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

- 1. The exact legal name of applicant is: Cablevision of Wappingers Falls, Inc.
- 2. Applicant does business under the following name or names: Cablevision
- 3. Applicant's mailing address is: 6 Executive Plaza, Yonkers, NY 10701
- 4. Applicant's telephone number(s) is (are): 914-378-4533
- 5. (a) This application is for the renewal of operating rights in the **Town of Stony Point**
 - (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 franchise list

6. 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 lineup (off-air channels checked)

7. Applicant does 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:

The number of hours of locally originated programming carried by the system during the past twelve months is 455 hours.

The nature of the programming includes series produced by Cablevision such as "Meet the Leaders", featuring local officials and administrators of non-profit organizations in a half-hour interview program, and "Neighborhood Journal" which features local communities and events, such as festivals, downtown businesses, not-for profit organizations, and tourist attractions.

COUNTY TIMES

Rockland's Official Newspaper Since 1888™

PUBLISHED BY CITIZEN PUBLISHING CORPORATION

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Legal notice: Clerk: Notice of Public Hearing, Town Board, 5/12/2015, Cablevision (Ref. No.: 1095)

AFFIDAVIT OF PUBLICATION

STATE OF NEW YORK)

(COUNTY OF ROCKLAND)

IMMACULATE FORMATO of the Town of Orangetown, County of Rockland, State of New York, being duly sworn says that she is the Principal Clerk of the ROCKLAND COUNTY TIMES, a newspaper published in the Town of Clarkstown, County of Rockland, State of New York, and that the legal notice of which the annexed is a copy was published in the issue of May 7, 2015.

Immiculate Formato

Sworn to before me this

thay of May 2015

NOTARY PUBLIC. STATE OF NEW YORK

DONNA LEE MIELE

Notary Public, State of New York

No. 02MI6059754

Qualified in Rockland County

Commission Expires June 4, 2015

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May 3, 2015,

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One-Time Charges (unless otherwise noted)

Connection Charges	
Installation, Upgrade, Relocate, Collection Charge Non-standard Connection	\$ 46.95 priced individually
Additional outlet - at time of primary installation - separate trip charge (plus additional outlets)	per outlet \$ 21.95 \$ 46.95 each \$ 21.95
Relocation of internal or external outlet Additional Jack	each \$ 46.95
 at time of primary installation separate trip charge (plus additional jacks) 	each \$ 75.00 \$ 125.00 each \$ 75.00

Equipment (r	new/lost/damad	ed/stolen/unreturned)
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Replacement Digital Cable Box	each	\$	105.00
Replacement Digital Remote Control	each	\$	2.50
Replacement Smart Card	each	\$	75.00
Replacement CableCARD	each	\$	40.00
Replacement Cable Modem		\$	100.00
Replacement Voice-enabled 4 port Modern		\$	100.00
Replacement Voice-enabled 12 port Modem		3	750.00
Replacement SIP Trunk Adapter		\$	750.00
Replacement DVR	each	\$	265.00

each \$ 140.00 Replacement Tuning Adapter Replacement Smart Router Change of Service Fees 46.95 46.95 Service Call/Change of Service Installation of Equipment Hourly Service Charge

per product \$

4.99

ло charge

Monthly Services -- Equipment/Other

Digital Cable Box (SD or HD)	each \$ 7.56	
CableCARD	each \$ 2.00	
Remote Control (SD or HD)	each \$ 0.24	
Tuning Adapter	no charge	
Additional Outlet Fee		
1-10 outlets	\$ 9.95	
11-20 outlets	additional \$ 9.95	
21+ outlets	call for details	

Restore Service Fee

Disconnect

Other Charges

Returned Check Fee	\$ 20.00
Late Payment Fee	\$ 10.00
Payment Processing Fee (Customer Support sustitutes with phone payment)	\$ 10.00

Discontinued Packages

iO en español Optimum Business	\$	18.95 64.95
Optimum Total Business Optimum Entertainment	\$	90.95
Optimum Total Entertainment	Š	130.99
"No longer offered to new or current customers who change or disconnect	ther :	ALLANCE.

Optimum Business Benefits

Get premier service and pricing from top suppliers, exclusively for customers with both Optimum Voice and Optimum Online. To enroll, go to OptimumBusinessBenefits.com.

We've partnered with top suppliers to bring you even more savings:









Optimum Business Benefits Program available only to Optimum Business subscribers with both Opti Certain restrictions apply to program offers. Program terms and offers are subject to change.

Important Information

View terms of service at optimum.com/terms.

- Interactive features, Channel Guide and Enhanced TV services (600 series channels) are not available to Cable CARD customers.
- Select digital cable-ready devices may require a compatible Tuning Adapter (with a Cable-CARD) to receive ESPN Goal Line/Buzzer Beater, Optimum Seasonal Sports, Optimum en español and Optimum International services.
- Downgrades of cable service are offered at no charge within 30 days of a change in rates, programming or retiering of services.
- Depending on your location, some or all of your Optimum TV service and equipment rates, plus certain additional charges, may be subject to state and local fees of 0-5.3%, an FCC user fee of 84 and a \$5.98 Sports and Broadcast TV surcharge, which will be added to your monthly bill. Other federal, state and local taxes may apply.
- All outside wining must be performed by Optimum and with Optimum equipment. Inside wining, including the connection of antenna A/B switches, VCRs, DVDs and DVRs not performed by Optimum and equipment purchased from sources other than Optimum must meet our technical standards.
- Initial service and programming charges are billed from the date of connection. You may see a partial month charge on your billing statement. This charge is for service from the date a promotion ended or from the date of service connection through the beginning of your next billing cycle. The start and end dates of your billing cycle are listed in the Account Summary section of your bill.
- An adult (18 years of age or older) person must be present at time of initial connection and any subsequent service appointments. Proper identification in the form of a driver's license is required at time of service.
- Optimum reserves the right to institute different rates and/or terms and conditions of service for promotional purposes.
- Equipment provided by Optimum for service is the property of Optimum and must be returned when service is changed or disconnected. In the event that any equipment is lost, stolen, damaged, destroyed or not returned, Optimum will charge customer's account in accordance with fee
- All digital cable boxes are equipped with a feature that enables a temporary "lock out" of programming at your option. Please refer to the Optimum Reference Guide or visit optimum.com/parentalcontrol.
- All Optimum employees are required to wear company branded photo identification when visiting a residence. In addition, all service technicians are required to wear Optimum uniforms.
- The programs, packages, services, number of channels, content, format, rates and other aspects of Optimum's services are its current offerings and are subject to change or discontinuance at any time in accordance with applicable law. Some channels may be periodically interrupted with alternate programming. All HD channels require an HDTV, Products and services offered where available.
- Optimum, the Optimum family of marks, and Optimum logos are registered trademarks of CSC Holdings, LLC.
 All trademarks are proporty of their respective owners, @2015 CSC Holdings, LLC.

optimum

7882 Effective May 2015

per month

Rates & Packages Ossining-Rockland County

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March Cablevision, 6 Corporate Center Drive, Melville, NY 11747

© Customer Support: 1-866-575-8000; Hearing Impaired 1-866-374-0081

- facebook.com/Optimum

TV. Keep your customers up-to-date and entertained.

Get the best programming for the best value with Optimum TV, Plus, get HD at no additional charge. Whether you want to broadcast the big game at your bar or show breaking news in your waiting room, you'll be offering an extra service that keeps your customers happy. And that's always good for business. See inside for a complete listing of packages and options.

Phone. Flat-rate phone service that keeps you connected.

Unlimited local and long-distance calling to the U.S., Puerto Rico. Canada & the U.S. Virgin Islands

	pe	r month
Optimum Voice 1-3 lines Optimum Voice 4-24 lines	each line \$ each line \$	

Includes over 20 business ca	alling features
 Directory Listing & 411 	+ VIP Ringing
Directory Assistance	 Call Forwarding
· Call Detail Records	- Find Me

 Business Continuity Forwarding Block Unwanted Callers Selective Call Forwarding Enhanced Voicemail Rollover Hunting

 Three-way Calling Call Return (*69) · Caller ID with Call Waiting · Call Waiting

Busy Redial (*66)

Smart Router

Professional Installation

 Caller ID Private Outbound Calling Enhanced 911

- Time-Of-Day Forwarding - Call Forward On Busy or No Answer Outbound Cailer ID Name

each 250 minutes \$ Optimum Voice Toll-Free 9.95 14.95 Virtual Receptionist Optimum Business Account Center No additional cost Equipment/Installation one time charge Battery Backup Transfer Current Phone Number Included Professional Installation 1-4 lines 46.95 5-8 lines 99.95 9-12 lines \$ 169.95 Optimum Business Trunking & PRI (Primary Rate Interface) Call Sessions each session \$ 29.95

(minimum 4 sessions, up to 24" sessions) Additional DIDs each set of 10 \$ 1.95 (up to 100 DIDs) Installation \$ 169.95 *Up to 23 for PRI

Internet. Reliable high-speed internet access for your business.

No additional cost

	per	month	Optimum Online Static IP	per	month
Optimum Online	\$	59.95	1 IP	\$	10.00
Optimum Online Ultra 50 (with Optimum Online)	\$	79.90	5 IPs	\$	25.00
Optimum Online Ultra 101 (with Optimum Online)	\$ 7	109.95	13 IPs	\$	50.00
•			29 IPs"	\$	70.00
Equipment/Installation	one time of	charge			
Modem	s	4.95			

[†]Only available with Optimum Online Ultra 50 or Optimum Online Ultra 101. [†]Only available with Optimum Online Ultra 101.

Turn your business into an Optimum hotspot.

Deliver the highest level of service and convenience to your customers by being part of the nation's largest and most advanced WiFi network. By making your business an Optimum hotspot, you can offer your customers free internet access throughout your entire building. Find out how at the Optimum hotspot hosting link in the Business Account Center.

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For Small Offices & Businesses:

Broadcast Baisc: \$29.95 per month Optimum Business Value: \$64.95 per month Optimum Business Preferred: \$74.95 per month

For Restaurant & Bar Owners:

Broadcast Baisc: \$29,95 per month Optimum Entertainment Value: \$104.95 per month Optimum Entertainment Preferred: \$114,95 per month

*Includes \$7.80 per month for a digital cable box and remote.

Optimum Preferred

Over 255 channels, with over 95 HD channels. Includes Optimum Value and Broadcast Basic, plus:

American Heroes Channel Barclay's Premiere League @ BBC America III **BBC World News** 8TN CO CBS Sports NetworkIII Centric CMT Cooking Channel IIII Destination America (19) Discovery Family Channel Disney XD [27] DIY Network ID FSPNEWS* EDI **ESPNUMB** Escuine Network (37) EuroNews FOX Deportes Fusion 🕮 FX Movie Channel FYIED The Golf Channel [22] Great American Country Hallmark Channel Hallmark Movies & Mysteries III3 IFC 00 Investigation Discovery @ Logo TV MLB Network III MTV Hits MTV Tr3s Nat Geo Wild @ NFL Network (20) Nick Jr. Micktonne TV OWN Paliadia (HD only) Science Channel III Scrout SundanceTV

Optimum Value

Over 185 channels, with over 70 HD channels. Includes Broadcast Basic, plus: Sports Overflow EE

Travel Channel 🕮

Turner Classic

USA Network (III)

Channel ED

YES Network #

Velocity (HD only)

Movies @

Syfy 🕮

TBS @D

TLC 100

TNT 1993

A&F CEI ABC Family 2013 AMC III Animal Planet 400 ASIPRE RET EIG Bloomberg TV III Boomerang truTV #E Bravo 🖾 C-SPAN3 @ Cartoon Network 🕮 TV Land 🕮 Universal (HD only) Classic Arts Showcase CNBC 100 CNNEE **CNN Headline News** VHIDE Cornedy Central ED WE NUMBER The Weather Network (HD only) Daystar Discovery Channel III Disney Channel @ Disney Junior 🕮 E! 🕮 ESPN III ESPN2 203 EWIN Food Network 🖾 **FOX Business** Network 🖾 FOX News Channel 000 FOX Sports 1 100 fuse@9 FX (100) FXX III Galavisión 🖾 HGTV (100) History ED H2.00 lewish Broadcasting Service Lifetime [20] MSG 🚥 MSG Plus 500 MSNBC [22] MTV 000 MTV2 200 National Geographic Channel 600

NBCSN 📼

Oxygen IIII

Spike TV III

Nickelodeon 33

ReetzChannel 🕮

SportsNet New York @9

Broadcast Basic

Antenna TV

C-SPAN

C-SPAN2

WLIW Create

WLIW World

WMBC

Up to 50 local networks, public access and government channels, including ABC, CBS, FOX, NBC and News 12,

WNBC (NBC) (FE

WNYJ

WNIU (Telemundo) (IB)

WNYW (FOX) (ED COZITY 223 DECADES WPIX (CW) III Estrella TV WPXN (ION) 400 **EVINE Live** WRNN WXTV (Univisión) 🕮 ExitosTV Government Access EVINE Live HSN2 Jewelry Television Kids Thirteon LAFF TV Leased Access Live Well (HD Only) Local Programming Movies! Network MundoFOX [15] My9 (WWOR) @ News 12 Hudson Valley 20 News 12 Traffic & Weather 100 NITV NYC Life 22 NYS Legislative TV Optimum Channel III Optimum Channel Guide Public Access QVC 🕮 QVC Plus Thirteen (PBS) @ This TV Trinity Broadcasting Network UniMAS 🕮 WABC (ABC) WCBS (CBS) WLIW (PRS) III

"Not available for Optimum Entertainment Preferred

EEI indicates HD is available.

Teen Nick

VH1 Classic

VH1 Soul

Z Living

Univisión Deportes Network 120

TV One

A digital cable box, HD digital cable box or a CableCARD is required for each TV. A QAM tuner may access channels in Broadcast Basic, See Important Information for CableCARD com-An HD digital cable box or a CableCARD is required to receive high-definition services. All HD services also require an HDTV.

The below can be added to any TV package unless otherwise noted.

DVR

\$11.95 per outlet, per month

Record and play back movies, shows, games and more for your employees or customers.

A DVR digital cable box or an HD DVR digital cable box is required. Not available for all business outcomers. Cell for details,

Not exclude to Optimum Entertainment Value and Optimum Entertainment Reviewed out ontertain

Music Choice

\$34.95 per month

50 uninterrupted commercial-free digital music channels.

70's	Hit List	Reggae
80's	Jazz	Rock
90's	Kidz Only!	Rock Hits
Adult Alternative	Light Classical	Romances
Alternative	Love Songs	Singers & Swing
Blues	MC Indie	Smooth Jazz
Classic Country	Metal	Soft Rock
Classic Rock	Mexicana	Solid Gold Oldies
Classical Masterpieces Contemporary Christian Country Hits Easy Listening Dance/EDM Gospel Hip-Hop and R&B Hip-Hop Classics	Musica Urbana Party Favorites Pop Country Pop Hits Pop Latino Pop Rhythmic R&B Classics R&B Soul Rap	Sounds of the Season Soundscapes Stage & Screen Teen MC Throwback Jazz Today's Country Toddler Tunes Tropicales Y2K

Music Choice^a can be purchased separately. Requires a digital cable box, HD digital cable box or a GableCARD for each YL, Subscribers may be responsible for obtaining payment of additional music floatisting or copyright fees for any music contained in the Music Choice^a channels and other programming channels.

Sports

Optimum Seasonal Sports

call for rates

Access college & professional games from across the country.

ESPN Full Court, ESPN Game Plan, MLB Extra innings, MLS Direct Kick, NBA League Pass, NHL Center Ice

A digital cable box, HD digital cable box or a Cable CARD is required for each TV to receive these channels. See Important Information for Cable CARD compatibility, Availability and

Optimum Sports & **Entertainment Pak**

\$8.95 per month

\$ 20,95 per month

Catch all of the local & out-of-town sports action. Includes:

belN Sports', belN Sports on Español', BTN', ESPN Classic', ESPN Goal Line/Buzzer Beater, FOX Soccer Plus', FOX Sports 2, GOL TV, GSN, MayTV, NBA TV, NFL RedZone. NHL Network, Outdoor Channel, Sportsman Channel, TVG Network, Willow, World Fishing Network

Not available to Broadcast Basic outtomers.

*Not available to Optimum Entertainment Value and Optimum Entertainment

A digital cable box, HD digital cable box or a CableCARD is required for each 1V to receive those channels. A digital cable box or an HD digital cable box is required for ESPN Goal [freeParker Beater SD/HD. See Important Information for CableCARD compatibility.

Additional Sports Channels

belN Sports	call for rates
belN Sports en Español	call for rates
BTN	call for rates
ESPNEWS/ESPN Classic	\$ 29.95
FOX Deportes	\$ 34.95
FOX Soccer Plus	call for rates

A digital cable box, HD digital cable box or a CableCARD is required for each TV.

International Programming

Optimum en español

Enjoy over 50 Spanish-language channels from Latin America, the Caribbean, Spain and Mexico.

TVE Internacional Cartoon Network (SAP) CBeebies Discovery Familia Disney XD (SAP) Enlace ESPN Deportes Supercanal Atres Series Caribe SUR Perú Univision Deportes Azteca America belN Sports en Espeñol Buenavision TV EWTN Español FOROtv MTV Tr3s centroaméricaty Ecuavisa Nat Geo Mundo Univision tinovelas telefe internacional Cine Latino
Cine Mexicano
CNN en Español ViendoMovies FOX Use GOLTV **NBC Universo** Telemicro NTN24 Internaciona El Garage TV History en Español Nuestra Tele Pasiones WAPA America Cuba Play Caracol TV Domínicana TV Chile Discovery en Español Ella HTV música

"Not available to Optimum Entertainment Value and Optimum Entertainment Praiemed customers.
Adigital cable box, HD digital cable box or a Cable CARD is required for each TV to receive these channels. See Important Information for Cable CARD compatibility.

Optimum International price per month

Stay connected with information around the world with the in-language package or individual channel that's right for your business. Optimum Premier South Asian* \$ 9,95 \$ 39.95 Optimum French (TV5MONDE) (Willow, TV Asia, ITV Gold, Zee TV, SET Asia, Star India Plus, Star India Gold, Life OK) Optimum Africa (Afrotainment, Noire Africa) \$ 6.95 Optimum Caribbean (CEEN, CaribVision, Tempo) \$ 6.95 Optimum Russian \$ 29.95 Individual Selections: (RTVi, Channel 1 Russia, RTN, NTV America, CTC, \$ 29.95 TV Japan RYR Planeta TelleKlub Optimum Polish (TV Polonia, iTVN, TVN24) \$ 29.95 TV Polonia \$ 24.95 Optimum Japanese (TV Japan, ONE World Sports) \$ 29.95 Channel 1 Russia, CTC, NTV America, RTN, RTR Pianeta, Israeli Network, RTVi, TeleKlub. Optimum South Asian \$ 24.95 TV Globo each \$ 14.95 (Willow, TV Asia, ITV Gold, Zee TV, SET Asia) Optimum Brazilian (TV Globo, TV Record) \$ 1995 Antenna Satellite, ART, CCTV-4, Ontimum Chinese \$ 14.95 The Chinese Channel, ET Global NY, (CCTV-4, ET Global NY, The Chinese Channel, ONE World Sports, Phoenix North American Chinese Channel, Phoenix InfoNews Channel) The Filipino Channel, GMA Pinoy TV, ITV Gold, iTVN, lus Puniabi. The Korean Channel -TKC. Life OK*, MBC, Mediaset. Mega Cosmos, Phoenix InfoNews Channel. Optimum Korean (MBC, The Korean Channel-TKC, CTS America, Phoenix North American Chinese Channel, KBS World, ONE World Sports) \$ 14.95 Rai Italia, SET Asia, SPT, Star India Gold', Optimum Filipino (The Filipino Channel, GMA Pinov TV) \$ 14.95 Star India Plus*, TV5MONDE, TV Asia, TVN24, Optimum Greek (Antenna Satellite, Mega Cosmos) \$ 14.95 TV Record and Zee TV each \$ 9.95 Optimum Italian (RAI Italia, Mediasel) \$ 14.95 Afrotainment, CaribVision, CEEN, DW Amerika, NTD TV, Noire Africa, RTPi, Tempo each \$ 4.95 Optimum Portuguese (SPT, RTPi) \$ 10.95 Optimum Arabic (ART) \$ 9.95 ONE World Sports \$ 2,95

Bold indicates HD is available. ¹Not available to Optimum Entertainment Value and Optimum Entertainment Preferred outtomers.
A digital cable box, HD digital cable box or a CableCARD is required for each TV to receive these channels, See Important Information for CableCARD compatibility.

////Cablevision

Proof of Performance File Documents Rockland Summer 2015

Proof Documents	Semi-Annual Filing
Company System Data Cover Sheet	Х
Community served list	X
System Test Point Data & Locations List	X
Design, Equipment & Personnel list	X
Current Channel Line up (all)	X
Test Summary sheet (Public File)	X
TEST	,
Aural center frequency. (4.5Mhz +/-5kHz)	
Visual signal level (min +3db)	X
Visual signal level 24 HR Test (max 8db)	X
Visual signal level (+/-3db within 6Mhz adjacent)	X
Visual signal level (13db overall, 550 Mhz bandwidth)	X
Visual / Aural Ratio (10 to 17db below visual level)	X
In Channel Response Test (+/- 2db .75 to 5Mhz)	
Visual signal level to System noise (better than 43db)	X
Coherent Disturbances Ratio (CSO >51dbc CTB >51)	
Terminal Isolation (min. 18db) (Use Mfr Spec.)	_ X
Hum (3% of visual carrier)	X
Signal Leakage Monitoring	X
Labeling Files	
Summer 2015	X
l	



FCC Required Proof Documentation Rockland Summer 2015

Outside Plant				Every	# of Charmels to be test	1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Require	d docume	ntation
Rule #	Description	Test Location	2x a Year	3 Years	All <u>4+ 1</u>	4+	One	Technical file	Public file	Compliance
76.605 (a) (2)	Aural center frequency. (4.5Mhz +/-5kHz)	Customers Tap								
76.605 (a) (3)	Visual signal level (min +3db)	Customers Tap	x		x			X	x	х
76.605 (a) (4)	Visuai signal level 24 HR Test (max 8db)	Customers Tap	х		x			X	х	х
76.605 (a) (4) (i)	Visual signal level (+/-3db within 6Mhz adjacent)	Customers Tap	x		x			_ x	х	х
76.605 (a) (4) (ii)	Visual signal level (13db overall, 550 Mhz bandwidth)	Customers Tap	x			х		Х	x	X
76.605 (a) (5)	Visual / Aural Ratio (10 to 17db below visual level)	Customers Tap	x			Х		X	х	х
76.605 (a) (6)	In Channel Response Test (+/- 2db .75 to 5Mhz)	Customers Tap	<u> </u>							
76.605 (a) (7)	Visual signal level to System noise (better than 43db)	Customers Tap	x			Х		х	х	х
76.605 (a) (8)	Coherent Disturbances Ratio (CSO >51 dbc CTB >51)	Customers Tap								
76.605 (a) (9)	Terminal Isolation (min. 18db) (Use Mfr Spec.)	Customers Tap	X		N/A	N/A		Х	х	х
76.605 (a) (10)	Hum (3% of visual carrier)	Customers Tap	Х				Х	Х	Х	х
76.605 (a) (12)	Signal Leakage Monitoring	100% of System	4X A Year				х	Х	Х	х
Inside Plant Rule #	Description	Test Location	2x a Year	Every 3 Years	# of Channels to be test All 4+ 1	111170/07A	One	Require	i documer	ntation Compliance
76.605 (a) (2)	Aural center frequency. (4.5Mhz +/-5kHz)	Head End	х			X		Х	Х	
76.605 (a) (5)	Visual / Aural Ratio (10 to 17db below visual level)	Head End	х		×			X	X	
76.605 (a) (11) (i)	Chrominance - Luminance Delay (Within 170 NSEC)	Head End		х		х		x	Х	
76.605 (a) (11) (ii)	Differential Gain (+ / - 20%)	Head End		Х		х		Х	х	
76.605 (a) (11) (iii)	Differential Phase (+ / - 10 Degrees)	Head End		Х		х		Х	Х	



Semi-Annual Proof of Performance Data Rockland Summer 2015

COVER SHEET

	COVER SI				
SYSTEMINEORMATION				PSID#_	3173
Corporate Name:	Cablevision				
Company Name:	C.S.C. TKR				
Managing Director:	Mark Quirk		<u> </u>		
System Name:	Cablevision/Rockland				
Address:	235 West Nyack Road				
Town:	West Nyack	State:	NY	Zip Code:	10994
Area PM Manager:	Mark Quirk	,			
Telephone Number:	201 651-4033				
SYSTEMIDATA					
System Mileage:	1875				
System Bandwidth:	750 MHZ				
Active Channels:	123				
101110 011011110101					
	110,000				
# of Customers:	110,000 17				
# of Customers; # of PM Field Techs: Highest Operating Frequency:					
# of Customers: # of PM Field Techs:	17				
# of Customers: # of PM Field Techs: Highest Operating Frequency: HEADEND INFORMATION:	17				
# of Customers: # of PM Field Techs: Highest Operating Frequency: HEADEND INFORMATION:	17 787.25				
# of Customers: # of PM Field Techs: Highest Operating Frequency:	17 787.25 Jim Feldner				
# of Customers: # of PM Field Techs: Highest Operating Frequency: HEADEND INFORMATION: I.S.P. Director: I.S.P. Manager Head End (Name):	17 787.25 Jim Feldner Bob Manett				
# of Customers: # of PM Field Techs: Highest Operating Frequency: HEADEND INFORMATION: I.S.P. Director: I.S.P. Manager Head End (Name): Head End Address:	17 787.25 Jim Feldner Bob Manett Nanuet	State:	NY	Zip Code:	10954
# of Customers: # of PM Field Techs: Highest Operating Frequency: HEADEND INFORMATION: I.S.P. Director: I.S.P. Manager Head End (Name): Head End Address: Town:	Jim Feldner Bob Manett Nanuet 410 Route 59	State:	NY	Zip Code:	10954
# of Customers: # of PM Field Techs: Highest Operating Frequency: HEADEND INFORMATION: I.S.P. Director: I.S.P. Manager Head End (Name): Head End Address: Town: Telephone Number:	17 787.25 Jim Feldner Bob Manett Nanuet 410 Route 59 Nanuet	State:	NY	Zip Code:	10954
# of Customers; # of PM Field Techs: Highest Operating Frequency; HEADEND INFORMATION: I.S.P. Director: I.S.P. Manager Head End (Name): Head End Address: Town: Telephone Number: TEST INFORMATION:	17 787.25 Jim Feldner Bob Manett Nanuet 410 Route 59 Nanuet 201- 569- 3720			Zip Code:	10954
# of Customers; # of PM Field Techs: Highest Operating Frequency: HEADEND INFORMATION: I.S.P. Director: I.S.P. Manager Head End (Name): Head End Address: Town: Telephone Number: TEST INFORMATION: Testing Date(s):	Jim Feldner Bob Manett Nanuet 410 Route 59 Nanuet 201- 569- 3720	e retained for 5 Ye		Zip Code:	10954
# of Customers: # of PM Field Techs: Highest Operating Frequency: HEADEND INFORMATION: I.S.P. Director: I.S.P. Manager Head End (Name): Head End Address: Town: Telephone Number: Testing Date(s): Retention Period: (Discard Date)	17 787.25 Jim Feldner Bob Manett Nanuet 410 Route 59 Nanuet 201- 569- 3720 7/30/2015 to 8/8/2015 (All Proof documents are required to be	e retained for 5 Ye		Zip Code:	10954
# of Customers: # of PM Field Techs: Highest Operating Frequency: HEADEND INFORMATION: I.S.P. Director: I.S.P. Manager	17 787.25 Jim Feldner Bob Manett Nanuet 410 Route 59 Nanuet 201- 569- 3720 7/30/2015 to 8/8/2015 (All Proof documents are required to be 5 Years (202)	e retained for 5 Ye		Zip Code:	10954

Form Prepared By:	Randy McMaster	Date:	August 25, 2015
	(SIGNATURE)		

Attachments: Community List, System design distortion, Test Point Locations, Test Equipment, Personnel List and a current channel Line up.

//// CABLEVISION

Semi-Annual Proof of Performance Data Rockland Summer 2015

<u>FCC Rules & Regulations, Subpart A - General, 76.5 (dd) Definitions, Community Unit.</u> A cable television system, or portions of a cable television system that operates or will operate within a separate and distinct community or municipal entity.

COMMUNITIES SERVED BY THIS HEADEND: (Franchise issuing Municipalities)

PSID # 3173

C.U.I.D. #		G.U.I.D.#	
(FCC Community I.D. #)	Community Name	(FCC Community I.D. #)	Community Name
NY1488	Chestnut Ridge		
NY1263	Wesley Hills		
NJ0489	Montvale		
NY0447	Spring Valley		
NY0448	Ramapo		
NY0449	Clarkstown		
NY0794	Orangetown		
NY1643	Airmont		
NY0869	Upper Nyack		
NY0870	South Nyack		
NY0871	Piermont		
NY0872	Nyack		
NY0873	Grandview		
NY1464	New Hempstead		
NY1601	Montebello		
NJ0421	Mahwah		
NY0906	Tuxedo		
NY0939	Tuxedo Park		
NY0938	Hillburn		
NY0905	Sloatsburg		
NY0842	Suffern		
NY1662	Ramapo Corridor		
	Haverstraw		
	Stony Point		
	Pomona		
	West Haverstraw		
	Garnerville		
	TomkinsCove		
	Thiells		



Semi-Annual Proof of Performance Data Rockland Summer 2015

SYSTEM PROOF TEST POINTS

PSID # 3173

TEST. PT. #	NODE#	LOCATION (Street & Town)	POLE#	HOUSE #	TAP VALUE	LÆ CASCADE
1	69C121	Woodglen Dr	59145/42574	36	8	3
2	69D123	Glenbrook Rd.	57119	3	23	_3
3	69A110	Magnolia St	Y 11	158	20	2
4	69B110	Oak Tree & Horne Tooke Rd.	61219/36970	515	23	3
5	69C101	Old Haverstraw Rd	60678/42235	128	23	3
6	69A102	Ruterford PI	58544/38034	2	23	2
7	69A130	Ackerman Ave	56067/40112	4	8	2
8	69A115	Veterans Memorial Dr	60032/38514	& Blue Hill	23	3
9	70B104	South Gate Rd	52874/47713	& Stuart Ter.	17	2
10	70D101	Orange Tpk. (RT 17)	53898/42592	195	23	5
11	63D104	Oakdale Manor	55228/40550	15	23	4
12	63D106	Tam O'Shanter	56254/39505	89	17	5
13	69F117	Theils Rd	58882/44583	18	11	3
14	69F156	Camphill Rd	57632/43336	129	20	3
15	69F143	Rosmann Rd	58785/43906	25	8	3
			_			
					<u> </u>	
					<u></u>	
						<u> </u>
	_					



Semi-Annual Proof of Performance Data Rockland Summer 2015

FCC Rules & Regulations, Subpart K - Technical Standards, 76,601 (c) (1). below is a list of people performing the test and their qualifications as well as a list of the test equipment used to perform those test, including make, model, serial number and most recent calibration date.

Personnel Performing Tests

P\$ID# 3173

Employee(S) NAME(S)	POSITION/TITLE	TEST(S) PERFORMED	YEARS EXPERIENCE
Keith Cuomo	Maintenance Tech	Distortion & 24 Hours	19
Chris Skowron	Maintenance Tech	Distortion & 24 Hours	9
<u></u>			
		·	

Test Equipment Used

DESCRIPTION	MANUFACTURE	SERIAL#	MODEL#	CALIBRATION DATE
CX380	VEEX	TCHB08MO110880	CX380	01/10/15
CX380	VEEX	TCHB08MQ110882	CX380	01/10/15

GENERAL INFORMATION

<u>FCC Rules & Regulations, Subpart K, Technical Standards, 76.601(a)</u>, this Cable Television System has been designed to comply with all applicable FCC rules & regulations. Current design specification limits of this system are as follows:

Without Converter	With Converter	
dB		dBc
dBc		_dBc
dBc		dBc
	dB	dBc

<u>FCC</u> Rules & <u>Regulations</u>, <u>Subpart K</u>, <u>Technical Standards</u>, <u>76.605 (A)(1)(i)</u>, all authorized video signals delivered to the customer terminals are capable of being displayed by a TV broadcast receiver used for off-the-air reception of TV broadcast signals, as authorized under part 73 of the Commission's rules.



PSID #	3173	
FOID#	0170	

ummer	2015									PSID#	<u> </u>	/3	
	COR	PORAT	E COM	PLIANCE	PROO	F OF PE	ERFORM	/ANCE	DIGITAI	LTESTS	S RESU	LTS	
Date:	2015-07-3			74,0000 (PAGE APA - 1204 0 C		A.R.Oahmontapa.	nician(s):	Burdiol Highwa	erre ne ne haber	0.2000000000000000000000000000000000000	. (0) 100 400000000000000000000000000000000		
•	stem Test						leadend:				dand		
•				•	3				_			·	
L	_ocation:			oodglen [
Node #	69C121		-	CASCADI	E, Amps	3		L/E's	2	Ta	ıp Value:	8	
will be te tested: F bandwid from	ested: First First QAM th is consis Analog (a H	P QAM From Analogits of major	m Analog, a og, a HSD G rity QAM a a Must Car	tions: Techn HSD QAM, QAM, a Must Channels, a Q ry QAM, a H e Stored w	a Must Car Carry QAI AM Channe D QAM, a	rry QAM, o M, a HD QA el will be te VOD QAM	t HD QAM o AM, a VOD ested in eve	and a VOD (QAM and t ry +/-50Mh	QAM. On 8 he Highest ız of spaci	860 MHz sy Frequency ng starting	stem 12 Q QAM. On from the 1	AM Channel a system wl First QAM	s will be here the channel
				be aquired		•	ır variatio	n tests an	d taken 1	from pass	one (1).		
Channel	Freq (MHz)	Name	Level (dBmV)	MER (dB)		Post-BER	Freq Resp (dB)	HUM (%)	Group Delay (ns)	EQ Stress (dB)	Est. Noise Margin (dB)	EVM (%)	Phase Jitter (deg)
4	69	None	20.7	41.2	0.00E+00	0.00E+00	0.9	0.20%	22	-42.8	5.9	0.5	0.288
95	93	None	20.6	41.4	0.00E+00	0.00E+00	1.1	0.20%	22	-43.1	6	0.5	0.289
23	219	None	20.6	40.5	0.00E+00	0.00E+00	1.7	0.20%	38	-44	5.2	0.6	0.384
51	387	None	22.3	40.2	0.00E+00	0.00E+00	3.6	0.10%	47	-40	4.7	0.6	0.674
63	387	None	22.3	40.2	0.00E+00	0.00E+00	3.6	0.10%	47	-40	4.7	0.6	0.674
74	525	None	21.9	40.5	0.00E+00	0.00E+00	1.5	0.10%	20	-42.9	5	0.6	0.479
87	603	None	22.5	40.3	0.00E+00	0.00E+00	2.3	0.10%	23	-42.6	4.8	0.6	0.672
89	615	None	22.5	40.5	0.00E+00	0.00E+00	2.3	0.10%	42	-41.3	4.9	0.6	0.673
91	627	None	23.2	40.8	0.00E+00	0.00E+00	2.3	0.10%	33	-42.6	5.1	0.6	0.477
107	693	None	22.9	40.2	0.00E+00	0.00E+00	2.3	0.20%	27	-41.6	4.6	0.6	0.385
116	747	None	23	40.1	0.00E+00	0.00E+00	2.7	0.10%	51	-40.6	4.5	0.6	0.095
QAM sign				<i>Testing)</i> , hogulations. (3			and has pas	ssed the re	equiremer Yes	nts X	l No		<u> </u>
OMMEN	ITS:												
ctual pr	oof docur	nents and	l verify th	e to the Ru e above is a address wh	a true sun	nmary. Th	ne System	s Technic					wed the
PM Field	d Operation	ons Supe	ervisor:					_	Date:			-	
PM Field	d Operatio	ons Mana	ager:		(Sign	ature)			Date:				
	- opolati	J. 10 1710111	~9v.,		(Sign	ature)	 -	-	J 416.			-	

Cablevision FCC 24 Hour POP

Location Woodglen Dr

Date

2015-07-31 11:01:55

					NO CONTROL PARTE OF THE		
Channel	Frequency (MHz)	PASS 1 Time	PASS 2 Time	PASS 3		24 Hour Variation	24 Hour Result
2	57	21.1	21.6	20.9	21.4	0.7	PASS
3	63	21.4	21.3	20.7	21.3	0.7	PASS
4	69	20.7	21.4	21.2	21.2	0.7	PASS
5	79	20	19.8	20.3		0.5	PASS
6 95	85 93	19.8 20.6	19.9 20.9	19.9 20.8	19.9 20.8	0.1 0.3	PASS PASS
96	99	20.9	20.9	20.4	21.3	0.9	PASS
98	111	21.7	22.2	21.8	22.3	0.6	PASS
14	123	20.5	20.9	20.7	21	0.5	PASS
15	129	_ 20.1	19.8	20.3	20.1	0.5	PASS
16	135	20.8	20.7	20.7	20.8	0.1	PASS
18 21	147 165	19.4 20.3	19.5 20.4	19.8 20.1	19.7 20.3	0.4	PASS PASS
22	171	20.4	19.5	20.1	20.1	0.9	PASS
7	177	20.1	20.7	20.2	20.5	0.6	PASS
- 8	183	19.9	19.8	19.9	20.6	0.8	PASS
99	189	19.8	20.5	20.5	20.6	0.8	PASS
10	195	20.3	20.5	20.5	20.8	0.5	PASS
11 12	201	20.5	20.6 21	20.1	20.7	0.6 1.5	PASS PASS
13	213	20.6	21.1	21.5	21.4	0.8	PASS
23	219	20.6	21.5	21.4	21.6	1	PASS
24	225	20	20	20	20.1	0.1	PASS
25	231	19.9	20.4	20.2	21	1.1	PASS
26	237	19.1	19.4	19.6	19	0.6	PASS
27	243 249	20.6 19.8	21.1	20.8	20.5	0.6	PASS PASS
29	255	19.6	19.8	19.4	19.8	0.4	PASS
30	261	20.4	20.2	20.3	20.4	0.2	PASS
31	267	19.7	20	19.9	20.1	0.4	PASS
32	273	19.7	20.4	20.1	19.9	0.7	PASS
33	279	19.8	19.9	19.6	20	0.4	PASS
34	285 291	19.3 19.3	19.5 19.8	19.5 19.7	19.2 19.5	0.3	PASS PASS
36	297	19.3	19.2	19.7	19.1	0.4	PASS
37	303	18.9	19.5	19.4	19.3	0.6	PASS
38	309	19.7	19.3	19.6	20.1	0.8	PASS
39	315	19	19.5	20	20	1	PASS
40	321	21.4	22.2	21.7	22.2	0.8	PASS
41	327 333	21.8 21.5	21.6 21.9	22.2	22.2	0.6	PASS PASS
43	339	21.2	22	22.1	22.1	0.9	PASS
44	345	21.3	21.6	21.5	20.8	0.8	PASS
45	351	21.7	22.5	22	22.1	0.8	PASS
46	357	21.8	22.4	22.4	22.7	0.9	PASS
47	363	21.9	22.4	22.4	22.3	0,5	PASS
48	369 375	21.9	22.4 21.9	22.4	22.4	0.5	PASS
50	381	21.1	21.8	22 22.1	22.2 21.7	0.8	PASS PASS
51	387	22.3	22.6	23	22.2	0.8	PASS
52	393	22	22.2	22.4	22.4	0.4	PASS
53	399	21.6	22.7	22.4	22.4	1.1	PASS
55	405	22	22.6	22.8	22.9	0.9	PASS
56	411	22 22.7	22.9	22.9	23.2	1.2 0.7	PASS PASS
57	423	22.6	22.4	23.4	22.7	0.7	PASS
58	429	21.8	21.7	22.1	22.2	0.5	PASS
59	435	20.8	21.1	20.9	21.4	0.6	PASS
60	441	20.5	21	21.2	21.2	0.7	PASS
62 63	453 459	21.6 21.3	21.3	21.8	21.6	0.5	PASS
64	465	20.6	20.8	21 20.6	21.2	0.5	PASS PASS
65	471	21	21.2	21.2	21	0.2	PASS
66	477	21.5	21.2	21.9	21.2	0.7	PASS
67	483	21.8	21.7	21.6	21	0.8	PASS
68	489	22.6	22.4	23.1	23.1	0.7	PASS
70 70	495 501	22.9	22.6 21.5	22.9	22.5	0.4	PASS PASS
71	507	21.6	20.5	21.3	21.7	1.1	PASS
72	513	21.5	19.3	20.7	20.4	2.2	PASS
73	519	21.2	19.4	20,4	20.4	1.8	PASS
74	525	21.9	20.4	21	20.1	1.8	PASS
75	537	21.2	21.3	21.2	21	0.3	PASS
77	543 555	21.2	21.3	21.5	21.2	0.3	PASS
80	561	18.7	20.2	19.8	19.8	1.5	PASS PASS
	· · · · · · · · · · · · · · · · · · ·		22.0	1 - 66.1		1.0	FA33

81	567	21.8	23.3	22.6	23.1	1.5	PASS
82	573	18.7	19.9	20.2	20.3	1.6	PASS
83	579	18.8	19.1	19.2	19.5	0.7	PASS
84	585	22.3	22.3	22.4	22.1	0.3	PASS
85	591	21.7	21.9	22.3	22.1	0.6	PASS
86	597	21.5	21.4	21.6	21.7	0.3	PASS
87	603	22.5	23.1	22.5	23.5	1	PASS
88	609	23.2	23.4	22.9	22.9	0.5	PASS
89	615	22.5	22.9	23.6	23.1	1.1	PASS
90	621	23	23.2	23.1	23.2	0.2	PASS
91	627	23.2	24.4	23.6	23.3	1.2	PASS
92	633	23.2	23.9	23.7	23.6	0.7	PASS
93	639	23.3	24	23.8	24	0.7	PASS
94	645	23.7	25	25	25.2	1.5	PASS
100	651	23.4	24.6	24.4	24.5	1.2	PASS
101	657	22.6	23.1	23.2	23	0.6	PASS
102	663	22.8	24	23.9	23.8	1.2	PASS
103	669	24.1	23.6	24.6	24.4	1	PASS
104	675	23.6	24.1	24	23.7	0.5	PASS
105	681	23.3	23	23.9	23.5	0.9	PASS
106	687	23.6	23	23.3	22.8	0.8	PAS5
107	693	22.9	22.7	23.1	22.7	0.4	PASS
111	717	23.9	24.3	24.8	24	0.9	PASS
112	723	23.7	24.9	24.5	24.7	1.2	PASS
113	729	24.2	25.5	24.7	25	1.3	PASS
114	735	23.9	23.9	24.4	23.9	0.5	PASS
115	741	23.1	23.9	23.7	22.9	1	PASS
116	747	23	22.9	23.4	23.8	0.9	PASS
117	753	22.6	23.2	23.3	22.8	0.7	PASS
119	765	23.5	23.1	23.4	23.6	0.5	PASS
120	771	22.9	23	23.4	22.9	0.5	PASS



PSID #	3173	
roid #	0170	

Summer	2015									PSID#	31	<u>73 </u>	
	COF	IPORAT	E COM	PLIANCE	PROO	F OF PE	ERFORM	MANCE	DIGITA	L TESTS	S RESL	LTS	
Date:	2015-08-	07 09:28:1	7	_ Time:		Techr	nician(s):			_Chris S	kow <u>ron</u>		
Svs	stem Tes	t Point #	2	-			leadend:			Rock	dand		
•	_ocation:			- Ienbrook F	td								,
								-					
Node #	69D123	<u> </u>		CASCAD	E, Amps	3		L/E's	2	Te	p Value:	2:	3
will be te tested: F bandwid from	ested: First First QAM th is consis Analog (a H	t QAM From Analogits of major	m Analog, o og, a HSD (rity QAM a Must Car	ations: Techn a HSD QAM, QAM, a Must channels, a G rry QAM, a H pe Stored w	a Must Cai Carry QAI (AM Channe ID QAM, a	rry QAM, o M, a HD QA el will be te VOD QAM	i HD QAM (AM, a VOD ested in eve	and a VOD QAM and t ry +/-50MI	QAM, On 8 he Highest nz of spaci	860 MHz sy Frequency ng starting	stem 12 Q QAM. On from the	AM Channel a system wl First QAM	s will be here the channel
1. All Di	igital mea	surement	Data will	be aquired	during ti	he 24 Hou	ır variatio	n tests ar	nd taken '	from pass	one (1).		
Channel	Freq (MHz)	Name	Level (dBmV)	MER (dB)	Pre-BER	Post-BER	Freq Resp (dB)	HUM (%)	Group Delay (ns)	EQ Stress (dB)	Est. Noise Margin (dB)	EVM (%)	Phase Jitter (deg)
4	69	None	13.2	39.6	1.10E-09	0.00E+00	1.7	0.10%	22	-41.6	5	0.6	0.481
95	93	None	11.5	39.5	0.00E+00	0.00E+00	1.5	0.001	19	-44.1	5	0.7	0.575
23	219	None	15.5	39.8	0.00E+00	0.00E+00	2.6	0.001	34	-41.4	5	0.6	0.584
51	387	None	15.4	39.5	0.00E+00	0.00E+00	1.2	0.002	22	-43.7	4.7	0.7	0.479
63	387	None	15.4	39.5	0.00E+00	0.00E+00	1.2	0.002	22	-43.7	4.7	0.7	0.479
74	525	None	16.1	39.7	0.00E+00	0.00E+00	3.1	0.001	42	-40.7	4.7	0.6	0.001
87	603	None	17.3	39.9	0.00E+00	0.00E+00	2.6	0.001	35	-42	4.9	0.6	0.097
89	615	None	17.5	39.6	0.00E+00	0.00E+00	2.9	0.002	25	-41.6	4.5	0.6	0.962
91	627	None	18	39.3	0.00E+00	0.00E+00	2.1	0.001	24	-42.7	4.2	0.7	0.479
107	693	None	19.6	39.9	0.00E+00	0.00E+00	1.8	0.001	19	-42.7	4.6	0.6	0.765
116	747	None	20	40.3	0.00E+00	0.00E+00	1.1	0.001	25	-43.6	5	0.6	0.573
QAM sig	ATE COMP	<u>Variance (</u>		<i>Testing)</i> , he	•		and has pa	ssed the r	equiremer Yes	x X] No		
actual pr documen	oof docur it and is l	nents and ocated at	l verify th (Add the	ee to the Ru e above is a address wh	a true sur	nmary. Th	ıe System	s Technic	al Inspec				ved the
CIMI LIGIC	a Operati	ons Supe	A VISUE:		(Sion	ature)		-	Date:		 	-	
PM Field	d Operati	ons Mana	ager:		10.911	 /			Date:				
	- 1				(Sign	ature)	·	-				-	

Cablevision FCC 24 Hour POP

Location Glenbrook Rd.

Date 2015-08-07 09:28:17

	2010 00 07 05120.1	·					
		PASS 1	PASS 2	PASS 3	10.13.00		
Channel 2	Frequency (MHz)		Time			24 Hour Variation	24 Hour Result
3	57 63	11.7 11.6	11.6 11.4	11.4 11.6	11	0.7	PASS PASS
4	69	11.2	10.7	11.1	10.4	0.8	PASS
5	79	10.5	10.1	9.9	9.9	0.6	PASS
6	85	11	9.9	10.1	9.9	1.1	PASS
95 96	93	9.5	9.9	9.3	8.8	1.1	PASS PASS
98	111	10.9 11.6	9.6 10.8	9.7	9.6 10.6	1.5	PASS
14	123	12.4	11.2	11.2	11	1.4	PASS
15	129	11.9	10.9	11	11.1	1	PASS
16	135	12.2	11.5	10.4	11.1	1.8	PASS
18 21	147	11.4	10.6	10.2	10.2	1.2	PASS
22	165 171	11.4	10.8	10.9	10.9	0.6	PASS PASS
7	177	12.3	11.2	11.3	11.1	1.2	PASS
8	183	12.1	10.8	11.1	10.4	1.7	PASS
9	189	12.7	11.3	11.2	11.1	1.6	PASS
10	195	12.9	11.9	11.6	11.2	1.7	PASS
11	201	12.3 12.8	11.6 11.8		11.4 12	0.9 1.1	PASS PASS
13	213	12.6	12.1	12.5	12.3	0.5	PASS
23	219	13.5	12.6	12.8	13	0.9	PASS
24	225	13.9	13.1	13	13.1	0.9	PASS
25	231	13.2	12.6	12.9	12.9	0.6	PASS
<u>26</u>	237 243	13.6	13.2 13.2	12.7	13.2 13.2	0.9 0.5	PASS PASS
28	249	14.3	13.2	13.1	13.5	1.3	PASS
29	255	13.8	12.9	13.1	12.7	1.1	PASS
30	261	13.5	12.8	12.8	12.1	1.4	PASS
31	267	13.6	13.1	12.8	12.5	1.1	PASS
32	273	13	12.8	12.7	12.7	0.3	PASS
33	279 285	12.1	11.9	12.5 12.6	11.9 12.7	0.6	PASS PASS
35	291	12.5	11.9	12.3	11.5	1	PASS
36	297	12.4	12.1	12	11.7	0.7	PASS
37	303	12.9	11.9	12.4	11.6	1.3	PASS
38	309	12.4	11.9	12.1	11.8	0.6	PASS
39 40	315 321	12.8	11.9	12.1	12.1	0,9	PASS
41	327	13.5 13.8	12.6 12.5	13 12.5	12.8	0.9	PASS PASS
42	333	12.8	12.3	12.5	11.8	1	PASS
43	339	12.6	11.9	11.9	11.7	0.9	PASS
44	345	_ 13	12.6	12.9	12.4	0.6	PASS
45 46	351	14	13.1	13	13.4	1	PASS
47	357 363	14.7	13.4 13.5	13.9 14	13.7 13.3	1.3 0.8	PASS PASS
48	369	13.4	12.9	13.7	13.5	0.8	PASS
49	375	13.2	13	13	13.1	0.2	PASS
50	381	13.4	13.5	13.9	13.3	0.6	PASS
51	387	13.4	13.5	13.2	13.1	0.4	PASS
52	393 399	13.8	13.2 13.3	13.5	13.3	0.6	PASS
54	405	14.1	13.6	13.7	13.5 14	0.5	PASS PASS
55	411	14	13.6	14.3	13.9	0.7	PASS
56	417	14.9	14.2	14.5	14.6	0.7	PASS
57	423	14.3	13.9	14	13.7	0.6	PASS
58 59	429 435	14 13.3	13.6 13.6	13.5 13.7	13.8 13.2	0.5 0.5	PASS PASS
60	441	14	13.6	14	13.7	0.3	PASS
62	453	14.3	13.3	14.6	14.7	1.4	PASS
51	387	13.4	13.4	13.6	14.1	0.7	PASS
64	465	13.1	12.4	12.7	13.4	1	PASS
65	471 477	14.1	13.1	13.4	13.9	1 0.5	PASS
67	477	13.7 13.6	13.1	13.7 13.4	13.7	0.6	PASS PASS
68	489	14.1	14.1	14.5	14.6	0.5	PASS
69	495	14.4	15.1	14.8	15.2	0.8	PASS
70	501	14	14.6	14.4	14.6	0.6	PASS
71	507	12.8	14.4	13.9	13.4	1.6	PASS
72	513 519	13 13.1	14.1	14.1	14.1	1.1	PASS
74	525	14.1	14.7	14.1 15.1	14.3 15.3	1.6	PASS PASS
76	537	14.4	14.8	14.9	14.4	0.5	PASS
77	543	14.6	14.8	14.9	14.9	0.3	PASS
79	555	_ 15	15	15.4	15.5	0.5	PASS
80	561	14.5	14.9	15	15.2	0.7	PASS

81	567	15.1	15.8	15.1	15.1	0.7	PASS
82	573	15.8					
83	579	16	15.9 15.7	16 15.5	15.9 15.4	0.2	PASS
84	585	16.4				0.6	PASS
85	591		16.3	16.1	16.1	0.3	PASS
86		16.1	16.2	15.9	15.8	0.4	PASS
87	597 603	16.8 15.3	15.6	15.3 14.7	16 16	1.5	PASS
88			15.2			1.3	PASS
89	609	16.1	16	14.3	15.6	1.8	PASS
90	615	15.5	16	13.4	15.5	2.6	PASS
91	621	15.4 16	15.5	14.3	16	1.7	PASS
	627		15.6	15.2	16.5	1.3	PASS
92	633	16.2	16	15.3	15.7	0.9	PASS
93	639	16.3	16.4	15.6	15.2	1.2	PASS
94	645	17.1	16.6	16.2	14.9	2.2	PASS
100	651	17.3	18	17.9	15.7	2.3	PASS
101	657	16.9	17.1	17	13.8	3,3	PASS
102	663	16.9	16.9	16.9	14.6	2.3	PASS
103	669	17.5	17.7	17.5	15.5	2.2	PASS
104	675	17.5	18.2	18.3	15.9	2.4	PASS
105	681	18.3	18.1	18.1	17.2	1.1	PASS
106	687	17.9	18.1	18.6	17.2	1.4	PASS
107	693	17.6	18.5	18.2	17.7	0.9	PASS
111	717	16.8	16.5	17	16.7	0.5	PASS
112	723	16.9	16.8	16.8	16.6	0.3	PASS
113	729	19.3	19.3	19.5	18.9	0.6	PASS
114	735	18.6	18.5	19.6	18.9	1.1	PASS
115	741	18.9	18.5	18.7	17.9	1	PASS
116	747	18	18.1	18.7	18.2	0.7	PASS
117	753	18.6	17.9	19.3	18.6	1.4	PASS
119	765	17	17.6	17.3	17	0.6	PAS\$
120	771	17.1	16.5	17.2	16.9	0.7	PASS
							
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PM Field Operations Manager:

Semi-Annual Proof of Performance Data

Rocl	dand	k	
Sum	mer	201	5

Rocklan Summer										PSID#	31	73	
	COR	PORAT	E COM	PLIANCE	PROO	F OF PE	REORN	MANCE	DIGITA	LTESTS	S RESU	ILTS	in District Co.
Date:	2015-08-0	01 10:17:3	6	Time:	A	Techr	nician(s):			Chris S	kowron		
•		t Point #		•			leadend:				land		. <u>.</u>
-				Magnolia S	:t		•	<u> </u>					
	69A110			CASCAD				_		Ta		2	0
will be te tested: F bandwid from ,	ested: First First QAM th is consis Analog (a H	P QAM From Analosts of major ISD QAM, or med and in the med and in the property of the propert	m Analog, c og, a HSD (rity QAM o a Must Car Data to b	tions: Techi HSD QAM, QAM, a Must channels, a G ry QAM, a H e Stored w be aquired	a Must Car Carry QA/ QAM Channe ID QAM, a with VeEX	rry QAM, a M, a HD QA el will be te VOD QAM 380).	HD QAM of AM, a VOD ested in every and the Hi	and a VOD (QAM and t ry +/-50Mi ghest Frequ	QAM. On 8 he Highest nz of spaci uency QAM	360 MHz sy t Frequency ng starting A must be ii	stem 12 Q. QAM. On from the nclude in th	AM Channe a system w First QAM	ls will be here the channel
Channel	Freq (MHz)	Name	Level (dBmV)	MER (dB)		Post-BER	Freq Resp (d8)	HUM (%)	Group Delay (ns)	EQ Stress (dB)	Est. Noise Margin (dB)	EVM (%)	Phase Jitter (deg)
4	69	None	12.2	40.2	0.00E+00	0.00E+00	2	0.20%	36	-41.6	5.6	0.6	0.474
95	93	None	11.4	40.1	3.2E-09	0.00E+00	2.5	0.002	35	-42	5.7	0.6	0.662
23	219	None	13	39.5	3.2E-09	0.00E+00	3.3	0.002	41	-39.9	5	0.6	0.29
51	387	None	12.7	39.2	0	0.00E+00	1.2	0.002	26	-43.2	4.7	0.7	0.193
63	387	None	12.7	39.2	0	0.00E+00	1.2	0.002	26	-43.2	4.7	0.7	0.193
74	525	None	14.6	39.6	0	0.00E+00	3.2	0.002	38	-40.9	4.9	0.6	0.385
87	603	None	14.9	39.5	0	0.00E+00	0.7	0.001	11	-44.1	4.7	0.7	0.193
89	615	None	14.9	39.3	°	0.00E+00	2.4	0.002	33	-41.8	4.5	0.7	0.482
91	627	None	14.3	38.9	0	0.00E+00	3.1	0.002	33	-41	4.1	0.7	0.48
107	693	None	15.8	39	0	0.00E+00	1.3	0.001	19	-44.1	4.2	0.7	0.186
116	747	None	15.7	39.4	0	0.00E+00	3	0.002	46	-40.6	4.5	0.7	0.481
COMMENTAL The above actual producturer	ATE COMP ITS: re data reproof document and is l	PLIANCE F	compliance of the compliance o	Testing), he gulations. (See to the Rule above is address wh	3dB from a	adjacent) alations of the commandary. The commandary is a second commandary in the second commandary in the second commandary is a second commandary in the second commandary in the second commandary is a second commandary in the second com	f Corporat	e Complia s Technic	Yes	X anical Star			
		Jupe	. 11001,		(Sign	ature)		-	- 444.			-	

(Signature)

Date:

Cablevision FCC 24 Hour POP

Location

Magnolia St

Date

2015-08-01 10:17:36

		PASS 1	PASS 2	PASS 3		1	
Channel	Frequency (MHz)	Time	Time This 2	Time		24 Hour Variation	24 Hour Result
2	57	12.3	9.4	9.5	9.4	2.9	PASS
3	63	12.1	9.5	9.9	9.6	2.6	PASS
4	69	12.2	8.6	9.6	8.7	3.6	PASS
5	79	11.4	8.8	9.1	9	2.6	PASS
<u>6</u> 95	85 93	11.7 11.4	9.1	10.1 8.5	9.1	2.6	PASS PASS
96	99	12.3	9.1	9.5	9.4	3.2	PASS
98	111	13.1	10.2	10.8	10.2	2.9	PASS
14	123	12.5	9.6	10.4	10.1	2.9	PASS
15	129	12.2	9.2	10	9.9	3	PASS
16	135	12.6	10.2	10.6	9.9	2.7	PASS
21	147 165	11.3 12.2	9.1	9.6 9.7	8.6 10.2	2.7	PASS PASS
22	171	11.9	9.6	9.6	9.7	2.3	PASS
7	177	11.7	9.9	9.9	9.8	1.9	PASS
8	183	12.1	9.9	9.8	10.1	2.3	PASS
9	189	11.8	9.5	9.8	9.6	2.3	PASS
10	195	12.4	10	10.4	10.2	2.4	PASS
12	201	11.9 11.7	9.4	10	10 9.9	2.5	PASS PASS
13	213	12.2	10.2	11	11.2	2	PASS
23	219	13	10.5	11.4	11.1	2.5	PASS
24	225	14.1	11.8	12.3	11.8	2.3	PASS
25	231	13.7	11.5	11.9	12.1	2.2	PASS
26	237	13.4		12.5	11.9	2	PASS
27	243 249	13.2	11.9	11.8 11.9	12.3	1.4	PASS PASS
29	255	13.6	11.9	11.9	11.9	1.7	PASS
30	261	13.3	11	11.8	11.5	2.3	PASS
31	267	13.3	11.8	11.8	11.6	1.7	PASS
32	273	_11.2	10	9.8	10.5	1.4	PASS
33	279	11.8	9.7	10	9.7	2.1	PASS
34 35		11.2	9.8	9.7	10.1 10.2	1.5	PASS PASS
36	297	11.1	8.8	9.5	9.3	2.3	PASS
37	303	10.7	9.1	9.3	9.4	1.6	PASS
38	309	10.7	9	9.7	9.9	1.7	PASS
39	315	10.6	9.1	9.6	9.8	1.5	PASS
40	321	11.8	10.4	10.2	10.6	1.6	PASS
41 42	327 333	12.5 12.5	10.4	10.9 11.4	11.2 11.5	2.1	PASS PASS
43	339	11.2	9.5	10.4	11.2	1.7	PASS
44	345	11.7	10.2	11.1	10.5	1.5	PASS
45	351	12.4	10,6	11.5	11.4	1.8	PASS
46	357	12.9	11.1	11.6	12.1	1.8	PASS
47	363	12.3	10.4	11.7	11.5	1.9	PASS
49	369 375	12.4	11.1	11.4	11.5 11.6	1.3	PASS PASS
50	381	12.9	10.4	11.6	10.8	2.5	PASS
51	387	12.7	12	11.1	11.8	1.6	PASS
52	393	13.1	11.2	11.4	11.4	1.9	PASS
53	399	12.8	10.6	11.1	11.2	2.2	PASS
54 55	405	12.9	10.8	11	11.1	2.1	PASS
56	411	12.6	10.3	9.8 10.6	10.3	3.2	PASS PASS
57	423	12.7	9.7	9.9	10.8	3	PASS
58	429	12.5	9.9	10.6	10.1	2.6	PASS
59	435	11	9.2	9.9	10	1.8	PASS
60	441	11.8	9.9	11	11	1.9	PASS
62 63	453 459	12.5	11.8	11.7	12,4	0.8	PASS
64	465	12.4	11.5 11.6	12.1	13.5	1.3	PASS PASS
65	471	12.7	11.8	12.8	13.3	1.5	PASS
66	477	13.4	12.2	13	12.8	1.2	PASS
67	483	13.1	12.7	13	13.1	0.4	PASS
68	489	14	12.5	13.5	13.9	1.5	PASS
69 70	495 501	14	12.4	14	13.7	1.6	PASS
71	507	14	12.6 12.3	13.3	13.6	1.4	PASS PASS
72	513	13.6	12.3	13	13.2	1.1	PASS
73	519	13.5	12.2	12.9	13.1	1.3	PASS
74	525	14.6	13.2	13.6	14.1	1.4	PASS
76	537	13.8	13.3	13.9	13.9	0.6	PASS
77	543	13.8	13.1	14.1	14.2	1.1	PASS
79 80	555	14.2	13.8	14.2	15.2	1.4	PASS
	561	13.8	13	13.6	14.3	1.3	PASS

81	567	13.9	12.6	13.5	13.7	1.3	PASS
82	573	14.2	13.1	13.9	14.1	1.1	PASS
83	579	14.1	12.9	13.3	13.9	1.2	PASS
84	585	14.4	13.1	13.9	14.2	1.3	PASS
85	591	13.5	13.1	13.2	13.1	0.4	PASS
86	597	14.2	13.1	13.5	13.6	1.1	PASS
87	603	14.9	13.8	14.2	15	1.2	PASS
88	609	14.3	13.8	14.6	15.2	1.4	PASS
89	615	14.9	15.2	14.6	14.1	1.1	PASS
90	621	14.5	14.2	15.3	14.9	1.1	PASS
91	627	14.3	14.7	15.2	15	0.9	PASS
92	633	14.9	14.5	15.2	14.9	0.7	PASS
93	639	14.6	14.5	15	15.2	0.7	PASS
94	645	14.8	14	14.3	14.8	0.8	PASS
100	651	13.6	13.2	13.6	13.6	0.4	PASS
101	657	13.7	12.6	13.4	13.3	1.1	PASS
102	663	13.1	12.7	13.3	13.5	0.8	PASS
103	669	14.4	13.8	14.4	14.9	1.1	PASS
104	675	14.8	14.7	14.9	15.4	0.7	PASS
105	681	15.1	15.1	15.7	15.5	0.6	PASS
106	687	15.1	15.1	15.4	15.9	0.8	PASS
107	693	15.8	15.4	15.4	15.9	0.5	PASS
111	717	16.7	17.2	17.8	18	1.3	PASS
112	723	17.7	17.3	17.1	17.8	0.8	PASS
113	729	16.8	16.8	17.3	18.2	1.4	PASS
114	735	17	16.8	17.5	17.8	1	PASS
115	741	16.6	15.9	17	17.4	1.5	PASS
116	747	15.7	16	16.6	16.5	0.9	PASS
117	753	15.8	16.4	16.5	17.1	1.3	PASS
119	765	14.9	14.6	15.6	16	1.4	PASS
120	771	15	14.8	15.4	16	1.2	PASS
	<u></u>		14.0	15.7			FASS
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COMMENTS:

locklan ummer										PSID#	31	73	
	COR	PORAT	ECOM	PLIANCE	PROO	F OF PE	RFORM	ANCE I	DIGITA	LTESTS	S RESU	LTS	arrendina Harridina
Date:	2015-08-0	03 10:24:2	9	Time:		Techr	ician(s):	1010112334	elejara iartitaasart V	Keith (Quomo _		::::::::::::::::::::::::::::::::::::::
Svs	tem Test	Point #	4		-			_			dand	_	
•				• Uarna T	Tooko Dd	j			Town:				
L	.ocalion.		•	_									
Node #	69B110		Ī	CASCADI	E, Amps	3		L/E's	1	. Ta	p Value:	2	3
11 0/11 /	nnaiog (a ri	ISU WAIN, I	a Mara	ry QAM, a H	O WAIN, U	VOD QAM	unu me rii	gnesi i equ	iericy wan	n must be n	ncique in in	e rest char	111613/.
		med and		e Stored w be aquired		•	r variatio	n tests an	d taken	from pass	one (1).		
1. All Di		med and			during th	•	r variatio Freq Resp (dB)	n tests an	Group Delay	from pass EQ Stress (dB)	one (1). Est. Noise Margin (dB)	EVM (%)	Phase Jitter (deg)
L. All Di	igital mea Freq	rmed and surement	Data will	be aquired	during th	ne 24 Hou	Freq Resp		Group	EQ Stress	Est. Noise Margin	EVM (%)	
Channel	gital mea Freq (MHz)	med and surement	Data will Level (dBmV)	be aquired	during th	Post-BER	Freq Resp (dB)	HUM (%)	Group Delay (ns)	EQ Stress (dB)	Est. Noise Margin (dB)		Jitter (deg)
Channel	Freq (MHz)	ned and surement	Level (dBmV)	MER (dB)	Pre-BER 0.00E+00	Post-BER 0.00E+00	Freq Resp (dB)	HUM (%)	Group Delay (ns)	EQ Stress (dB)	Est. Noise Margin (dB) 6.2	0.6	Jitter (deg) 0.193
Channel 4 95	Freq (MHz) 69	Name None	Level (dBmV) 9.9	MER (dB) 40.5 40.2	Pre-BER 0.00E+00	Post-BER 0.00E+00 0.00E+00	Freq Resp (dB) 2.1 0.7	0.20% 0.002	Group Delay (ns) 30	EQ Stress (dB) -41.5 -43.8	Est. Noise Margin (dB) 6.2 6.1	0.6	Jitter (deg) 0.193 0.098
Channel 4 95 23	Freq (MHz) 69 93 219	Name None None	Level (dBmV) 9.9 8 11.2	MER (dB) 40.5 40.2 40	Pre-BER 0.00E+00 0	Post-BER 0.00E+00 0.00E+00 0.00E+00	2.1 0.7 2.3	0.20% 0.002 0.001	Group Delay (ns) 30 14 41	EQ Stress (dB) -41.5 -43.8 -41.9	Est. Noise Margin (dB) 6.2 6.1	0.6 0.6 0.6	Jitter (deg) 0.193 0.098 0.193
Channel 4 95 23 51	Freq (MHz) 69 93 219 387	Name None None None	Level (dBmV) 9.9 8 11.2 13.1	MER (dB) 40.5 40.2 40 38.9	Pre-BER 0.00E+00 0 0	Post-BER 0.00E+00 0.00E+00 0.00E+00 0.00E+00	Freq Resp (dB) 2.1 0.7 2.3 1.5	0.20% 0.002 0.001 0.002	Group Delay (ns) 30 14 41 29	EQ Stress (dB) -41.5 -43.8 -41.9 -42.8	Est. Noise Margin (dB) 6.2 6.1 5.6 4.3	0.6 0.6 0.6 0.7	Jitter (deg) 0.193 0.098 0.193 0.57
Channel 4 95 23 51 63	Freq (MHz) 69 93 219 387 387	Name None None None None None	Level (dBmV) 9.9 8 11.2 13.1 13.1	MER (dB) 40.5 40.2 40 38.9 38.9	Pre-BER 0.00E+00 0 0 0	Post-BER 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	Freq Resp (dB) 2.1 0.7 2.3 1.5	0.20% 0.002 0.001 0.002 0.002	Group Delay (ns) 30 14 41 29	EQ Stress (dB) -41.5 -43.8 -41.9 -42.8	Est. Noise Margin (dB) 6.2 6.1 5.6 4.3 4.3	0.6 0.6 0.6 0.7 0.7	Jitter (deg) 0.193 0.098 0.193 0.57
Channel 4 95 23 51 63 74	Freq (MHz) 69 93 219 387 387 525	Name None None None None None None None	Level (dBmV) 9.9 8 11.2 13.1 13.1	MER (dB) 40.5 40.2 40 38.9 38.9 40.1	0.00E+00 0 0 0 0 0	Post-BER 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	Freq Resp (dB) 2.1 0.7 2.3 1.5 1.5	0.20% 0.002 0.001 0.002 0.002 0.002	Group Delay (ns) 30 14 41 29 29	EQ Stress (dB) -41.5 -43.8 -41.9 -42.8 -42.8 -42.3	Est. Noise Margin (dB) 6.2 6.1 5.6 4.3 4.3	0.6 0.6 0.7 0.7 0.7	Jitter (deg) 0.193 0.098 0.193 0.57 0.57 0.861
1. All Di Channel 4 95 23 51 63 74 87	Freq (MHz) 69 93 219 387 387 525 603	Name None None None None None None None Non	Data will Level (dBmV) 9.9 8 11.2 13.1 13.1 13.4	MER (dB) 40.5 40.2 40 38.9 38.9 40.1 40	0.00E+00 0 0 0 0 0 0	Post-BER 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	Freq Resp (dB) 2.1 0.7 2.3 1.5 1.7 1.1	0.20% 0.002 0.001 0.002 0.002 0.002 0.001	Group Delay (ns) 30 14 41 29 29 19 16	EQ Stress (dB) -41.5 -43.8 -41.9 -42.8 -42.8 -42.3 -44.6	Est. Noise Margin (dB) 6.2 6.1 5.6 4.3 4.3 5.5	0.6 0.6 0.6 0.7 0.7 0.6 0.6	Jitter (deg) 0.193 0.098 0.193 0.57 0.57 0.861 0.482
Channel 4 95 23 51 63 74 87 89	Freq (MHz) 69 93 219 387 387 525 603 615	Name None None None None None None None Non	Level (dBmV) 9.9 8 11.2 13.1 13.1 13.1 14.2	MER (dB) 40.5 40.2 40 38.9 38.9 40.1 40 39.7	O.00E+00 O O O O O O O	Post-BER 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	Freq Resp (dB) 2.1 0.7 2.3 1.5 1.5 1.7 1.1 2.9	0.20% 0.002 0.001 0.002 0.002 0.001 0.001	Group Delay (ns) 30 14 41 29 29 19 16 25	EQ Stress (dB) -41.5 -43.8 -41.9 -42.8 -42.8 -42.3 -44.6 -41.5	Est. Noise Margin (dB) 6.2 6.1 5.6 4.3 4.3 5.5 5.4	0.6 0.6 0.7 0.7 0.7 0.6 0.6	Jitter (deg) 0.193 0.098 0.193 0.57 0.57 0.861 0.482 0.673
1. All Di Channel 4 95 23 51 63 74 87 89 91	Freq (MHz) 69 93 219 387 525 603 615	Name None None None None None None None Non	Level (dBmV) 9.9 8 11.2 13.1 13.1 13.4 14.2	MER (dB) 40.5 40.2 40 38.9 38.9 40.1 40 39.7	O.00E+00 O O O O O O O	Post-BER 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	Freq Resp (dB) 2.1 0.7 2.3 1.5 1.7 1.1 2.9 2.2	0.20% 0.002 0.001 0.002 0.002 0.001 0.001 0.002 0.002	Group Delay (ns) 30 14 41 29 29 19 16 25 23	EQ Stress (dB) -41.5 -43.8 -41.9 -42.8 -42.8 -42.3 -44.6 -41.5 -42.4	Est. Noise Margin (dB) 6.2 6.1 5.6 4.3 4.3 5.5 5.4 5	0.6 0.6 0.7 0.7 0.6 0.6 0.6	Jitter (deg) 0.193 0.098 0.193 0.57 0.57 0.861 0.482 0.673 0.38

QAM signal level Variance (24 Hour Testing), has been performed and has passed the	e requiremen	its		
CORPORATE COMPLIANCE Rules & Regulations. (3dB from adjacent)	Yes	Х	No	

The above data represents compliance to the Rule & Regulations of actual proof documents and verify the above is a true summary. I document and is located at (Add the address where the technical	
PM Field Operations Supervisor:	Date:

(Signature) PM Field Operations Manager: Date: (Signature)

Cablevision FCC 24 Hour POP

Location Oak Tree & Horne Tooke Rd.

Date

2015-08-03 10:24:29

		PASS 1	PASS 2	PASS 3			
Channel	Frequency (MHz)		Time	Time		24 Hour Variation	24 Hour Result
2	57	10.9	10.9	10.9	10.9	0	PASS
3	63	10.4	10.3	10.6	11	0.7	PASS
4	69	9.9	10.8	9.8	10.6	1	PASS
5	79	9.3	9.8	9.4	9.3	0.5	PASS
95	85 93	9.4	9.8 8.9	9.6	9.5 8.6	0.4	PASS PASS
96	99	8.8	8.7	9.1	8.9	0.4	PASS
98	111	10.2	10.4	10.3	9.8	0.6	PASS
14	123	11	10.7	10.8	10.8	0.3	PASS
15	129	10.4	10.5	10.6	10.5	0.2	PASS
16	135	10.8	11.2	11.1	10.6	0.6	PASS
18	147	9.8	9.4	9.6	9.7	0.4	PASS
21	165	9.7	9.9	9.8	9.7	0.2	PASS
7	171	9.6	9.4	10	10.3	0.9 0.2	PASS
8	177 183	10.3 10.4	9.7	10.3	9.8	0.7	PASS PASS
9	189	10	10.1	10.5	9.7	0.8	PASS
10	195	10.5	10.3	10.4	10.2	0.3	PASS
11	201	10.8	10.5	10.4	10.2	0.6	PASS
12	207	9.9	10.4	10	10.4	0.5	PASS
13	213	10.4	11.1	10.4	10.5	0.7	PASS PASS
23	219	11.2	11.1	11	11.4	0.4	PASS
24	225	11.6	12.1	11.9	11.6	0.5	PASS
25	231	12	12	11.8	12.2	0.4	PASS
27	237	11.8	12.1	11.9	11.6	0.5	PASS
28	243	12.3	12.1	12.2	12.5	0.4	PASS PASS
29	255	11.5	11.6	11.7	12.1	0.6	PASS
30	261	11.8	11.6	11.8	11.6	0.2	PASS
31	267	11.6	11.5	11.6	11.7	0.2	PASS
32	273	10.4	11.1	11.1	10.8	0.7	PASS
33	279		10.6	11.1	11	0.5	PASS
34	285	10.7	10.6	10.9	10.8	0.3	PASS
35	291 297	10.4	10.5	10.6	10.8	0.4	PASS PASS
37	303	11	10.4	10.8	10.7	0.6	PASS
38	309	10.3	10.4	10.3	10.5	0.2	PASS
39	315	10.5	10.4	10.8	11	0.6	PASS
40	321	_ 11	11.3	10.8	10.7	0.6	PASS
41	327	11.3	11.2	11.3	10.8	0.5	PASS
42	333	11.2	11.1	11.1	11.5	0.4	PASS
43	339	11.1	11	11.4	11.2	0.4	PASS
44	345	10.7	11.1	11.2	11.2	0.5	PASS
46	351 357	12.1 12.4	11.7 11.6	11.9	12.1 11.9	0.4	PASS PASS
47	363	11.7	12.3	11.6	12	0.7	PASS
48	369	12.2	11.8	12.3	11.3	1	PASS
49	375	11.9	10.9	11.2	11.8	1	PASS
50	381	11.7	11.1	11.3	11.1	0.6	PASS
51	387	13.1	11.6	12.3	12.1	1.5	PASS
52	393	12	11.9	12	11.7	0.3	PASS
53 54	399	12.4	12.3	11.6	11.9	0.8	PASS
55	405	12.7	12.4	12.6 11.5	12	0.7	PASS
56	417	12.5	12.8	12.9	12.2	0.7	PASS
57	423	12.1	11.7	11.7	11.8	0.4	PASS
58	429	12.2	11.8	11.8	12.1	0.4	PASS
59	435	11.4	11.5	11.2	11	0.5	PASS
60	441	11.2	11	11.4	11.5	0.5	PASS
62	453	12	12	11.8	12	0.2	PASS
63	459	12.1	11.6	12	11.5	0.6	PASS
64	465 471	11.9	12	11.6	12.3	0.7	PASS
66	471	12.5	12.3	11.8	11.8 13.2	0.8	PASS PASS
67	483	12.4	12.6	12.3	12.8	0.5	PASS
68	489	12.7	13.8	13.1	13.5	1.1	PASS
69	495	13.9	13.3	13.4	13.7	0.6	PASS
70	501	13.6	13.3	13.1	13.5	0.5	PASS
71	507	12.6	12.7	12.6	13.1	0.5	PASS
72	513	12.6	12.7	12.6	12.9	0.3	PASS
73	519	11.6	12.1	12.7	12.6	1.1	PASS
74	525	13	13.2	13.2	13.1	0.2	PASS
77	537 543	12.3 12.2	12.8	12.9	12.6	0.6	PASS
79	555	12.7	11.9	12.6	12.7	0.9	PASS PASS
80	561	12.9	12.4	12.4	13	0.6	PASS
							1,000

81	567	12.5	12.6	12.9	12.8	0.4	PASS
82	573	12.3	12.5	12.7	12.9	0.6	PASS
83	579	12.3	12.3	13.1	12.7	0.8	PASS
84	585	13.6	13.5	13.6	14.1	0.6	PASS
85	591	12.9	13.2	13.4	13.4	0.5	PASS
86	597	13.1	12.4	12.8	13.2	0.8	PASS
87	603	13.4	13.3	13.9	14.1	0.8	PASS
88	609	13.1	13.6	13.4	13.5	0.5	PASS
89	615	14.2	13.7	13.8	14.3	0.6	PASS
90	621	13.7	13.5	14	14.4	0.9	PASS
91	627	14.2	13.3	14.7	14.6	1.4	PASS
92	633	14.6	14.1	14.1	14.2	0.5	PASS
93	639	14	13.7	14.1	14.4	0.7	PASS
94	645	14.9	15	14.9	14.8	0.2	PASS
100	651	15.1	14.7	14.7	15.5	0.8	PASS
101	657	14.2	14.6	14.1	14.8	0.7	PASS
102	663	14.3	14.5	14.5	15	0.7	PASS
103	669	15.4	15	15.1	15.3	0.7	PASS
104	675	15.3	15.5	15.4	15.6	0.3	PASS
105	681	15.5	15.4	16.1	16	0.7	
106	687	15.6	15.4	16.1	16.2		PASS
107	693	15.9	16.9			0.8	PASS
111	717			16.6	15.9	1	PASS
112	723	17	17.3	17.2	17.6	0.6	PASS
		17.8	17.9	17.6	17.9	0.3	PASS
113 114	729 735	17.6 18	17.9	17.7	18.3	0.7	PASS
			18.8	18.3	18.4	0.8	PASS
115 116	741 747	17.1	17.5	17.7	18	0.9	PASS
117	753	17.1	17.2	17.8	17.6	0.7	PASS
119		17.9	17.7	17.8	18.1	0.4	PAS5
	765	14.7	15.8	15.9	16.3	1.6	PASS
120	771	14.8	14.9	15.6	15.9	1.1	PASS
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Rockland

Summei	r 2015									PSID #	31	73		
	COR	PORAT	Е СОМ	PLIANCE	PROO	F OF PE	ERFORM	/ANCE	DIGITA	LTESTS	S RESU	ILTS	figue d Gales d	
Date:	2015-08-0	01 09:21:0	7	Time:		Techr	nician(s):			Keith Cuomo				
Sys	stem Test	t Point #	5	_		H	leadend:			Rock	dand			
l	_ocation:		Old	- Haverstrav	v Rd			Town:						
	69C101			CASCADI			-			Ta	ap Value:	23	23	
will be to tested: F bandwid from	ested: First First QAM th is consis Analog (a H	t QAM From From Analo sts of major ISD QAM, c	m Analog, c og, a HSD (rity QAM a Must Car	ations: Techn a HSD QAM, QAM, a Must channels, a G ry QAM, a H	a Must Cai Carry QAi AM Chann D QAM, a	rry QAM, a M, a HD Q, el will be te VOD QAM	i HD QAM (AM, a VOD ested in eve	and a VOD (QAM and t ery +/-50M)	QAM. On 8 he Highes nz of spaci	360 MHz sy t Frequency ng starting	stem 12 Q QAM. On from the	AM Channel a system wh First QAM	s will be here the channel	
1. All D	igital mea Freq (MHz)	surement Name	Data will Level (dBmV)	be aquired		Post-BER	Freq Resp	n tests ar	Group Delay (ns)	From pass EQ Stress (dB)	est. Noise Margin (dB)	EVM (%)	Phase Jitter (deg)	
4	69	None	9.7	40	0.00E+00	0.00E+00	2.4	0.10%	34	-41.6	5.7	0.6	0.571	
95	93	None	8.3	40.2	0	0.00E+00	3.6	0.001	43	-40.1	6.1	0.6	0.285	
23	219	None	11.9	40.3	0	0.00E+00	1.9	0.002	31	-42.1	5.8	0.6	0.48	
51	387	None	13.5	39.3	0	0.00E+00	2.4	0.001	39	-42.2	4.7	0.7	0.001	
63	387	None	13.5	39.3	0	0.00E+00	2.4	0.001	39	-42.2	4.7	0.7	0.001	
74	525	None	11	39.5	0	0.00E+00	1.6	0.002	35	-43.9	5.1	0.7	0.478	
87	603	None	17.2	39.4	0	0.00E+00	1.7	0.002	28	-43.1	4.4	0.7	0.672	
89	615	None	16.2	39.6	0	0.00E+00	1.8	0.002	31	-42.9	4.7	0.6	0.285	
91	627	None	15.5	39.8	0	0.00E+00	2.2	0.001	37	-41.6	5	0.6	0.767	
107 1 1 6	693 747	None None	17.1	39.7 40.2	0	0.00E+00 0.00E+00	1.9	0.002	31	-41.9	5.1	0.6	0.774	
24 Hour	Testing													
QAM sig	nal level	Variance (24 Hour	<i>Testing)</i> , h	as been pe	erformed o	and has pa	ssed the r	equireme	nts				
CORPOR	ATE COM	PLIANCE F	Rules & Re	gulations. (3dB from	adjacent)			Yes	Х	No			
COMMEN	NTS:			·	·		· · ·					 _		
actual pi	roof docui	ments and	d verify th	ce to the Ru le above is a address wh	a true sur	nmary. Tl	he System	is Technic						
PM Field	d Operati	ons Supe	ervisor:					_	Date:			-		
					(Sign	nature)			_					
PM Field	d Operati	ons Mana	ager:		(6)				Date:			_		
					(2)gr	nature)								



15	PSID #	3173

	COR	PORAT	E COM	PLIANGE	: PROOI	FOFPE	ERFORM	/ANCE	DIGITAI	TESTS	RESI	ILTS			
Date:	2015-08-0	02 09:23:2	0	Time:	Time: Technician(s):				Keith Cuomo						
Svs	tem Test	Point #	6	•		F	leadend [.]		Rockland						
-				- Ruterford P	ч		ioadoriai.	Town:		11001					
								-							
Node #	69A102			CASCADI	=, Amps			r/E.s		Та	ip value:	2			
will be te tested: Fi bandwidt from A	sted: First irst QAM i th is consis Analog (a H	PQAM Fro From Analo Its of majo ISD QAM,	m Analog, c og, a HSD (rity QAM o a Must Car	ntions: Techr a HSD QAM, QAM, a Must channels, a Q ry QAM, a H	a Must Car Carry QAM AM Channe D QAM, a	ry QAM, a M, a HD QA el will be te VOD QAM	HD QAM o AM, a VOD ested in eve	and a VOD (QAM and t :ry +/-50Ml	QAM. On 8 he Highest nz of spaci	360 MHz sy Frequency ng starting	stem 12 Q QAM. On from the	AM Channel a system wl First QAM	s will be here the channel		
				e Stored w be aquired		•		- ++	d takan i		ona (1)				
Channel	Freq (MHz)	Name	Level (dBmV)	MER (dB)	Pre-BER	Post-BER	Freq Resp (dB)	HUM (%)	Group Delay (ns)	EQ Stress (dB)	Est. Noise Margin (dB)	EVM (%)	Phase Jitter (deg)		
4	69	None	8.7	40	0.00E+00	0.00E+00	2	0.20%	31	-41.7	5.9	0.6	0.194		
95	93	None	7.8	39.8	0	0.00E+00	1.7	0.001	23	-42.6	5.8	0.6	0.384		
23	219	None	11.6	40.2	0	0.00E+00	1.9	0.002	32	-42.5	5.8	0.6	0.575		
51	387	None	13	39.8	0	0.00E+00	2.3	0.002	31	-42.2	5.3	0.6	0.575		
63	387	None	13	39.8	0	0.00E+00	2.3	0.002	31	-42.2	5.3	0.6	0.575		
74	525	None	16.6	40.2	0	0.00E+00	1.1	0.002	15	-44	5.2	0.6	0.578		
87	603	None	15.4	39.7	0	0.00E+00	1.5	0.001	26	-43.5	4.8	0.6	0.861		
89	615	None	16.1	40	0	0.00E+00	2.2	0.002	33	-42.8	5.1	0.6	0.667		
91	627	None	16	39.9	0	0.00E+00	1.7	0.001	26	-43.7	5	0.6	0.48		
107	693	None	19.3	40.1	0	0.00E+00	1.2	0.002	30	-43.6	4.9	0.6	0.193		
116	747	None	17.7	39.8	0	0.00E+00	2.2	0.002	32	-42.6	4.7	0.6	0.669		
QAM sigi	TE COMP		Rules & Re	<i>Testing)</i> , ho	3dB from a	adjacent)			equiremen Yes	ts X] No				
actual pro documen	oof docur t and is l	nents and	l verify th (Add the	e to the Ru e above is a address wh	true sun	nmary. Thechnical fi	ne System	s Technic							
PM Field	l Operation	ons Mana	ager:		(Signa	alure)		-	Date:			_			



PSID #	3173

summer	2015									# עופי	31	/3	
	COR	PORAT	E COM	PLIANCE	PROO	F OF PE	ERFORM	MANCE	DIGITA	LTEST	3 RESL	LTS	
Date:	2015-08-0	06 10:17:2	0	Time:	Time: Technician(s):					Keith (Cuomo		
_		Point #					leadend:						
-				-								<u> </u>	
L	_ocation:			kerman A									
Node #	69A130			CASCAD	E, Amps	2		L/E's	1	Ta	p Value:	8	<u> </u>
will be te tested: F bandwid from A	ested: First irst QAM th is consis Analog (a H	PQAM Froi From Analo its of majoi ISD QAM, c	m Analog, a og, a HSD (rity QAM (a Must Car	tions: Techi HSD QAM, QAM, a Must Channels, a G ry QAM, a H e Stored w	a Must Car Carry QAi AM Chann D QAM, a	rry QAM, o M, a HD Q/ el will be te VOD QAM	t HD QAM o AM, a VOD ested in eve	and a VOD (QAM and t ry +/-50Ml	QAM, On 8 he Highes uz of spaci	360 MHz sy t Frequency ng starting	stem 12 Qa QAM. On from the	AM Channel a system w First QAM	ls will be here the channel
1. All Di	Freq	surement Name	Level	be aquired MER (dB)	during the	ne 24 Hou	Freq Resp	n tests ar	Group Delay	EQ Stress	one (1). Est. Noise Margin	EVM (%)	Phase Jitter
	(MHz)		(dBmV)				(d8)		(ns)	(dB)	(dB)		(deg)
4	69	None	14.3	40.6	0.00E+00	0.00E+00	2.2	0.20%	35	-41.7	5.9	0.6	0.29
95	93	None	14.8	41.1	0	0.00E+00	1.4	0.002	20	-43.5	6.3	0.5	0.674
23 51	219	None	14.2	40	0	0.00E+00	2.6	0.001	17	-43.1 -41.5	5.3 4.9	0.6	0.098 0.674
63	387 387	None	14.9	39.7	0	0.00E+00		0.002	24	-41.5	4.9	0.6	0.674
74	525	None None	14.9 15.5	39.7 40	0	0.00E+00	2.6	0.001	34	-41.2	5.2	0.6	0.001
87	603	None	14.9	39.5	0	0.00E+00	2.1	0.002	22	-42.4	4.8	0.6	0.288
89	615	None	14.8	39.7	0	0.00E+00	2.4	0.002	26	-42.4	5	0.6	0.578
91	627	None	15	39.8	0	0.00E+00	1.5	0.002	24	-43.5	5	0.6	0.381
107	693	None	14.8	39.5	0	0.00E+00	1.5	0.002	27	-42.7	4.7	0.6	0.478
116	747	None	14.3	39.1	0	0.00E+00	2.5	0.002	33	-42	4.4	0.7	0.576
										<u> </u>	<u> </u>		
QAM sig	ATE COMP	<u>Variance (</u>	Rules & Re	<i>Testing)</i> , hogulations. (3	3dB from	adjacent)	·	ssed the r	equiremen Yes	x X] No		
actual pr documen	oof docur it and is l	nents and	l verify th (Add the	e to the Ru e above is a address wh	a true sur aere the te	nmary. Th	ne System	s Technic					
PM Field	l Onereti	one Man	ager:		(Sign	aure)			Date:				
I IVI FICIO	M Field Operations Manager:			(Signature)							-		



PSID #	3173	
FOID#	31/3	

	COR	PORAT	E COM	PLIANCE	PROO	F OF PE	RFORM	MANCE	DIGITAI	TESTS	RESU	LTs		
Date:	2015-08-0	03 09:58:5	8	Time:		Techr	nician(s):			Chris S	kowron_			
Sys	tem Test	Point #	8			F	leadend:	Rockland						
•				ans Memo	rial Dr		•							
	69A115			CASCADI							p Value:	2:	3	
will be te tested: F bandwidt from /	sted: First irst QAM th is consis Analog (a H	PQAM From From Analog Sts of major ISD QAM, c	m Analog, a og, a HSD G rity QAM c a Must Car	tions: Techr HSD QAM, QAM, a Must channels, a Q ry QAM, a H	a Must Car Carry Q <i>AI</i> AM Channe D QAM, a	rry QAM, a M, a HD QA el will be te VOD QAM	HD QAM o AM, a VOD sted in eve	ind a VOD (QAM and t ry +/-50Mf	QAM. On 8 he Highest az of spacia	60 MHz sy Frequency ng starting	stem 12 Qa QAM. On from the	AM Channel a system wl First QAM	s will be here the channel	
				e Stored w be aquired		•	ır variatio	n tests an	d taken 1	from pass	one (1).			
Channel	Freq (MHz)	Name	Level (dBmV)	MER (dB)	Pre-BER	Post-BER	Freq Resp (dB)	ним (%)	Group Delay (ns)	EQ Stress (dB)	Est. Noise Margin (dB)	EVM (%)	Phase Jitter (deg)	
4	69	None	12.1	40.1	0.00E+00	0.00E+00	3.2	0.10%	35	-40.3	5.6	0.6	0.287	
95	93	None	10.5	39.4	0.00E+00	0.00E+00	2.7	0.001	32	-41.4	5.1	0.7	0.579	
23	219	None	12.8	40	0	0.00E+00	2.3	0.002	35	-42	5.4	0.6	0.764	
51	387	None	13.6	39.5	0	0.00E+00	2.6	0.002	29	-41.6	4.9	0.6	0.763	
63	387	None	13.6	39.5	0	0.00E+00	2.6	0.002	29	-41.6	4.9	0.6	0.763	
74	525	None	16.2	40	0_	0.00E+00	1.7	0.002	27	-42.4	5.1	0.6	0.664	
87	603	None	15.1	39.1	0	0.00E+00	0.8	0.002	14	-44.5	4.3	0.7	0.384	
89	615	None	15.2	39.1	0	0.00E+00	2.5	0.001	_50	-42.1	4.3	0.7	0.383	
91	627	None	17.4	39.5	0	0.00E+00	1.6	0.002	17	-43.1	4.4	0.7	0.576	
107	693	None	17.8	39.7	0	0.00E+00	2.5	0.001	38	-40.2	4.6	0.6	0.481	
116	747	None	18.5	39.3	0	0.00E+00	2.7	0.001	37	-41.4	4.1	0.7	0.381	
QAM sigi	TE COMP	Variance (Rules & Re	Testing), hogulations. (3	3dB from (adjacent)	·	ssed the r	equiremen Yes	nts X] No		· · · ·	
actual pr locumen	oof docur it and is l	nents and ocated at	d verify th (Add the	e to the Ru e above is a address wh	a true sun	nmary. Tl	ne System	s Technic	al Inspect					
-ivi rielo	ı Operati	ons Supe	rvisor:			ature)		-	Date:			-		
DNA E:-!-	l Ona	nna 1/=			(Sigii	aidie)			Det-					
-ivi rielo	ı Operati	ons Mana	ager:		(Sign	ature)	<u> </u>	-	Date:		<u>.</u>	-		



	- ·	
PSID #	3173	

summer	2015									POID#	31	73			
	COR	PORAT	E COM	PLIANCE	PROO	FOFPE	RFORM	/ANCE	DIGITAI	_TESTS	S RESL	ILTS			
Date:	2015-08-0	05 10:02:3	0	Time:		Techr	nician(s):			Chris S	kowron				
Sys	tem Test	Point #	9							Rockland					
•				outh Gate <u>f</u>	∃d		•								
	70B104			CASCADI								1			
			• • • •					 					-		
will be te tested: F bandwidt	sted: First irst QAM th is consis	QAM From From Analo Its of major	m Analog, a og, a HSD G rity QAM (tions: Techr HSD QAM, QAM, a Must channels, a Q ry QAM, a H	a Must Car Carry QAI (AM Chann	rry QAM, a M, a HD QA el will be te	HD QAM o AM, a VOD ested in eve	and a VOD (QAM and t cry +/-50Ml	QAM. On 8 he Highest uz of spaci	360 MHz sy Frequency ng starting	stem 12 Q QAM. On from the	AM Channel a system wi First QAM	ls will be here the channel		
				e Stored w be aquired			ır variatio	n tests ar	ıd taken i	from pass	one (1).				
Channel	Freq (MHz)	Name	Level (dBmV)	MER (dB)	Pre-BER	Post-BER	Freq Resp (dB)	HUM (%)	Group Delay (ns)	EQ Stress (dB)	Est. Noise Margin (dB)	EVM (%)	Phase Jitter (deg)		
4	69	None	13.7	39.9	0.00E+00	0.00E+00	1.1	0.20%	25	-42.8	5.3	0.6	0.094		
95	93	None	12.4	40.2	0	0.00E+00	2.7	0.002	32	-41.1	5.6	0.6	0.571		
23	219	None	10.5	38.9	0	0.00E+00	2.2	0.002	24	-42.5	4.5	0.7	0.288		
51	387	None	12.4	39.3	0	0.00E+00	2.3	0.002	28	-42	4.7	0.7	0.58		
63	387	None	12.4	39.3	0	0.00E+00	2.3	0.002	28	-42	4.7	0.7	0.58		
74	525	None	13	38.9	0	0.00E+00	1.9	0.002	32	-41.8	4.3	0.7	0.758		
87	603	None	13.7	39.2	0	0.00E+00	1.6	0.002	29	-43.7	4.5	0.7	0.387		
89	615	None	13.1	38.9	0	0.00E+00	1,8	0.003	31	-42.9	4.3	0.7	0.481		
91	627	None	12.7	39	0	0.00E+00	2.2	0.002	34	-42.6	4.4	0.7	0.578		
107	693	None	13.6	39	0	0.00E+00	1.8	0.002	20	-43	4.4	0.7	0.482		
116	747	None	14.8	39.2	0	0.00E+00	1.4	0.001	26	-42.7	4.4	0.7	0.285		
QAM sigi	TE COMP		Rules & Re	<i>Testing)</i> , ho gulations. (3	3dB from	adjacent)	·	ssed the r	equiremen Yes	nts X] No				
The abov actual pr documen	e data rep oof docur t and is le	nents and ocated at	complianc I verify th (Add the	e to the Ru e above is a address wh	le & Regu	ılations of nmary. Th	Corporat ne System	s Technic	al Inspect						
PM Field	ı Operatio	ons Supe	ervisor:		(Sign	ature)	.	-	Date:		· -	-			
PM Field	l Operation	ons Mana	ager:		(Sign	ature)		-	Date:			-			



PSID #	3173

diliiioi	2010									. 0.5	<u>`</u>				
	COR	PORAT	E COM	PLIANCE	PROO	F OF PE	RFORM	/ANCE	DIGITA	LTESTS	RESU	ILTS			
Date:	2015-08-	04 09:48:2	24	Time:		Techr	nician(s):	Keith Cuomo							
Svs	tem Test	t Point #	10			-	leadend:			Rock	land				
-				ao Tak (D	T 17\		•								
				ge Tpk. (R											
Node #	70D101		-	CASCADI	E, Amps	5		L/E's	3	Ta	p Value:	2	3		
will be te tested: F bandwid from	ested: First First QAM th is consis Analog (a H	t QAM Fro From Analo sts of majo ISD QAM,	m Analog, a og, a HSD G rity QAM a a Must Car	tions: Techi HSD QAM, QAM, a Must channels, a G ry QAM, a H	a Must Cai Carry QAi (AM Chann ID QAM, a	rry QAM, a M, a HD QA el will be te VOD QAM	t HD QAM o AM, a VOD ested in eve	and a VOD (QAM and t :ry +/-50M)	QAM. On 8 he Highest nz of spaci	360 MHz sy Frequency ng starting	stem 12 Qa QAM. On from the	AM Channel a system wl First QAM	s will be nere the channel		
				be aquired		•	ır variatio	n tests ar	nd taken	from pass	one (1).				
Channel	Freq (MHz)	Name	Level (dBmV)	MER (dB)		Post-BER	Freq Resp (dB)	HUM (%)	Group Delay (ns)	EQ Stress (dB)	Est. Noise Margin (dB)	EVM (%)	Phase Jitter (deg)		
4	69	None	7.5	39.9	0.00E+00	0.00E+00	2.7	0.20%	29	-41.2	5.9	0.6	0.673		
95	93	None	7.9	40.4	0	0.00E+00	2.1	0.002	23	-41.9	6.3	0.6	0.387		
23	219_	None	8.2	38.7	0	0.00E+00	2.5	0.002	26	-41.9	4.6	0.7	0.288		
51	387	None	10.4	38.5	0	0.00E+00	1.3	0.002	25	-43.4	4.2	0.7	0.001		
63	387	None	10.4	38.5	0	0.00E+00	1.3	0.002	25	-43.4	4.2	0.7	0.001		
74	525	None	12.3	39.6	0	0.00E+00	2.4	0.001	32	-41.6	5.1	0.6	0.289		
87	603	None	13.9	39.6	0	0.00E+00	2.1	0.002	26	-43.3	5	0.6	0.575		
89	615	None	14.2	39.9	0	0.00E+00	3.1	0.002	37	-41.5	5.2	0.6	0.38		
91	627	None	13.8	39.8	0	0.00E+00	1.5	0.001	31	-43.9	5.2	0.6	0.29		
107	693	None	14.2	39.8	0	0.00E+00	2.6	0.002	37	-41.2	5.1	0.6	0.673		
116	747	None	14.5	39.7	0	0.00E+00	1.6	0.001	31	-42.4	5	0.6	0.667		
CORPORA COMMEN The above	ATE COMP ITS: re data reproof document	Variance PLIANCE presents of the ments and	Rules & Re compliance	Testing), he gulations. (See to the Rule above is address wh	3dB from	adjacent) ulations of the command o	f Corporat	e Complia	Yes	X unical Star					
PM Field	d Operati	ons Supe	ervisor:					_	Date:			_			
					(Sign	ature)									
PM Field	d Operati	ions Man	ager:		(Sign	ature)	<u> </u>	_	Date:			-			
					10191										



PSID #	2172
P3ID#	3173

	COR	PORAT	E COM	PLIANCE	PROO	F OF PE	RFORM	IANCE	DIGITA	LTEST	3 RESU	ILTS	
Date:	2015-08-0	04 09:48:2	4	Time:		Techr	nician(s):			Keith (Cuomo	<u> </u>	<u> </u>
Sys	tem Test	Point #	10			F	leadend:			Rock	dand	_	
L	_ocation:		Oran	ge Tpk. (R	T 17)		_	_		<u></u>	-		
	70D101			CASCAD	"-			_	3	Ta	ap Value:	2:	3
will be te tested: F bandwidt from A	ested: First irst QAM I th is consis Analog (a H	RAM From Analouts of major	m Analog, a g, a HSD G rity QAM c a Must Car	tions: Techi HSD QAM, QAM, a Must channels, a G ry QAM, a H	a Must Car Carry QAI (AM Channe D QAM, a	rry QAM, a M, a HD QA el will be te VOD QAM	HD QAM o AM, a VOD o ested in eve	and a VOD (QAM and thry +/-50Mi	QAM. On 8 he Highes iz of spaci	360 MHz sy t Frequency ng starting	rstem 12 Q QAM. On from the	AM Channel a system wl First QAM	s will be here the channel
				be aquired		-	ır variatio	n tests an	d taken	from pass	one (1).		
Channel	Freq (MHz)	Name	Level (dBmV)	MER (dB)	Pre-BER	Post-BER	Freq Resp (dB)	HUM (%)	Group Delay (ns)	EQ Stress (dB)	Est. Noise Margin (dB)	EVM (%)	Phase Jitter (deg)
4	69	None	7.5	39.9	0.00E+00	0.00E+00	2.7	0.20%	29	-41.2	5.9	0.6	0.673
95	93	None	7.9	40.4	0	0.00E+00	2.1	0.002	23	-41.9	6.3	0.6	0.387
23	219	None	8.2	38.7	0	0.00E+00	2.5	0.002	26	-41.9	4.6	0.7	0.288
51	387	None	10.4	38.5	0	0.00E+00	1.3	0.002	25	-43.4	4.2	0.7	0.001
63	387	None	10.4	38.5	- 0	0.00E+00	1.3	0.002	25	-43.4	4.2	0.7	0.001
74	525	None	12.3	39.6	0	0.00E+00	2.4	0.001	32	-41.6	5.1	0.6	0.289
87 89	603 615	None	13.9 14.2	39.6 39.9	0	0.00E+00	2.1	0.002	26	-43.3	5	0.6	0.575
91	627	None None	13.8	39.8	0	0.00E+00 0.00E+00	3.1 1.5	0.002 0.001	37	-41.5 -43.9	5.2	0.6	0.38
107	693	None	14.2	39.8	0	0.00E+00	2.6	0.002	37	-41.2	5.1	0.6	0.673
116	747	None	14.5	39.7	0	0.00E+00	1.6	0.001	31	-42.4	5	0.6	0.667
COMMEN The above actual predocumen PM Field	TE COMP	presents of nents and ocated at	compliance of the land the servisor:	Testing), he gulations. (3	le & Regu a true sur ere the te	adjacent) ulations of nmary. The	Corporat ne System	e Complia s Technic	Yes nce Tech	X nnical Star			
					(Sign	adura)							



PSID #	3173	

Summer	2015									PSID#	31	/3			
	COF	IPORAT	E COM	PLIANCE	PROO	F OF PE	ERFORM	/ANCE I	DIGITA	L TEST	3 RESU	LTS			
Date:	2015-08-	06 10:04:2	3	Time:		Techr	nician(s):			Chris S	kowron				
Sys	tem Test	t Point #	11	_		H	leadend:			Ramsey					
L	_ocation:		O	- akdale Mar	nor			 Town:							
	63D104			CASCAD				L/E's	3	Ta	no Value:	2:	3		
			- 				·								
will be te tested: F bandwid from A	ested: First First QAM th is consis Analog (a H	t QAM From From Analosts of major ISD QAM,	m Analog, o og, a HSD (rity QAM a Must Car	ations: Techi a HSD QAM, QAM, a Must channels, a G rry QAM, a H	a Must Cai Carry QAI (AM Channi ID QAM, a	rry QAM, a M, a HD Q/ el will be te VOD QAM	a HD QAM o AM, a VOD ested in eve	and a VOD (QAM and t ry +/-50Mh	QAM, On the Highes are of space	860 MHz sy t Frequency ing starting	stem 12 Q QAM. On from the	AM Channe a system w First QAM	ls will be here the channel		
1, All Di	igital med	surement	Data will	be aquired	l during tl	he 24 Hou	ır variatio	n tests an	d taken	from pass	one (1).				
Channel	Freq (MHz)	Name	Level (dBmV)	MER (dB)	Pre-BER	Post-BER	Freq Resp (dB)	HUM (%)	Group Delay (ns)	EQ Stress (dB)	Est. Noise Margin (dB)	EVM (%)	Phase Jitter (deg)		
4	69	None	8.1	39	0.00E+00	0.00E+00	3.2	0.20%	44	-39.1	4.9	0.7	0.38		
95	93	None	8.8	39.2	0	0.00E+00	2.1	0.002	36	-41.7	5	0.7	0.482		
23	219	None	8.2	38.5	0	0.00E+00	2.3	0.002	26	-42.4	4.4	0.7	0.096		
51	387	None	8.4	38.1	0	0.00E+00	2.3	0.002	23	-42	4	0.8	0.193		
63	387	None	8.4	38.1	0	0.00E+00	2.3	0.002	23	-42	4	0.8	0.193		
74	525	None	9.6	38.5	0	0.00E+00	3	0.001	37	-41.1	4.2	0.7	0.769		
87 89	603 615	None None	9.4	38.4	0	0.00E+00 0.00E+00	2.6 0.9	0.001	29 15	-42 -44,4	4.2	0.7	0.385 0.385		
91	627	None	10.4	38.4	0	0.00E+00	2.9	0.001	38	-41.5	4.1	0.7	0.383		
107	693	None	11.1	39.1	0	0.00E+00	2.1	0.002	26	-42.4	4.7	0.7	0.777		
116	747	None	10.5	38.9	0	0.00E+00	1.4	0.002	26	-43.7	4.6	0.7	0.096		
CORPORA COMMEN The above actual predocument	ATE COMP ITS: e data repoof document and is l	PLIANCE P	compliance (Add the	Testing), he egulations. (See to the Rule above is address wh	3dB from	adjacent) alations of the command o	f Corporat	e Complia s Technic	Yes nce Tech	X nnical Star					
PM Field	d Operati	ons Mana	ager:		(911	,			Date:						
			9		— (Sign	ature)		-				-			



Rockland

DOID #	2172
PSID #	3173

Summer	2015									PSID#	31	<u>73 </u>	
	COR	PORAT	ЕСОМ	PLIANCE	PROO	FOFPE	RFORM	/ANCE	DIGITA	L TESTS	S RESL	ILTS	
Date:	2015-08-	05 10:13:2	3	Time:		Techi	nician(s):		****	Keith (Cuomo_		
Sys	tem Test	t Point #	12	_		H	leadend:			Ram	nsey		
l	_ocation:	_	Ta	ım O'Shan	ter			Town:			_		
Node #	63D106			CASCAD	E, Amps	5	•		•	Te	p Value:	1	7
will be te tested: F bandwid from a	ested: First First QAM th is consis Analog (a H	t QAM Froi From Analo sts of majoi ISD QAM, c	m Analog, a g, a HSD G rity QAM (a Must Car	tions: Techi 1 HSD QAM, QAM, a Must channels, a G ry QAM, a H e Stored w	a Must Cai Carry QAi (AM Chann ID QAM, a	rry QAM, o M, a HD Q, el will be te VOD QAM	a HD QAM o AM, a VOD ested in eve	and a VOD (QAM and t ry+/-50Mk	QAM. On 8 he Highest nz of spaci	360 MHz sy Frequency ng starting	stem 12 Q QAM, On from the	AM Channel a system wl First QAM	s will be nere the channel
1. All Di	Freq (MHz)	surement Name	Level (dBmV)	be aquired		he 24 Hou Post-BER	r variatio Freq Resp (dB)	n tests ar	Group Delay (ns)	From pass EQ Stress (dB)	est. Noise Margin (dB)	EVM (%)	Phase Jitter (deg)
4	69	None	16.2	40.9	0.00E+00	0.00E+00	2.9	0.30%	34	-40.6	6	0.6	0.479
95	93_	None	16.6	40.9	0	0.00E+00	1	0.002	19	-42.9	6_	0.6	0.479
23	219	None	15.6	40.2	0	0.00E+00	2.1	0.002	33	-43	5.3	0.6	0.572
51	387	None	16.1	39.3	0	0.00E+00	1.7	0.001	36	-43	4.4	0.7	0.095
63	387	None	16.1	39.3	0	0.00E+00	1.7	0.001	36	-43	4.4	0.7	0.095
74	525	None	18.5	39.7	0	0.00E+00	2.4	0.001	33	-41.8	4.6	0.6	0.289
87	603	None	19.7	40.2	0	0.00E+00	1.8	0.002	29	-43.5	4.9	0.6	0.191
89	615	None	19.8	40.5	0	0.00E+00	2.1	0.002	29	-42.2	5.2	0.6	0.573
91	627	None	19.5	40.4	0	0.00E+00	1.4	0.002	21	-44	5.2	0.6	0.384
107 116	693 747	None None	19.6 17.5	39.7 39.1	0	0.00E+00 0.00E+00	2.5	0.001	23	-41.2 -44.2	4.4	0.6	0.479
24 Hour	Testing						<u></u>				<u> </u>		
			24 Hour	<i>Testing)</i> , he	as been pe	erformed o	and has pa	ssed the re	equiremer	nts			
CORPORA	ATE COMP	PLIANCE F	Rules & Re	gulations. (3	3dB from	adjacent)			Yes	Х	No		
COMMEN	ITS:						 _						
actual pr documen	oof docur it and is l	nents and ocated at	l verify th (Add the	e to the Ru e above is a address wh	a true sur	nmary. Th	ne System	s Technic	al Inspec				ved the
INITIBIL	operation of the second	ons Supe	u visor:		(Sion	ature)		-	Date:			-	
PM Field	l Oporati	ons Mana	anor:		(GIGII	w.010)			Data				
IVI FIEIC	a Operation	ons Mani	ayei.		(Sion	ature)		-	Date:			-	



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Summer	2015									PSID#	31	<u>/3</u> _	
	COR	PORAT	E COM	PLIANCE	PROO	F OF PE	RFORM	ANCE	DIGITA	LTESTS	RESL	ILTS	
Date:		08 15:44:0				1279 11 1 (58) (22)	nician(s):			'all and the second			
•		t Point #				= '	leadend:				land		
•		•		Theils Rd							- -		
								_					
Node #	69F117			CASCADI	E, Amps	3		L/E's _.	1	Ta	ıp Value: ्	1	1
will be te tested: F bandwid from A	ested: First First QAM th is consis Analog (a H	t QAM Froi From Analo sts of majoi ISD QAM, c	m Analog, c og, a HSD (rity QAM o a Must Car	ations: Techn a HSD QAM, QAM, a Must channels, a G rry QAM, a H	a Must Cai Carry QAi (AM Chann ID QAM, a	rry QAM, a M, a HD Q, el will be te VOD QAM	i HD QAM o AM, a VOD ested in eve	and a VOD QAM and t :ry +/-50MI	QAM. On 8 he Highes nz of spaci	860 MHz sy t Frequency ng starting	stem 12 Qa QAM. On from the	AM Channel a system wi First QAM	ls will be here the channel
1. All D	igital mea Freq (MHz)	surement Name	Data will Level (dBmV)	be aquired MER (dB)		he 24 Hou Post-BER	r variatio Freq Resp (dB)	n tests ar HUM (%)	Group Delay	From pass EQ Stress (dB)	Est. Noise Margin	EVM (%)	Phase Jitter
4	67	None	9.3	39.1	1.10E-09	0.00E+00	1.1	0.20%	(ns) 23	-44.2	(dB)	0.7	(deg) 0.19
95	93	None	7.2	39.1	0	0.00E+00	3.5	0.001	36	-39.9	5.1	0.7	0.48
23	219	None	11.2	39.6	0	0.00E+00	2.2	0.002	28	-42	5.2	0.6	0.001
51	387	None	9.8	39.4	0	0.00E+00	1.7	0.002	28	-42.6	5.1	0.7	0.482
63	387	None	9.8	39.4	0	0.00E+00	1.7	0.002	28	-42.6	5.1	0.7	0.482
74	525	None	14.2	39.3	0	0.00E+00	2.5	0.002	27	-41.6	4.6	0.7	0.477
87	603	HSD	15.2	39.5	0	0.00E+00	2.3	0.001	25	-42.6	4.7	0.7	0.474
89	615	HSD	14.6	39.2	0	0.00E+00	2.5	0.002	29	-42	4.5	0.7	0.386
91	627	HSD	15.6	39	1.1E-09	0.00E+00	2.5	0.002	22	-41.7	4.1	0.7	0.382
107	693	None	17.3	39.4	0	0.00E+00	1.2	0.002	23	-43.6	4.4	0.7	0.001
116	747	VOD	15	39.1	2.2E-09	0.00E+00	1.3	0.001	25	-43.4	4.3	0.7	0.767
QAM sig	ATE COMP	<u>Variance (</u>		<i>Testing)</i> , hoggulations. (3	-		•	ssed the r	equireme Yes	nts X] No		
actual pr documer	roof docur nt and is l	ments and	d verify th (Add the	ce to the Ru le above is a address wh	a true sui	mmary, Tl echnical fi	he System	s Technic					
PM Field	d Operati	ons Mana	ager:			nature) nature)		-	Date:			-	



BOID #	0470	
PSID #	3173	

Summer	2015									PSID#	31	/3		
	COR	PORAT	E COM	PLIANCE	PROO	F OF PE	RFORM	MANCE	DIGITAI	LTESTS	S RESL	ILTS		
Date:	2015-08-	07 09:32:0	7	Time:		Technician(s):			Keith Cuomo					
Sys	tem Test	t Point #	14			F	leadend:			Rock	dand			
•				Camphill R	d									
	69F156			Camphill Rd CASCADE, Amps 3									0	
will be te tested: F bandwidt from A	ested: First irst QAM th is consis Analog (a H	P QAM From From Analo sts of major ISD QAM, c	m Analog, a ng, a HSD G rity QAM a a Must Car	tions: Techi 1 H5D QAM, QAM, a Must channels, a G ry QAM, a H e Stored w	a Must Car Carry Q <i>AI</i> (AM Chann ID QAM, a	rry QAM, a M, a HD QA el will be te VOD QAM	HD QAM (AM, a VOD ested in eve	and a VOD (QAM and t ry+/-50M)	QAM. On 8 he Highest nz of spaci	860 MHz sy Frequency ng starting	stem 12 Q QAM. On from the	AM Channel a system wl First QAM	s will be here the channel	
1. All Di	igital mea	surement	Data will	be aquired	during th	ne 24 Hou	ır variatio	n tests ar	nd taken 1	from pass	one (1).			
Channel	Freq (MHz)	Name	Level (dBmV)	MER (dB)	Pre-BER	Post-BER	Freq Resp (dB)	HUM (%)	Group Delay (ns)	EQ Stress (dB)	Est. Noise Margin (dB)	EVM (%)	Phase Jitter (deg)	
4	67	None	13.4	39	0.00E+00	0.00E+00	3.2	0.20%	44	-39.1	4.9	0.7	0.38	
95	93	None	13.2	40.7	0	0.00E+00	1.7	0.002	25	-42.9	6.1	0.6	0.191	
23	219	None	12.1	40.7	0	0.00E+00	2.4	0.001	36	-41.4	6.2	0.6	0.192	
51	387	None	13.9	39.8	0	0.00E+00	2.8	0.001	36	-41.5	5.2	0.6	0.67	
63	387	None	13.9	39.8	0	0.00E+00	2.8	0.001	36	-41.5	5.2	0.6	0.67	
74	525	None	15.9	40.7	0	0.00E+00	1.7	0.001	28	-42.7	5.8	0.6	0.284	
87	603	HSD	14.4	40.2	0	0.00E+00	1.7	0.002	20	-43.5	5.5	0.6	0.384	
89	615	HSD	14	39.9	0	0.00E+00	1.4	0.002	25	-44	5.2	0.6	0.581	
91	627	HSD	13.8	39.8	0	0.00E+00	2.7	0.002	39	-42.1	5.2	0.6	0.672	
107	693	None	15.7	40.3	0	0.00E+00	1.6	0.002	33	-42.3	5.4	0.6	0.483	
116	747	VOD	14.8	39.6	0	0.00E+00	1.1	0.002	24	-43.2	4.8	0.6	0.286	
QAM sigi CORPOR <i>A</i>	ATE COMP	Variance (<i>Testing)</i> , hogulations. (3	•		ınd has pa	ssed the re	equiremen Yes	ts X	No			
COMMEN														
actual pr	oof docur	nents and	l verify th	e to the Ru e above is a address wh	a true sur	nmary. Th	ne System	s Technic						
PM Field	d Operation	ons Supe	ervisor:					-	Date:			_		
PM Field	d Operation	ons Mana	ager:	(Signature)					Date:			-		



PSID #	3173

Julililioi	2010									. 0.0 "					
	COR	PORAT	ЕСОМ	PLIANCE	PROO	F OF PE	REOR	MANCE	DIGITAI	_TEST{	3 RESL	LTS			
Date:	2015-08-0	08 14:52:4	.0	Time:		cattootocayos-samoretomoodatawagg-s-mundo									
-		Point #		•				Rockland							
•					a al										
				losmann R				_							
Node #_	69F143			CASCADI	E, Amps	3		L/E's	1	Та	p Value:	88	<u> </u>		
will be te tested: F bandwidt from A	sted: First irst QAM I th is consis Analog (a H	r QAM From From Analouts of major ISD QAM, o	m Analog, a og, a HSD G rity QAM a a Must Car	tions: Techn HSD QAM, QAM, a Must channels, a Q ry QAM, a H	a Must Car Carry QAI AM Channe D QAM, a	rry QAM, a M, a HD QA el will be te VOD QAM	i HD QAM (AM, a VOD ested in eve	and a VOD (QAM and t ry +/-50Mh	QAM. On 8 he Highest nz of spaci	360 MHz sy Frequency ng starting	stem 12 Q QAM. On from the 1	AM Channel a system wl First QAM	is will be here the channel		
				be aquired		•	ır variatio	n tests ar	ıd taken 1	from pass	one (1).				
Channel	Freq (MHz)	Name	Level (dBmV)	MER (dB)	Pre-BER	Post-BER	Freq Resp (dB)	HUM (%)	Group Delay (ns)	EQ Stress (dB)	Est. Noise Margin (dB)	EVM (%)	Phase Jitter (deg)		
4	67	None	9.2	39.9	4.40E-09	0.00E+00	2.7	0.20%	29	-41.2	5.9	0.6	0.673		
95	93	None	9.2	40.4	0	0.00E+00	2.3	0.002	31	-41.9	6.2	0.6	0.193		
23	219	None	11.1	39.9	0	0.00E+00	2.6	0.002	26	-41.7	5.5	0.6	0.288		
51	387	None	14	40	0	0.00E+00	2.1	0.002	19	-42.8	5.3	0.6	0.673		
63	387	None	14	40	0	0.00E+00	2.1	0.002	19	-42.8	5.3	0.6	0.673		
74	525	None	18.3	41.2	0	0.00E+00	2	0.001	24	-42.7	6.1	0.5	0.575		
87	603	HSD	17.6	40.4	0	0.00E+00	1.9	0.001	18	-43.4	5.3	0.6	0.774		
89	615	HSD	18.1	40.7	0	0.00E+00	2.8	0.001	23	-42.1	5.6	0.6	0.384		
91	627	HSD	16.4	40.3	0	0.00E+00	2.9	0.002	25	-41.7	5.3	0.6	0.095		
107	693	None	19.6	39.8	0	0.00E+00	1.7	0.002	24	-42.9	4.5	0.6	0.096		
116	747	VOD	20.4	40.3	0	0.00E+00	2.3	0.002	22	-41.8	5	0.6	0.48		
QAM sigi	TE COMP	LIANCE F	Rules & Re	<i>Testing)</i> , hogulations. (3	3dB from (adjacent)	•	ssed the r	equiremen Yes	ts X] No				
actual pr documen PM Field	oof docun t and is lo	oresents c	compliance I verify th (Add the ervisor:	e to the Ru e above is a address wh	le & Regu a true sur aere the te	lations of	f Corporat ie System	s Technic	nce Tech al Inspect Date:	nical Star	idards. I h	ave revievup to this	ved the		
					(Signature)							-			