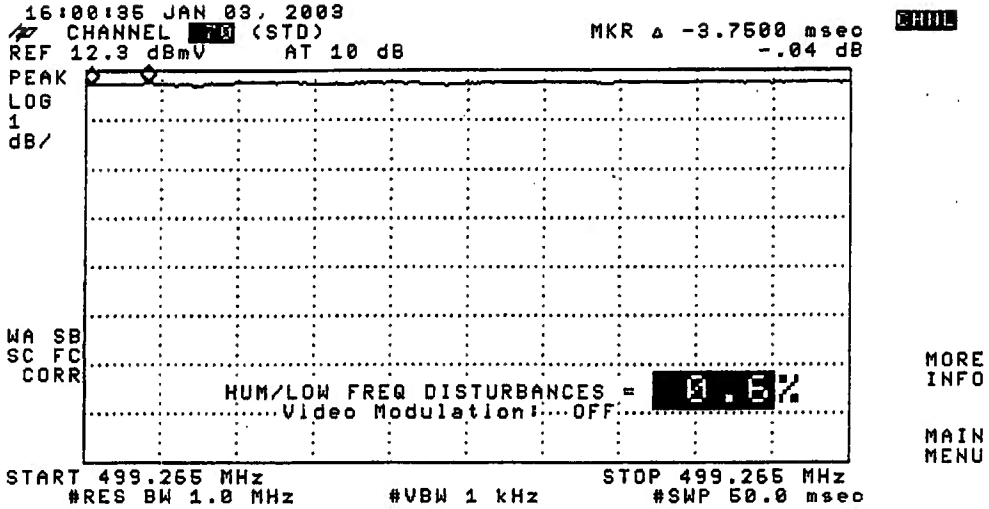
System Name: **Rome / Oneida**

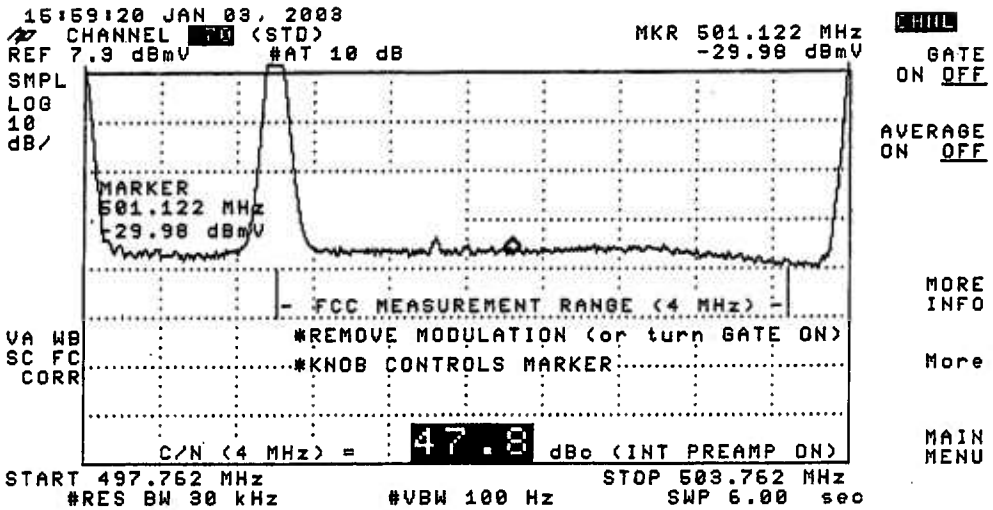
Date: 3-Jan-03

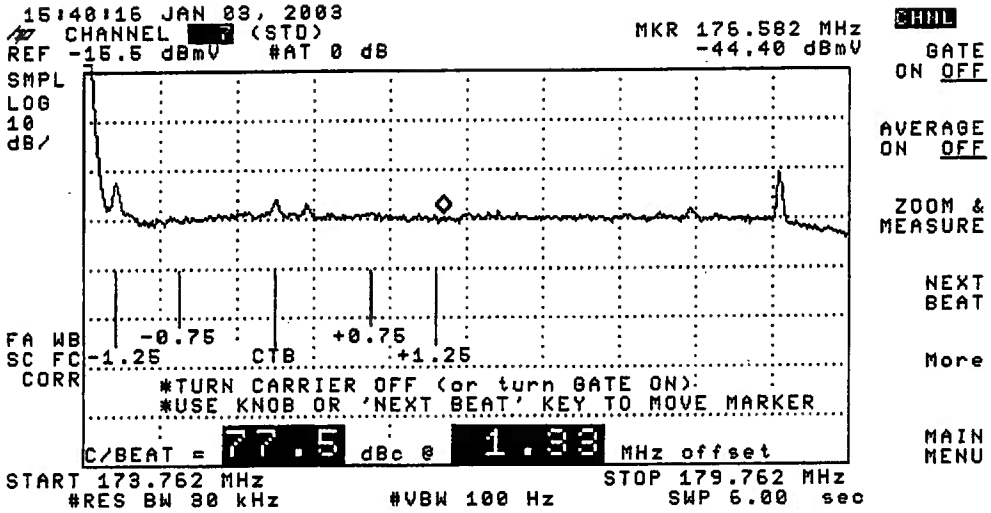
Test Performed By: Joel Marmon

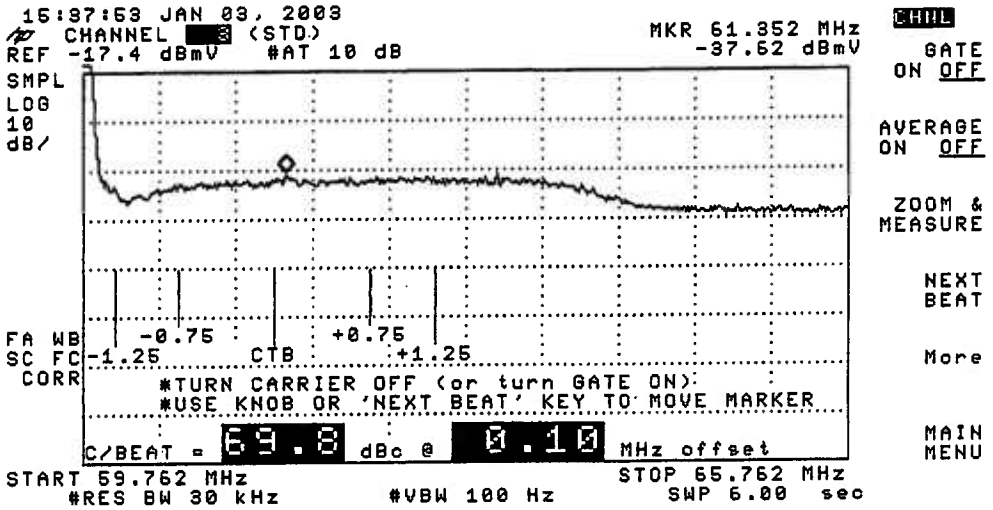
Location: Mill Street, Camden

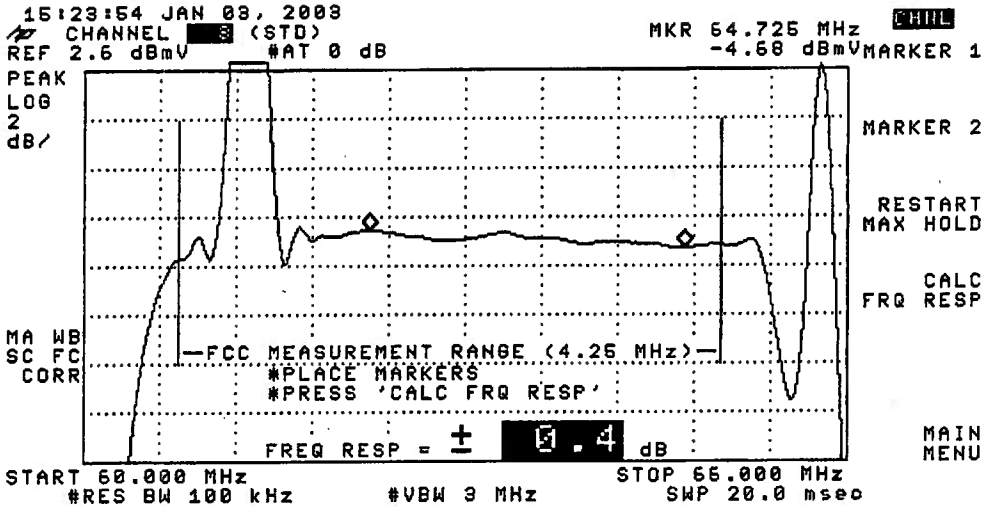
(SEE THE ATTATCHED SWEEP TRACES)

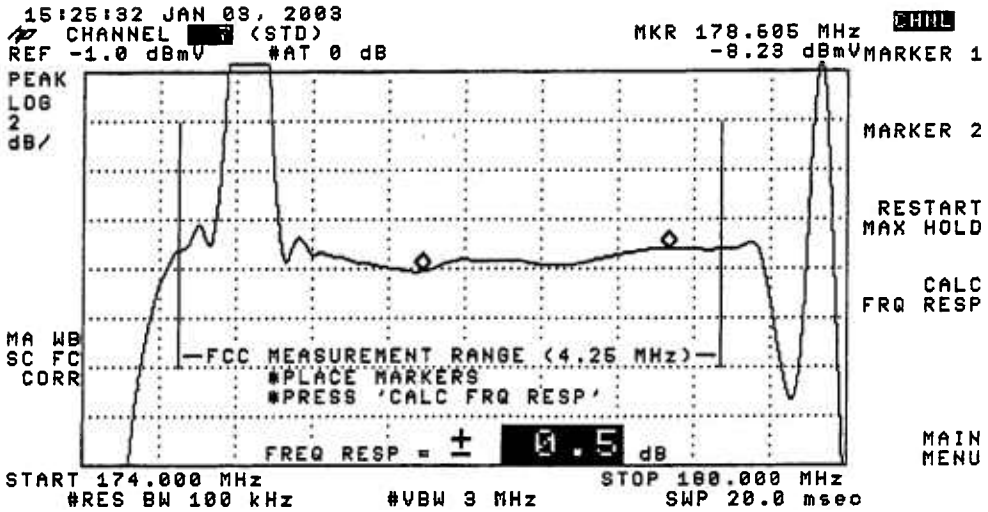

16:00:35 JAN 03, 2003
CHANNEL T8 (STD)
REF 12.3 dBmV
AT 10 dB
MKR Δ -3.7500 msec
-.04 dB
CHIL
PEAK
LOG
1
dB/
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = 0.6%
Video Modulation: OFF
MORE
INFO
MAIN
MENU
START 499.265 MHz
#RES BW 1.0 MHz
#VBW 1 kHz
STOP 499.265 MHz
#SWP 50.0 msec

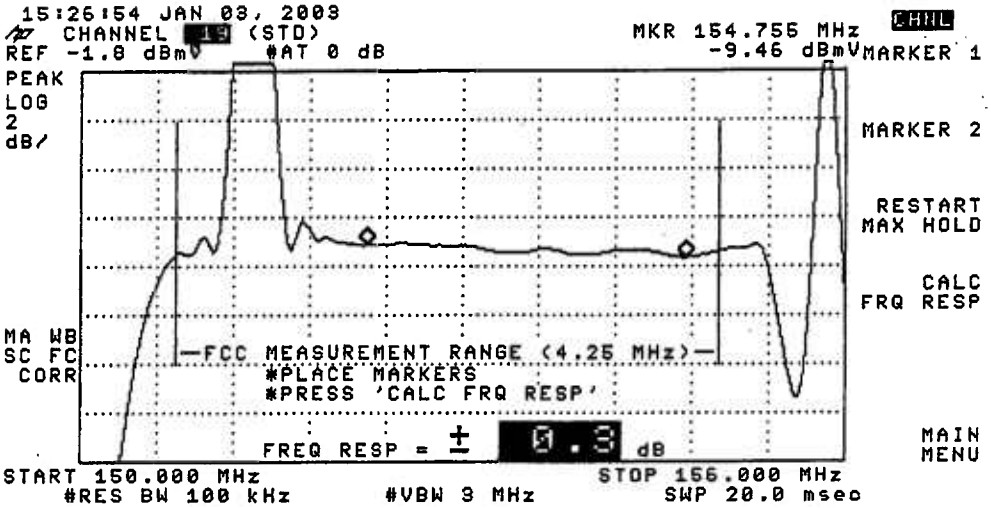

15:59:20 JAN 03, 2008
CHANNEL 79 (STD)
REF 7.9 dBmV
#AT 10 dB
MKR 501.122 MHz
-29.98 dBmV
CHIL
GATE
ON OFF
SMPL
LOG
10
dB/
AVERAGE
ON OFF
MARKER
501.122 MHz
-29.98 dBmV
- FCC MEASUREMENT RANGE (4 MHz) -
MORE
INFO
VA WB
SC FC
CORR
*REMOVE MODULATION (or turn GATE ON)
*KNOB CONTROLS MARKER
More
C/N (4 MHz) =
47.8
dBc (INT PREAMP ON)
MAIN
MENU
START 497.762 MHz
STOP 503.762 MHz
#RES BW 30 kHz
#VBW 100 Hz
SWP 6.00 sec

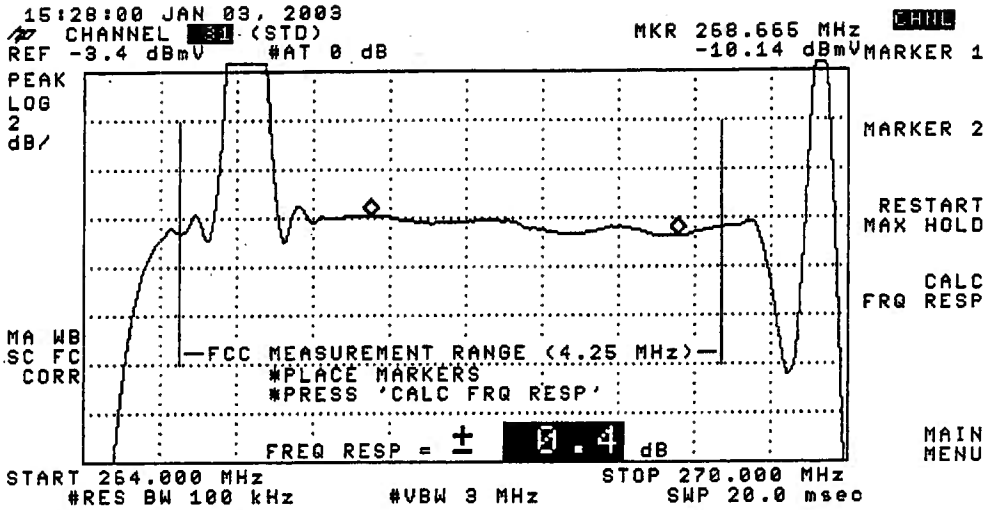

15:40:16 JAN 03, 2003
CHANNEL (STD)
REF -15.5 dBmV
#AT 0 dB
MKR 176.582 MHz
-44.40 dBmV
CHNL
GATE
ON OFF
SMPL
LOG
10
dB/
AVERAGE
ON OFF
ZOOM &
MEASURE
NEXT
BEAT
FA WB
SC FC
CORR
-0.75
-1.25
CTB
+0.75
+1.25
More
#TURN CARRIER OFF (or turn GATE ON)
#USE KNOB OR 'NEXT BEAT' KEY TO MOVE MARKER
C/BEAT = 77.5 dBc @ 1.83 MHz offset
MAIN
MENU
START 173.762 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 179.762 MHz
SWP 6.00 sec

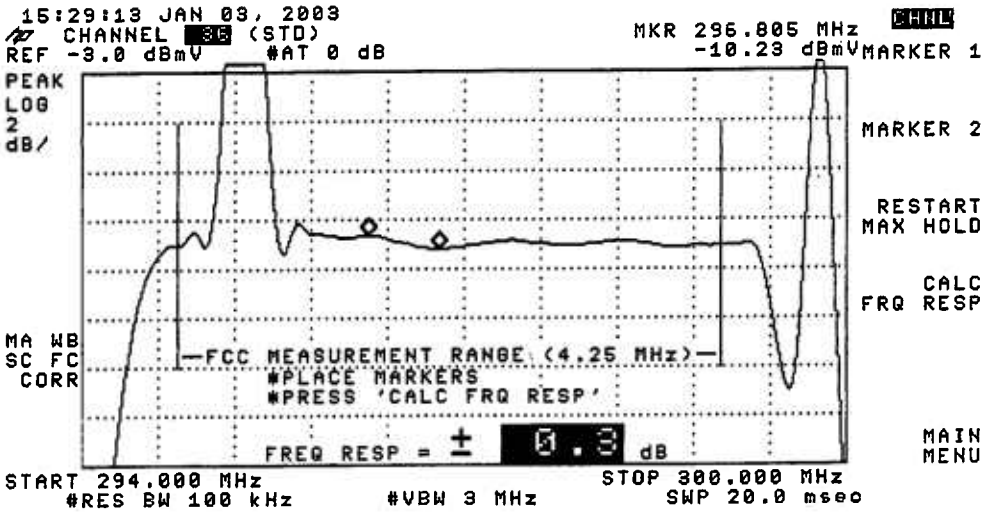

15:37:53 JAN 03, 2003
CHANNEL 3 (STD)
REF -17.4 dBmV
#AT 10 dB
MKR 61.352 MHz
-37.52 dBmV
CHNL
GATE
ON OFF
SMPL
LOG
10
dB/
AVERAGE
ON OFF
ZOOM &
MEASURE
NEXT
BEAT
FA WB
SC FC
CORR
-0.75
+0.75
-1.25
CTB
+1.25
More
#TURN CARRIER OFF (or turn GATE ON)
#USE KNOB OR 'NEXT BEAT' KEY TO MOVE MARKER
C/BEAT = 69.8 dBc @ 0.10 MHz offset
MAIN
MENU
START 59.762 MHz
STOP 65.762 MHz
#RES BW 30 kHz
#VBW 100 Hz
SWP 6.00 sec

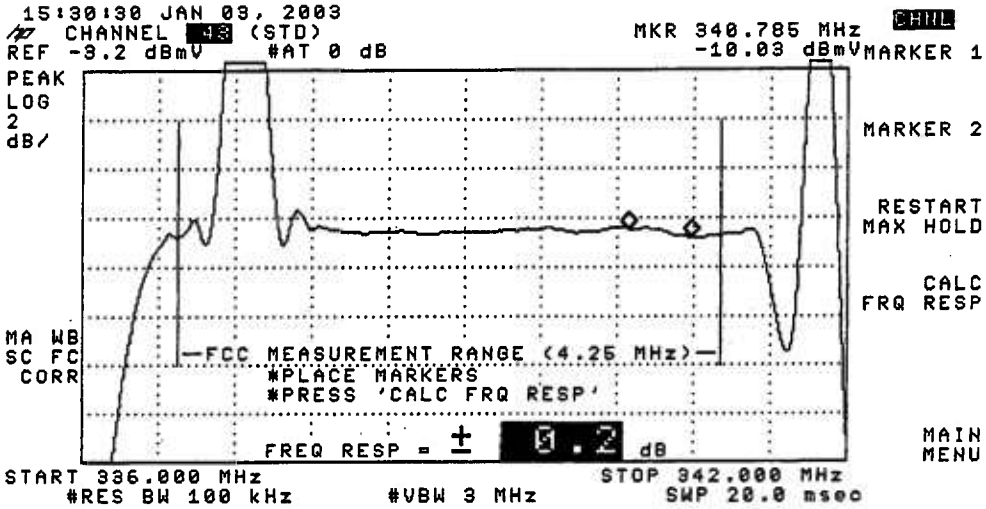

15:23:54 JAN 08, 2008
CHANNEL 3 (STD)
REF 2.6 dBmV
#AT 0 dB
MKR 64.725 MHz
-4.68 dBmV
CHTL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 60.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 65.000 MHz
SWP 20.0 msec

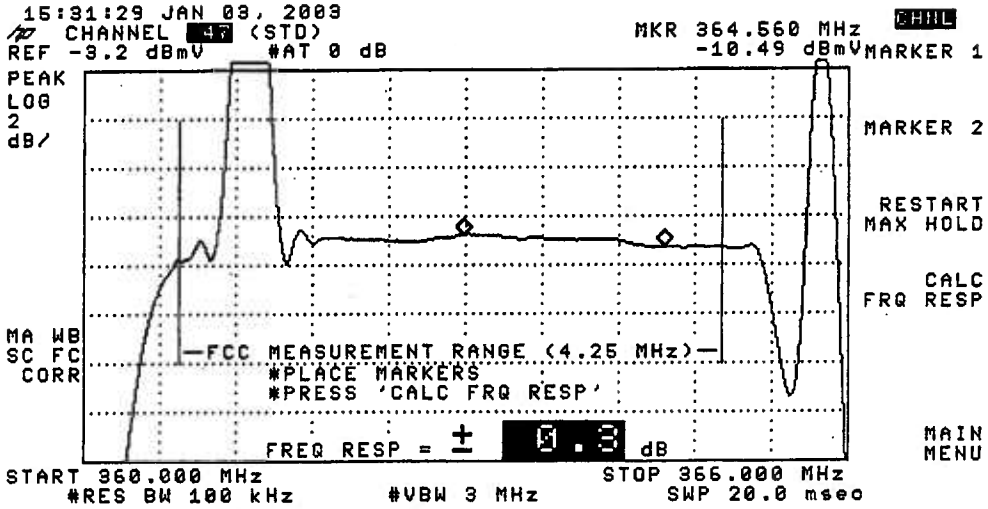

15:25:32 JAN 03, 2003
CHANNEL 7 (STD)
REF -1.0 dBmV
#AT 0 dB
MKR 178.605 MHz
-8.23 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
START 174.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 180.000 MHz
SWP 20.0 msec

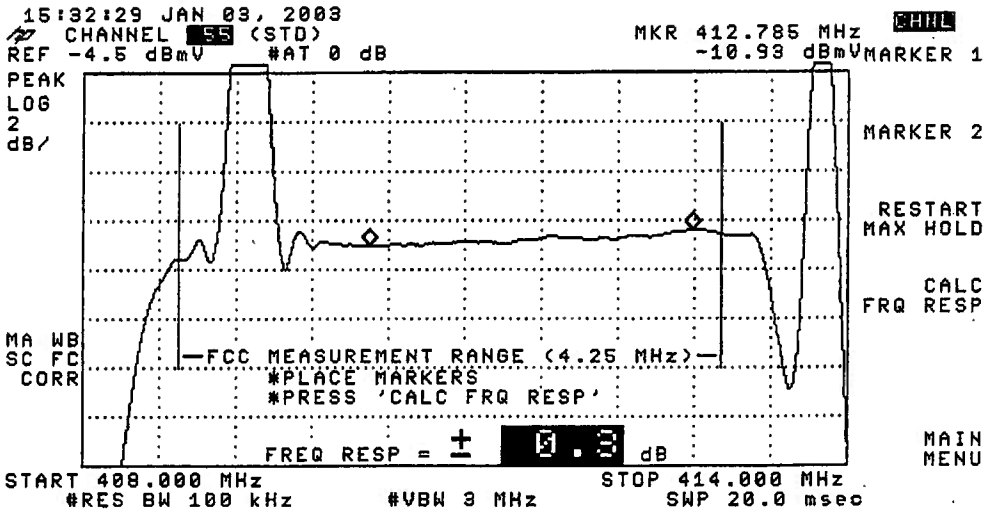

15:26:54 JAN 03, 2008
CHANNEL 19 (STD)
REF -1.8 dBmV
#AT 0 dB
MKR 154.755 MHz
-9.46 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 150.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 155.000 MHz
SWP 20.0 msec

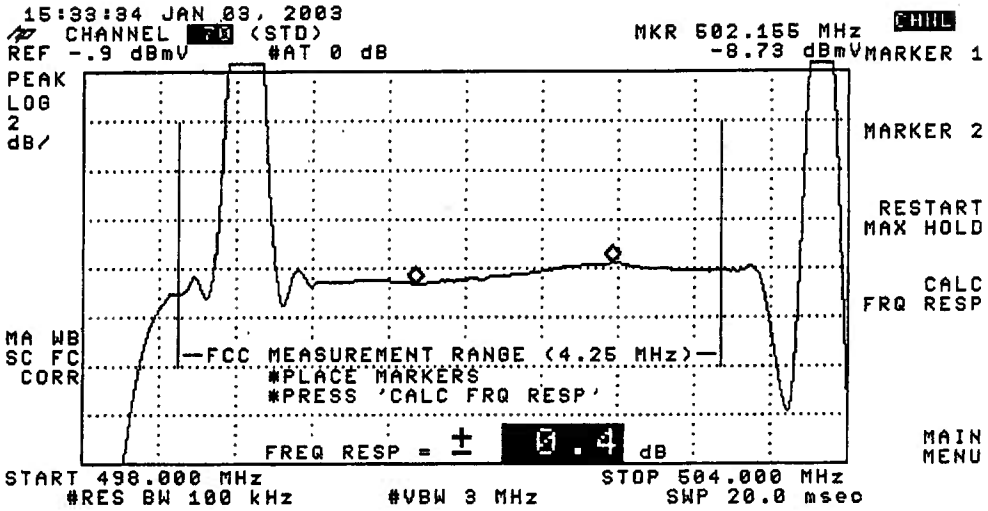

15:28:00 JAN 03, 2003
CHANNEL 31 (STD)
REF -3.4 dBmV
#AT 0 dB
MKR 268.665 MHz
-10.14 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 264.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 270.000 MHz
SWP 20.0 msec


15:29:13 JAN 03, 2003
CHANNEL 36 (STD)
REF -3.0 dBmV
#AT 0 dB
MKR 296.805 MHz
-10.23 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 294.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 300.000 MHz
SWP 20.0 msec


15:30:30 JAN 03, 2003
CHANNEL 13 (STD)
REF -3.2 dBmV
#AT 0 dB
MKR 340.785 MHz
-10.03 dBmV
CHRL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 336.000 MHz
STOP 342.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec


15:31:29 JAN 03, 2003
CHANNEL 47 (STD)
REF -3.2 dBmV
#AT 0 dB
MKR 364.560 MHz
-10.49 dBmV
CHIL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 360.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 366.000 MHz
SWP 20.0 msec


15:32:29 JAN 03, 2003
CHANNEL 55 (STD)
REF -4.5 dBmV
#AT 0 dB
MKR 412.785 MHz
-10.93 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 408.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 414.000 MHz
SWP 20.0 msec


15:33:34 JAN 03, 2003
CHANNEL 70 (STD)
REF -.9 dBmV
#AT 0 dB
MKR 502.155 MHz
-8.73 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 9.4 dB
MAIN
MENU
START 498.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 504.000 MHz
SWP 20.0 msec

TIME WARNER CABLE - - SYRACUSE DIVISION

Visual Carrier Level Variation Test

System Name: Rome / Oneida

Test Point Location: Mill Street, Camden

Date: January 3, 2003 **Performed by:** Joel Marmon

Meter Serial Number: US40306138

Chan	Freq (MHz)	Temp F 34 Time 16:15	31 22:15	29 4:15	30 10:15	Max Var
		Visual Level (dbmv)				
2	55.2500	15.2	15.0	15.0	15.1	0.2
3	61.2500	16.4	16.1	16.3	16.3	0.3
4	67.2500	15.8	15.5	15.6	15.6	0.3
5	77.2500	15.6	15.2	15.4	15.6	0.4
6	83.2500	15.0	14.8	14.9	15.0	0.2
A-5(95)	91.2500	15.6	15.4	15.5	15.5	0.2
A-4(96)	97.2500	14.4	14.0	14.0	14.4	0.4
A-3(97)	103.2500					
A-2(98)	109.2750					
A-1(99)	115.2750	13.8	13.6	13.6	13.8	0.2
A(14)	121.2625	14.2	13.9	13.7	14.0	0.5
B(15)	127.2625	14.6	14.5	14.5	14.8	0.3
C(16)	133.2625	13.2	12.9	12.8	13.1	0.4
D(17)	139.2500	13.2	13.1	13.1	13.2	0.1
E(18)	145.2500	13.3	13.0	13.1	13.3	0.3
F(19)	151.2500	12.0	11.3	11.7	11.9	0.7
G(20)	157.2500	12.9	13.3	13.1	13.4	0.5
H(21)	163.2500	14.9	14.8	14.9	15.1	0.3
I(22)	169.2500	13.9	13.6	13.5	13.7	0.4
7	175.2500	13.4	12.8	12.8	13.3	0.6
8	181.2500	13.4	13.6	13.5	13.7	0.3
9	187.2500	13.3	13.4	13.3	13.5	0.2
10	193.2500	13.3	13.2	13.2	13.0	0.3
11	199.2500	14.1	14.3	13.0	14.4	1.4
12	205.2500	11.8	11.9	11.8	11.9	0.1
13	211.2500	10.6	10.4	10.6	10.6	0.2
J(23)	217.2500	9.1	9.1	9.2	9.4	0.3
K(24)	223.2500	11.6	11.5	11.6	11.7	0.2
L(25)	229.2625	11.0	11.0	11.1	11.2	0.2
M(26)	235.2625	12.3	12.2	12.3	12.3	0.1
N(27)	241.2625	12.0	11.6	11.9	11.8	0.4
O(28)	247.2625	11.5	11.1	11.3	11.4	0.4
P(29)	253.2625	9.8	9.5	9.3	9.4	0.5
Q(30)	259.2625	10.9	11.2	11.0	11.0	0.3
R(31)	265.2625	10.1	10.3	10.0	10.1	0.3
S(32)	271.2625	11.4	11.5	11.3	11.6	0.3
T(33)	277.2625	11.7	11.9	11.9	12.1	0.4
U(34)	283.2625	10.5	10.5	10.4	10.6	0.2
V(35)	289.2625	11.1	11.0	11.1	11.1	0.1
W(36)	295.2625	10.3	10.2	10.1	10.3	0.2
AA(37)	301.2625	9.6	9.3	9.4	9.5	0.3
BB(38)	307.2625	8.9	8.6	8.7	8.8	0.3
CC(39)	313.2625	10.4	10.2	10.1	10.3	0.3
DD(40)	319.2625	10.5	10.6	10.5	10.0	0.6
EE(41)	325.2625	10.8	10.5	11.3	11.0	0.8
FF(42)	331.2750	10.6	10.7	10.1	10.7	0.6
GG(43)	337.2625	10.4	10.4	10.5	10.5	0.1
HH(44)	343.2625	10.5	10.4	10.4	10.4	0.1
II(45)	349.2625	10.0	10.1	10.0	10.1	0.1
JJ(46)	355.2625	9.9	10.0	9.9	9.8	0.2
KK(47)	361.2625	9.7	9.7	9.8	9.7	0.1
LL(48)	367.2625	10.7	10.9	10.7	10.6	0.3
MM(49)	373.2625	9.7	9.6	9.7	9.9	0.3
NN(50)	379.2625	9.8	9.6	9.9	9.8	0.3
OO(51)	385.2625	9.4	8.8	9.1	9.2	0.6
PP(52)	391.2625	9.8	9.6	9.7	9.6	0.2
QQ(53)	397.2625	8.0	8.0	8.1	8.1	0.1
RR(54)	403.2500	8.0	8.2	8.1	8.1	0.2
SS(55)	409.2500	8.1	8.2	8.4	8.4	0.3
TT(56)	415.2500	7.4	7.4	7.2	7.1	0.3
UU(57)	421.2500	7.9	8.1	8.2	8.1	0.3
VV(58)	427.2500	8.1	8.3	8.4	8.4	0.3
WW(59)	433.2500	8.5	8.6	8.8	8.7	0.3
XX(60)	439.2500	9.0	9.0	9.2	9.0	0.2
YY(61)	445.2500	10.3	10.5	10.4	10.4	0.2
ZZ(62)	451.2500	9.6	9.8	9.8	9.7	0.2
63	457.2500	10.0	9.9	10.0	9.9	0.1
64	463.2500	10.3	10.4	10.5	10.3	0.2
65	469.2500	10.1	10.2	10.2	10.0	0.2
66	475.2500	10.2	10.3	10.3	10.2	0.1
67	481.2500	10.3	10.4	10.4	10.2	0.2
68	487.2500	9.5	9.4	9.5	9.5	0.1
69	493.2500	10.7	10.7	10.7	10.7	0
70	499.2500	10.2	10.2	10.4	10.3	0.2
71	505.2500	9.9	10.0	10.1	10.1	0.2
72	511.2500	10.2	10.2	10.1	10.1	0.1
73	517.2500	10.4	10.6	10.6	10.6	0.2
74	523.2500	9.8	10.0	9.9	10.0	0.2
75	529.2500	10.0	10.2	10.2	10.3	0.3
76	535.2500	10.2	10.7	10.3	10.5	0.5
77	541.2500	10.0	10.5	10.3	10.5	0.5
78	547.2500	11.0	11.1	11.2	11.2	0.2
79	553.2500					
80	559.2500					
81	565.2500					

Max NonAdjacent Channel Level Diff. 9.2

Max Adjacent Channel Level Diff. 2.5

Max Variance from last proof-of-performance test 1.40

Date of last proof-of-performance test N/A

Note: Make measurements through a 100 ft. test drop cable without a converter

TIME WARNER CABLE -- SYRACUSE DIVISION

System Name:	**Rome / Oneida**
System Test Point #	4
Hub Name:	Rome
Location / Community:	Coal Hill Road, Taberg
Map Number:	479-5740
Pole Number:	NM 41-2
D.T. Value:	11/4
OR Number:	845
GNA Cascade:	5
LE Cascade:	2

TIME WARNER CABLE -- SYRACUSE DIVISION

Visual Carrier Level
Visual / Aural Level Difference
(at Test Point, at The End of a 100' Drop)

System Name: Rome / Oneida
Test Location: Coal Hill Road, Taberg
Date : January 6, 2003
Time : 14:30

Chan	Freq (MHz)	Visual Level (dbmv)		Aural Level (dbmv)	SC S	Diff (Dbmv)		Chan	Freq (MHz)	Visual Level (dbmv)		Aural Level (dbmv)	SC S	Diff (Dbmv)	
2	55.2500	19.6		6.9		12.7		DD(40)	319.2625	17.9		3.6		14.3	
3	61.2500	21.2		7.4		13.8		EE(41)	325.2625	16.5		3.8		12.7	
4	67.2500	21.5		7.8		13.7		FF(42)	331.2750	17.5		4.0		13.5	
5	77.2500	20.8		7.9		12.9		GG(43)	337.2625	17.8		6.2	S	11.6	
6	83.2500	20.1		6.5		13.6		HH(44)	343.2625	17.6		3.9		13.7	
A-5(95)	91.2500	19.9		5.4	S	14.5		II(45)	349.2625	18.3		6.2	S	12.1	
A-4(96)	97.2500	19.1		4.9		14.2		JJ(46)	355.2625	17.7		4.3		13.4	
A-3(97)	103.2500	N/A		N/A		N/A		KK(47)	361.2625	17.8		4.4		13.4	
A-2(98)	109.2750	N/A		N/A		N/A		LL(48)	367.2625	18.6		5.4		13.2	
A-1(99)	115.2750	19.5		5.5		14.0		MM(49)	373.2625	18.6		4.7		13.9	
A(14)	121.2625	19.4		7.2		12.2		NN(50)	379.2625	18.8		5.4		13.4	
B(15)	127.2625	19.3		6.2		13.1		OO(51)	385.2625	19.3		6.2	S	13.1	
C(16)	133.2625	19.5		6.0		13.5		PP(52)	391.2625	19.2		6.1	S	13.1	
D(17)	139.2500	19.0		6.1	S	12.9		QQ(53)	397.2625	19.5		5.2	S	14.3	
E(18)	145.2500	19.3		5.2		14.1		RR(54)	403.2500	18.7		5.9	S	12.8	
F(19)	151.3210	18.3		4.1		14.2		SS(55)	409.2500	18.4		5.1	SS	13.3	
G(20)	157.2500	19.6		5.1		14.5		TT(56)	415.2500	18.5		8.0		10.5	
H(21)	163.2500	20.1		7.5		12.6		UU(57)	421.2500	18.7		6.1		12.6	
I(22)	169.2500	20.1		6.0		14.1		VV(58)	427.2500	17.8		3.7		14.1	
7	175.2500	20.3		6.8		13.5		WW(59)	433.2500	17.3		3.4	S	13.9	
8	181.2500	20.4		6.0		14.4		XX(60)	439.2500	17.9		7.2		10.7	
9	187.2500	20.6		6.0		14.6		YY(61)	445.2500	17.9		1.3	S	16.6	
10	193.2500	20.1		5.9		14.2		ZZ(62)	451.2500	17.2		4.0	S	13.2	
11	199.2500	19.3		5.6		13.7		63	457.2500	17.4		2.7	S	14.7	
12	205.2500	19.9		7.7		12.2		64	463.2500	17.6		2.6	S	15.0	
13	211.2500	19.5		5.4		14.1		65	469.2500	17.1		2.8	S	14.3	
J(23)	217.2500	18.4		4.5	S	13.9		66	475.2500	17.2		2.6	S	14.6	
K(24)	223.2500	19.7		5.2		14.5		67	481.2500	17.2		3.0	S	14.2	
L(25)	229.2625	19.2		7.1		12.1		68	487.2500	17.1		3.9	S	13.2	
M(26)	235.2625	17.6		4.8		12.8		69	493.2500	18.1		3.9	S	14.2	
N(27)	241.2625	17.7		3.9		13.8		70	499.2500	17.7		5.4	S	12.3	
O(28)	247.2625	17.5		2.8		14.7		71	505.2500	18.0		4.2	S	13.8	
P(29)	253.2625	17.2		3.4		13.8		72	511.2500	18.3		3.7	S	14.6	
Q(30)	259.2625	18.0		3.6		14.4		73	517.2500	18.6		6.1	S	12.5	
R(31)	265.2625	17.3		3.9		13.4		74	523.2500	18.5		4.3	S	14.2	
S(32)	271.2625	17.3		5.3		12.0		75	529.2500	18.7		4.0	S	14.7	
T(33)	277.2625	17.3		3.9		13.4		76	535.2500	18.8		5.9	S	12.9	
U(34)	283.2625	16.9		3.1		13.8		77	541.2500	17.9		5.0	S	12.9	
V(35)	289.2625	17.2		3.6		13.6		78	547.2500	19.5		5.8	S	13.7	
W(36)	295.2625	17.1		4.4		12.7		79	553.2500	N/A		N/A		N/A	
AA(37)	301.2625	17.4		3.0		14.4		80	559.2500	N/A		N/A		N/A	
BB(38)	307.2625	18.0		3.5		14.5		81	565.2500	N/A		N/A		N/A	
CC(39)	313.2625	18.5		4.4		14.1									

Min Channel :-	EE(41)	16.5
Max Channel :-	4	21.5

PEAK TO VALLEY: 5.00

Test Point # 4

TIME WARNER CABLE -- SYRACUSE DIVISION

IN CHANNEL RESPONSE Test
CARRIER - TO - NOISE Test
COHERENT DISTURBANCES Test
LOW FREQUENCY DISTURBANCES Test

System Name: Rome / Oneida

Date: January 6, 2003

Test Performed By: Joel Marmon

Location: Coal Hill Road, Taberg

Note: ***Make measurements through a 100 ft. test drop cable without converter.***

Channel Number	In Channel Response (+/- dB)	Carrier To Noise Ratio (dB)	Distortions (-dBc) CTB	CSO	HUM (%)
3	0.2	48.2	71.1	76.6	
19	0.1	49.2	69.8	74.5	
7	0.2	49.5	70.2	75.3	
31	0.3	47.8	65.7	72.4	
36	0.2	48.6	67.7	70.3	
43	0.2	48.9	65.9	70.2	
47	0.1	48.5	67.6	69.5	
55	0.3	49.0	66.9	69.6	
70	0.3	47.9	63.7	68.7	0.8

TIME WARNER CABLE -- SYRACUSE DIVISION

IN - CHANNEL FREQUENCY RESPONSE TEST

(76.605) (a) (6)

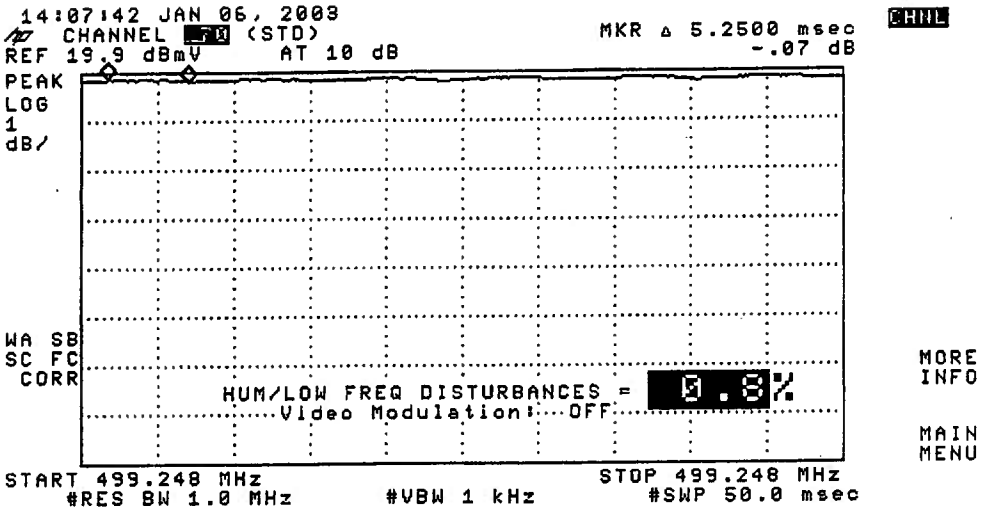
System Name: **Rome / Oneida**

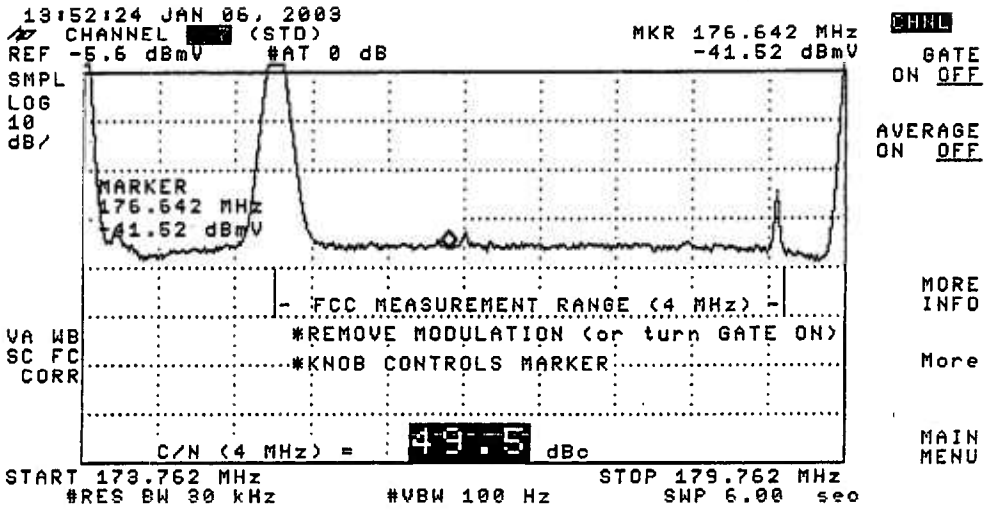
Date: 6-Jan-03

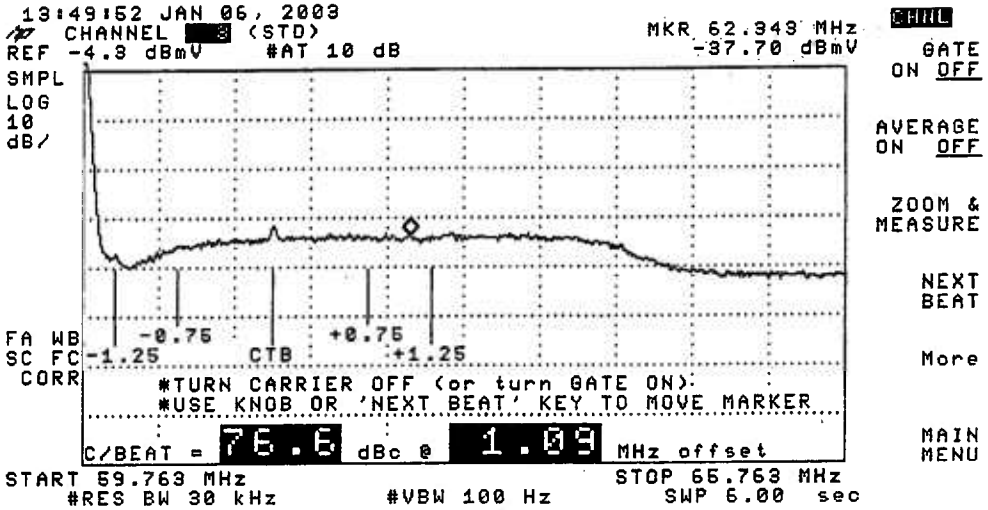
Test Performed By: Joel Marmon

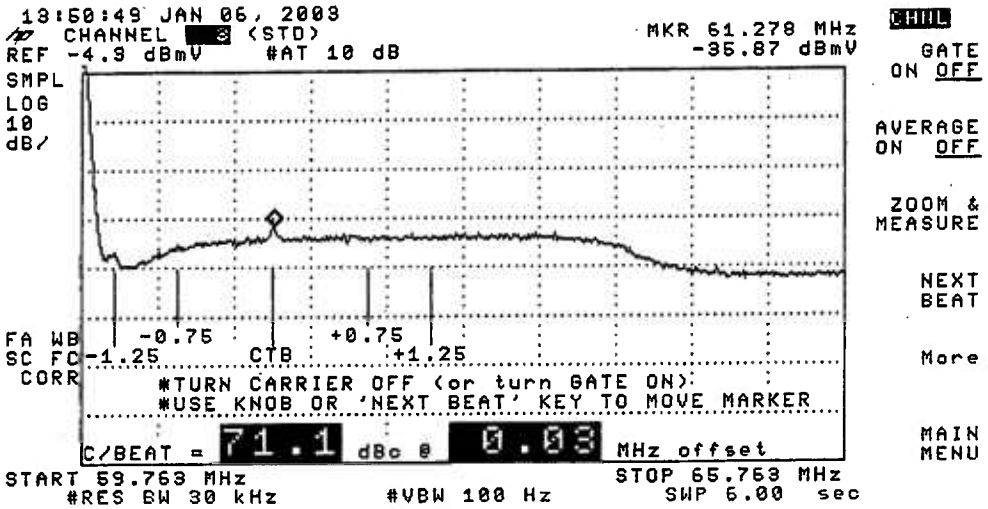
Location: Coal Hill Road, Taberg

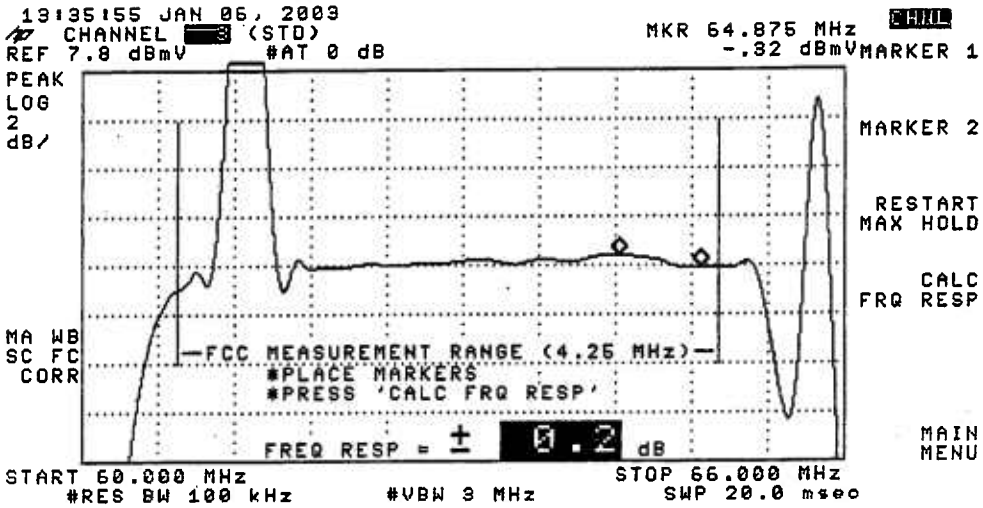
(SEE THE ATTATCHED SWEEP TRACES)

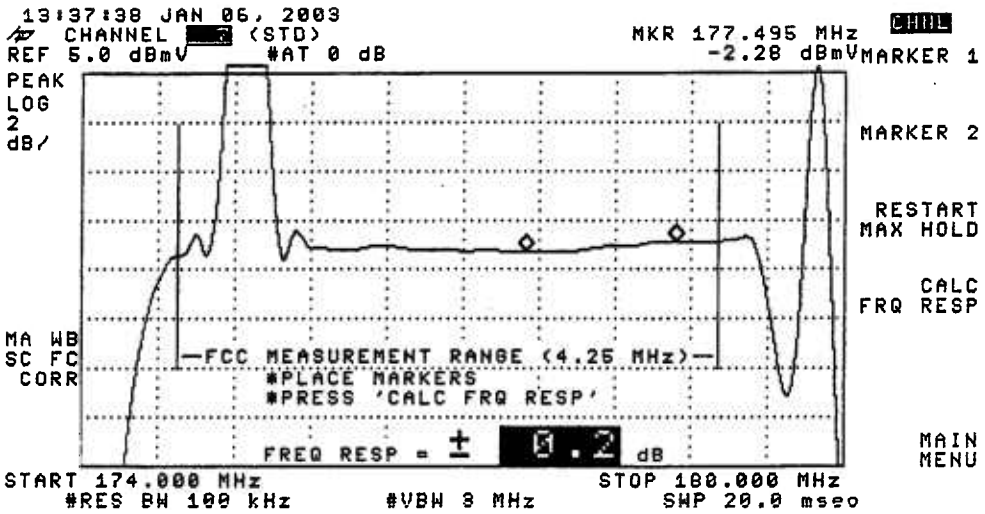

14:07:42 JAN 06, 2003
CHANNEL 58 (STD)
REF 19.9 dBmV
AT 10 dB
MKR Δ 5.2500 msec
-.07 dB
CHNL
PEAK
LOG
1
dB/
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = 0.8%
Video Modulation: OFF
MORE
INFO
MAIN
MENU
START 499.248 MHz
#RES BW 1.0 MHz
#VBW 1 kHz
STOP 499.248 MHz
#SWP 50.0 msec

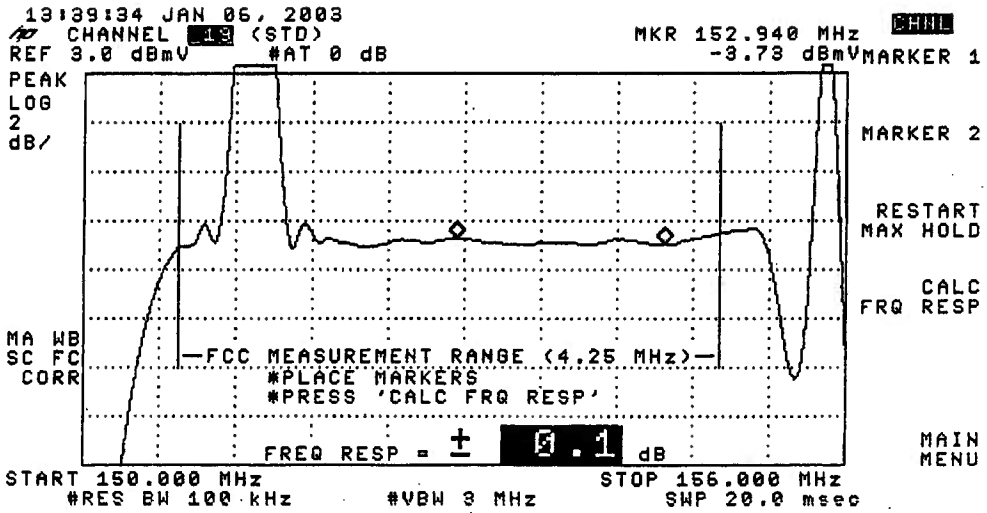

13:52:24 JAN 06, 2003
CHANNEL [redacted] (STD)
REF -5.6 dBmV
#AT 0 dB
MKR 176.642 MHz
-41.52 dBmV
CHNL
GATE
ON OFF
SMPL
LOG
10
dB/
AVERAGE
ON OFF
MARKER
176.642 MHz
-41.52 dBmV
- FCC MEASUREMENT RANGE (4 MHz) -
MORE
INFO
VA WB
SC FC
CORR
*REMOVE MODULATION (or turn GATE ON)
*KNOB CONTROLS MARKER
More
C/N (4 MHz) =
49.5
dBc
MAIN
MENU
START 173.762 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 179.762 MHz
SWP 6.00 sec

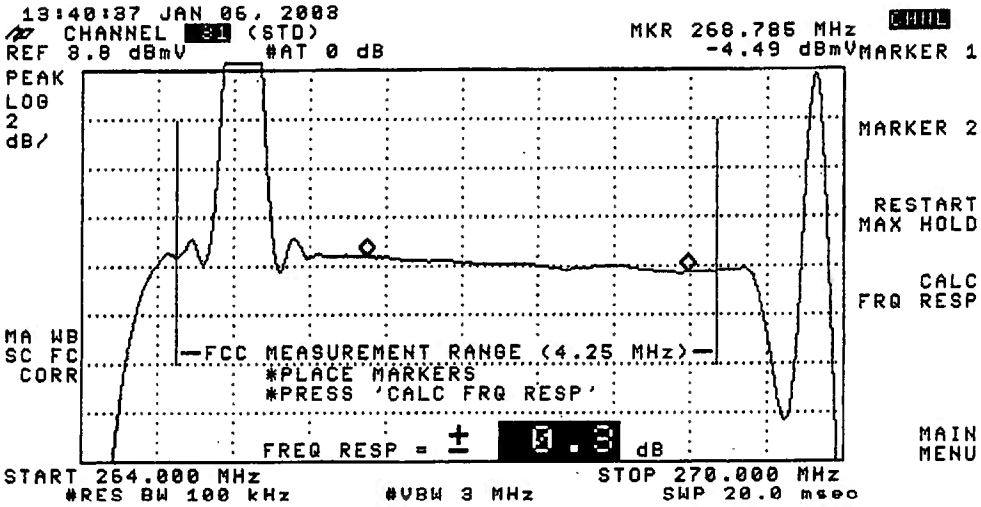

13:49:52 JAN 06, 2003
CHANNEL 3 (STD)
REF -4.3 dBmV
#AT 10 dB
MKR 62.343 MHz
-37.70 dBmV
CHNL
GATE
ON OFF
SMPL
LOG
10
dB/
AVERAGE
ON OFF
ZOOM &
MEASURE
NEXT
BEAT
FA WB
SC FC
CORR
-0.75
+0.75
-1.25
CTB
+1.25
More
#TURN CARRIER OFF (or turn GATE ON):
#USE KNOB OR 'NEXT BEAT' KEY TO MOVE MARKER
C/BEAT = 76.6 dBc @ 1.09 MHz offset
MAIN
MENU
START 59.763 MHz
STOP 65.763 MHz
#RES BW 30 kHz
#VBW 100 Hz
SWP 6.00 sec

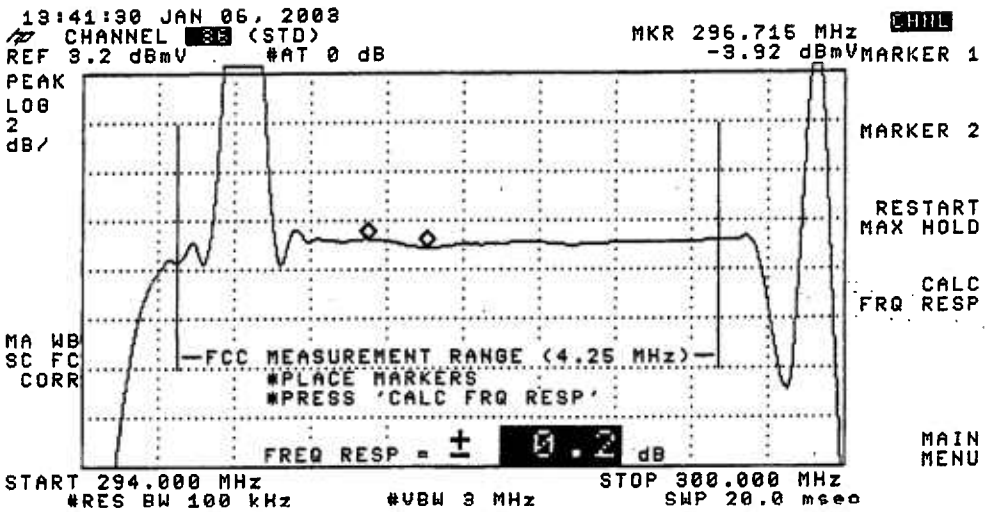

13:50:49 JAN 06, 2003
CHANNEL 3 (STD)
REF -4.9 dBmV
#AT 10 dB
MKR 61.278 MHz
-35.87 dBmV
CHNL
GATE ON OFF
AVERAGE ON OFF
ZOOM & MEASURE
NEXT BEAT
More
MAIN MENU
SMPL
LOG
10
dB/
FA WB
SC FC
CORR
-0.75
+0.75
-1.25
CTB
+1.25
#TURN CARRIER OFF (or turn GATE ON)
#USE KNOB OR 'NEXT BEAT' KEY TO MOVE MARKER
C/BEAT = 71.1 dBc @ 0.03 MHz offset
START 59.763 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 65.763 MHz
SWP 6.00 sec

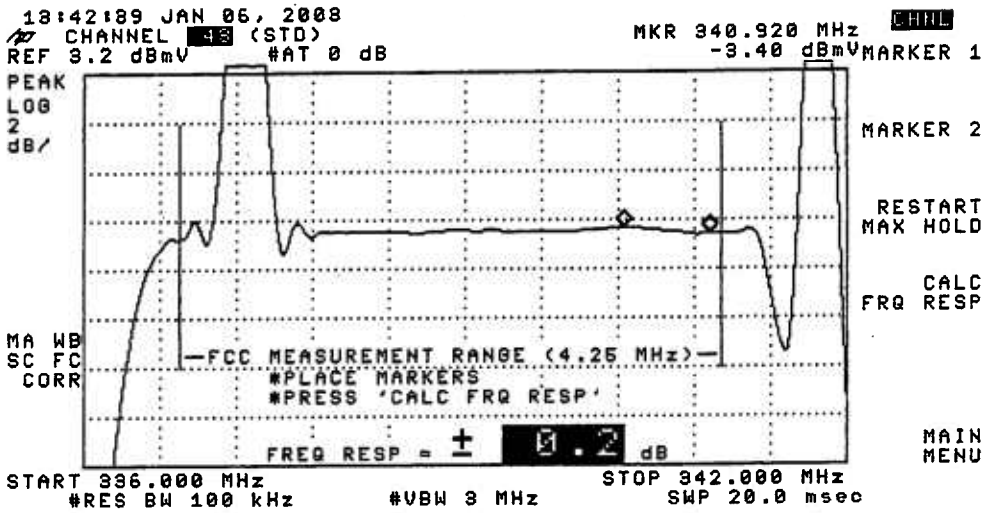

13:35:55 JAN 06, 2003
CHANNEL 3 (STD)
REF 7.8 dBmV
#AT 0 dB
MKR 64.875 MHz
-.32 dBmV
CH11
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 60.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 66.000 MHz
SWP 20.0 msec

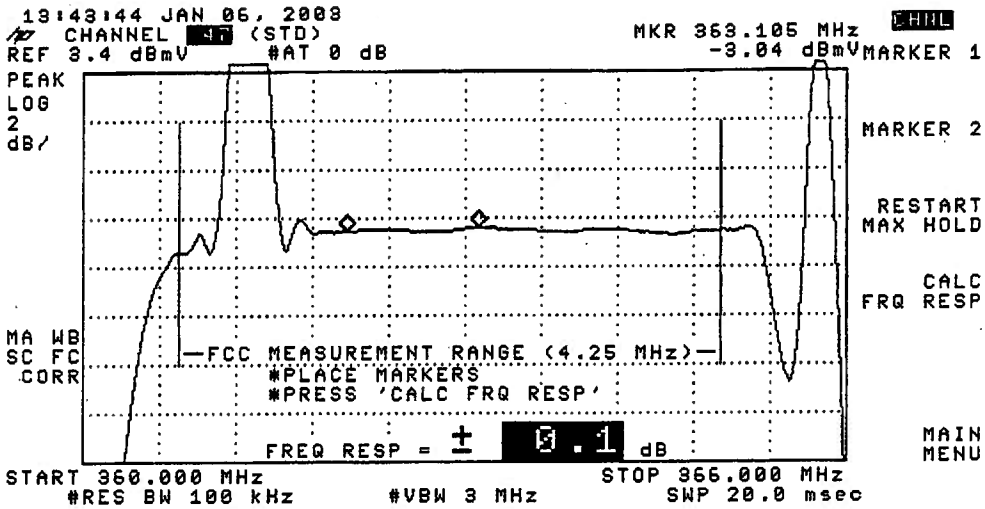

13:37:38 JAN 06, 2003
CHANNEL [redacted] (STD)
REF 5.0 dBmV
#AT 0 dB
MKR 177.495 MHz
-2.28 dBmV
CHRL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 174.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 180.000 MHz
SWP 20.0 msec

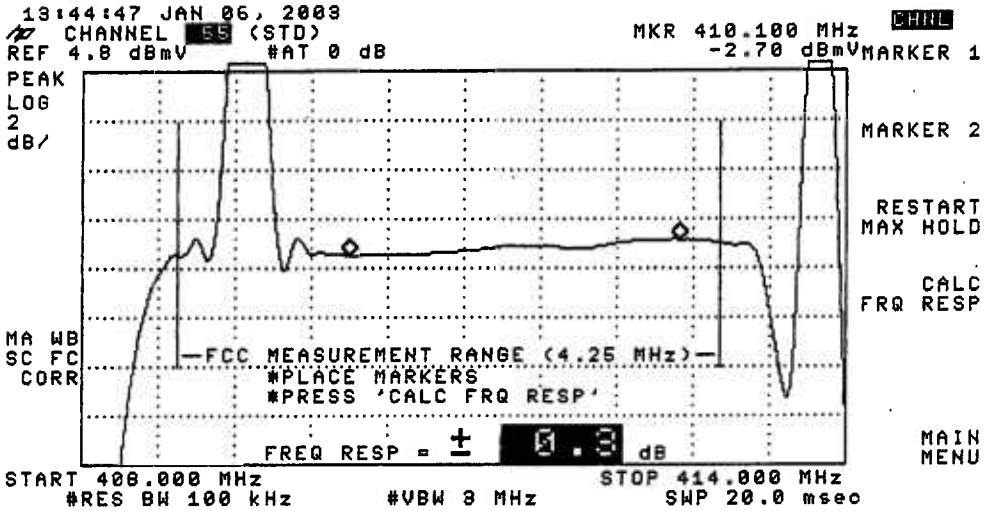

13:39:34 JAN 06, 2003
CHANNEL 13 (STD)
REF 3.0 dBmV
#AT 0 dB
MKR 152.940 MHz
-3.73 dBmV
CHRL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.1 dB
MAIN
MENU
START 150.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 156.000 MHz
SWP 20.0 msec

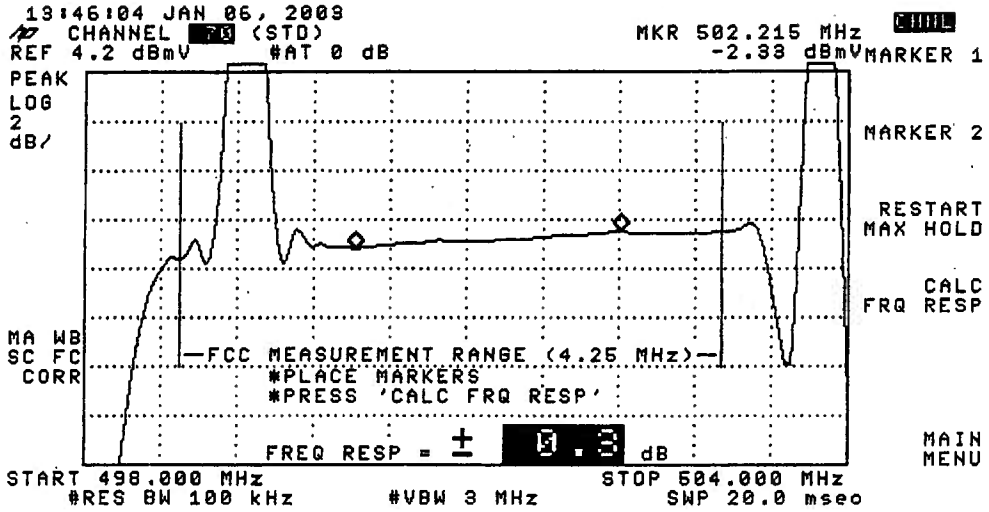

13:40:37 JAN 06, 2008
CHANNEL 31 (STD)
REF 8.8 dBmV
#AT 0 dB
MKR 268.785 MHz
-4.49 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 264.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 270.000 MHz
SWP 20.0 msec


13:41:30 JAN 06, 2008
CHANNEL 38 (STD)
REF 3.2 dBmV
#AT 0 dB
MKR 296.715 MHz
-3.92 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 294.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 300.000 MHz
SWP 20.0 msec


18:42:89 JAN 06, 2008
CHANNEL 43 (STD)
REF 3.2 dBmV
#AT 0 dB
MKR 340.920 MHz
-3.40 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 336.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 342.000 MHz
SWP 20.0 msec


13:43:44 JAN 06, 2008
CHANNEL 47 (STD)
REF 3.4 dBmV
#AT 0 dB
MKR 363.105 MHz
-3.04 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.1 dB
MAIN
MENU
START 360.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 366.000 MHz
SWP 20.0 msec


13:44:47 JAN 06, 2003
CHANNEL 55 (STD)
REF 4.8 dBmV
#AT 0 dB
MKR 410.100 MHz
-2.70 dBmV
CHRL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 408.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 414.000 MHz
SWP 20.0 msec


13:46:04 JAN 06, 2009
CHANNEL 70 (STD)
REF 4.2 dBmV
#AT 0 dB
MKR 502.215 MHz
-2.33 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 498.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 504.000 MHz
SWP 20.0 mseo

TIME WARNER CABLE - - SYRACUSE DIVISION

Visual Carrier Level Variation Test

System Name: Rome / Oneida

Test Point Location: Coal Hill Road, Taberg

Date: January 6, 2003 **Performed by:** Joel Marmon

Meter Serial Number: US40306138

Chan	Freq (MHz)	Temp °F 34	30	24	8	Max Var.
		Time 14:30	20:30	2:30	8:30	
		Visual Level (dbmV)				
2	55.2500	19.6	19.5	19.9	20.3	0.8
3	61.2500	21.2	21.5	21.5	21.6	0.4
4	67.2500	21.5	21.6	21.8	22.1	0.6
5	77.2500	20.8	21.1	21.5	21.7	0.9
6	83.2500	20.1	20.4	20.8	21.1	1
A-5(95)	91.2500	19.9	20.3	20.0	21.0	1.1
A-4(96)	97.2500	19.1	19.5	19.5	20.2	1.1
A-3(97)	103.2500					
A-2(98)	109.2750					
A-1(99)	115.2750	19.5	20.1	19.8	20.4	0.9
A(14)	121.2625	19.4	19.6	19.8	20.2	0.8
B(15)	127.2625	19.3	19.7	19.6	20.2	0.9
C(16)	133.2625	19.5	19.8	20.0	20.3	0.8
D(17)	139.2500	19.0	19.6	19.8	20.2	1.2
E(18)	145.2500	19.3	19.6	19.9	20.4	1.1
F(19)	151.2500	18.3	18.7	18.7	19.2	0.9
G(20)	157.2500	19.6	19.7	19.8	20.1	0.5
H(21)	163.2500	20.1	20.4	20.9	21.1	1
I(22)	169.2500	20.1	20.6	21.0	21.5	1.4
7	175.2500	20.3	20.6	20.8	21.3	1
8	181.2500	20.4	20.8	21.0	21.1	0.7
9	187.2500	20.6	20.9	21.3	21.8	1.2
10	193.2500	20.1	20.6	20.5	20.9	0.8
11	199.2500	19.3	19.9	20.2	20.9	1.6
12	205.2500	19.9	20.3	20.7	21.5	1.6
13	211.2500	19.5	20.1	20.5	20.9	1.4
J(23)	217.2500	18.4	19.0	19.3	19.1	0.9
K(24)	223.2500	19.7	20.2	20.5	20.9	1.2
L(25)	229.2625	19.2	19.8	20.1	20.7	1.5
M(26)	235.2625	17.6	18.1	18.3	20.4	2.8
N(27)	241.2625	17.7	18.4	18.7	18.7	1
O(28)	247.2625	17.5	18.1	18.3	18.8	1.3
P(29)	253.2625	17.2	17.7	18.0	18.6	1.4
Q(30)	259.2625	18.0	18.4	18.5	19.1	1.1
R(31)	265.2625	17.3	17.7	18.2	17.4	0.9
S(32)	271.2625	17.3	17.8	18.3	18.9	1.6
T(33)	277.2625	17.3	17.7	18.2	18.7	1.4
U(34)	283.2625	16.9	17.5	18.0	18.7	1.8
V(35)	289.2625	17.2	17.7	18.0	18.8	1.6
W(36)	295.2625	17.1	17.6	18.2	18.7	1.6
AA(37)	301.2625	17.4	17.8	18.4	19.3	1.9
BB(38)	307.2625	18.0	18.5	18.9	19.8	1.8
CC(39)	313.2625	18.5	18.9	19.3	20.0	1.5
DD(40)	319.2625	17.9	18.6	19.0	19.8	1.9
EE(41)	325.2625	16.5	17.5	17.9	18.3	1.8
FF(42)	331.2750	17.5	18.0	18.3	18.7	1.2
GG(43)	337.2625	17.8	18.8	19.3	20.1	2.3
HH(44)	343.2625	17.6	18.0	18.6	19.4	1.8
II(45)	349.2625	18.3	18.9	19.1	20.1	1.8
JJ(46)	355.2625	17.7	18.6	18.5	19.7	2
KK(47)	361.2625	17.8	18.5	18.8	19.5	1.7
LL(48)	367.2625	18.6	19.2	19.5	20.3	1.7
MM(49)	373.2625	18.6	19.3	19.6	20.2	1.6
NN(50)	379.2625	18.8	19.2	19.7	20.5	1.7
OO(51)	385.2625	19.3	19.4	19.8	20.3	1
PP(52)	391.2625	19.2	19.9	20.4	21.3	2.1
QQ(53)	397.2625	19.5	20.0	20.5	21.4	1.9
RR(54)	403.2500	18.7	19.6	20.0	20.8	2.1
SS(55)	409.2500	18.4	19.2	19.7	20.6	2.2
TT(56)	415.2500	18.5	19.3	19.6	20.6	2.1
UU(57)	421.2500	18.7	19.5	20.0	21.0	2.3
VV(58)	427.2500	17.8	18.9	19.1	20.3	2.5
WW(59)	433.2500	17.3	18.3	18.7	19.7	2.4
XX(60)	439.2500	17.9	18.6	19.1	20.1	2.2
YY(61)	445.2500	17.9	18.9	19.3	20.2	2.3
ZZ(62)	451.2500	17.2	18.1	18.7	19.6	2.4
63	457.2500	17.4	18.3	18.8	19.7	2.3
64	463.2500	17.6	18.5	18.9	19.8	2.2
65	469.2500	17.1	18.0	18.5	19.4	2.3
66	475.2500	17.2	18.2	18.5	19.5	2.3
67	481.2500	17.2	17.9	18.5	19.4	2.2
68	487.2500	17.1	17.9	18.5	19.3	2.2
69	493.2500	18.1	18.9	19.4	20.3	2.2
70	499.2500	17.7	18.6	19.1	20.1	2.4
71	505.2500	18.0	18.7	19.3	20.3	2.3
72	511.2500	18.3	19.3	19.7	20.8	2.5
73	517.2500	18.6	19.3	19.8	21.0	2.4
74	523.2500	18.5	19.1	19.7	20.9	2.4
75	529.2500	18.7	19.3	19.8	21.1	2.4
76	535.2500	18.8	19.4	19.8	21.1	2.3
77	541.2500	17.9	18.9	19.6	20.4	2.5
78	547.2500	19.5	20.3	20.8	22.0	2.5
79	553.2500					
80	559.2500					
81	565.2500					

Max NonAdjacent Channel Level Diff.	5	
Max Adjacent Channel Level Diff.	2	
Max Variance from last proof-of-performance test	2.80	
Date of last proof-of-performance test		N/A

Note: Make measurements through a 100 ft. test drop cable without a converter

Testpoint # 4

TIME WARNER CABLE -- SYRACUSE DIVISION

System Name:	**Rome / Oneida**
System Test Point #	5
Hub Name:	Rome
Location / Community:	Verona Mills Road, Rome
Map Number:	494-5688
Pole Number:	NM 19
D.T. Value:	17/4
OR Number:	855
GNA Cascade:	7
LE Cascade:	0

TIME WARNER CABLE -- SYRACUSE DIVISION

Visual Carrier Level
Visual / Aural Level Difference
(at Test Point, at The End of a 100' Drop)

System Name: Rome/Oneida
Test Location Verona Mills Road, Rome
Date : January 6, 2003
Time : 16:30

Chan	Freq (Mhz)	Visual Level (dbmv)		Aural Level (dbmv)	SC/S	Diff (Dbmv)		Chan	Freq (MHz)	Visual Level (dbmv)		Aural Level (dbmv)	SC/S	Diff (Dbmv)	
2	55.2500	16.7		3.3		13.4		DD(40)	319.2625	14.7		0.0		14.7	
3	61.2500	16.8		2.3		14.5		EE(41)	325.2625	13.3		0.9		12.4	
4	67.2500	16.2		2.2		14.0		FF(42)	331.2750	14.1		0.9		13.2	
5	77.2500	15.3		2.4		12.9		GG(43)	337.2625	14.8		2.9	S	11.9	
6	83.2500	13.9		1.1		12.8		HH(44)	343.2625	14.7		0.3		14.4	
A-5(95)	91.2500	14.3		0.0	S	14.3		II(45)	349.2625	14.8		2.4	S	12.4	
A-4(96)	97.2500	14.1		3.1		11.0		JJ(46)	355.2625	14.1		0.5		13.6	
A-3(97)	103.2500	N/A		N/A		N/A		KK(47)	361.2625	13.6		0.8		12.8	
A-2(98)	109.2750	N/A		N/A		N/A		LL(48)	367.2625	14.7		1.3		13.4	
A-1(99)	115.2750	13.8		0.7		13.1		MM(49)	373.2625	14.2		0.4		13.8	
A(14)	121.2625	14.1		2.3		11.8		NN(50)	379.2625	14.7		1.3		13.4	
B(15)	127.2625	14.1		0.9		13.2		OO(51)	385.2625	14.0		0.1	S	13.9	
C(16)	133.2625	13.8		0.2		13.6		PP(52)	391.2625	15.1		2.5	S	12.6	
D(17)	139.2500	13.3		0.9	S	12.4		QQ(53)	397.2625	15.5		2.0	S	13.5	
E(18)	145.2500	14.5		1.0		13.5		RR(54)	403.2500	15.5		2.4	S	13.1	
F(19)	151.3210	13.4		-1.0		14.4		SS(55)	409.2500	15.2		1.7	S	13.5	
G(20)	157.2500	14.8		0.0		14.8		TT(56)	415.2500	15.0		4.9		10.1	
H(21)	163.2500	14.9		3.0		11.9		UU(57)	421.2500	15.2		2.7		12.5	
I(22)	169.2500	15.8		1.6		14.2		VV(58)	427.2500	14.3		0.8		13.5	
7	175.2500	15.8		3.0		12.8		WW(59)	433.2500	14.7		0.1	S	14.6	
8	181.2500	16.1		1.9		14.2		XX(60)	439.2500	14.4		4.1		10.3	
9	187.2500	15.9		2.0		13.9		YY(61)	445.2500	14.5		3.6		10.9	
10	193.2500	16.1		1.8		14.3		ZZ(62)	451.2500	13.9		1.2	S	12.7	
11	199.2500	15.3		1.4		13.9		63	457.2500	14.1		-0.5	S	14.6	
12	205.2500	15.5		3.5		12.0		64	463.2500	14.5		-0.7	S	15.2	
13	211.2500	15.3		4.2		11.1		65	469.2500	14.2		-0.9	S	15.1	
J(23)	217.2500	14.5		0.6	S	13.9		66	475.2500	14.1		-0.9	S	15.0	
K(24)	223.2500	15.8		0.5		15.3		67	481.2500	13.9		-0.1	S	14.0	
L(25)	229.2625	14.6		4.0		10.6		68	487.2500	13.7		0.3	S	13.4	
M(26)	235.2625	14.5		1.5		13.0		69	493.2500	14.5		0.0	S	14.5	
N(27)	241.2625	14.1		1.5		12.6		70	499.2500	14.2		1.4	S	12.8	
O(28)	247.2625	14.7		0.7		14.0		71	505.2500	14.0		0.2	S	13.8	
P(29)	253.2625	14.6		0.7		13.9		72	511.2500	14.2		0.0	S	14.2	
Q(30)	259.2625	15.2		0.6		14.6		73	517.2500	14.8		2.3	S	12.5	
R(31)	265.2625	14.6		1.8		12.8		74	523.2500	14.8		1.0	S	13.8	
S(32)	271.2625	14.9		2.9		12.0		75	529.2500	15.5		0.7	S	14.8	
T(33)	277.2625	14.7		2.1		12.6		76	535.2500	15.8		2.6	S	13.2	
U(34)	283.2625	14.8		0.3		14.5		77	541.2500	14.8		1.6	S	13.2	
V(35)	289.2625	14.2		0.5		13.7		78	547.2500	15.6		2.0	S	13.6	
W(36)	295.2625	14.4		0.9		13.5		79	553.0000	N/A		N/A		N/A	
AA(37)	301.2625	13.9		0.3		13.6		80	559.0000	N/A		N/A		N/A	
BB(38)	307.2625	14.3		0.2		14.1		81	565.0000	N/A		N/A		N/A	
CC(39)	313.2625	14.6		1.0		13.6									

Min Channel :- D(17) 13.3
Max Channel :- 3 16.8

PEAK TO VALLEY: 3.50

Test Point # 5

TIME WARNER CABLE -- SYRACUSE DIVISION

IN CHANNEL RESPONSE Test
CARRIER - TO - NOISE Test
COHERENT DISTURBANCES Test
LOW FREQUENCY DISTURBANCES Test

System Name: **Rome / Oneida**

Date: January 6, 2003

Test Performed By: Joel Marmon

Location: Verona Mills Road, Rome

Note: ***Make measurements through a 100 ft. test drop cable without converter.***

Channel Number	In Channel Response (+/- dB)	Carrier To Noise Ratio (dB)	Distortions (-dBc) CTB	CSO	HUM (%)
3	0.5	48.5	71.8	75.2	
19	0.4	47.1	68.6	74.4	
7	0.4	47.7	70.6	75.4	
31	0.6	47.0	66.0	70.7	
36	0.4	47.5	63.9	70.4	
43	0.4	47.9	65.5	71.1	
47	0.3	47.3	64.7	68.3	
55	0.4	48.4	67.7	73.1	
70	0.4	48.1	62.7	71.9	0.7

TIME WARNER CABLE -- SYRACUSE DIVISION

IN - CHANNEL FREQUENCY RESPONSE TEST

(76.605) (a) (6)

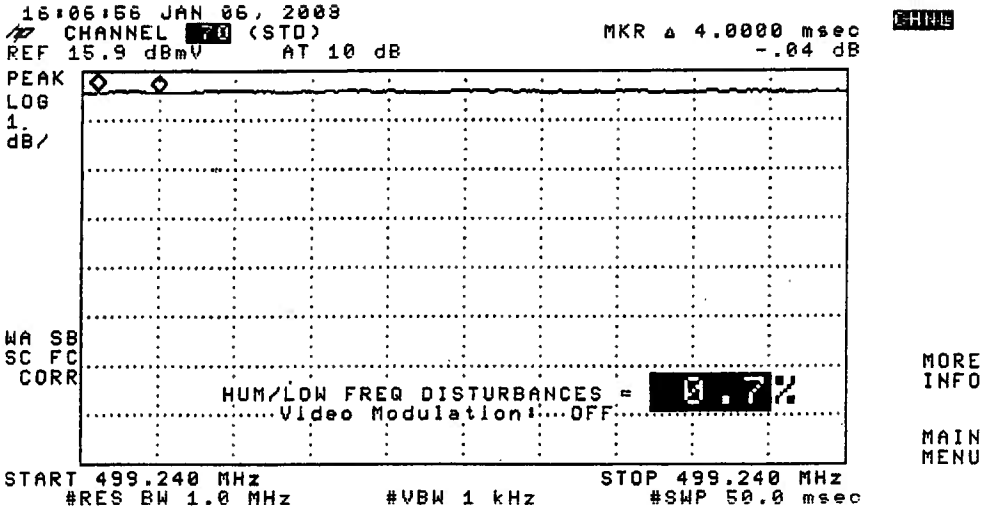
System Name: **Rome / Oneida**

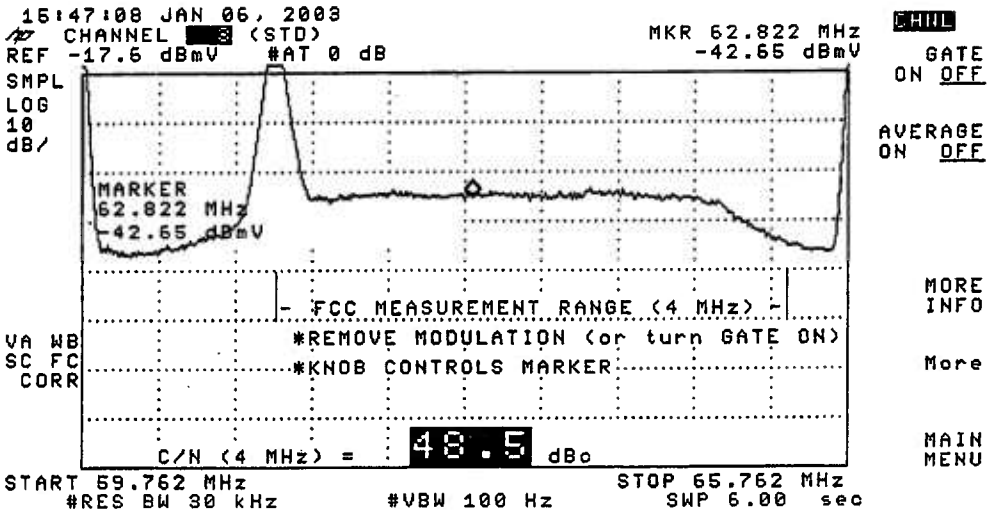
Date: 6-Jan-03

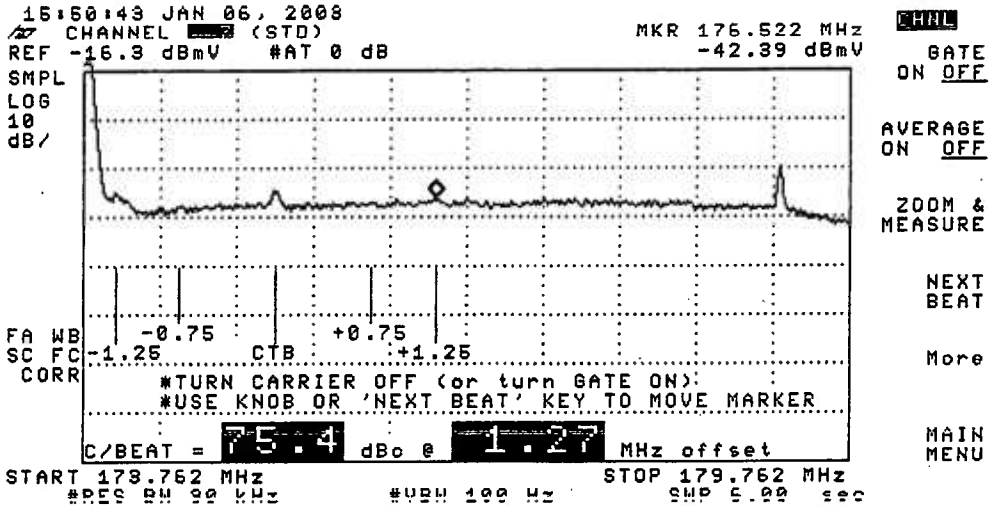
Test Performed By: Joel Marmon

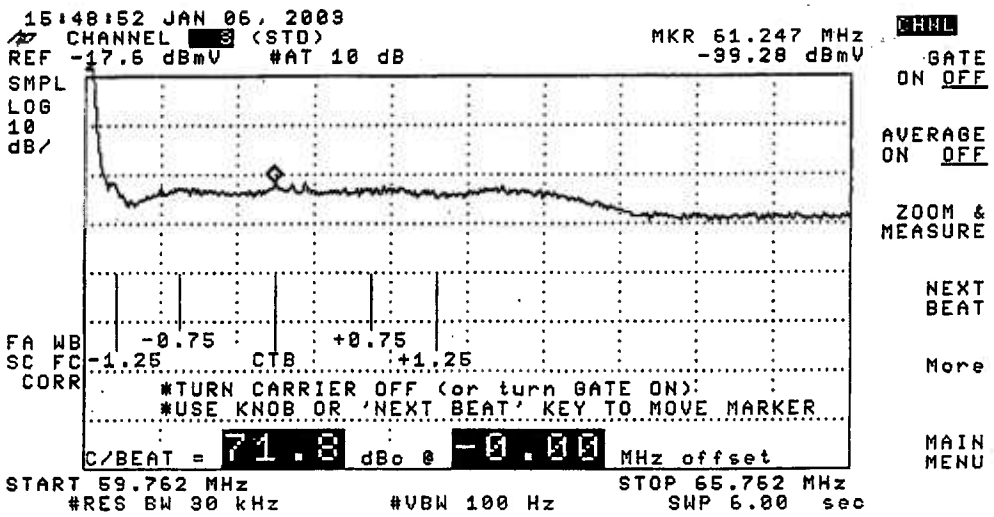
Location: Verona Mills Road, Rome

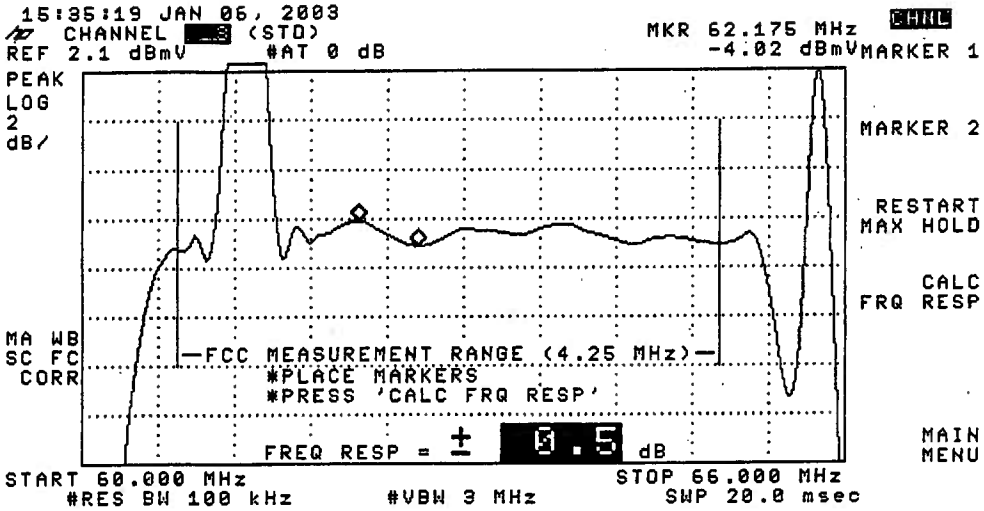
(SEE THE ATTATCHED SWEEP TRACES)

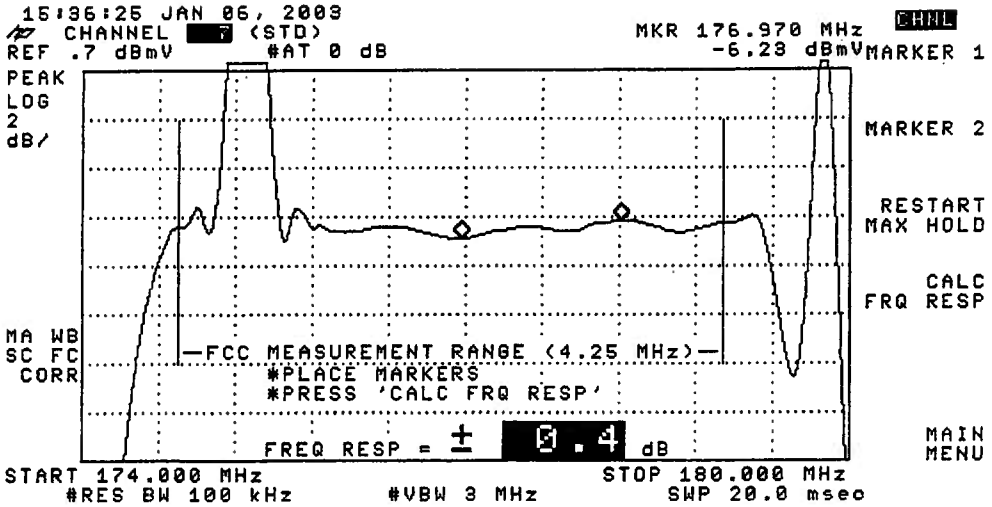

16:06:56 JAN 06, 2008
CHANNEL 70 (STD)
MKR Δ 4.0000 msec
-.04 dB
CHNL
REF 15.9 dBmV
AT 10 dB
PEAK
LOG
1.
dB/
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = 0.7%
Video Modulation: OFF
MORE
INFO
MAIN
MENU
START 499.240 MHz
#RES BW 1.0 MHz
#VBW 1 kHz
STOP 499.240 MHz
#SWP 50.0 msec

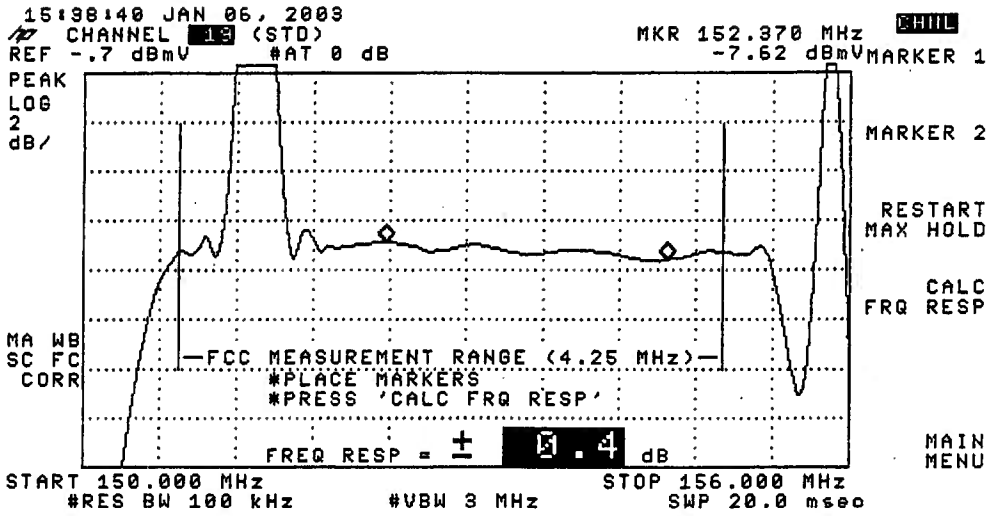

15:47:08 JAN 06, 2003
CHANNEL 3 (STD)
REF -17.6 dBmV
#AT 0 dB
MKR 62.822 MHz
-42.65 dBmV
CHNL
GATE
ON OFF
SMPL
LOG
10
dB/
AVERAGE
ON OFF
MARKER
62.822 MHz
-42.65 dBmV
- FCC MEASUREMENT RANGE (4 MHz) -
MORE
INFO
VA WB
SC FC
CORR
*REMOVE MODULATION (or turn GATE ON)
*KNOB CONTROLS MARKER
More
C/N (4 MHz) =
48.5
dBo
MAIN
MENU
START 59.762 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 65.762 MHz
SWP 6.00 sec

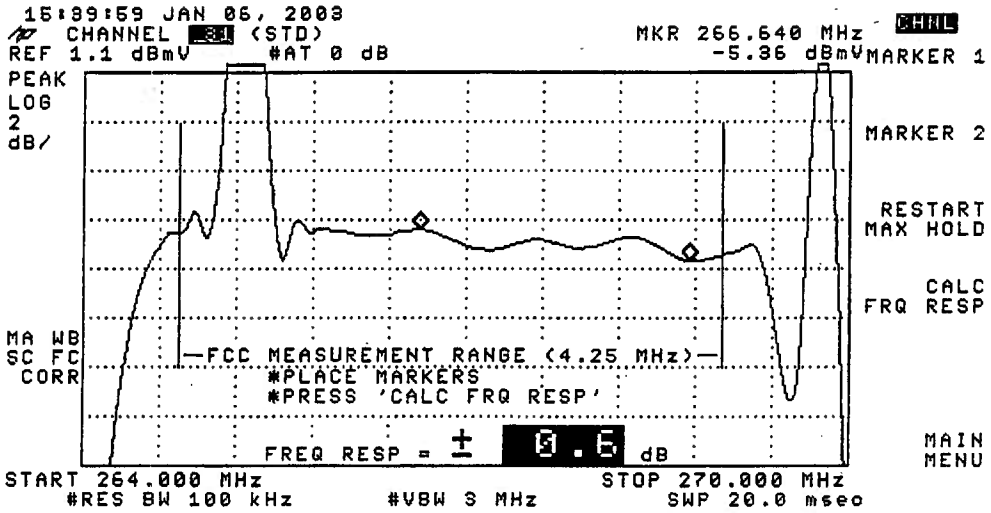

15:50:43 JAN 06, 2008
CHANNEL (STD)
REF -16.3 dBmV #AT 0 dB
MKR 176.522 MHz
-42.39 dBmV
CHNL
SMPL
LOG
10
dB/
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
NEXT
BEAT
FA WB
SC FC
CORR
-0.75
+0.75
-1.25
CTB
+1.25
More
#TURN CARRIER OFF (or turn GATE ON)
#USE KNOB OR 'NEXT BEAT' KEY TO MOVE MARKER
C/BEAT = 75.4 dBc @ 1.27 MHz offset
MAIN
MENU
START 173.762 MHz
STOP 179.762 MHz
#RES BW 30 kHz
#VBW 100 Hz
SWP 5.00 sec

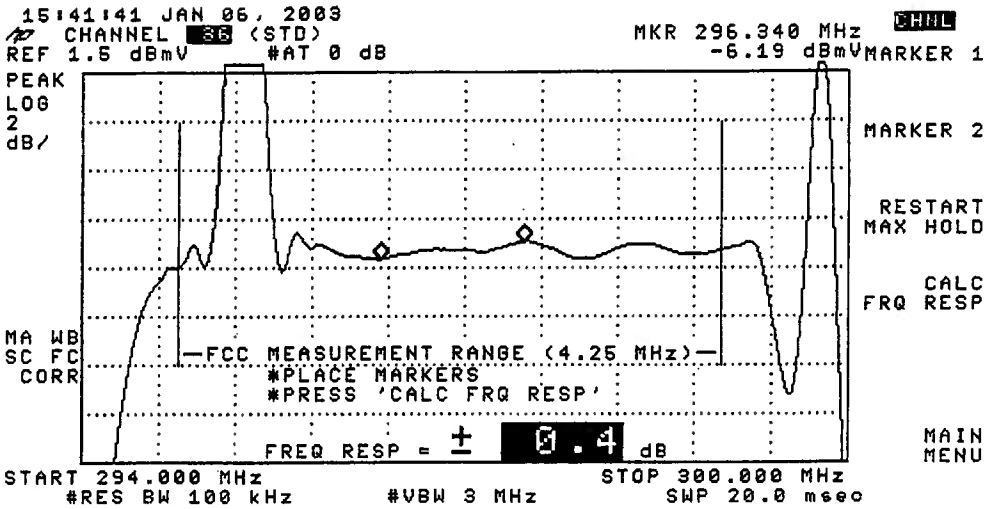

15:48:52 JAN 06, 2003
CHANNEL 3 (STD)
REF -17.6 dBmV
#AT 10 dB
MKR 61.247 MHz
-39.28 dBmV
CHNL
GATE
ON OFF
SMPL
LOG
10
dB/
AVERAGE
ON OFF
ZOOM &
MEASURE
NEXT
BEAT
FA WB
SC FC
CORR
-0.75
+0.75
-1.25
CTB
+1.25
More
#TURN CARRIER OFF (or turn GATE ON)
#USE KNOB OR 'NEXT BEAT' KEY TO MOVE MARKER
C/BEAT = 71.8 dBc @ -0.00 MHz offset
MAIN
MENU
START 59.762 MHz
STOP 65.762 MHz
#RES BW 30 kHz
#VBW 100 Hz
SWP 6.00 sec

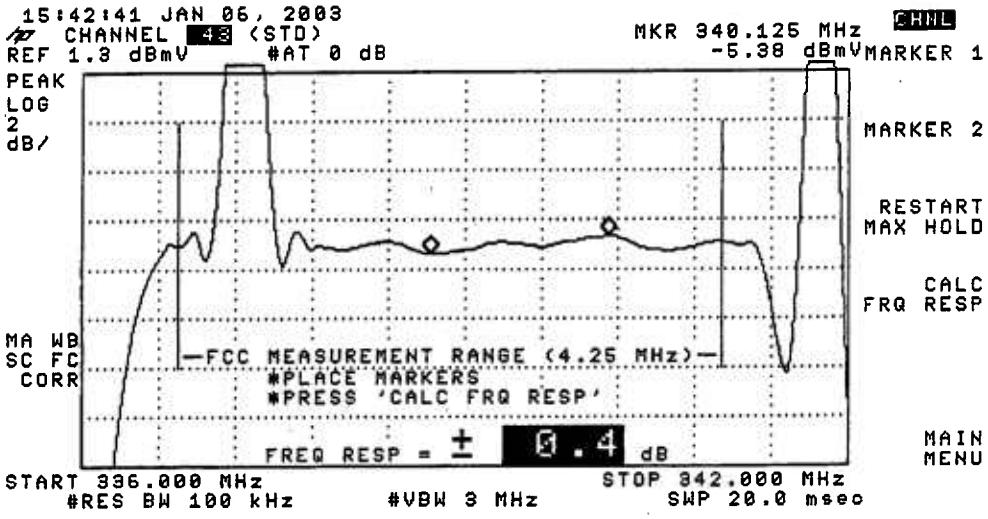

15:35:19 JAN 06, 2003
CHANNEL -3 (STD)
REF 2.1 dBmV
#AT 0 dB
MKR 62.175 MHz
-4.02 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 6.5 dB
MAIN
MENU
START 60.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 66.000 MHz
SWP 20.0 msec

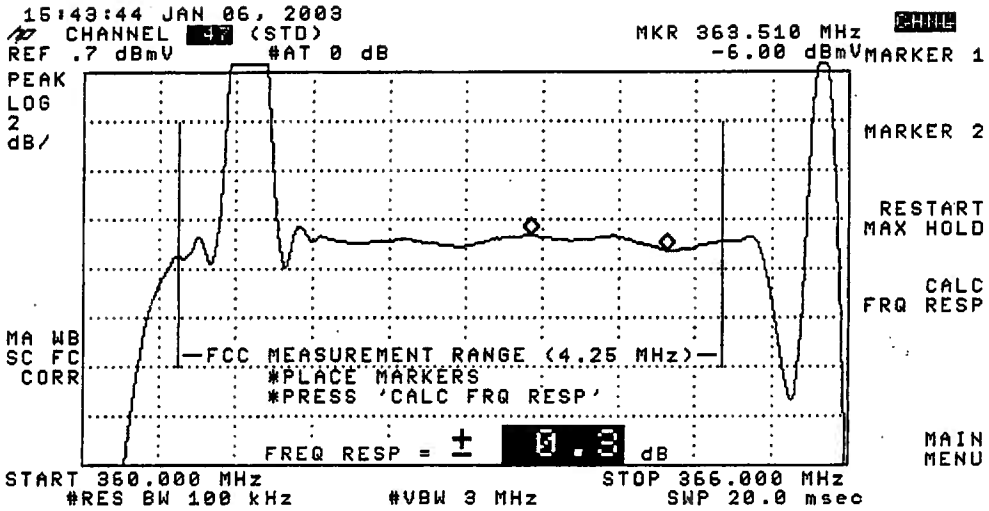

15:36:25 JAN 06, 2009
CHANNEL 7 (STD)
REF .7 dBmV
#AT 0 dB
MKR 176.970 MHz
-6.23 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 174.000 MHz
STOP 180.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec

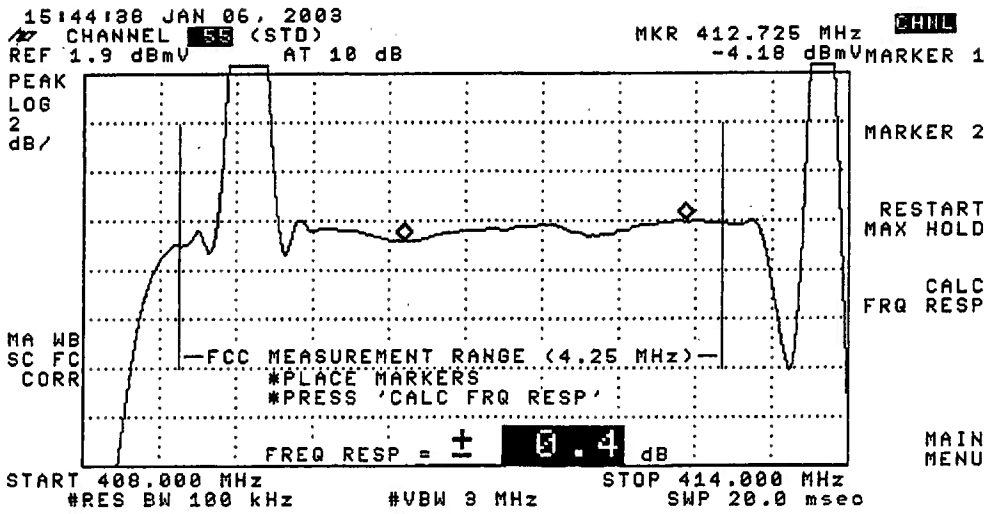

15:38:40 JAN 06, 2003
CHANNEL 13 (STD)
REF -.7 dBmV
#AT 0 dB
MKR 152.370 MHz
-7.62 dBmV
CHIL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 5.4 dB
MAIN
MENU
START 150.000 MHz
STOP 156.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec

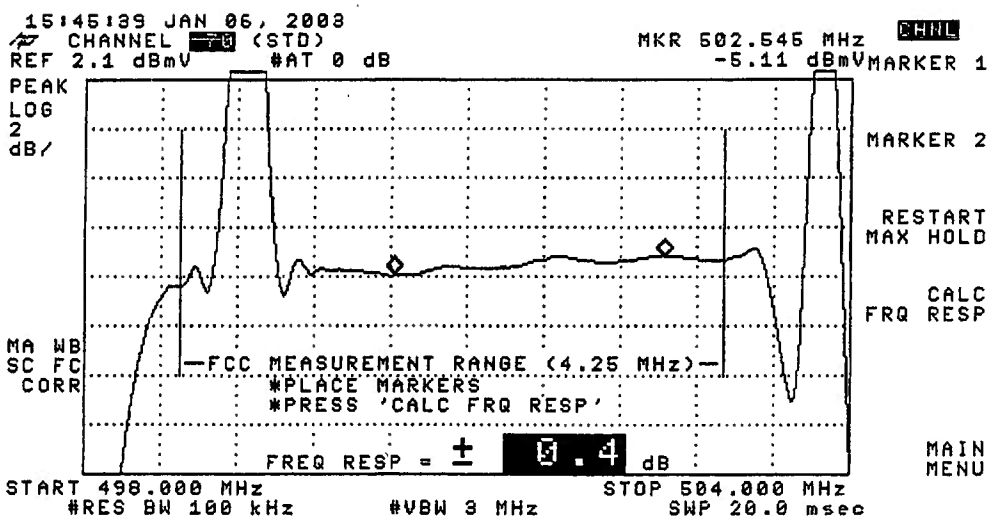

15:39:59 JAN 06, 2003
CHANNEL 31 (STD)
REF 1.1 dBmV
#AT 0 dB
MKR 266.640 MHz
-5.36 dBmV
CHRL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.6 dB
MAIN
MENU
START 264.000 MHz
STOP 270.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec


15:41:41 JAN 06, 2003
CHANNEL 36 (STD)
REF 1.5 dBmV
#AT 0 dB
MKR 296.340 MHz
-6.19 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 294.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 300.000 MHz
SWP 20.0 msec


15:42:41 JAN 06, 2003
CHANNEL 43 (STD)
REF 1.3 dBmV
#AT 0 dB
MKR 340.125 MHz
-5.38 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 336.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 342.000 MHz
SWP 20.0 msec


15:43:44 JAN 06, 2003
CHANNEL 47 (STD)
REF .7 dBmV
#AT 0 dB
MKR 363.510 MHz
-6.00 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 360.000 MHz
STOP 366.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec


15:44:38 JAN 06, 2003
CHANNEL 55 (STD)
REF 1.9 dBmV
AT 10 dB
MKR 412.725 MHz
-4.18 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 408.000 MHz
STOP 414.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec


15:45:39 JAN 06, 2003
CHANNEL 10 (STD)
REF 2.1 dBmV
#AT 0 dB
MKR 502.545 MHz
-5.11 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 6.4 dB
MAIN
MENU
START 498.000 MHz
STOP 504.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec

TIME WARNER CABLE - - SYRACUSE DIVISION

Visual Carrier Level Variation Test

System Name: Rome / Oneida

Test Point Location: Verona Mills Road, Rome

Date: January 6, 2003 **Performed by:** Joel Marmon

Meter Serial Number: US37241488

Chan	Freq (MHz)	Temp F 32 Time 16:30	30 22:30	24 4:30	16 10:30	Max Var
		Visual Level (dbmV)				
2	55.2500	16.7	16.7	17.2	16.9	0.5
3	61.2500	16.8	17.0	17.3	16.5	0.8
4	67.2500	16.2	16.3	16.5	16.0	0.5
5	77.2500	15.3	15.6	15.8	15.4	0.5
6	83.2500	13.9	14.3	14.6	14.3	0.7
A-5(95)	91.2500	14.3	14.4	14.7	14.3	0.4
A-4(96)	97.2500	14.1	14.2	14.3	14.1	0.2
A-3(97)	103.2500					
A-2(98)	109.2750					
A-1(99)	115.2750	13.8	14.1	14.4	13.9	0.6
A(14)	121.2625	14.1	14.5	14.6	14.3	0.5
B(15)	127.2625	14.1	14.5	14.9	14.0	0.9
C(16)	133.2625	13.8	13.8	14.5	14.0	0.7
D(17)	139.2500	13.3	13.7	13.8	13.6	0.5
E(18)	145.2500	14.5	14.8	14.9	14.5	0.4
F(19)	151.2500	13.4	13.7	13.8	13.2	0.6
G(20)	157.2500	14.8	14.8	15.4	14.8	0.6
H(21)	163.2500	14.9	15.5	15.6	15.4	0.7
I(22)	169.2500	15.8	16.1	16.3	16.0	0.5
7	175.2500	15.8	16.1	16.5	15.8	0.7
8	181.2500	16.1	16.3	16.7	16.2	0.6
9	187.2500	15.9	16.1	16.5	15.8	0.7
10	193.2500	16.1	16.1	16.7	16.2	0.6
11	199.2500	15.3	15.5	14.6	15.3	0.9
12	205.2500	15.5	16.0	16.3	16.0	0.8
13	211.2500	15.3	15.6	15.9	15.4	0.6
J(23)	217.2500	14.5	15.0	15.0	14.3	0.7
K(24)	223.2500	15.8	16.1	16.2	15.9	0.4
L(25)	229.2625	14.6	15.9	16.6	16.2	2
M(26)	235.2625	14.5	14.6	16.1	14.9	1.6
N(27)	241.2625	14.1	14.4	14.0	14.0	0.4
O(28)	247.2625	14.7	14.6	15.0	14.5	0.5
P(29)	253.2625	14.6	15.0	15.0	14.7	0.4
Q(30)	259.2625	15.2	15.6	15.7	15.5	0.5
R(31)	265.2625	14.6	14.9	15.4	14.8	0.8
S(32)	271.2625	14.9	15.1	15.6	14.9	0.7
T(33)	277.2625	14.7	14.9	15.6	15.0	0.9
U(34)	283.2625	14.8	15.2	15.6	15.0	0.8
V(35)	289.2625	14.2	14.7	14.9	14.5	0.7
W(36)	295.2625	14.4	14.8	15.1	14.6	0.7
AA(37)	301.2625	13.9	14.1	14.8	14.3	0.9
BB(38)	307.2625	14.3	14.8	15.0	14.7	0.7
CC(39)	313.2625	14.6	15.1	15.4	14.9	0.8
DD(40)	319.2625	14.7	14.8	15.6	15.0	0.9
EE(41)	325.2625	13.3	13.5	14.5	12.4	2.1
FF(42)	331.2750	14.1	14.5	15.2	14.3	1.1
GG(43)	337.2625	14.8	15.3	15.9	15.2	1.1
HH(44)	343.2625	14.7	14.8	15.4	14.9	0.7
II(45)	349.2625	14.8	15.4	16.0	15.4	1.2
JJ(46)	355.2625	14.1	14.6	15.1	14.7	1
KK(47)	361.2625	13.6	14.0	14.6	14.1	1
LL(48)	367.2625	14.7	15.0	15.5	14.8	0.8
MM(49)	373.2625	14.2	14.7	15.4	14.7	1.2
NN(50)	379.2625	14.7	15.1	15.6	14.8	0.9
OO(51)	385.2625	14.0	15.0	15.6	14.9	1.6
PP(52)	391.2625	15.1	15.6	16.3	15.7	1.2
QQ(53)	397.2625	15.5	16.0	16.5	15.9	1
RR(54)	403.2500	15.5	16.1	16.6	16.1	1.1
SS(55)	409.2500	15.2	15.8	16.6	15.9	1.4
TT(56)	415.2500	15.0	15.5	16.3	15.5	1.3
UU(57)	421.2500	15.2	15.4	16.4	15.6	1.2
VV(58)	427.2500	14.3	15.0	15.9	15.0	1.6
WW(59)	433.2500	14.7	15.1	16.1	15.3	1.4
XX(60)	439.2500	14.4	15.0	15.9	15.0	1.5
YY(61)	445.2500	14.5	15.1	15.9	15.2	1.4
ZZ(62)	451.2500	13.9	14.5	15.2	14.6	1.3
63	457.2500	14.1	14.8	15.7	15.0	1.6
64	463.2500	14.5	15.1	15.9	15.1	1.4
65	469.2500	14.2	14.9	15.5	15.0	1.3
66	475.2500	14.1	14.6	15.3	14.7	1.2
67	481.2500	13.9	14.4	15.3	14.6	1.4
68	487.2500	13.7	14.3	15.2	14.5	1.5
69	493.2500	14.5	15.2	16.0	15.3	1.5
70	499.2500	14.2	14.7	15.6	14.9	1.4
71	505.2500	14.0	14.6	15.2	14.6	1.2
72	511.2500	14.2	14.8	15.6	14.8	1.4
73	517.2500	14.8	15.3	16.0	15.2	1.2
74	523.2500	14.8	15.2	15.9	15.0	1.1
75	529.2500	15.5	15.9	16.7	16.0	1.2
76	535.2500	15.8	16.2	17.0	16.4	1.2
77	541.2500	14.8	15.4	16.2	15.4	1.4
78	547.2500	15.6	16.1	17.0	16.3	1.4
79	553.2500					
80	559.2500					
81	565.2500					

Max NonAdjacent Channel Level Diff.	4.5	
Max Adjacent Channel Level Diff.	2.6	
Max Variance from last proof-of-performance test	2.10	
Date of last proof-of-performance test		N/A

Note: Make measurements through a 100 ft. test drop cable without a converter

TIME WARNER CABLE -- SYRACUSE DIVISION

System Name:	**Rome/Oneida**
System Test Point #	6
Hub Name:	Boonville
Location / Community:	West Main Street, Constableville
Map Number:	524-5822
Pole Number:	18
D.T. Value:	23/4
OR Number:	628
GNA Cascade:	4
LE Cascade:	3

TIME WARNER CABLE -- SYRACUSE DIVISION

Visual Carrier Level
Visual / Aural Level Difference
(at Test Point, at The End of a 100' Drop)

System Name: Rome/Oneida
Test Location: West Main Street, Constableville
Date : January 14, 2003
Time : 13:00

Chan	Freq (MHz)	Visual Level (dbmV)		Aural Level (dbmV)	SC /S	Diff (DbmV)		Chan	Freq (MHz)	Visual Level (dbmV)		Aural Level (dbmV)	SC /S	Diff (DbmV)	
2	55.2500	12.1		-0.3		12.4		DD(40)	319.2625	11.5		-2.7		14.2	
3	61.2500	14.5		-0.7		15.2		EE(41)	325.2625	10.3		-2.7		13.0	
4	67.2500	14.5		0.1		14.4		FF(42)	331.2750	11.3		-2.7		14.0	
5	77.2500	13.8		0.7		13.1		GG(43)	337.2625	12.0		-1.3	S	13.3	
6	83.2500	13.1		-0.1		13.2		HH(44)	343.2625	10.9		-3.1		14.0	
A-5(95)	91.2500	12.7		-0.9	S	13.6		II(45)	349.2625	10.8		-1.9	S	12.7	
A-4(96)	97.2500	12.8		-2.0		14.8		JJ(46)	355.2625	9.9		-3.7		13.6	
A-3(97)	103.2500	N/A		N/A		N/A		KK(47)	361.2625	9.3		-3.9		13.2	
A-2(98)	109.2750	N/A		N/A		N/A		LL(48)	367.2625	9.0		-4.1		13.1	
A-1(99)	115.2750	12.9		-1.0		13.9		MM(49)	373.2625	9.1		-5.1		14.2	
A(14)	121.2625	12.9		0.9		12.0		NN(50)	379.2625	8.9		-4.6		13.5	
B(15)	127.2625	13.2		0.2		13.0		OO(51)	385.2625	8.8		-5.7	S	14.5	
C(16)	133.2625	12.7		-0.3		13.0		PP(52)	391.2625	9.1		-3.4	S	12.5	
D(17)	139.2500	12.8		0.0	S	12.8		QQ(53)	397.2625	9.1		-3.6	S	12.7	
E(18)	145.2500	13.7		0.0		13.7		RR(54)	403.2500	8.5		-4.5	S	13.0	
F(19)	151.3210	12.8		-1.8		14.6		SS(55)	409.2500	8.3		-5.2	S	13.5	
G(20)	157.2500	14.0		-1.1		15.1		TT(56)	415.2500	8.0		-2.8		10.8	
H(21)	163.2500	14.0		0.5		13.5		UU(57)	421.2500	7.4		-5.6		13.0	
I(22)	169.2500	13.8		-0.7		14.5		VV(58)	427.2500	7.2		-6.6		13.8	
7	175.2500	12.8		-0.3		13.1		WW(59)	433.2500	6.4		-7.6	S	14.0	
8	181.2500	13.0		-1.5		14.5		XX(60)	439.2500	7.1		-8.0	S	15.1	
9	187.2500	13.1		-0.9		14.0		YY(61)	445.2500	7.1		-2.9		10.0	
10	193.2500	12.3		-2.4		14.7		ZZ(62)	451.2500	7.4		-4.7	S	12.1	
11	199.2500	10.5		-3.5		14.0		63	457.2500	7.9		-6.4	S	14.3	
12	205.2500	11.0		-1.7		12.7		64	463.2500	9.0		-6.1	S	15.1	
13	211.2500	10.2		-3.8		14.0		65	469.2500	8.5		-6.0	S	14.5	
J(23)	217.2500	9.6		-5.5	S	15.1		66	475.2500	8.7		-5.9	S	14.6	
K(24)	223.2500	9.3		-4.9		14.2		67	481.2500	8.6		-5.7	S	14.3	
L(25)	229.2625	9.7		-0.4		10.1		68	487.2500	8.2		-5.6	S	13.8	
M(26)	235.2625	10.5		-1.9		12.4		69	493.2500	9.1		-5.4	S	14.5	
N(27)	241.2625	10.6		-2.4		13.0		70	499.2500	8.9		-3.7	S	12.6	
O(28)	247.2625	10.8		-3.0		13.8		71	505.2500	9.0		-5.2	S	14.2	
P(29)	253.2625	11.0		-2.5		13.5		72	511.2500	9.5		-5.3	S	14.8	
Q(30)	259.2625	11.8		-2.7		14.5		73	517.2500	9.5		-2.9	S	12.4	
R(31)	265.2625	11.6		-0.8		12.4		74	523.2500	9.6		-4.2	S	13.8	
S(32)	271.2625	11.4		-0.6		12.0		75	529.2500	10.2		-4.5	S	14.7	
T(33)	277.2625	11.5		-1.8		13.3		76	535.2500	10.3		-2.8	S	13.1	
U(34)	283.2625	11.5		-2.5		14.0		77	541.2500	9.7		-3.9	S	13.6	
V(35)	289.2625	11.2		-2.1		13.3		78	547.2500	10.6		-3.5	S	14.1	
W(36)	295.2625	11.6		-1.2		12.8		79	553.0000	N/A		N/A		N/A	
AA(37)	301.2625	11.6		-2.9		14.5		80	559.0000	N/A		N/A		N/A	
BB(38)	307.2625	11.9		-2.3		14.2		81	565.0000	N/A		N/A		N/A	
CC(39)	313.2625	12.0		-1.8		13.8									

Min Channel :-	WW(59)	6.4
Max Channel :-	3	14.5

PEAK TO VALLEY: 8.10

Test Point # 6

TIME WARNER CABLE -- SYRACUSE DIVISION

IN CHANNEL RESPONSE Test
CARRIER - TO - NOISE Test
COHERENT DISTURBANCES Test
LOW FREQUENCY DISTURBANCES Test

System Name: Rome/Oneida

Date: January 14, 2003

Test Performed By: Joel Marmon

Location: West Main Street, Constableville

Note: ***Make measurements through a 100 ft. test drop cable without converter.***

Channel Number	In Channel Response (+/- dB)	Carrier To Noise Ratio (dB)	Distortions (-dBc) CTB	CSO	HUM (%)
3	0.2	48.9	69.8	75.8	
19	0.7	48.2	64.0	73.2	
7	0.3	50.0	62.5	72.1	
31	0.5	48.5	60.1	70.1	
36	0.2	48.7	61.9	70.1	
43	0.3	49.5	62.2	69.3	
47	0.2	47.4	60.3	68.9	
55	0.2	48.2	59.7	67.8	
70	0.3	48.8	59.6	67.4	0.8

TIME WARNER CABLE -- SYRACUSE DIVISION

IN - CHANNEL FREQUENCY RESPONSE TEST

(76.605) (a) (6)

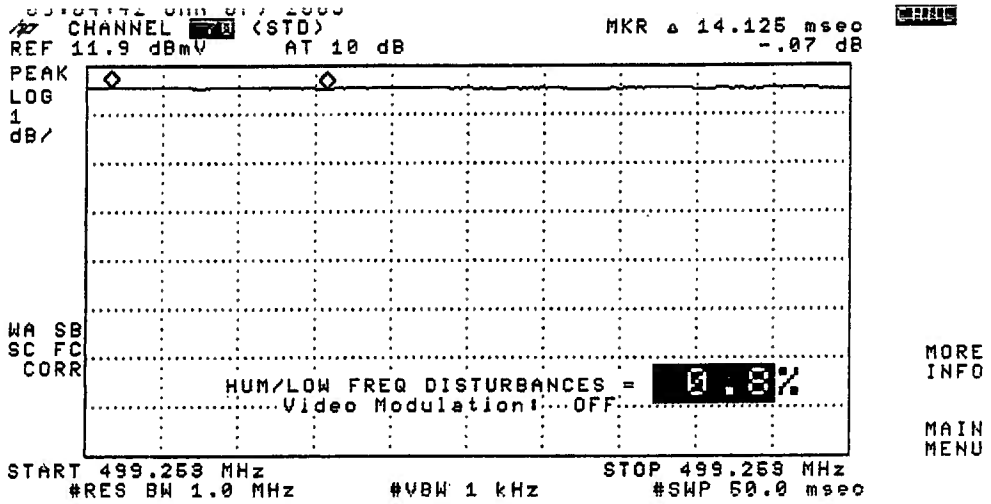
System Name: **Rome/Oneida**

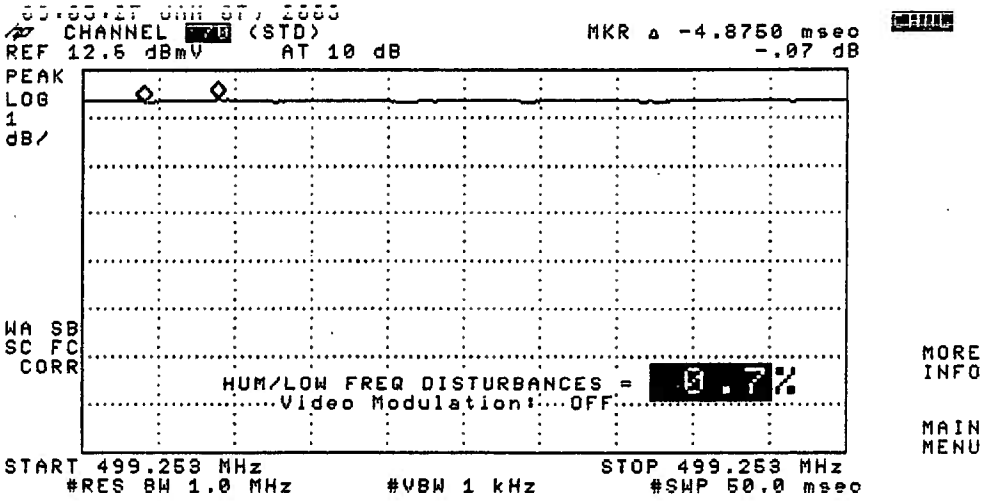
Date: 14-Jan-03

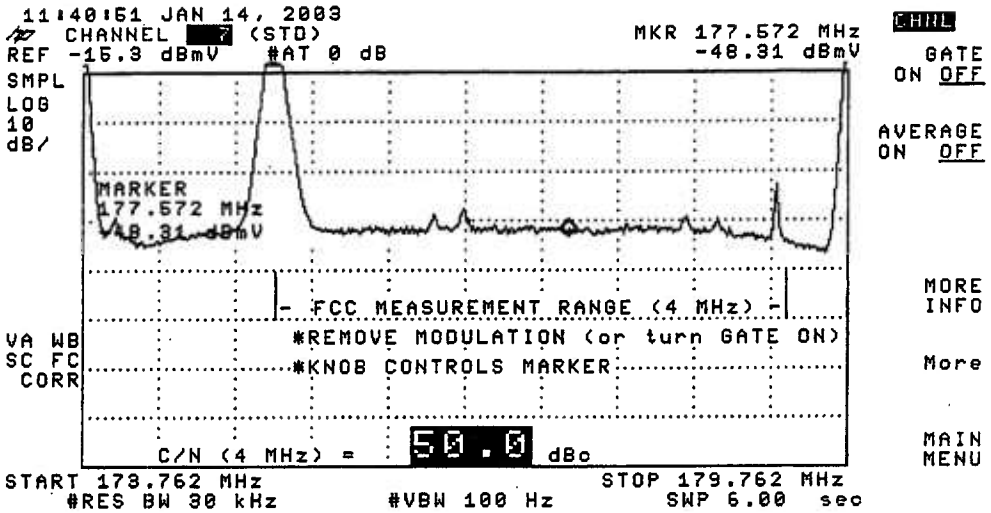
Test Performed By: Joel Marmon

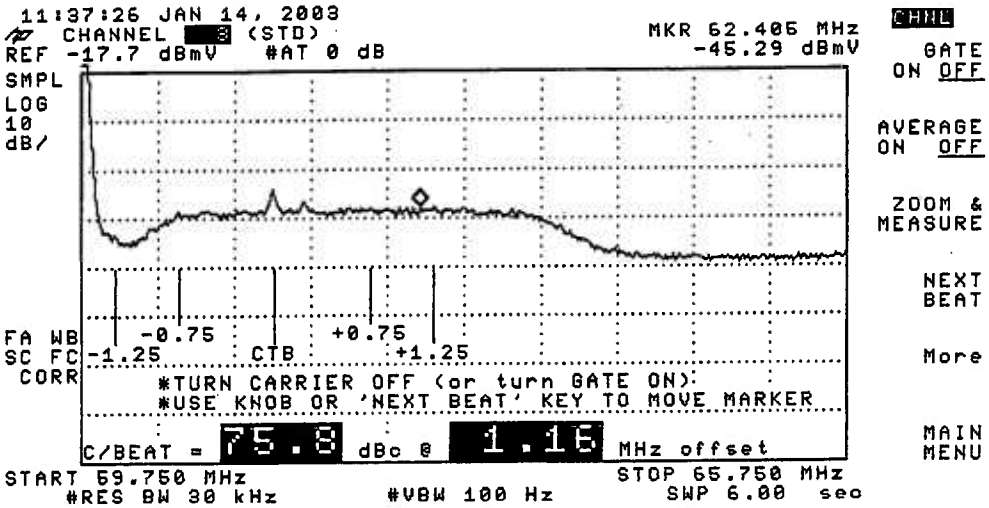
Location: West Main Street, Constableville

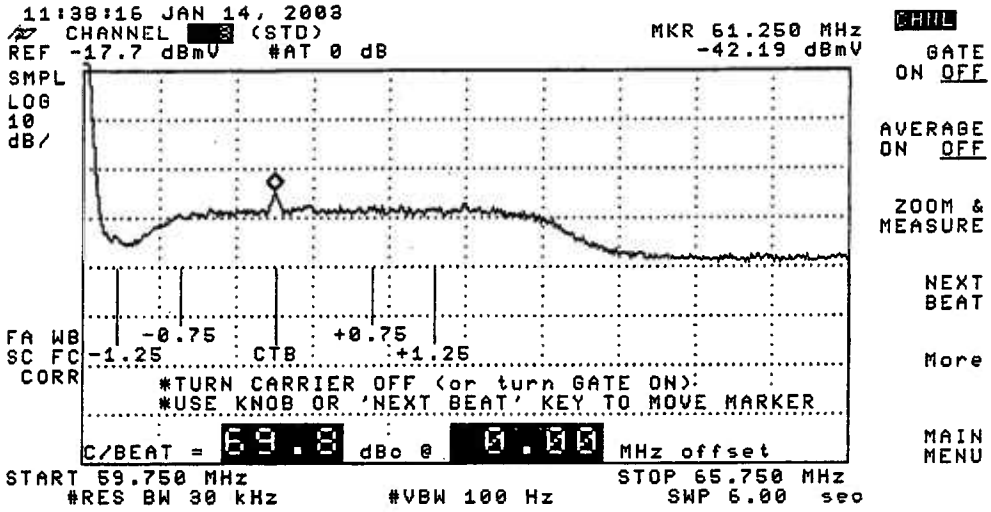
(SEE THE ATTATCHED SWEEP TRACES)

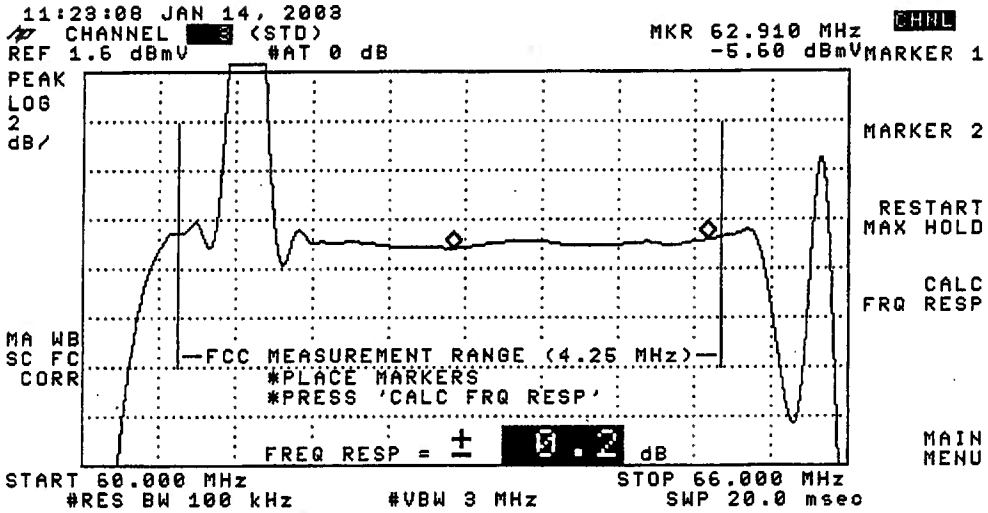

CHANNEL 70 (STD)
REF 11.9 dBmV
AT 10 dB
MKR Δ 14.125 mseo
-.07 dB
PEAK
LOG
1
dB/
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = 0.8%
Video Modulation: OFF
MORE INFO
MAIN MENU
START 499.253 MHz
#RES BW 1.0 MHz
#VBW 1 kHz
STOP 499.253 MHz
#SWP 50.0 mseo

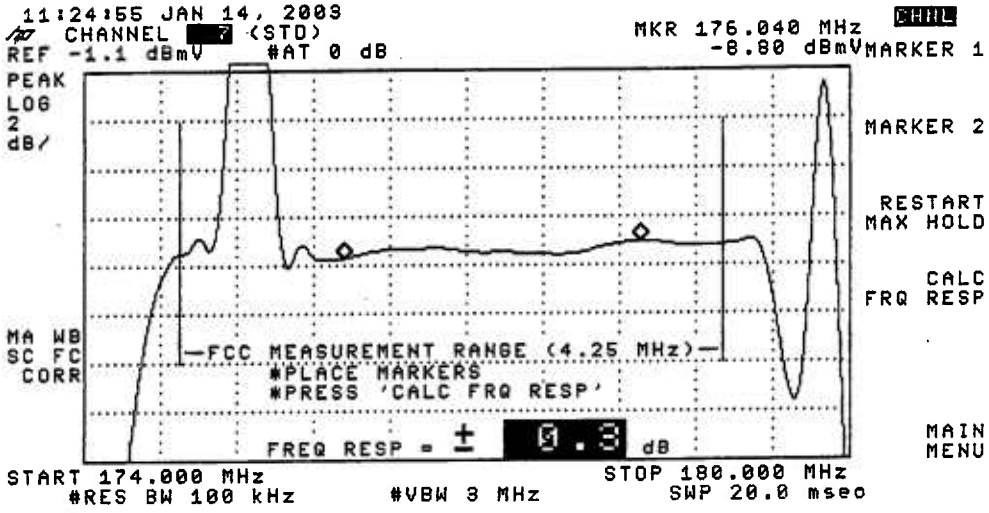

CHANNEL 70 (STD)
REF 12.6 dBmV
AT 10 dB
MKR Δ -4.8750 mseo
-.07 dB
PEAK
LOG
1
dB/
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = 0.7%
Video Modulation: OFF
MORE INFO
MAIN MENU
START 499.253 MHz
#RES BW 1.0 MHz
#VBW 1 kHz
STOP 499.253 MHz
#SWP 50.0 mseo

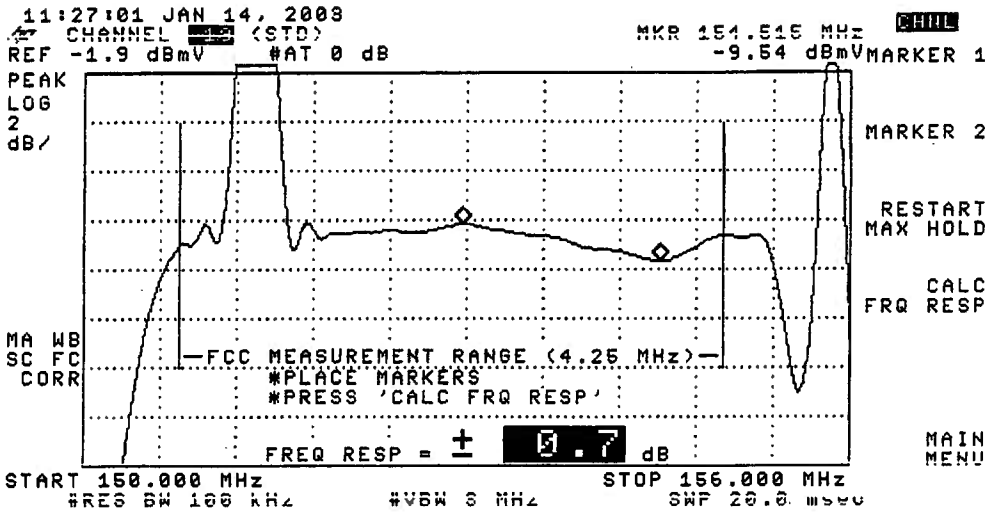

11:40:51 JAN 14, 2003
CHANNEL 7 (STD)
REF -15.3 dBmV
#AT 0 dB
MKR 177.572 MHz
-48.31 dBmV
CHNL
GATE
ON OFF
SMPL
LOG
10
dB/
AVERAGE
ON OFF
MARKER
177.572 MHz
-48.31 dBmV
MORE
INFO
- FCC MEASUREMENT RANGE (4 MHz) -
VA WB
SC FC
CORR
*REMOVE MODULATION (or turn GATE ON)
*KNOB CONTROLS MARKER
More
C/N (4 MHz) = 50.0 dBc
MAIN
MENU
START 173.762 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 179.762 MHz
SWP 6.00 sec

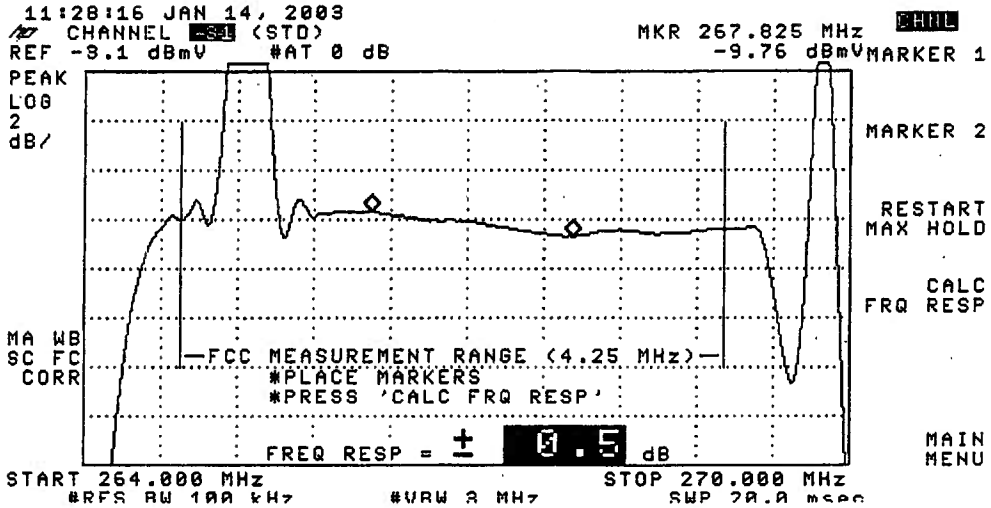

11:37:26 JAN 14, 2003
CHANNEL 3 (STD)
REF -17.7 dBmV
#AT 0 dB
MKR 62.405 MHz
-45.29 dBmV
SMPL
LOG
10
dB/
FA WB
SC FC
CORR
-0.75
+0.75
-1.25
CTB
+1.25
*TURN CARRIER OFF (or turn GATE ON)
*USE KNOB OR 'NEXT BEAT' KEY TO MOVE MARKER
C/BEAT = 75.8 dBc @ 1.16 MHz offset
START 59.750 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 65.750 MHz
SWP 6.00 sec
CHNL
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
NEXT
BEAT
More
MAIN
MENU

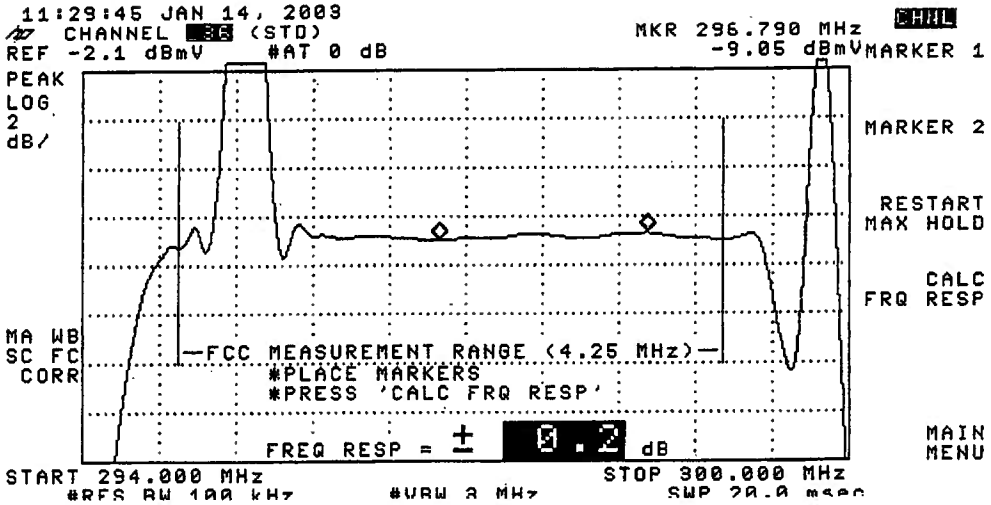

11:38:16 JAN 14, 2003
CHANNEL 3 (STD)
REF -17.7 dBmV
#AT 0 dB
MKR 61.250 MHz
-42.19 dBmV
CHNL
GATE
ON OFF
SMPL
LOG
10
dB/
AVERAGE
ON OFF
ZOOM &
MEASURE
NEXT
BEAT
FA WB
SC FC
CORR
-0.75
+0.75
-1.25
CTB
+1.25
More
#TURN CARRIER OFF (or turn GATE ON):
#USE KNOB OR 'NEXT BEAT' KEY TO MOVE MARKER
C/BEAT = 69.8 dBo @ 0.00 MHz offset
MAIN
MENU
START 59.750 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 65.750 MHz
SWP 6.00 sec

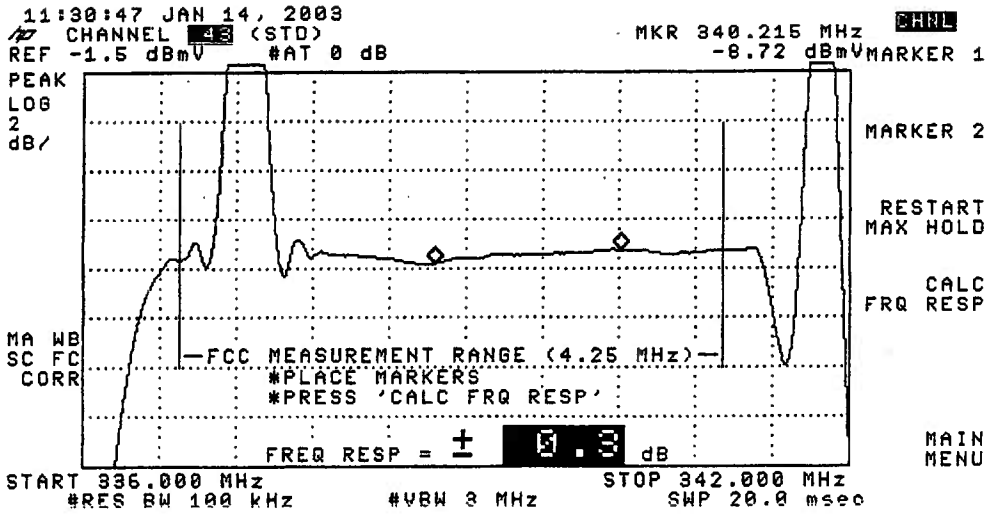

11:23:08 JAN 14, 2003
CHANNEL 3 (STD)
REF 1.6 dBmV
#AT 0 dB
MKR 62.910 MHz
-5.60 dBmV
CHRL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 60.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 66.000 MHz
SWP 20.0 msec

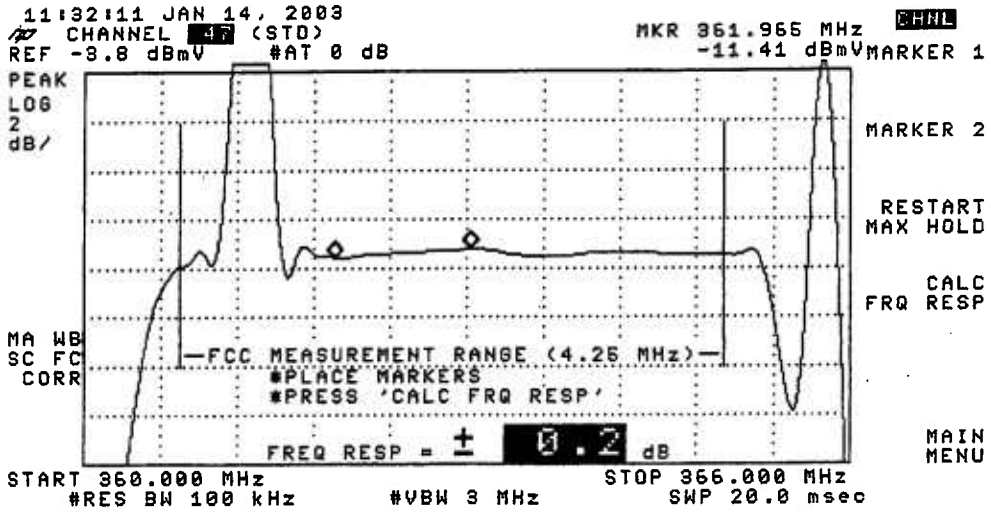

11:24:55 JAN 14, 2009
CHANNEL 7 (STD)
REF -1.1 dBmV
#AT 0 dB
MKR 176.040 MHz
-8.80 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 174.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 180.000 MHz
SWP 20.0 mseo

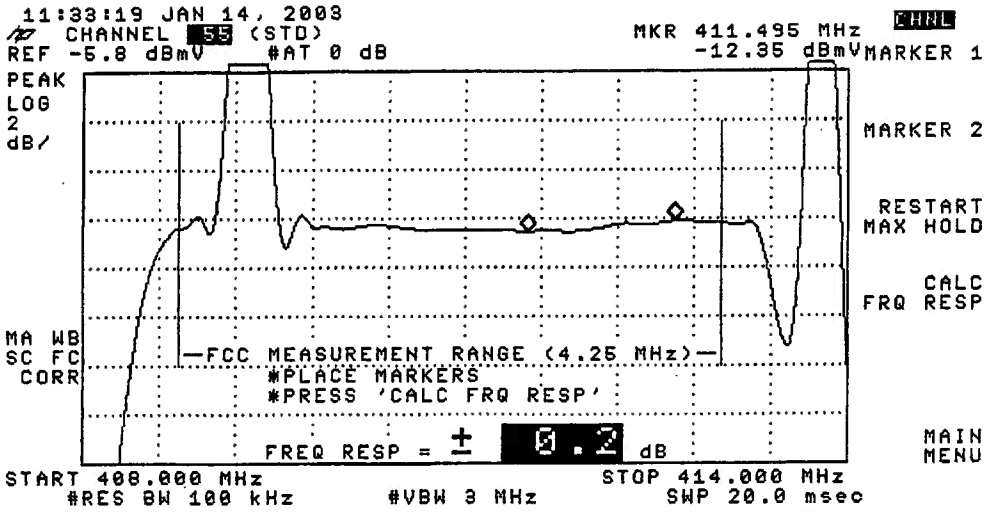

11:27:01 JAN 14, 2003
CHANNEL 1 (STD)
REF -1.9 dBmV
#AT 0 dB
MKR 154.515 MHz
-9.54 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.7 dB
MAIN
MENU
START 150.000 MHz
STOP 156.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec

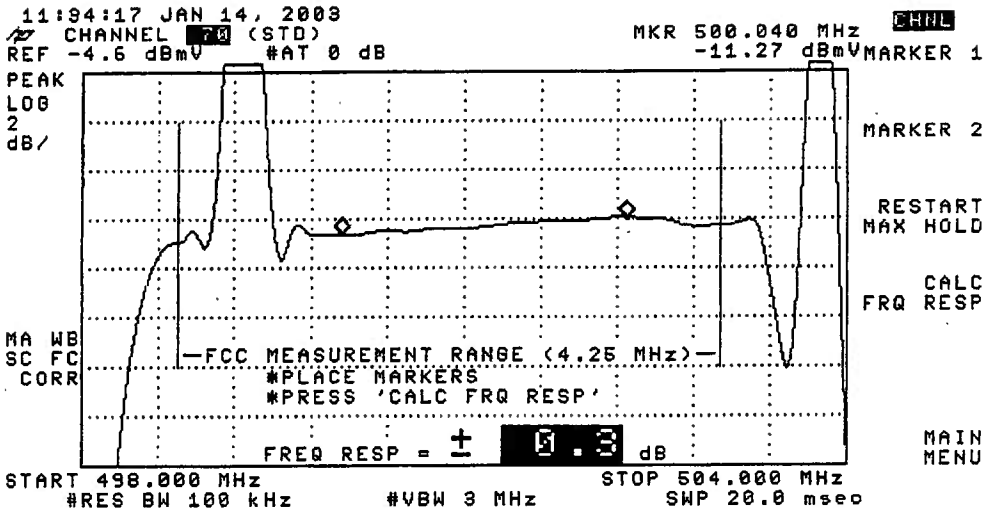

11:28:16 JAN 14, 2003
CHANNEL 34 (STD)
REF -3.1 dBmV
#AT 0 dB
MKR 267.825 MHz
-9.76 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
START 264.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 270.000 MHz
SWP 20.0 msec


11:29:45 JAN 14, 2003
CHANNEL 35 (STD)
REF -2.1 dBmV
#AT 0 dB
MKR 296.790 MHz
-9.05 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 294.000 MHz
STOP 300.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec


11:30:47 JAN 14, 2003
CHANNEL 43 (STD)
REF -1.5 dBmV
#AT 0 dB
MKR 340.215 MHz
-8.72 dBmV
CHRL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 336.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 342.000 MHz
SWP 20.0 msec


11:32:11 JAN 14, 2003
CHANNEL 47 (STD)
REF -3.8 dBmV
#AT 0 dB
MKR 361.965 MHz
-11.41 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 360.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 366.000 MHz
SWP 20.0 msec


11:33:19 JAN 14, 2003
CHANNEL 55 (STD)
REF -5.8 dBmV
#AT 0 dB
MKR 411.495 MHz
-12.35 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 408.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 414.000 MHz
SWP 20.0 msec


11:94:17 JAN 14, 2003
CHANNEL 70 (STD)
REF -4.6 dBmV
#AT 0 dB
MKR 500.040 MHz
-11.27 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 498.000 MHz
STOP 504.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 mseo

TIME WARNER CABLE - - SYRACUSE DIVISION

Visual Carrier Level Variation Test

System Name: Rome/Oneida

Test Point Location: West Main Street, Constableville

Date: January 14, 2003 **Performed by:** Joel Marmon

Meter Serial Number: US40306138

Chan	Freq. (MHz)	Temp F				Max Var
		8	10	0	0	
		Time				
		13:00	19:00	1:00	7:00	
		Visual Level (dbmv)				
2	55.2500	12.1	12.6	12.5	12.3	0.5
3	61.2500	14.5	14.9	14.8	14.5	0.4
4	67.2500	14.5	14.8	14.9	14.8	0.4
5	77.2500	13.8	14.0	13.8	14.0	0.2
6	83.2500	13.1	13.4	13.3	13.4	0.3
A-5(95)	91.2500	12.7	13.4	13.5	13.3	0.8
A-4(96)	97.2500	12.8	13.2	13.4	13.3	0.6
A-3(97)	103.2500					
A-2(98)	109.2750					
A-1(99)	115.2750	12.9	13.5	13.7	13.6	0.8
A(14)	121.2625	12.9	13.4	13.4	13.2	0.5
B(15)	127.2625	13.2	13.4	13.2	13.1	0.3
C(16)	133.2625	12.7	12.5	12.6	12.2	0.5
D(17)	139.2500	12.8	13.3	13.3	13.4	0.6
E(18)	145.2500	13.7	14.0	14.3	14.1	0.6
F(19)	151.2500	12.8	13.1	13.5	13.0	0.7
G(20)	157.2500	14.0	14.4	14.5	14.4	0.5
H(21)	163.2500	14.0	14.3	14.3	14.1	0.3
I(22)	169.2500	13.8	14.1	14.0	14.1	0.3
7	175.2500	12.8	13.7	13.5	13.5	0.9
8	181.2500	13.0	13.6	13.7	13.6	0.7
9	187.2500	13.1	13.6	13.4	13.2	0.5
10	193.2500	12.3	12.8	12.8	12.5	0.5
11	199.2500	10.5	11.0	11.1	11.1	0.6
12	205.2500	11.0	11.3	11.2	11.4	0.4
13	211.2500	10.2	10.7	11.1	10.6	0.9
J(23)	217.2500	9.6	8.0	10.2	7.7	2.5
K(24)	223.2500	9.3	9.6	9.8	9.7	0.5
L(25)	229.2625	9.7	10.1	10.3	10.3	0.6
M(26)	235.2625	10.5	10.9	11.0	10.8	0.5
N(27)	241.2625	10.6	11.1	11.2	11.1	0.6
O(28)	247.2625	10.8	11.3	11.6	11.3	0.8
P(29)	253.2625	11.0	11.8	11.8	11.9	0.9
Q(30)	259.2625	11.8	12.3	12.3	12.2	0.5
R(31)	265.2625	11.6	12.0	12.3	10.8	1.5
S(32)	271.2625	11.4	12.0	11.7	11.7	0.6
T(33)	277.2625	11.5	11.9	11.8	11.8	0.4
U(34)	283.2625	11.5	12.0	12.2	12.2	0.7
V(35)	289.2625	11.2	11.7	11.6	11.6	0.5
W(36)	295.2625	11.6	12.3	12.4	12.0	0.8
AA(37)	301.2625	11.6	12.0	12.3	12.2	0.7
BB(38)	307.2625	11.9	12.5	12.5	12.1	0.6
CC(39)	313.2625	12.0	12.5	12.5	12.1	0.5
DD(40)	319.2625	11.5	12.1	12.2	12.0	0.7
EE(41)	325.2625	10.3	11.3	10.9	10.7	1
FF(42)	331.2750	11.3	11.6	11.6	11.6	0.3
GG(43)	337.2625	12.0	12.3	12.3	12.3	0.3
HH(44)	343.2625	10.9	11.3	11.4	11.4	0.5
II(45)	349.2625	10.8	11.5	11.5	11.3	0.7
JJ(46)	355.2625	9.9	10.3	10.3	10.4	0.5
KK(47)	361.2625	9.3	10.0	9.8	10.1	0.8
LL(48)	367.2625	9.0	9.3	9.2	9.7	0.7
MM(49)	373.2625	9.1	9.7	9.4	9.7	0.6
NN(50)	379.2625	8.9	9.4	9.3	9.4	0.5
OO(51)	385.2625	8.8	9.0	9.0	9.2	0.4
PP(52)	391.2625	9.1	9.2	9.6	9.5	0.5
QQ(53)	397.2625	9.1	9.8	9.7	9.6	0.7
RR(54)	403.2500	8.5	8.7	8.7	9.2	0.7
SS(55)	409.2500	8.3	8.8	9.1	8.9	0.8
TT(56)	415.2500	8.0	7.9	8.4	8.0	0.5
UU(57)	421.2500	7.4	7.6	7.7	7.7	0.3
VV(58)	427.2500	7.2	7.3	7.1	7.5	0.4
WW(59)	433.2500	6.4	6.8	6.7	7.0	0.6
XX(60)	439.2500	7.1	7.5	7.6	7.5	0.5
YY(61)	445.2500	7.1	7.1	7.3	7.5	0.4
ZZ(62)	451.2500	7.4	7.6	8.0	7.9	0.6
63	457.2500	7.9	8.3	8.3	8.4	0.5
64	463.2500	9.0	9.1	9.4	9.2	0.4
65	469.2500	8.5	8.8	8.9	8.8	0.4
66	475.2500	8.7	9.0	9.1	9.0	0.4
67	481.2500	8.6	8.9	8.8	9.0	0.4
68	487.2500	8.2	8.2	8.5	8.5	0.3
69	493.2500	9.1	9.4	9.3	9.6	0.5
70	499.2500	8.9	9.1	9.3	9.1	0.4
71	505.2500	9.0	8.9	9.2	9.0	0.3
72	511.2500	9.5	9.5	9.8	9.6	0.3
73	517.2500	9.5	9.9	9.7	9.7	0.4
74	523.2500	9.6	9.9	9.8	9.8	0.3
75	529.2500	10.2	10.5	10.4	10.3	0.3
76	535.2500	10.3	10.5	10.6	10.6	0.3
77	541.2500	9.7	9.7	9.8	10.1	0.4
78	547.2500	10.6	10.5	10.5	10.6	0.1
79	553.0000					
80	559.0000					
81	565.0000					

Max NonAdjacent Channel Level Diff.	8.2	
Max Adjacent Channel Level Diff.	2.9	
Max Variance from last proof-of-performance test	4.00	
Date of last proof-of-performance test		N/A

Note: Make measurements through a 100 ft. test drop cable without a converter

Exhibit 1

Question 5(b): Applicant serves the following additional Municipalities from the same headend or from a different headend but in the same or adjacent county:

Municipality	Subscribers	Municipality	Subscribers
Town of Annsville	515	Town of Floyd	979
Griffiss AFB	6	Village of Holland Patent	175
Town of Lee	1,720	Town of Marcy	261
City of Rome	11,119	Town of Trenton	140
Town of Western	362	Town of Westmoreland	1,066
Town of Whitestown	5	Village of Canastota	1,649
Village of Cleveland	233	Village of Chittenango	1,619
Town of Constantia	701	Town of Fenner	20
Town of Lenox	860	Town of Lincoln	214
Village of Munnsville	214	Village of Oneida Castle	377
City of Oneida	4,190	City of Sherrill	1,149
Town of Stockbridge	179	Town of Sullivan	2,791
Town of Vernon	687	Village of Vernon	422
Town of Verona	1,324	Village of Wampsville	178
Town of West Monroe	882		

Exhibit 2

Question 10: The number of miles of new cable television plant placed in operation by applicant during the past twelve (12) months in the municipalities specified in Question 5(b) are:

Municipality	Miles of Plant	Municipality	Miles of Plant
Town of Sullivan	2.10 Miles	Town of Vernon	0.80 Miles
Town of West Monroe	0.10 Miles		