PENDING PETITION MEMO

Date: 9/23/05

TO : Office of Telecommunications, John Figliozzi, 4th fl. (lead + extras)
OGC, Shirley Rabideau, 17th fl.
FROM: CENTRAL OPERATIONS

UTILITY: TIME WARNER ENTERTAINMENT-ADVANCE/NEWHOUSE

SUBJECT: 05-V-0288

Petition of Time Warner Entertainment-Advance/Newhouse for Approval of the Renewal of its Franchise with Village of Central Square, Oswego County. 9/23/05.

6005 Fair Lakes Road
East Syracuse, NY 13057
P.O. Box 4791, Syracuse, NY 13221
Tel 315-634-6100
Fax 315-463-8020

05-V-0288

TIME WARNER
CABLE

September 20, 2005

VIA CERTIFIED MAIL/
RETURN RECEIPT REQUESTED

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

Re: Franchise Renewal Application

Dear Ms. Brilling:

Enclosed please find an original and 4 (four) copies of the application for renewal of the cable television franchise agreement between Time Warner Entertainment - Advance/Newhouse Partnership and the Village of Central Square (Oswego County).

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

CABLE TELEVISION
FRANCHISE RENEWAL AGREEMENT

VILLAGE OF CENTRAL SQUARE

THIS AGREEMENT, executed in triplicate this 1st day of October, 2005, by and between the VILLAGE OF CENTRAL SQUARE, (hereinafter referred to as the Municipality) by the Supervisor acting in accordance with the authority of the duly empowered local governing body, (hereinafter referred to as the Board) 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, NY 13221, hereinafter referred to as "Time Warner Cable."

WITNESSETH

WHEREAS, Pursuant to the Village Law the Board has the exclusive power on behalf of the Municipality to grant franchises providing for or involving the use of the Streets (as defined in Section 1 hereof) and to give the consent of the Municipality to any franchisee for or relating to the occupation of the Streets; and

WHEREAS, Pursuant to the Communications Act of 1934, as amended, (the "Communications Act") the Board has the authority to grant cable television franchises and renewals thereof on behalf of the Municipality and whereas the Board and Time Warner Cable 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 television franchises or their renewal; and

WHEREAS, The Municipality has conducted negotiations with Time Warner Cable and has conducted one or more public hearings on Time Warner Cable'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 Cable's technical ability, financial condition and character; said public hearing also included consideration and approval of Time Warner Cable's plans for constructing and operating the cable television system; and

WHEREAS, Following such public hearings and such further opportunity for review, negotiations and other actions as the Board deemed necessary and that is required by law, the Board decided to renew Time Warner Cable's franchise as provided hereinafter; and

WHEREAS, The Board, in granting this franchise renewal, embodied in the agreement the results of its review and any negotiations with Time Warner Cable and has determined that said franchise agreement and Time Warner Cable respectively, fulfills and will fulfill the needs of the Municipality with respect to cable television service and complies with the standards and requirements of the New York State Public Service Commission ("NYSPSC");

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 1 - DEFINED TERMS

Unless the context clearly indicates that a different meaning is intended:

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

(b) "Board" means the Board of Trustees of the Municipality.

(c) "Cable Television Service" means

(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.

(d) "Cable Television System" means a facility, consisting of a set of closed transmission paths, including (without limitation) fiber optic wires or lines, and associated signal generation, reception and control equipment that provides Cable Television Service to multiple subscribers within a community.

(e) "Time Warner Cable" means Time Warner Cable Entertainment-Advance/Newhouse Partnership.

(f) "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 the parties, which date is (calendar date).

(g) "Franchise" means the grant or authority given hereunder to Time Warner Cable to construct and operate a Cable Television System in the Municipality in accordance with the terms hereof.

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

(i) "Gross Revenues" means all revenues actually received by and paid to Time Warner Cable by subscribers residing within the Municipality for Cable Television Service purchased by subscribers on a regular, recurring monthly basis including pay-per-view, installation, advertising sales and home shopping commissions.

(j) "May" is permissive.

(k) "Municipality " means the Village of Central Square. Wherever the context shall permit, Board, Council and Municipality shall be used interchangeably and shall have the same meaning under this Franchise.

(l) "NYSPSC" means New York State Public Service Commission.

(m) "Person" means an individual, partnership, association, corporation, joint stock company trust, corporation, or organization of any kind.

(n) "Service Tier" means a category of Cable Television Service provided by Time Warner Cable over the Cable Television System for which a separate rate is charged for such category by Time Warner Cable.

(o) "Shall" or "will" are mandatory.

(p) "Streets" means the surface of, as well as the space above and below, any and all streets, avenues, highways, boulevards, concourses, driveways, bridges, tunnels, parks, parkways, waterways, docks and public grounds and waters within or belonging to the Municipality.

(q) "Subscriber" means any person lawfully receiving any Cable Television Service in the Municipality provided over the Cable Television System.

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

SECTION 2 - CONSENT TO FRANCHISE AND CONDITION PRECEDENT

(a) The Municipality hereby grants to Time Warner Cable the non-exclusive right to construct, erect, operate and maintain a Cable Television System and to provide Cable Television Service within the Municipality as it now exists and may hereafter be changed, and in so doing to use the Streets of the Municipality by erecting, installing, constructing, repairing, replacing, reconstructing, maintaining and retaining in, on, over, under, upon and across any and all said Streets such facilities (e.g., poles, wires, cables, conductors, ducts, conduits, vaults, pedestals, manholes, amplifiers, appliances, attachments and other property) as is deemed necessary or useful by Time Warner Cable, for the operation of its cable system. Additionally, the Municipality, insofar as it may have the authority to so grant, hereby authorizes Time Warner Cable to use any and all easements dedicated to compatible uses, such as electric, gas, telephone or other utility transmissions, for the purposes of erecting, installing, constructing, repairing, replacing, reconstructing, maintaining and retaining in, on, over, under, upon and across such easements such facilities of the Cable Television System as is deemed necessary or useful by Time Warner

Cable, for the operation of its cable system. Upon request by Time Warner Cable and at Time Warner Cable's sole expense, the Municipality hereby agrees to assist Time Warner Cable in gaining access to and using such easements.

(b) Nothing in this Franchise shall limit the right of Time Warner Cable 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 Time Warner Cable. The provision by Time Warner Cable of any service other than cable service shall be subject to all applicable laws and regulations and to any right the Municipality may have to require fair and reasonable compensation for Time Warner Cable's use of the rights-of-way to provide such service, provided that such requirement is non-discriminatory and competitively neutral.

(c) Without waiver or restriction of the rights available to the parties hereto under applicable law, this Franchise and the attachments hereto constitute the entire agreement between the parties and supersede any and all prior cable television agreements and other agreements or instruments by or between the parties hereto or their predecessors in interest as well as all rights, obligations and liabilities arising thereunder concerning or in any way relating to Cable Television Service.

(d) In the event the Municipality grants to any other Person (being referred to as "Grantee" in the below quoted paragraph) a franchise, consent or other right to occupy or use the Streets, or any part thereof, for the construction, operation or maintenance of all or part of a cable television system or any similar system or technology, the Municipality shall insert the following language into any such franchise, consent or other document and/or promptly pass a resolution, conditioning the use of the Streets or any part thereof by any such Person, as follows:

> "Grantee agrees that it will not move, damage, penetrate, replace or interrupt any portion of the Cable Television System of Time Warner Cable without the prior written consent of Time Warner Cable. Grantee shall indemnify Time Warner Cable against any damages or expenses incurred by Time Warner Cable as a result of any removal, damage, penetration, replacement or interruption of the services of Time Warner Cable caused by the Grantee." As used immediately above in the above quoted paragraph, the term "Time Warner Cable" shall mean Time Warner Cable Entertainment-Advance/Newhouse Partnership, as defined in this Franchise, and its successors, assigns and transferees.

(e) This Franchise is non-exclusive. Any grant of a subsequent franchise shall be on terms and conditions which are not more favorable or less burdensome than those imposed on Franchisee hereunder.

As used in this Section, the phrase, "occupancy or use of Streets," or any similar phrase, shall not be limited to the physical occupancy or use thereof but shall include any use above or below the Streets

by any technology including but not limited to infrared transmissions.

SECTION 3 - 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 Municipality 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. Sec. 521 et seq. (hereinafter referred to as the "Communications Act"). The Municipality hereby represents and warrants that this Franchise has been duly entered into in accordance with all applicable local laws. The Municipality hereby acknowledges that it, by duly authorized members thereof, has met with Time Warner Cable for the purposes of evaluating Time Warner Cable and negotiating and consummating this Franchise.

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

SECTION 4 - FRANCHISE TERM

The term of this Franchise shall be ten (10) years.

SECTION 5 - ASSIGNMENT OR TRANSFER OF FRANCHISE

(a) Time Warner Cable shall not transfer this Franchise to any person, firm, company, corporation or any other entity without the prior written consent of the Municipality, which consent shall not be unreasonably withheld or denied.

(b) Notwithstanding the above, this Section 5 shall not be applicable and no prior approval shall be required if Time Warner Cable shall transfer this Franchise to any of its principal partners, to any parent, subsidiary or affiliate of any of the principal partners of Time Warner Cable, or to any other firms or entities controlling, controlled, by or under the same common control as Time Warner Cable.

(c) In the event that the Municipality refuses to grant such consent, it shall set forth specific reasons for its decision in writing by municipal resolution.

SECTION 6 - REVOCATION

(a) The Municipality may revoke this Franchise and all rights afforded Time Warner Cable

hereunder in any of the following events or for any of the following reasons:

(I) Time Warner Cable fails after sixty (60) days written notice from the Municipality to substantially comply or to take reasonable steps to comply with a material provision of this Franchise. Notwithstanding the above, should Time Warner Cable comply or take said reasonable steps to comply within said sixty days notice, the Municipality's right to revoke this Franchise shall immediately be extinguished; or

(ii) Time Warner Cable is adjudged a bankrupt; or

(iii) Time Warner Cable knowingly and willfully attempts or does practice a material fraud or deceit in its securing of this Franchise.

(b) Notwithstanding the above, no revocation shall be effective unless and until the Municipality shall have adopted a resolution setting forth the cause and reason for the revocation and the effective date thereof, which resolution shall not be adopted until the expiration of one hundred twenty (120) days from the date of delivery of written notice to Time Warner Cable specifying the reasons for revocation and an opportunity for Time Warner Cable to be fully and fairly heard on the proposed adoption of such proposed resolution. If the revocation as proposed therein depends on a finding of fact, such finding of fact shall be made by the Municipality only after an administrative hearing providing Time Warner Cable with a full and fair opportunity to be heard, including, without limitation, the right to introduce evidence, the right to the production of evidence and the right to question witnesses. A transcript shall be made of such hearing. Time Warner Cable shall have the right to appeal any such administrative decision to a state or federal district court as Time Warner Cable may choose and the revocation shall not become effective until any such appeal has become final or the time for taking such appeal shall have expired.

SECTION 7 - INDEMNIFICATION & INSURANCE

(a) Time Warner Cable shall indemnify and hold harmless the Municipality from all liability, damage and cost or expense arising from claims of injury to persons or damage to property occasioned by reason of any conduct of Time Warner Cable its employees or agents undertaken pursuant to this Franchise. The Municipality shall promptly notify Time Warner Cable of any claim for which it seeks indemnification; afford Time Warner Cable the opportunity to fully control the defense of such claim and any compromise, settlement, resolution or other disposition of such claim, including by making available to Time Warner Cable all relevant information under its control.

(b) Time Warner Cable shall as of the Effective Date of this Franchise obtain liability insurance in the minimum amount set forth within and shall furnish to the Municipality evidence of such liability insurance policy or policies, in the form of a certificate of insurance naming the Municipality as an additional named insured, which policy or policies or replacements thereof

shall remain in effect throughout the term of this Franchise; said policy and replacements shall be in the combined amount of Two Million Dollars ($2,000,000.00) for bodily injury and property damage issued by a company authorized to do business in New York State. In addition, Time Warner Cable shall carry Worker's Compensation insurance for its employees in such amounts as is required by the laws of the State of New York. The insurance coverage herein referred to above may be included in one or more policies covering other risks of Time Warner Cable or any of its affiliates, subsidiaries or assigns.

SECTION 8 - USE OF EXISTING POLES AND LOCATION OF UNDERGROUND FACILITIES

(a) Time Warner Cable hereby agrees that when and wherever it deems it economical and reasonably feasible, it shall enter into agreements with telephone or electric or other utilities (collectively "utilities") for the use of said utilities' poles or conduit space whereby said utilities shall provide use of and access to said poles or conduit space by Time Warner Cable for Time Warner Cable's lines and other equipment. Notwithstanding the above, where necessary to service Subscribers and where attachment to the pole(s) or conduit space of utilities is not economically reasonable or otherwise feasible, Time Warner Cable may erect or authorize or permit others to erect any poles or conduit space or any other facilities within the Streets of the Municipality pursuant to the issuance by the Municipality of any necessary authorizations which shall not be unreasonably withheld or delayed.

(b) Subject to the provisions of sub-paragraph (c) below, in such areas of the Municipality where it or any sub-division thereof shall hereafter duly require that all utility lines be installed underground, Time Warner Cable shall install its lines underground in accordance with such requirement.

(c) Notwithstanding the foregoing, if Time Warner Cable shall in any instance be unable to install or locate its wires underground, then the Municipality, on being apprised of the facts thereof, shall permit such wires to be installed above the ground even though other facilities in the area may be placed, or required to be placed, underground. However, any such permission shall be on such conditions as the Municipality may reasonably require.

SECTION 9 - RELOCATION OF PROPERTY

(a) Whenever the Municipality shall require the relocation or reinstallation of any property of Time Warner Cable in or on any of the Streets of the Municipality as a result of the relocation or other improvements by the Municipality of any such Streets, it shall be the obligation of Time Warner Cable on written notice of such requirement to remove and relocate or reinstall such property as may be reasonably necessary to meet the requirements of the Municipality. In the event any other person, including a public utility, is compensated for similar relocation or reinstallation then in such case Time Warner Cable shall be similarly compensated.

(b) Time Warner Cable shall, on request of a person holding a building or moving permit issued by the Municipality, temporarily raise or lower its wires or other property or relocate the same temporarily so as to permit the moving or erection of buildings. The expenses of any such temporary removal, raising or lowering of wires or other property shall be paid in advance to Time Warner Cable by the person requesting the same. Time Warner Cable shall be given in such cases not less than five (5) working days prior written notice in order to arrange for the changes required.

SECTION 10 - USE & INSTALLATION

(a) Time Warner Cable or any person authorized by Time Warner Cable to erect, construct or maintain any of the property of Time Warner Cable used in the transmission or reception of Cable Television Service shall at all times employ due care under the facts and circumstances and shall maintain and install said property of Time Warner Cable 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. All Cable Television System equipment shall conform to those standards of the National Electrical Code and the National Board of Fire Underwriters which exist at the time said equipment is installed and replaced.

(b) Time Warner Cable agrees to install all Cable Television System equipment in a manner to reasonably minimize interference to be expected with the usual use of the Streets and in no event shall any such Cable Television System equipment be located so as to substantially and regularly interfere with the usual public travel on any Street of the Municipality. Time Warner Cable shall construct and maintain its cable system using materials of good and durable quality and shall perform all work involved in the construction, installation, maintenance and repair of the cable system in a safe, thorough and reliable manner. Time Warner Cable shall promptly repair or replace any municipal property damaged or destroyed by Time Warner Cable so as to restore it to serviceable condition.

(c) Whenever Time Warner Cable or any person on its behalf shall cause any injury or damage to public property or Street, 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 Time Warner Cable from the Municipality or after Time Warner Cable becomes aware of the same, in such fashion so as to restore the property or Street to serviceable condition. Time Warner Cable is hereby granted the authority to trim trees upon and overhanging the Streets of, and abutting private property, (i.e., in the public way) in the Municipality to the extent it reasonably deems necessary so as to prevent the branches or growths from coming in contact with the wires, cable and other equipment of Franchisee's Cable Television System.

SECTION 11 - CONTINUOUS SERVICE

Time Warner Cable shall continue to provide cable service to all subscribers who meet their obligations to Time Warner Cable with respect to such service. Time Warner Cable shall not, without the written consent of the Municipality abandon its cable television system or any portion thereof without the written consent of the Municipality.

SECTION 12 - FRANCHISE AREA AND LINE EXTENSION

Time Warner Cable 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.

SECTION 13 - OPERATION AND MAINTENANCE

(a) Time Warner Cable shall contract and maintain its cable system using materials of good and durable quality and shall perform all work involved in the construction, installation, maintenance and repair of the cable system in a safe, thorough and reliable manner.

(b) Time Warner Cable shall maintain and operate its cable television system at all times in compliance with the duly promulgated and lawful provisions of Section 596 of the Rules and Regulations of the NYSPSC and the technical requirements set forth by the FCC. Time Warner Cable shall maintain staffing levels and support equipment to assure that telephone inquiries are handled promptly in order to minimize busy signals and hold time. Time Warner Cable shall have, at all times, a person on call able to perform minor repairs or corrections to malfunctioning equipment of the cable system. Time Warner Cable shall respond to individual requests for repair service no later than the next business day. System outages, and problems associated with channel scrambling and switching equipment, shall be acted upon promptly after notification. Time Warner Cable shall maintain a means to receive repair service requests and notice of system outages at times when its business office is closed. The Municipality shall have the right and authority to request an inspection or test performed, all at the Municipality's expense. Time Warner Cable shall fully cooperate in the performance of such testing.

(c) Throughout the term of this Franchise, Franchisee's Cable Television System shall have a minimum channel capacity of 750 MHz. Time Warner Cable shall exercise reasonable efforts in good faith to maximize the number of energized channels available to subscribers.

SECTION 14 - RATES

(a) The rates and charges imposed by Time Warner Cable for cable television service shall be subject to the approval of the Municipality and the NYSPSC to the extent consistent with applicable State and Federal law. The rates for any cable television service for which such approval is required shall be deemed part of the Franchise. A required approval of a change in rates in accordance with the appropriate procedures for such approval shall be deemed to amend the Franchise with respect to rates, any other requirements with respect to amendments to the Franchise to the contrary notwithstanding.

(b) Time Warner Cable shall not illegally discriminate against individuals in the establishment and application of rates and charges for Video Programming or other communication services available to generally all subscribers.

SECTION 15 - SERVICE TO PUBLIC FACILITIES, ACCOUNTABILITY PROVISIONS AND INSPECTION OF RECORDS

(a) At the request of the Municipality, Time Warner Cable shall provide and maintain a single service outlet to any accredited school, police station, firehouse and municipally owned building which is occupied for governmental purposes, provided the connection point is no further than one hundred fifty feet (150') from the closest feeder line of the Cable Television System. All such connections shall be above ground except where all utility lines and cables in the area are underground. The Municipality shall not extend such service to additional outlets, without the express written consent of Time Warner Cable.

(b) Municipality, upon reasonable notice and during normal business hours, shall have the right to inspect all books, records, maps, plans, financial statements and other like materials of Time Warner Cable which are pertinent to Time Warner Cable's compliance with the terms and conditions of this Franchise.

(c) Municipality and Time Warner Cable agree that Time Warner Cable's obligations hereunder are subject to any applicable law, including laws regarding the privacy of information regarding subscribers.

(d) Municipality will maintain the confidentiality of any information obtained pursuant to this provision to the extent permitted by law, provided Time Warner Cable has advised Municipality of the confidential nature of the information. In the event that the Municipality receives request for the disclosure of such information with which it, in good faith, believes it must under law comply, then the Municipality will give Time Warner Cable notice of such request as soon as possible prior to disclosure in order to allow Time Warner Cable to take such steps as it may deem appropriate to seek judicial or other remedies to protect the confidentiality of such information.

SECTION 16 - PUBLIC, EDUCATIONAL AND GOVERNMENTAL ACCESS CHANNELS

Time Warner Cable shall comply with the minimum standards for public, educational and governmental (PEG) access channels as set forth in Section 595.4 of the Rules of the NYSPSC.

SECTION 17 - ADDITIONAL SUBSCRIBER SERVICES

(a) Payment for cable television service rendered to subscribers is due and payable in advance. A late charge, as determined by Time Warner Cable, may be applied to delinquent accounts.

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

(c) Time Warner Cable shall have the right to disconnect delinquent subscribers and charge such subscribers a disconnection charge as determined by Time Warner Cable, 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 Time Warner Cable's procedures for reporting and resolving billing disputes and Time Warner Cable's policy and the subscribers rights in regard to "personally identifiable information," as that term is defined in Section 631 of the Communications 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 or State law.

(e) Time Warner Cable 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 Time Warner Cable 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, Time Warner Cable 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 Municipality for this Franchise shall be Supervisor or Mayor of the Municipality. The Administrator is responsible for the continuing

administration of the Franchise on behalf of the Municipality. All correspondence and communications between Time Warner Cable and the Municipality pursuant to this Franchise shall be addressed by Time Warner Cable to the Administrator.

(h) It is agreed that all Cable Television Service offered to any subscribers under this Franchise shall be conditioned upon Time Warner Cable having legal access to any such subscriber's dwelling units or other units wherein such service is provided.

(I) Time Warner Cable shall comply with the Customer Service Consumer Protection Standards set forth in Sections 590 and 596 of the Rules and Regulations of the NYSPSC.

(j) At least once each year, Time Warner Cable shall provide notice to each subscriber of its procedures for reporting and resolving subscriber complaints.

SECTION 18 - FRANCHISE FEES

(a) Time Warner Cable shall pay the Municipality an amount equal to __% of Time Warner Cable's Gross Revenues received by Time Warner Cable directly from subscribers for cable services purchased by subscribers on a regular, recurring monthly basis.

(b) There shall be applied as a credit against the Franchise Fee the aggregate of: (i) any taxes, fees or assessments of general applicability imposed on Time Warner Cable or any subscribers, or both, which are discriminatory against Time Warner Cable or any subscribers, (ii) any non-capital expenses incurred by Time Warner Cable in support of the PEG access requirements of this Franchise and (iii) any fees or assessments payable to the NYSPSC which when combined with all other fees and credits would exceed 5% of gross revenues. Time Warner Cable shall have the right to apply franchise fees paid as a credit against special franchise assessments pursuant to Section 626 of the New York State Real Property Tax Law.

(c) Payment of the franchise fee shall be due quarterly within sixty (60) days of the end of the each quarter (April 1st, July 1st, October 1st and January 1st). Time Warner Cable shall submit to the Municipality, along with the payment of said fees, a report showing reasonable detail the basis for the computation thereof.

SECTION 19 - SEVERABILITY, GOVERNING LAW, POLICE POWERS REQUESTS FOR AUTHORIZATION AND NON-DISCRIMINATION

(a) Should any provision of this Franchise be held invalid by a court or regulatory agency of competent jurisdiction, the remaining provisions of this franchise shall remain in full force and effect.

(b) To the extent not inconsistent with or contrary to applicable federal law, the terms of this Franchise shall be governed and construed in accordance with the laws of the State of New York. The parties hereby acknowledge and argue that any provisions of this Franchise or any existing or future State or local laws or rules that are inconsistent with or contrary to any applicable Federal law, including the Cable Act, as the same may be amended, are and shall be prohibited, preempted and/or superseded to the extent of any inconsistency or conflict with any applicable Federal laws.

(c) In addition to the provisions contained in this Franchise and in existing applicable ordinances, the Municipality may adopt such additional regulations as it shall find necessary in the exercise of its police power, provided, however, that such regulations are reasonable and not materially in conflict with the privileges granted in this Franchise.

(d) Time Warner Cable shall file requests for any necessary operating authorization with the NYSPSC and the FCC within sixty (60) days from the date the Franchise is awarded by the Municipality.

(e) Time Warner Cable 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.

SECTION 20- NOTICE

All notices required herein shall be in writing and shall be deemed delivered when received by United States certified mail, return receipt requested, or on the date of delivery to addressee when sent by express mail, or overnight, or hand delivered to the parties and locations as specified below. Both Time Warner Cable and Municipality may change where notice is to be given by giving notice to the other.

When notices sent to
Time Warner Cable:

Time Warner Cable of Syracuse
Attention: General Manager
6005 Fair Lakes Road
East Syracuse, New York 13057
Telephone: (315) 634-6200
Facsimile: (315) 463-8020

or

Time Warner Cable
Attention: Division President
6005 Fair Lakes Road
East Syracuse, New York 13057

Telephone: (315) 634-6200
Facsimile: (315) 463-2088

When notices sent to Municipality:

Village of Central Square
Attention: Mayor
P.O. Box 509
Central Square, New York 13036

SECTION 21- FORCE MAJEURE

In no event, and notwithstanding any contrary provision in this Franchise, shall this Franchise be subject to revocation or termination, or Time Warner Cable be subject to penalty or prejudice or in any way liable for non-compliance with or delay in the performance of any obligations hereunder, where its failure to cure or take reasonable steps to cure is due to reason of strike, Acts of God, acts of public enemies, order of any kind of a government of the United States of America or of the State or any of their departments, agencies, political subdivisions; riots, epidemics, landslides, lightning, earthquakes, fires, hurricanes, tornadoes, volcanic activity, storms, floods, washouts, droughts, civil disturbances, explosions, partial or entire failure of utilities or any other cause or event not reasonably within the control of Time Warner Cable. Time Warner Cable shall not be deemed to be in violation or default during the continuance of such inability and Time Warner Cable shall be excused from its obligations herein during the course of any such events or conditions and the time specified for performance of Time Warner Cable's obligations hereunder shall automatically extend for a period of time equal to the period of the existence of any such events or conditions and such reasonable thereafter as shall have been necessitated by any such events or conditions.

SECTION 22- RIGHTS OF ENFORCEMENT

Nothing contained in this Franchise is intended to or shall confer any rights or remedies on any third parties to enforce the terms of this Franchise.

SECTION 23- FURTHER ASSURANCES

The Municipality shall, without further consideration, execute and deliver such further instruments and documents and do such other acts and things as Time Warner Cable may reasonably request in order to effect and confirm this Franchise and the rights and obligations contemplated herein.

SECTION 24- INTEGRATION

This Franchise supersedes all prior negotiations between the parties hereto and shall be binding upon and inure to the benefit of the parties hereto and each of their respective successors and permitted assigns. This Franchise may be amended (except as otherwise expressly provided for herein) only by agreement in writing signed by duly authorized persons on behalf of both parties. To the extent required by State law, amendments hereto shall be confirmed or approved by the NYSPSC.

This Franchise may be executed in one or more counterparts, all of which taken together shall be deemed one (1) original.

The headings of the various Sections of this Franchise are for convenience only, and shall not control or affect the meaning or construction of any of the provisions of the Franchise.

The rights and remedies of the parties pursuant to this Franchise are cumulative and shall be in addition to and not in derogation of any rights or remedies which the parties may have with respect to the subject matter of this Franchise.

SECTION 25- NO JOINT VENTURE

Nothing herein shall be deemed to create a joint venture or any agency or employment relationship between the parties, and neither party is authorized to nor shall either party act toward any third parties or to the public in any manner which would indicate any such relationship with the other.

IN WITNESS WHEREOF, the parties hereto have executed this agreement this 1st day of October, 2005.

TIME WARNER ENTERTAINMENT-ADVANCE/NEWHOUSE PARTNERSHIP

By: Mary L Lotter
Officer Name

Title:

MUNICIPALITY: VILLAGE OF CENTRAL SQUARE

By: Michael Dyson
Name

Title: Mayor

STATE OF NEW YORK
VILLAGE OF CENTRAL SQUARE **COUNTY OF OSWEGO**

In the Matter of the Renewal of the Cable Television Franchise Held by **TIME WARNER ENTERTAINMENT - ADVANCE/NEWHOUSE PARTNERSHIP** in the Village of Central Square, Oswego County, NY

RESOLUTION

An application has been duly made to the Village Board of the Village of Central Square, Oswego County, New York, by 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 whose principal place of business is located at 6005 Fair Lakes Road, East Syracuse, New York 13057, and holder of a cable television franchise in the Village of Central Square for the approval of an agreement to renew Time Warner Cable's cable television franchise for an additional ten (10) years commencing October 1st, 2005. The Franchise Renewal Agreement would bring the franchise into conformity with certain provisions of the Federal Cable Communications Policy Act of 1984, as amended, and certain court rulings.

A public hearing was held at the Village Hall, Central Square, New York on August 15, 2005, at 7:00 p.m. and notice of the hearing was published in the Citizen Outlet on August 2nd, 2005. The Village Board for the Village of Central Square voted to approve the agreement to renew Time Warner Cable's cable television franchise on the 15th of August, 2005.

NOW, THEREFORE, the Village Board of the Village of Central Square finds that:

1. Time Warner Cable has substantially complied with the material terms and conditions of its existing franchise and with applicable law; and
2. The quality of Time Warner Cable's service, including signal quality, response to customer complaints and billing practices has been reasonable in light of community

needs; and

3. Time Warner Cable has the financial, legal and technical ability to provide the services, facilities and equipment as set forth in its proposal attached; and

4. Time Warner Cable can reasonably meet the future cable-related community needs and interests, taking into account the cost of meeting such needs and interests.

BE IT FURTHER RESOLVED that the Village Board of the Village of Central Square hereby renews the cable television franchise of Time Warner Cable in the Village of Central Square for ten (10) years commencing October 1st, 2005 and expiring October 1st, 2015.

BE IT FURTHER RESOLVED that the Village Board of the Village of Central Square hereby confirms that this Franchise Renewal Agreement replaces the original franchise granted and all amendments thereto.

The foregoing having received a majority vote was thereby declared adopted.

Dated: 8/16, 2005

Lore A. Corbett
Village Clerk
Village of Central Square

INVOICE

THE PALLADIUM TIMES

AFFIDAVIT

140 W. First Street Oswego, NY 13126
PHONE (315) 343-3800 FAX (315) 343-0273

Paula Gurniak
Time Warner Cable
6005 Fair Lakes Rd
EAST SYRACUSE, NY 13057

Alternate Acct#: 1727
Date: 09/07/05
Due Date: 09/07/05

Ad#	Text	Start	Stop	Days	Amount
02549106	LEGAL NOTICE PLEASE TAKE NOTI	08/31/05	09/07/05	2	31.68
	Affidavit for Legals				2.75
				Total Due:	34.43

State of New York,
County of Oswego, SS.
THE PALLADIUM TIMES
September 7, 2005

Personally appeared before the undersigned, a Notary Public, etc. within and for said County and State, Michael Russo, Advertising Manager of The Palladium Times, a daily in Oswego, County of Oswego, State of New York, who being duly sworn, states on oath that the notice of which the annexed a copy was published in said newspaper for: 2 time(s), the issues bearing date(s) of 08/31/2005,09/07/2005

Affiant is not interested in the subject matter of the aforesaid notice or advertisement, and all allegations in the foregoing statement as to time, place and character of the publication are true.

Michael Russo

Michael Russo, Advertising Manager

Sworn to and subscribed before me this 7th day of September, 2005.

Kelly R. Wood

Kelly R. Wood
Notary Public
Commission Expires February 28, 2007

AFFIDAVIT OF PUBLICATION

LEGAL NOTICES

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 the renewal of its Certificate of Confirmation and Cable Television Franchise in the Village of Central Square, Oswego 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 Village of Central Square, P.O. Box 509, Central Square, New York 13036, during normal business hours.

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

TIME WARNER CABLE - SYRACUSE DIVISION
#412, August 31, September 7, 2005

AFFIDAVIT OF PUBLICATION

STATE OF NEW YORK,
OSWEGO COUNTY } VS:

VS: } FEES: $ _____

Mark H. Backus being duly sworn, deposes and says that he is the publisher of the

Citizen Outlet

a weekly newspaper published at Mexico, Oswego County, and State of New York, and that the annexed printed notice was published in said paper once in each week for 1 successive weeks, the first publication thereof being on Wednesday, the 3rd day of August 2005 and the last upon Wednesday, the 3rd day of August 2005

Mark Backus

Sworn to and subscribed before me this 5 day of 8/2005

Ruth M Graham

Notary Public in and for Oswego Co., N.Y.

RUTH M. GRAHAM
NOTARY PUBLIC, STATE OF NEW YORK
NO. 01GR6091058 - OSWEGO COUNTY
COMMISSION EXPIRES APRIL 21, 2007

Legal Notice

Please Take Notice That the Village Board of the Village of Central Square, Oswego County, New York has scheduled a public hearing for the 15th of August, 2005 at 7:00 p.m. at the Village Hall, Central Square New York to consider renewal of the cable television franchise held by Time Warner Entertainment - Advance/Newhouse Partnership (hereinafter referred to as "Time Warner Cable"). The purpose of the hearing is to consider a Franchise Renewal Agreement which would renew Time Warner Cable's cable television franchise for an additional ten (10) years commencing on the 1st of October, 2005, and bring the franchise into conformity with certain provisions of the Federal Cable Communications Policy Act of 1984, as amended. The Agreement, if approved by the Village Board, shall not take effect without the prior approval of the New York State Public Service Commission. A copy of the Franchise Renewal Agreement is available for public inspection at the Office of the Village Clerk during normal business hours. Interested persons may file comments or objections with the New York State Public Service Commission, Three Empire State Plaza, Albany, New York 12223.

Dated: July 13, 2005
Lorie Corsette
Village Clerk
31w1-C

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) 634-6200 Time Warner Cable
6005 Fair lakes Road
East Syracuse, NY 13221

Time Warner Cable
335 West First Street
Oswego, New York 13126

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

Village of Central Square - Oswego 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 B)
- Secondary residential connections	See Attached Rate Card (Exhibit B)
- Pay-cable subscriptions	See Attached Rate Card (Exhibit B)
- Commercial connections	See Attached Rate Card (Exhibit B)
- Other	See Attached Rate Card (Exhibit B)

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)? 0.00 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:

The System is rebuilt to a minimum of 750 MHZ.

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 Village of Central Square Certificate of Confirmation and Franchise Agreement.

Mary L. Cotter
President
Time Warner Cable - Syracuse Division

Dated: September 20, 2005

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

20 day of September, 2005

Notary Public

RICHARD T. STRONG
Notary Public, State of New York
No. 02ST6013057
Qualified in Onondaga County
Commission Expires December 28, 20__

EXHIBIT A

Central Square Rates & Services

CS 1815

A.	*Cable Service:*	*Effective 1/1/05*
	Basic Service:	**$10.21**
	Standard Service: (Consists of Basic Service @ $10.21/mo. + all Standard channels @ $35.34/mo.)	**45.55**
	Channel Guide Monthly Publication	**2.75**
B.	*Premium Services:**	
	Home Box Office	**10.95**
	Cinemax	**8.95/7.25†**
	Showtime Unlimited (includes The Movie Channel)	**9.95/7.25†**
	STARZ!	**7.75††**

† *If taken as a second premium service.*
†† *Multiple discounts apply when taken in combination with other Premium Services.*

**Additional equipment required to receive these Premium Services.*

C.	*International (Foreign Language) Premium Channels:**	
	TV5 International French language channel	**9.95**
	RAI Italy's culture and lifestyle channel	**9.95**
	ZEE TV Programming from India and Pakistan	**14.95**
	SBN 24-hour Vietnamese culture and lifestyle channel	**9.95**
	RTN 24-hour Russian language channel	**9.95**
	TV ASIA South Asia's culture and lifestyle channel	**14.95**
	CCTV China's cultural, news and entertainment channel	**9.95**
	ART Arabic cultural, news and entertainment channel	**9.95**
D.	*Digital Cable Services**	
	Full Digital Cable Service (includes channels 100-210, plus Digital Navigator Package)	**11.95**
	Explorer Pak (channels 100-199, 209, 210, plus Digital Navigator Package)	**7.95**
	Digital Movie Pak (includes channels 200-208, plus Digital Navigator Package)	**5.00**
	High-Definition Package (includes channels 810-816, featuring ESPN HD, HDNet, HDNet Movies, and iNDemand's INHD and INHD2). *A HD-capable terminal is required to receive HD channels*	**6.95**
	Sports Plus Package (channels 235-242)	**4.95**
	Latino Especial Package (channels 600-620)	**9.95**
	Digital Navigator Package (includes Interactive Program Guide, 47 Music Choice channels, plus access to iNDemand, iCONTROL and Premium Services)	**1.00**
	Premium ON DEMAND	**6.95**
	Digital Video Recorder (DVR) Service	**6.95**

Central Square Rates & Services

E.	*Equipment:*	
	Home Terminal / Digital Terminal / HD Terminal	7.62
	Remote/ Digital Remote	.33
	Cable Card (for Digital Cable-ready Sets)	2.00
F.	*Installation Charges:*	
	Standard Install/Reconnect (pre-wired home)	28.95
	Standard Installation (unwired home)	43.82
	Hourly Service Charge	37.81
	Additional Outlet(s) at time of initial installation	18.81
	Additional Outlet(s), separate trip	30.43
	Equipment Deactivation Fee (Sales tax will be applied to installation charges)	3.99

G. *Equipment Replacement Costs:*

The equipment that Time Warner Cable provides to customers for use in their homes remains the property of Time Warner Cable; customers are responsible for the return of that equipment upon the discontinuance of any related service, or be subject to the following charges for unreturned or lost equipment:

Digital Terminal (converter)	272.00
HD Digital Terminal	313.00
Digital Video Recorder (DVR)	448.00
HD Digital Video Recorder	513.00
Remote Control	6.00
Residential Modem	49.00
Wireless Modem	111.00
Digital Phone/Modem	137.00
Cable Card	66.00

Digital Terminal is required in order to receive some channels and/or services. Rates and charges apply to standard residential installations and service. The above rates for cable service packages and equipment do not include franchise fees or State and Federal regulatory fees.

Central Square 1/05
CS 1815

TIME WARNER CABLE

Payments accepted in person at IGA Plus
3033 East Avenue, Central Square • (315) 634-6000 •
www.twcny.com

EXHIBIT B

Channel Line-up • 1-800-8-CABLE-6

This lineup subject to change at any time.

BASIC CABLE
2 TV Guide Channel
3 WSTM-3 (Syracuse, NBC)
4 WSPX-56 (Syracuse, PAX)
5 WTVH-5 (Syracuse, CBS)
6 WSTQ (Syracuse, UPN)
7 WNYS-43 (Syracuse, WB)
8 WSYT-68 (Syracuse, FOX)
9 WIXT-9 (Syracuse, ABC)
10 NEWS 10 NOW
11 WCNY-24 (Syracuse, PBS)
12 WCNY 2 (Syracuse, PBS)
13 The Source
14 WPBS-16 (Watertown, PBS)
16 Educational Access
96 Public/Government Access

STANDARD CHANNELS
17 TBS
18 Animal Planet
19 QVC
20 ABC Family
21 fX Network
22 CNN
23 Headline News
24 ESPN
25 ESPN2
26 Time Warner Sports
27 CMT: Country Music Television
28 MTV
29 VH-1
30 Lifetime
31 USA
32 The Discovery Channel
33 A&E
34 Nickelodeon
35 C-SPAN
36 C-SPAN2
37 CNBC
38 MSNBC
39 FOX News Channel
40 The Weather Channel
41 Travel Channel
42 HSN: Home Shopping Network
43 Hallmark Channel
44 EWTN
45 TNT
46 Food Network
47 TV Land
48 BET
49 TLC: The Learning Chanel
50 Comedy Central
51 Cartoon Network
52 Court TV
53 YES: Yankees Entertainment & Sports
54 FOX Sports New York
55 OLN: Outdoor Life Network
56 MSG: Madison Square Garden
57 The Golf Channel
58 SoapNet
59 Discovery Health
60 HGTV: Home & Garden TV
61 Sci-Fi Channel
62 The History Channel
63 TCM: Turner Classic Movies
64 WE: Women's Entertainment
65 Lifetime Movie Network
66 National Geographic Channel
67 AMC
68 Fit TV
69 Oxygen
70 Bravo
71 The Disney Channel
72 ESPN Classic
73 Infomercial Channel
74 Univision
75 Style
76 Shop at Home
77 E!
78 Spike TV
80 Shop NBC

PREMIUM CHANNELS
15 HBO

Digital Channel Line-up

100 MSG: Madison Square Garden
101 ESPN Classic
102 The Golf Channel
103 Speed Channel
105 Outdoor Channel
106 FOX Sports World
107 ESPNews
109 Information
110 TCM: Turner Classic Movies
111 AMC
112 Lifetime Real Women
115 The Sundance Channel
119 GoodLife TV
120 Discovery Kids
121 The Science Channel
122 The Military Channel
123 Discovery Health
124 Discovery Times Channel
125 Discovery Home Channel
126 The History Channel
127 History Channel Inter.
128 National Geographic
129 BBC America
130 The Biography Channel
131 Court TV
133 C-SPAN3
134 Newsworld International
135 Bloomberg
136 CNBC World
137 G4tech TV
138 DIY Network
139 International Channel
140 CMT: Country Music TV
141 Great American Country
142 MTV2
143 Fuse
144 VH1 Classic
145 BET on Jazz
146 Music On Demand
147 My MC
150 Ovation
151 Bravo
152 TRIO
159 Fine Living
160 Style
162 GSN - Network for Games
163 America's Store
167 Cartoon On Demand
168 Kids On Demand
169 Anime On Demand
170 Disney
171 Disney West
172 Toon Disney
173 Noggin
174 Nick 2
175 Nick Gas
176 Boomerang
177 Nicktoons
189 Daystar
190 Trinity Broadcasting Network

Oswego/Central Sq. 1/05
OSCS-0314

200 Encore
201 Encore West
202 Encore Action
203 Encore Love Stories
204 Encore Mystery
205 Encore Westerns
206 Encore True Stories
207 WAM!
208 FOX Movie Channel
209 IFC: Independent Film Channel
210 Local WeatherNOW
996 The Answer Place

SPORTS PLUS PACKAGE
235 FCS Atlantic
236 FCS Central
237 FCS Pacific
238 FOX Sports Español
239 The Tennis Channel
240 Fuel
241 NBA TV
242 College Sports TV

PREMIUM CHANNELS
300 HBO
301 HBO West
302 HBO2
303 HBO2 West
304 HBO Signature
305 HBO Signature West
306 HBO Family
307 HBO Family West
308 HBO Comedy
309 HBO Comedy West
310 HBO Zone
311 HBO Zone West
312 HBO Latino
313 HBO Latino West
320 Cinemax
321 Cinemax West
322 MoreMax
323 MoreMax West
324 ThrillerMax
325 ThrillerMax West
326 ActionMax
327 ActionMax West
328 wmax
329 @max
330 5starmax
331 outermax
340 Showtime
341 Showtime Too
342 Showtime Showcase
343 Showtime Extreme
344 Showtime Beyond
345 Showtime Next
346 Showtime Women
347 Showtime Family Zone
350 The Movie Channel
351 The Movie Channel Xtra
360 STARZ!
361 STARZ! West
362 STARZ! Theater
363 STARZ! Theater West
364 STARZ! Family
365 STARZ! Family West
366 STARZ! Cinema
367 STARZ! Cinema West
368 Black STARZ!
369 Black STARZ! West

LATINO ESPECIAL PACKAGE
600 Cine Latino
602 Sorpresa!
604 CNN Español
606 FOX Sports Español
608 Discovery Español
610 VH Uno
612 MTV Español
614 Mun2
616 Puma TV
618 Video Rola
620 Canal Sur

INTERNATIONAL PREMIUM SERVICES
653 TV5 - French
656 RTN - Russian
659 RAI - Italian
662 TV Asia - Hindi
663 ZEE TV - Hindi
665 CCTV-4 - Chinese
672 Saigon Broadcasting Network
675 ART - Arabic

PAY-PER-VIEW
400 Sports & Events Programming Previews
401 Events iN DEMAND 1
402 Events iN DEMAND 2

PREMIUM ON DEMAND*
299 HBO On Demand
319 Cinemax On Demand
339 Showtime On Demand
349 TMC On Demand
* Monthly subscription required.

ICONTROL
399 iControl Main Catalog
403 - 412 iControl Movie by Title
490 - 495 Adult On Demand
500 iControl Movies On Demand

PREMIUM ON DEMAND*
525 HBO On Demand
526 Cinemax On Demand
527 Showtime On Demand
528 TMC On Demand

FREE ON DEMAND
550 HGTV On Demand
551 DIY On Demand
552 Food Network On Demand
553 Biography Channel On Demand
554 Music On Demand
555 BBC America On Demand
556 Cartoon Network On Demand
557 CNN Showcase On Demand
558 Comedy Central On Demand
559 Golf Channel On Demand
560 Instant Info
561 Tech TV On Demand
562 Court TV On Demand
563 Fine Living On Demand
564 Oxygen On Demand
565 Kids On Demand
566 Anime On Demand
567 National Geographic On Demand
568 Speed Channel On Demand
569 My MC On Demand
570 Great American Country On Demand
997 Answers On Demand

MUSIC CHOICE
701 - 747

HIGH DEFINITION TIER*
810 ESPN HD
811 HD Net
812 HD Net Movies
815 INHD
816 INHD2

HIGH DEFINITION CHANNELS*
800 HBO HDTV
801 Showtime HDTV
820 Discovery HDTV
821 TNT HD
850 - 852 WCNY (Syracuse, PBS)**
855 WTVH HD (Syracuse, CBS)
863 WSTM (Syracuse, NBC)
889 WIXT (Syracuse, ABC)
* HD-compatible converter and TV set required to receive these channels.
** Some HD programming available during prime time.

TIME WARNER CABLE
www.twcny.com

Oswego/Central Sq. 1/05
OSCS-0314

CURRENT ANNUAL PERFORMANCE TEST

PAGE 1

TIME WARNER CABLE - SYRACUSE DIVISION

FCC Proof - of - Performance Tests

System Name	:	Syracuse			
Plant Mileage	:	3539.5300	***As of***	:	02/01/2005
Basic Subscribers	:	176623	***As of***	:	01/01/2005
System Bandwidth	:	550.0000			
Number of Channels Tested	:	9			
Number of Test Points	:	20			
Test Start Date	:	01/01/2005			
Test Completion Date	:	02/01/2005			

PAGE 2

TIME WARNER CABLE - SYRACUSE DIVISION

Statement of Qualifications

System Name : Syracuse

Date : 01/01/2005

FCC Testing Summary

Changes Since Last Proof of Performance Test :

Dropped CNNfN and OTB
Added Discovery Health and Style

Test Results :

All test results were favorable.

Miscellaneous :

Time Warner Syracuse system includes: Syracuse, Fulton, Seneca, Oswego, and Central Square.
The following hubs are fed from the Fair Lakes Headend: Geddes, Burdick, Meridian, Oswego, Fulton, Baldwinsville, Liverpool, Davis, Mapleview, and Chimes.
Digital services occupy frequencies from 550MHz to 747MHz.

PAGE 3 MAIN

TIME WARNER CABLE - SYRACUSE DIVISION

System Name : Syracuse **Date** : 01/01/2005

Sub System Name : Syracuse-Suburbs

ACTUAL CHANNEL	CARRIER FREQ	CONV CH.	TYPE	SC ("Y")	VITS ("Y")	CALL LTR	PROG SOURCE	ACTUAL CHANNEL	CARRIER FREQ	CONV CH.	TYPE	SC ("Y")	VITS ("Y")	CALL LTR	PROG SOURCE
2	55.2500	2	TV			TVGUID	SAT	DD (40)	319.2625	40	TV		Y	TWC	SAT
3	61.2500	3	TV		Y	WSTM	OFFAIR	EE (41)	325.2625	41	TV		Y	TRAVEL	SAT
4	67.2500	4	TV		Y	WSPX	OFFAIR	FF (42)	331.2750	42	TV		Y	HSN	SAT
5	77.2500	5	TV		Y	WTVH	OFFAIR	GG (43)	337.2625	43	TV		Y	HALLM	SAT
6	83.2500	6	TV			WSTQ	STUDIO	HH (44)	343.2625	44	TV		Y	EWTN	SAT
A-5 (95)	91.2500							II (45)	349.2625	45	TV		Y	TNT	SAT
A-4 (96)	97.2500							JJ (46)	355.2625	46	TV			FOOD	SAT
A-3 (97)	103.2500							KK (47)	361.2625	47	TV			TVLAND	SAT
A-2 (98)	109.2750	98	TV			P/A	LOCAL	LL (48)	367.2625	48	TV		Y	BET	SAT
A-1 (99)	115.2750							MM (49)	373.2625	49	TV			TLC	SAT
A (14)	121.2625	14	TV		Y	WGN	SAT	NN (50)	379.2625	50	TV			COMEDY	SAT
B (15)	127.2625	15	TV			HBO	SAT	OO (51)	385.2625	51	TV		Y	TOON	SAT
C (16)	133.2625	16	TV			AMER	SAT	PP (52)	391.2625	52	TV			COURT	SAT
D (17)	139.2500	17	TV		Y	WTBS	SAT	QQ (53)	397.2625	53	TV			YES	SAT
E (18)	145.2500	18	TV		Y	ANIMAL	SAT	RR (54)	403.2500	54	TV			FSNY	SAT
F (19)	151.3210	19	TV		Y	QVC	SAT	SS (55)	409.2500	55	TV			OLN	SAT
G (20)	157.2500	20	TV		Y	ABCFAM	SAT	TT (56)	415.2500	56	TV			MSG	SAT
H (21)	163.2500	21	TV			FXNET	SAT	UU (57)	421.2500	57	TV		Y	GOLF	SAT
I (22)	169.2500	22	TV		Y	CNN	SAT	VV (58)	427.2500	58	TV			SOAP	SAT
7	175.2500	7	TV		Y	WNYS	OFFAIR	WW (59)	433.2500	59	TV			DISC H	SAT
8	181.2500	8	TV		Y	WSYT	OFFAIR	XX (60)	439.2500	60	TV		Y	HGTV	SAT
9	187.2500	9	TV		Y	WDXT	OFFAIR	YY (61)	445.2500	61	TV		Y	SCIFI	SAT
10	193.2500	10	TV			N10N	STUDIO	ZZ (62)	451.2500	62	TV		Y	HIST	SAT
11	199.2500	11	TV		Y	WCNY	OFFAIR	63	457.2500	63	TV			TCM	SAT
12	205.2500	12	TV			WCNYH	STUDIO	64	463.2500	64	TV		Y	WE	SAT
13	211.2500	13	TV			SOURCE	LOCAL	65	469.2500	65	TV			LMN	SAT
J (23)	217.2500	23	TV		Y	CNNHLN	SAT	66	475.2500	66	TV			NATGEO	SAT
K (24)	223.2500	24	TV		Y	ESPN	SAT	67	481.2500	67	TV		Y	AMC	SAT
L (25)	229.2625	25	TV			ESPN2	SAT	68	487.2500	68	TV			FIT TV	SAT
M (26)	235.2625	26	TV			TWSP	LOCAL	69	493.2500	69	TV		Y	OXYGEN	SAT
N (27)	241.2625	27	TV		Y	CMT	SAT	70	499.2500	70	TV		Y	BRAVO	SAT
O (28)	247.2625	28	TV		Y	MTV	SAT	71	505.2500	71	TV		Y	DISNEY	SAT
P (29)	253.2625	29	TV		Y	VH-1	SAT	72	511.2500	72	TV			ESPNC	SAT
Q (30)	259.2625	30	TV		Y	LIFE	SAT	73	517.2500	73	TV			ACCESS	SAT
R (31)	265.2625	31	TV		Y	USA	SAT	74	523.2500	74	TV		Y	UNIVIS	SAT
S (32)	271.2625	32	TV		Y	DISC	SAT	75	529.2500	75	TV			STYLE	SAT
T (33)	277.2625	33	TV		Y	A&E	SAT	76	535.2500	76	TV			LEASED	SAT
U (34)	283.2625	34	TV		Y	NICK	SAT	77	541.2500	77	TV		Y	E! TV	SAT
V (35)	289.2625	35	TV		Y	CSPAN	SAT	78	547.2500	78	TV		Y	SPIKE	SAT
W (36)	295.2625	36	TV		Y	CSPAN2	SAT	79	553.2500						
AA (37)	301.2625	37	TV		Y	CNBC	SAT	80	559.2500	80	TV		Y	VALUE	SAT
BB (38)	307.2625	38	TV		Y	MSNBC	SAT	81	565.2500						
CC (39)	313.2625	39	TV		Y	FOXN	SAT								

PAGE 3 A

TIME WARNER CABLE - SYRACUSE DIVISION

System Name : Syracuse **Date** : 01/01/2005

Sub System Name : Syracuse-City

ACTUAL CHANNEL	CARRIER FREQ	CONV CH.	TYPE	SC ("Y")	VITS ("Y")	CALL LTR	PROG SOURCE	ACTUAL CHANNEL	CARRIER FREQ	CONV CH.	TYPE	SC ("Y")	VITS ("Y")	CALL LTR	PROG SOURCE
2	55.2500	2	TV			HBO	SAT	DD (40)	319.2625						
3	61.2500	3	TV		Y	WSPX	SAT	EE (41)	325.2625						
4	67.2500	4	TV		Y	WSTM	SAT	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							MM (49)	373.2625						
A (14)	121.2625							NN (50)	379.2625						
B (15)	127.2625	15	TV			TVGUID	SAT	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)	253.2625							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														

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TIME WARNER CABLE - SYRACUSE DIVISION

System Name : Syracuse **Date** : 01/01/2005

Sub System Name : Syracuse-Fulton

ACTUAL CHANNEL	CARRIER FREQ	CONV CH.	TYPE	SC ("Y")	VITS ("Y")	CALL LTR	PROG SOURCE	ACTUAL CHANNEL	CARRIER FREQ	CONV CH.	TYPE	SC ("Y")	VITS ("Y")	CALL LTR	PROG SOURCE
2	55.2500	2	TV			TVGUID	SAT	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	6	TV			HBO	SAT	HH (44)	343.2625						
A-5 (95)	91.2500							II (45)	349.2625						
A-4 (96)	97.2500	96	TV			P/A	LOCAL	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							MM (49)	373.2625						
A (14)	121.2625							NN (50)	379.2625						
B (15)	127.2625	15	TV			WSTQ	STUDIO	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)	253.2625							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														

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TIME WARNER CABLE - SYRACUSE DIVISION

System Name : Syracuse **Date** : 01/01/2005

Sub System Name : Syracuse- Oswego

ACTUAL CHANNEL	CARRIER FREQ	CONV CH.	TYPE	SC ("Y")	VITS ("Y")	CALL LTR	PROG SOURCE	ACTUAL CHANNEL	CARRIER FREQ	CONV CH.	TYPE	SC ("Y")	VITS ("Y")	CALL LTR	PROG SOURCE
2	55.2500	2	TV			TVGUID	SAT	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	96	TV			P/A	SAT	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							MM (49)	373.2625						
A (14)	121.2625	14	TV			WNPE	OFFAIR	NN (50)	379.2625						
B (15)	127.2625							OO (51)	385.2625						
C (16)	133.2625	16	TV			GOVED	STUDIO	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)	253.2625							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														

FE MUX BER	QAM NAME	QAM FREQUENCY	ANALOG CHANNEL	MOD. TYPE	SESSION NUMBER	MPEG IN	MPEG OUT	BMR MPEG	SERVICE	QAM SOURCE	DIGITAL CHANNEL
WIF *	QAM1	567MHz	81	64	2	vpci 256		128	In-Band	1 Mbps	N/A
OT 2	17 sessions	BIG QAM			4	vpci 257		129	Cam IB	1 Mbps	
ORT 1					6	vpci 258		130	IPG IB	1 Mbps	
					8	vpci 259		131	PPV IB	1 Mbps	
					10	vpci 260		132	IPG2 IB	1 Mbps	
					12	vpci 261		133	IPG3 IB	1 Mbps	
					14	vpci 262		134	IPG4 IB	1 Mbps	
					16	vpci 263		135	IPG5 IB	1 Mbps	
					18	vpci 264		136	IPG6 IB	1 Mbps	
					20	vpci 265		137	IPG7 IB	1 Mbps	
					22	vpci 266		138	PPV IB2	1 Mbps	
					222	vpci 267		139	VCS BFS source	.5 Mbps	
					4022	vpci 268		140	Saxod	2.0 Mbps	
					4024	vpci 269		141	Saxod_IB_LG	2.0 Mbps	
					4026	vpci 270		142	Saxod_IB_SM	2.0 Mbps	
					4028	vpci 271		143	BstIB	2.0 Mbps	
OT 2					4034	vpci 272		144	hgate	2.0 Mbps	
ORT 1					199			145	OSM	3.0 Mbps	
	QAM2	591 MHz	85	256	1911	12	12	12	INDemand 1	AMC11 T3 BB 10-5 BB 9-12	401
UAD	10 SD				1916	6	6	6	INDemand 2	AMC11 T3 BB 10-5 BB 9-12	402
ASI		BMR 1			1180	3	3	3	CSPAN-3	G10T20 BB2-3 - BB9-12	133
OT 1					1116	4	4	4	Toon Disney	G10T20 BB2-3 - BB9-12	172
ORT 1					1117	1	11	11	ESPN News	G10T20 BB2-3 - BB9-12	107
					1102	2	2	2	ESPN Classic	G10T20 BB2-3 - BB9-12	101
					1947	7	7	37	Sports and Entertain Barker	GE1 T14 BB10-7 BB9-12	400
					1127	9	10	10	Fine Living	AMC11 T3 BB 10-5 BB9-12	159
					1218	3	8	8	GAC	AMC11 T20Q -RTE -BB3-7 - BB 9-12	141
					1217	1	1	1	TBN	C3T12 -RTE -BB3-8 - BB 9-12	190
	QAM3	597 MHz	86	256	1300	1	1	1	HBO East	Galaxy 1 T23(I) BB 10-7 BB 3-14	300
UAD	13 Video				1301	2	2	2	HBO Plus East	Galaxy 1 T23(I) BB 10-7 BB 3-14	302
ASI	4 Music	BMR 2			1302	3	3	3	HBO Signature East	Galaxy 1 T23(I) BB 10-7 BB 3-14	304
OT 5					1303	4	4	4	HBO Family East	Galaxy 1 T23(I) BB 10-7 BB 3-14	306
ORT1					1307	8	8	8	HBO Latino East	Galaxy 1 T23(I) BB 10-7 BB 3-14	312
					1310	21	21	21	Max East	Galaxy 1 T23(I) BB 10-7 BB 3-14	320
					1311	22	22	22	More Max East	Galaxy 1 T23(I) BB 10-7 BB 3-14	322
					1313	23	23	23	Action Max East	Galaxy 1 T23(I) BB 10-7 BB 3-14	326
					1370	7	7	7	WMAX East	Galaxy 1 T18(Q) BB 10-8 BB3-14	328
					1371	27	27	27	@MAX East	Galaxy 1 T18(Q) BB 10-8 BB3-14	329
					1372	44	44	44	5 StarMAX East	Galaxy 1 T18(Q) BB 10-8 BB3-14	330
					1373	30	30	30	OuterMAX East	Galaxy 1 T18(Q) BB 10-8 BB3-14	331
					6028	1	9	9	CH996 - info	BB 4-2 BB 3-14	996
					1563	24	24	24	Hit List MUS19	G5 T10 BB 10-1 BB 3-14	719
					1565	25	25	25	80's MUS21	G5 T10 BB 10-1 BB 3-14	721
					1566	22	222	222	Power Rock MUS12	G5 T10 BB 10-1 BB 3-14	712
					1562	23	233	233	Soft Rock MUS18	G5 T10 BB 10-1 BB 3-14	718
	QAM4	603 MHz	87	256	1312	24	24	24	Thriller Max East	Galaxy 1 T18(Q) BB 10-8 BB 4-12	324
UAD	13 Video				1305	26	26	26	HBO Zone East	Galaxy 1 T18(Q) BB 10-8 BB 4-12	310
ASI	7 Music	BMR 2			1304	6	11	11	HBO Comedy East	Galaxy 1 T18(Q) BB 10-8 BB 4-12	308
OT 5					1113	7	7	7	Encore	Galaxy 1 T13 BB 10-5 BB 4-12	200
ORT2					1201	8	8	8	Encore West	Galaxy 1 T13 BB 10-5 BB 4-12	201
					1206	9	9	9	WAM!	Galaxy 1 T13 BB 10-5 BB 4-12	207
					1330	1	1	1	Starzl	Galaxy 1 T13 BB 10-5 BB 4-12	360
					1357	2	2	2	Starzl West	Galaxy 1 T13 BB 10-5 BB 4-12	361
					1331	3	3	3	Starzl2	Galaxy 1 T13 BB 10-5 BB 4-12	362
					1332	4	4	4	Starzl4 Family	Galaxy 1 T13 BB 10-5 BB 4-12	364
					1333	6	6	6	Starzl5 Cinema	Galaxy 1 T13 BB 10-5 BB 4-12	366
					1358	10	10	10	Starzl5 Cinema West	Galaxy 1 T13 BB 10-5 BB 4-12	367
					1334	5	5	5	Bet Movies	Galaxy 1 T13 BB 10-5 BB 4-12	368
					1646	28	28	28	Today's Country MUS2	G5 T10 BB 10-1 BB 4-12	702
					1647	29	29	29	Classic Country MUS3	G5 T10 BB 10-1 BB 4-12	703
					1570	30	30	30	Big Band & Swing MUS26	G5 T10 BB 10-1 BB 4-12	726
					1569	31	31	31	Singers & Stds MUS25	G5 T10 BB 10-1 BB 4-12	725
					1571	32	32	32	Easy Listening MUS27	G5 T10 BB 10-1 BB 4-12	727
					1567	26	266	266	70's MUS23	G5 T10 BB 10-1 BB 4-12	723
					1568	27	27	27	Solid Gold Oldies MUS24	G5 T10 BB 10-1 BB 4-12	724
	QAM5	621 MHz	90	256	1219	6	3	3	Nat Geo	G7/G11-T6V BB 3-3 BB4-11	128
UAD	5 SD				9007	7	7	7	NHL / MLB 7	GE 1 T13 BB 9-5 BB 4-11	486
ASI	1 HD	BMR 2			9010	10	6	6	NHL / MLB 10	GE 1 T13 BB 9-5 BB4-11	489
OT 1	8 Music				1100	1	2	2	MSG	Edge RTE BB 3-7 BB4-11	100
ORT 2					2068	1	1	1	[redacted]	AMC10 T14 BB4-6 BB4-11	820
					3025	1	5	5	Daystar TV	IA 13 T20 BB 4-7 BB4-11	189
					1554	18	18	18	Metal MUS10	G5 T10 BB 10-1 BB4-11	710
					1558	19	19	19	Alternative MUS14	G5 T10 BB 10-1 BB4-11	714
					1561	20	20	20	Progressive MUS17	G5 T10 BB 10-1 BB4-11	717
					1557	21	21	21	Classic Rock MUS13	G5 T10 BB 10-1 BB4-11	713
					1551	14	141	141	Classic R&B MUS7	G5 T10 BB 10-1 BB4-11	707
					1550	15	15	15	R&B and Hip Hop MUS6	G5 T10 BB 10-1 BB4-11	706
					1560	16	16	16	Dance MUS16	G5 T10 BB 10-1 BB4-11	716
					1553	17	17	17	Rap MUS9	G5 T10 BB 10-1 BB4-11	709

QUAD	QAM6	627 MHz	91	256	9035	2	2	2	[redacted]	Galaxy 9 T19 BB9-3 BB7-11	811
ASI	2 HD	BMR 1			9036	3	3	3	[redacted]	Galaxy 9 T19 BB9-3 BB7-11	812
DT 1											
ORT 3											
	QAM7	639 MHz	93	256	1362	11	11	11	HBO West	Galaxy 1 T23(Q) BB 10-6 BB 4-13	301
QUAD	11 Video	BMR 2			1363	12	12	12	HBO Plus West	Galaxy 1 T23(Q) BB 10-6 BB 4-13	303
ASI	9 Music				1364	13	13	13	HBO Signature West	Galaxy 1 T23(Q) BB 10-6 BB 4-13	305
LOT 7					1365	14	14	14	HBO Family West	Galaxy 1 T23(Q) BB 10-6 BB 4-13	307
ORT 3					1366	18	18	18	HBO Latino West	Galaxy 1 T23(Q) BB 10-6 BB 4-13	313
					1367	31	31	31	Max West	Galaxy 1 T23(Q) BB 10-6 BB 4-13	321
					1368	32	32	32	More Max West	Galaxy 1 T23(Q) BB 10-6 BB 4-13	323
					1369	33	33	33	Action Max West	Galaxy 1 T23(Q) BB 10-6 BB 4-13	327
					1374	15	15	15	HBO Cmdy West	Galaxy 1 T23(Q) BB 10-3 BB 4-13	309
					1375	16	16	16	HBO Zone West	Galaxy 1 T23(Q) BB 10-3 BB 4-13	311
					1376	34	34	34	Thriller Max West	Galaxy 1 T23(Q) BB 10-3 BB 4-13	325
					1579	34	344	344	Light Classical MUS35	G5 T10 BB 10-1 BB 4-13	735
					1576	35	35	35	Soundscapes MUS32	G5 T10 BB 10-1 BB 4-13	732
					1572	36	36	36	Smooth Jazz MUS28	G5 T10 BB 10-1 BB 4-13	728
					1573	37	37	37	Jazz MUS29	G5 T10 BB 10-1 BB 4-13	729
					1574	38	38	38	Blues MUS30	G5 T10 BB 10-1 BB 4-13	730
					1582	39	39	39	Gospel MUS38	G5 T10 BB 10-1 BB 4-13	738
					1581	40	40	40	Comp Christian MUS37	G5 T10 BB 10-1 BB 4-13	737
					1585	41	41	41	Musica Latina MUS41	G5 T10 BB 10-1 BB 4-13	741
					1577	33	333	333	Classical Master MUS33	G5 T10 BB 10-1 BB 4-13	733
	QAM8	645 MHz	94	256	1202	1	1	1	Encore Action	Galaxy 1 T3 BB 9-7 BB 3-13	202
UAD	[redacted]deo				1203	3	3	3	Encore Love	Galaxy 1 T3 BB 9-7 BB 3-13	203
ASI	[redacted]sic	BMR 2			1204	5	5	5	Encore Mystery	Galaxy 1 T3 BB 9-7 BB 3-13	204
.OT 3					1205	9	9	9	Encore Westerns	Galaxy 1 T3 BB 9-7 BB 3-13	205
ORT 1					1207	7	7	7	Encore True	Galaxy 1 T3 BB 9-7 BB 3-13	206
	City of Syracuse only				2099	1	11	11	Syr Fire Dept	BB 3-5 BB3-13	88
					1996	4	4	4	Hot Network	IA 13 T15 BB 3-6 BB 3-13	496
					2497	7	17	17	Ten Blox	IA 13 T24 BB 3-8 BB 3-13	493
					2496	3	14	14	Ten Clips	IA 13 T24 BB 3-2 BB 3-13	495
					2495	4	15	15	Ten	IA 13 T24 BB 3-2 BB 3-13	494
					1591	51	51	51	Americana MUS 47	G5 T10 BB 10-1 BB 3-13	704
					1590	50	50	50	Mexicana MUS 46	G5 T10 BB 10-1 BB 3-13	476
					1583	11	111	111	For Kids Only MUS39	G5 T10 BB 10-1 BB 3-13	739
					1575	12	121	121	Raggae MUS31	G5 T10 BB 10-1 BB 3-13	731
					1552	13	131	131	Smooth R&B MUS8	G5 T10 BB 10-1 BB 3-13	708
					1545	5	55	55	Showcase MUS1	G5 T10 BB 10-1 BB 3-13	701
					1548	6	66	66	Bluegrass MUS4	G5 T10 BB 10-1 BB 3-13	704
					1559	7	77	77	Electronica MUS15	G5 T10 BB 10-1 BB 3-13	715
					1555	8	88	88	Rock MUS11	G5 T10 BB 10-1 BB 3-13	711
					1549	9	99	99	R&B Hip Hop MUS5	G5 T10 BB 10-1 BB 3-13	705
					1584	10	101	101	Snds of Season MUS40	G5 T10 BB 10-1 BB 3-13	740
	QAM9	657 MHz	101	256	2915	1	1	1	INDemand 15	IA 13 T3 BB10-4 BB8-12	413
UAD	8 SD				2916	2	2	2	INDemand 16	IA 13 T3 BB10-4 BB8-12	414
ASI	1 HD	BMR 2			2917	3	3	3	INDemand 17	IA 13 T3 BB10-4 BB8-12	415
OT 3					2918	4	4	4	INDemand 18	IA 13 T3 BB10-4 BB8-12	416
RT 2					2919	5	5	5	INDemand 19	IA 13 T3 BB10-4 BB8-12	417
					2920	6	6	6	INDemand 20	IA 13 T3 BB10-4 BB8-12	418
					2921	7	7	7	INDemand 21	IA 13 T3 BB10-4 BB8-12	439
					1948	9	9	9	iControl Barker	BB 9-2 BB8-12	N/A
					9037	300	300	300	[redacted]	G9 (Gal 10R) T23V BB 7-3 BB8-12	821
	QAM10	663 MHz	102	256	1183	1	59	59	TRIO	G1RT24 - BB3-4 - BB2-11	152
UAD	10 SD				1185	2	60	60	Newsworld Int	G1RT24 - BB3-4 - BB2-11	134
ASI					2106	8	54	54	FOX Sports World	G7/G11-T6V BB2-7 - BB2-11	106
OT 3		BMR 1			1141	1	56	56	Bet on Jazz	G11T3 - BB2-1 - BB2-11	145
RT 3					1150	3	57	57	Ovation	G11T13 - BB3-4 - BB2-11	150
					7777	255	255	255	AonD Looping Barker	SC Node 14724 BB7-7 BB2-11	N/A
					1162	2	58	58	Game Show Network	AMC11 T8 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

	QAM11	669 MHz	103	256	1120	2	2	2	Discovery Kids	AMC11 T 22 BB 3-5 BB 7-14	120
'IAD	11 SD				1121	3	3	3	Discovery Science	AMC11 T 22 BB 3-5 BB 7-14	121
BI					1104	5	48	48	Speed Channel	G7/G11-T6V BB2-7 - BB2-12	103
LOT 4		BMR 1			1122	7	4	4	Military Channel	AMC11 T 22 BB 3-5 BB 7-14	122
ORT 1					1213	5	55	55	Discovery Civilizations	AMC11 T 22 BB 3-5 BB 7-14	124
					1212	4	54	54	Discovery Home & L.	AMC11 T 22 BB 3-5 BB 7-14	125
					1124	6	50	50	BBC America	AMC11 T 22 BB 3-5 BB 7-14	129
					2113	1	7	7	FUEL	G7/G11-T6V BB 2-7 BB 7-14	240
					1377	6	6	6	Sundance	BB 10-8 BB 7-14	115
					1110	4	52	52	TCM	Galaxy 1R T15 BB 7-4 BB 7-14	110
					5061	40	43	43	IFC	IA 13 T14V BB3-6 BB7-14	209
	QAM12	675 MHz	104	256	1341	7	7	7	TMC 2	AMC11 T19 BB 10-8 BB 9-11	351
QUAD	12 SD				1340	4	4	4	TMC	AMC11 T19 BB 10-8 BB 9-11	350
ASI		BMR 1			1352	8	8	8	Showtime Beyond	AMC11 T19 BB 10-8 BB 9-11	344
LOT 5					1323	9	9	9	Showtime Extreme	AMC11 T19 BB 10-8 BB 9-11	343
ORT 3					1322	3	3	3	Showtime 3	AMC11 T19 BB 10-8 BB 9-11	342
					1321	2	2	2	Showtime Too	AMC11 T19 BB 10-8 BB 9-11	341
					1320	1	1	1	Showtime East	AMC11 T19 BB 10-8 BB 9-11	340
					1324	5	5	5	FLIX	AMC11 T19 BB 10-8 BB 9-11	16 W'twn
					1949	1	11	11	SOD ICONTROL Barker	C3 T16 BB 7-6 BB 9-11	N/A
					1190	50	50	50	Fuse	IA 13 T14V BB3-6 - BB 9-11	143
					1181	4	109	109	Bloomberg	AMC11 T8 BB3-1 - BB 9-11	135
					1112	7	45	45	FXM	G7/G11-T6V BB2-7 - BB 9-11	208
	QAM13	711MHz	110	256	1600	1	1	1	NBA / WNBA CH.	GE 1 T8 BB 4-3 BB 7-13	460
	12 SD				1601	2	12	12	NBA / WNBA PPV 2	GE 1 T8 BB 4-3 BB 7-13	462
IUAD		BMR 2			1602	3	13	13	NBA / WNBA PPV 4	GE 1 T8 BB 4-3 BB 7-13	464
ASI					1603	4	14	14	NBA / WNBA PPV 6	GE 1 T8 BB 4-3 BB 7-13	466
.OT 14					1604	5	15	15	NBA / WNBA PPV 8	GE 1 T8 BB 4-3 BB 7-13	468
ORT 1					1605	6	16	16	NBA / WNBA PPV 10	GE 1 T8 BB 4-3 BB 7-13	470
					1471	2	2	2	ESPN sports pkg 1	G9 (G10R) T21 BB7-8 BB7-13	472
					1472	3	3	3	ESPN sports pkg 2	G9 (G10R) T21 BB7-8 BB7-13	473
					1473	4	4	4	ESPN sports pkg 3	G9 (G10R) T21 BB7-8 BB7-13	474
					1474	5	5	5	ESPN sports pkg 4	G9 (G10R) T21 BB7-8 BB7-13	475
					1475	6	6	6	ESPN sports pkg 5	G9 (G10R) T21 BB7-8 BB7-13	476
					1477	8	8	8	ESPN sports pkg 6	G9 (G10R) T21 BB7-8 BB7-13	477
	QAM14	717 MHz	111	256	9001	1	1	1	NHL / MLB 1	GE 1 T13 BB 9-5 BB 9-11	480
IUAD	9 SD	BMR2			9002	2	2	2	NHL / MLB 2	GE 1 T13 BB 9-5 BB 9-11	481
ASI	1 HD				9003	3	3	3	NHL / MLB 3	GE 1 T13 BB 9-5 BB 9-11	482
OT 2	8 Music				9004	4	4	4	NHL / MLB 4	GE 1 T13 BB 9-5 BB 9-11	483
2T 2					9005	5	5	5	NHL / MLB 5	GE 1 T13 BB 9-5 BB 9-11	484
					9006	6	6	6	NHL / MLB 6	GE 1 T13 BB 9-5 BB 9-11	485
					9008	8	8	8	NHL / MLB 8	GE 1 T13 BB 9-5 BB 9-11	487
					9009	9	9	9	NHL / MLB 9	GE 1 T13 BB 9-5 BB 9-11	488
					1951	40	40	40	HOD Barker	G9 (G10R) T21 BB 9-4 BB 9-11	n/a
					1306	51	51	51	[redacted]	G9 (G10R) T21 BB 9-4 BB 9-11	800
					1589	43	43	43	Mexicana	G5 T10 BB 10-1 BB 9-11	745
					1588	44	44	44	Latin Love Songs	G5 T10 BB 10-1 BB 9-11	744
					1564	45	45	45	Party Faviorites	G5 T10 BB 10-1 BB 9-11	720
					1580	46	46	46	Show Tunes	G5 T10 BB 10-1 BB 9-11	736
					1578	47	47	47	Opera	G5 T10 BB 10-1 BB 9-11	734
					1566	48	48	48	New Wave	G5 T10 BB 10-1 BB 9-11	722
					1587	49	49	49	Rock en Espanol	G5 T10 BB 10-1 BB 9-11	743
					1586	42	42	42	Salsa Merengue	G5 T10 BB 10-1 BB 9-11	742
	QAM15	735 MHz	114	256	1359	6	6	6	Starz!2 West	G5 T12 BB10-4 BB3-12	363
UAD	7 SD				1361	8	8	8	Starz!4 Family West	G5 T12 BB10-4 BB3-12	365
ASI 7		BMR 1			1126	20	20	20	Biography	IA 13 T14V BB3-6 BB3-12	130
ORT1					1125	30	30	30	History Int	IA 13 T14V BB3-6 BB3-12	127
					1360	7	7	7	Bet Movies West	G5 T12 BB10-4 BB3-12	369
					4036	1	1	1	Navic Info Services	BB9-8 BB3-12	
					1131	1	46	46	Court TV	AMC11 T6 BB2-8 - BB3-12	131

	QAM16	741MHz	115	256	1353	1	1	1	Showtime Next	AMC11 T19 BB 9-1 BB 8-11	345
'AD	1 HD				1355	3	3	3	Showtime Women	AMC11 T19 BB 9-1 BB 8-11	346
SI	6 SD				1354	2	2	2	Showtime Family	AMC11 T19 BB 9-1 BB 8-11	347
.OT 15					2114	12	12	12	College Sports TV	G1R T22 BB4-5 BB8-11	242
ORT 1		BMR 2			1378	3	4	4	Goodlife	G1R T22 BB4-5 BB8-11	119
					2112	7	7	7	NBA TV	GE1 T8 BB 4-3 BB 8-11	241
					1356	8	8	8	[redacted]	AMC10 T20	801
	QAM17	633 MHz	92	256	1208	4	1	1	VH1 Classic	AMC11 T15 BB10-3 BB3-11	144
IUAD	12 SD				1209	8	2	2	Nick GAS	AMC11 T15 BB10-3 BB3-11	175
ASI		BMR1			1210	10	3	3	Nick Too	AMC11 T15 BB10-3 BB3-11	174
.OT 7					1211	1	4	4	International Channel	Galaxy 11 T24I BB7-2 BB3-11	139
ORT 2					1214	5	8	8	Boomerang	Galaxy 1R T15 BB7-4 BB3-11	176
					1215	70	10	10	Do-It-Yourself	IA 13 T14V BB3-6 BB3-11	138
					1216	60	9	9	Tech TV	IA 13 T14V BB3-6 BB3-11	137
					1225	9	6	6	Nick Toons	AMC11 T15 BB10-3 BB3-11	177
					1163	4	14	14	America's Store	G1T24 - BB3-4 - BB3-11	163
					1182	1	5	5	MTV2	C3T15 BB10-3 BB3-11	142
					1184	7	7	7	Noggin	C3T15 BB10-3 BB3-11	173
					1221	80	80	80	CNBC World	IA 13 T14V BB3-6 BB3-11	136
	QAM18	747MHz	116	256	3103	1	4	4	MC Concerts – RTE	G5 T12 BB8-1 - BB7-11	254
UAD	10 SD				9031	1	5	5	Weather Now	BB8-3 - BB7-11	210
ASI		BMR 1			1065	8	8	8	Lifetime Real Women	G10 T20 BB 2-3 - BB7-11	112
OT 16					7778	254	254	254	AOLMU looping Barker	SC Node 14724 BB7-7 BB3-14	
IRT 2					1606	1	11	11	NBA / WNBA PPV 1	GE 1 T14 BB 10-7 BB 7-11	461
					1607	2	12	12	NBA / WNBA PPV 3	GE 1 T14 BB 10-7 BB 7-11	463
					1608	3	13	13	NBA / WNBA PPV 5	GE 1 T14 BB 10-7 BB 7-11	465
					1609	4	14	14	NBA / WNBA PPV 7	GE 1 T14 BB 10-7 BB 7-11	467
					1610	5	15	15	NBA / WNBA PPV 9	GE 1 T14 BB 10-7 BB 7-11	469
					1611	6	16	16	NBA / WNBA PPV 11	GE 1 T14 BB 10-7 BB 7-11	471
UAD	QAM19	693MHz			2065	1	1	1	[redacted]	BB 4-7 BB9-12	850
ASI	2 HD				2066	2	2	2	[redacted]	BB 4-7 BB9-12	851
OT 14					2067	3	3	3	[redacted]	BB 4-7 BB9-12	852
IRT 2					7003	1	4	4	[redacted]	BB 4-4 BB9-12	820
UAD	QAM20	687 Mhz			1005	2	2	2	[redacted]	BB 7-5 BB 7-12	863
ASI	2 HD	BMR1			7001	2	3	3	[redacted]	BB9-1 BB 7-12	889
OT 4											
IRT 3											
	QAM21	585 MHz	84	256	3211	1	2	2	Mun 2 - Spanish	AMC11 T20I BB7-2 BB8-11	614
'AD	13 SD				3220	3	3	3	CCTV-4- Chinese	G11 T24Q BB8-5 BB8-11	665
SI					3218	4	4	4	TV-Asia - Hindi	G11 T24Q BB8-5 BB8-11	662
OT 14		BMR1			3216	5	5	5	RTN - Russian	G11 T24I BB7-3 BB8-11	656
RT 3					3204	7	6	6	Tennis	IA13 T15 BB2-6 BB8-11	239
					3215	7	7	7	TV5 - French	G11 T24I BB7-3 BB8-11	653
					3222	8	8	8	SBN - Saigon	G11 T24Q BB8-5 BB8-11	672
					3208	9	9	9	Disc Espanol	AMC11 T22 BB3-5 BB8-11	608
					3210	3	10	10	MTV Espanol	AMC11 T15 BB10-3 BB8-11	612
					3209	12	11	11	VH Uno	Satcom C3 T15 BB8-4 BB8-11	610
					3219	12	12	12	Zee TV - Hindi	IA13 T12 BB8-7 BB8-11	663
					3217	13	13	13	RAI - Italian	G11 T24I BB7-3 BB8-11	659
					3223	14	14	14	ART -Arabic	G11 T24I BB7-3 BB8-11	675
JAD	[redacted]2	681MHz	105	256	3206	1111	2	2	Sorpresa	IA13 T18 BB8-8 BB8-12	602
SI	[redacted]				3201	3	3	3	Fox Sports Central	G7/G11-T6V BB2-7 BB8-12	238
OT 16		BMR 1			3214	4	4	4	Canal Sur	IA13 T6BB8-6 BB8-12	620
RT 3					3207	3	5	5	CNN Espanol	G1 T15 BB7-4 BB8-12	604
					3213	4	6	6	Video Rola	IA13 T12 BB8-7 BB 8-12	618
					3203	9	8	8	Fox Sports Espanol	G7/G11-T6V BB2-7 BB8-12	238
					3020	4	14	14	Fox Sports Pacific	G7/G11-T6V BB2-7 BB8-12	237
					1997	6	49	49	Playboy	IA13 T15 BB2-6 BB8-12	491
					1998	3	50	50	Hot Spice	IA13 T5 BB 10-2 BB8-12	496
					3212	9	9	9	Puma	IA13 T6 BB8-6 BB8-12	616
					3205	3	11	11	Cine Latino	IA13 T12 BB8-6 BB8-12	600
					3200	2	12	12	Fox Sports Atlantic	G7/G11-T6V BB2-7 BB8-12	235
OT 4	QAM23	729MHz				1	1	1	[redacted]	AMC10 T7	815
RT 2	2 HD					2	2	2	[redacted]	AMC10 T7	816
OT 2	QAM24	723MHx			9038	1	1	1	[redacted]	BB8-8 BB8-13	810
RT 3	1 HD	BMR 2									
		651 Ilion							[redacted]		875
	579 Potsdam and Watertown only								[redacted]		
									[redacted]		875

TIME WARNER CABLE- *SYRACUSE DIVSION*

Digital MQAM Frequencies

555 MHZ
609 MHz
615 MHz
651 MHz
These are for I-Control services.

PAGE 4 MAIN

TIME WARNER CABLE - SYRACUSE DIVISION

System Name : Syracuse **Date** : 1/1/2005

Sub System : Syracuse- Suburbs

Non Video Services

CARRIER FREQ	DESCRIPTION	BANDWIDTH	PROG SOURCE
53	SST	+/-600KHz	data
73	QPSK	+/-600KHz	SA
573	RR	+/-3MHz	DOCSIS
579	RR	+/-3MHz	CDLP

PAGE 4 A

TIME WARNER CABLE - SYRACUSE DIVISION

System Name : Syracuse **Date** : 1/1/2004

Sub System : Syracuse- City

Non Video Services

CARRIER FREQ	DESCRIPTION	BANDWIDTH	PROG SOURCE
53	SST	+/-600KHz	DATA
72.75	QPSK	+/-600KHz	SA
573	RR	+/-3MHz	DOCSIS
579	RR	+/-3MHz	CDLP

PAGE 4 B

TIME WARNER CABLE - SYRACUSE DIVISION

System Name : Syracuse **Date** : 1/1/2005

Sub System : Syracuse- Ful/Osw

Non Video Services

CARRIER FREQ	DESCRIPTION	BANDWIDTH	PROG SOURCE
53	SST	+/-600KHz	DATA
111	QPSK	+/-600KHz	SA
573	RR	+/-3MHz	DOCSIS
579	RR	+/-3MHz	CDLP

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TIME WARNER CABLE - SYRACUSE DIVISION

Statement of Qualifications

System Name : Syracuse

Employee Name : Jeremy Bellinger ***Title*** : Field Engineer
System : Syracuse

Qualifications :
Total years of service- 8 years
Installer 1
Service 2
Maintenance 1
Headend 2
Field Engineer 2
AOS in Electronics Technology
NCTI courses

Employee Name : Scott Tyler ***Title*** : Senior Network Technician
System : Syracuse

Qualifications :
Total years of service- 5 1/2 years
Installer 1/2
Service 3
Headend 1 1/2
Senior Network Tech 1/2
NCTI courses

Employee Name : Rodney Levesque ***Title*** : Headend Technician
System : Syracuse

Qualifications :
Total years of service- 4years
Installer 1/2
Service 3
Headend Technician 1/2

TIME WARNER CABLE - SYRACUSE DIVISION

Statement of Qualifications

System Name : Syracuse

Employee Name : Pat Thrall

Title : Senior Field Engineer

System : Syracuse

Qualifications :

Total years of service- 29years
Maintenance 7
Headend 7
Senior Field Engineer 15
Courses at Canton ATC
Various Tech Seminars

Employee Name : Jim Woods

Title : Maintenance Technician

System : Syracuse

Qualifications :

Total years of service- 5 1/2 years
Installer 1/2
Service 3
Maintenance 2

Employee Name : Don Singleton

Title : Maintenance Technician

System : Syracuse

Qualifications :

Total years of service- 20 years
Installer 4
Service 11
Maintenance 5

PAGE 5

TIME WARNER CABLE - SYRACUSE DIVISION

Statement of Qualifications

System Name : Syracuse

Employee Name : Paul Loran

Title : Maintenance Technician

System : Syracuse

Qualifications :

Total years of service- 23 years
Installer 1
Service 7
Maintenance 15

Employee Name : Kevin Battersby

Title : Maintenance Technician

System : Syracuse

Qualifications :

Total years of service- 15 years
Installer 1
Service 10
Maintenance 4

Employee Name : John Ellis

Title : Maintenance Technician

m : Syracuse

Qualifications :

Total years of service- 23 years
Installer 3
Service 17
Maintenance 7

PAGE 5

TIME WARNER CABLE - SYRACUSE DIVISION

Statement of Qualifications

System Name : Syracuse

Employee Name : Melvin Johnson

Title : Maintenance Technician

System : Syracuse

Qualifications :

Total years of service- 23 years
Installer 2
Service 2
Maintenance 19

TIME WARNER CABLE - SYRACUSE DIVISION

Test Equipment Listings

System Name : Syracuse **Date** : 1/1/2005

	Test Equipment			
EQUIPMENT DESCRIPTION	MODEL NUMBER	MANUFACTURER	SERIAL NUMBER	LAST CALIB
DSP	860i	Trilithic	221998	2004
DSP	860i	Trilithic	221999	2004
Calan	3010	HP	US39234341	n/a
NTSC	TSG	Tektronics	B028684	n/a
Preselector	n/a	Trilithic	F005120	n/a
Spectrum	8591C	HP	3649A01838	2004
Amp	LHA35RM	Lindsay	S104037	n/a

TIME WARNER CABLE - SYRACUSE DIVISION

Terminal Isolation Test

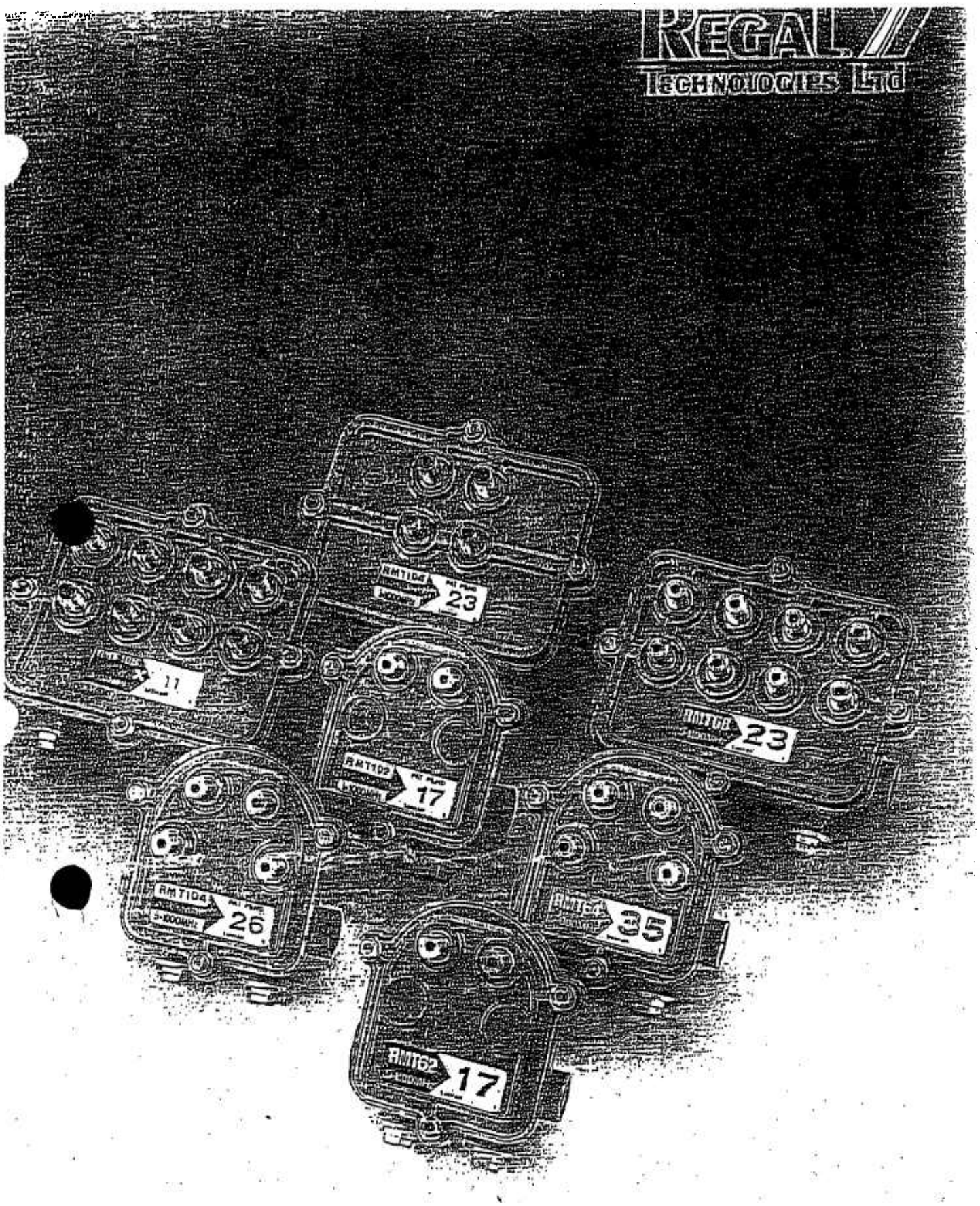
System Name : Syracuse ***Date*** : 01/01/2005

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.

REGAL TECHNOLOGIES LTD



1 GHz Taps

Line Passives

Hz, 100dB EMI
S10, RLDC10, RPI10 Series

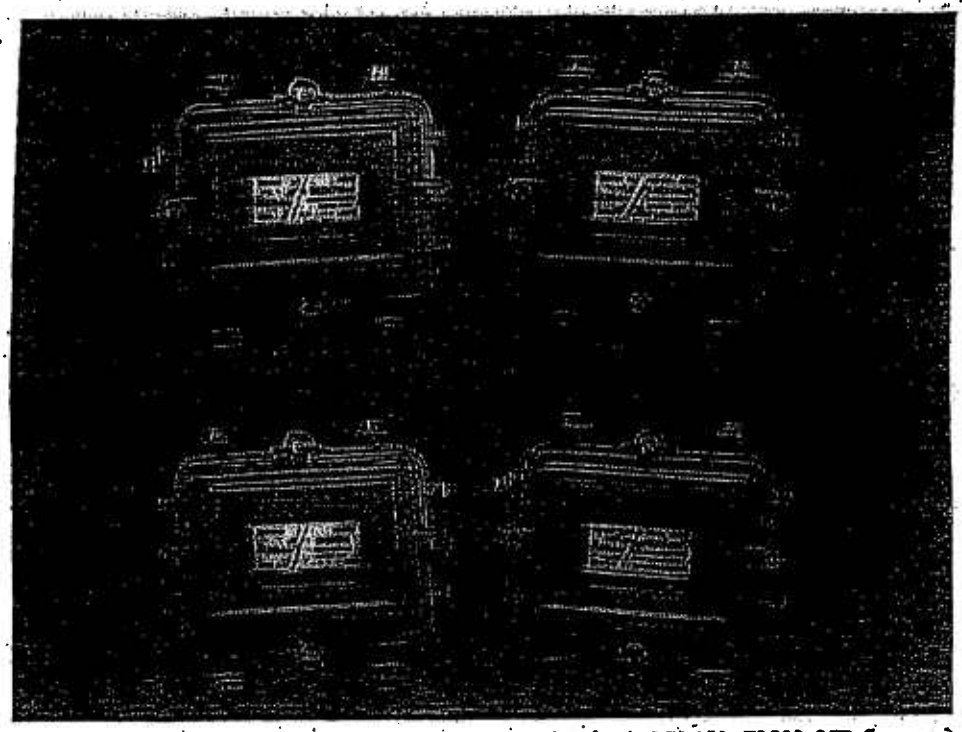
Recognized as the industry of 1 GHz passive develop- Regal now offers a full line Hz line passives to comple- ne RMT10 series of 1 GHz Regal line passives feature m components to sustain integrity and ensure high n characteristics. The and groove keyed housing with woven metallic gasket ts sig ingress and egress. rene ther gasket within gue and groove channel ihes a watertight assembly. inted power path makes diagnostics more efficient curate. 360 alloy aluminum g with double polyurethane eans years of corrosion operation.

ication

merging trends such as dig- lio, fiber optic deployment, deo on demand and digital ession require increased idth. meet the demands e technologies, RLS10 two ree-way splitters, RLDC10 onal couplers and RPI-100 inserters feature unequaled mance to 1 GHz and long durability.

rade Options

1 GHz line passives may be ded to include surge protec- 1 GHz faceplates, with or it surge protection, may be rted in any existing 600 MHz line passive.



RLDC10-8, RLS10-3 (top); RPI-100, RLS10-2SP (bottom)

Features:

- Glass epoxy printed circuit board with premium components for superior RF performance
- Interlocking tongue and groove faceplate/housing design provides exceptional EMI isolation
- 360 alloy aluminum housing with double polyurethane coating resists corrosion and increases product life
- Printed power routing path to aid in system diagnostics
- Interchangeable faceplates among all 600 MHz and 1 GHz passives

Performance and Reliability

- 1 GHz bandwidth with low loss characteristics
- 100dB minimum EMI isolation

Installation ease

- 1/2" long entry ports allow for greater heatshrink overlap
- Field replaceable fuse clips
- Cast-in strip gauge for proper center conductor trim length
- Captive hardware prevents accidental loss during installs
- Keyed housing for proper assembly
- Circuit board comes mounted on faceplate but may be changed to housing to eliminate outages during diagnostics

Mechanical Integrity

- Stainless steel hardware resists corrosion
- Non-rotational seizing mechanism with one seizure screw per port for aerial/underground installs

Taps

ıHz, 100dB EMI
T10 Series - Two-port

ıinal performance specifications

RMT102-	4.0	8.0	11.0	14.0	17.0	20.0	23.0	26.0	29.0	32.0	35.0
ıal tap value (dB)											
5 - 10 MHz	3.40	7.20	10.34	14.60	16.50	20.60	22.50	25.60	28.50	31.60	34.70
10 - 50 MHz	3.40	7.20	10.70	14.60	16.50	20.60	22.60	25.70	28.50	31.60	34.70
50 - 100 MHz	3.40	7.20	10.78	14.60	16.50	20.60	22.60	25.70	28.60	31.70	34.80
[illegible] 200 MHz	3.50	7.20	10.82	14.50	16.50	20.60	22.60	25.70	28.60	31.70	34.90
200 - 300 MHz	3.50	7.20	10.78	14.40	16.50	20.60	22.60	25.80	28.70	31.90	35.20
300 - 400 MHz	3.60	7.20	10.70	14.20	16.60	20.60	22.60	25.90	28.90	32.30	35.30
400 - 500 MHz	3.50	7.40	10.68	14.20	16.70	21.80	22.60	26.10	28.90	32.60	35.70
500 - 600 MHz	3.60	7.40	10.74	13.80	16.70	21.00	22.90	26.10	29.10	32.60	35.70
600 - 700 MHz	3.70	7.60	10.72	13.60	16.80	21.10	22.90	26.00	29.10	32.60	35.60
700 - 800 MHz	3.80	7.60	10.76	13.20	16.80	21.20	22.80	25.80	28.90	32.50	35.50
800 - 900 MHz	3.80	7.90	10.80	12.80	16.80	21.10	23.00	25.50	28.60	32.50	35.30
900 - 1000 MHz	4.20	8.60	11.24	13.00	17.30	21.40	23.80	25.50	28.60	32.40	35.40
ınal insertion loss (out) ([illegible]											
[illegible] - 10 MHz	T	3.38	1.57	1.01	0.72	0.43	0.44	0.51	0.43	0.46	0.42
10 - 50 MHz	T	3.36	1.42	0.90	0.68	0.36	0.36	0.42	0.36	0.40	0.40
50 - 100 MHz	T	3.35	1.46	0.90	0.67	0.36	0.36	0.47	0.38	0.42	0.42
100 - 200 MHz	T	3.46	1.50	0.92	0.68	0.40	0.40	0.50	0.40	0.44	0.44
200 - 300 MHz	T	3.52	1.57	0.97	0.71	0.44	0.42	0.55	0.45	0.48	0.48
300 - 400 MHz	T	3.59	1.62	1.10	0.71	0.42	0.43	0.53	0.47	0.49	0.49
400 - 500 MHz	T	3.78	1.78	1.29	0.96	0.63	0.70	0.79	0.68	0.74	0.77
500 - 600 MHz	T	4.00	1.95	1.31	0.90	0.81	0.68	0.85	0.71	0.68	0.67
600 - 700 MHz	T	4.30	2.28	1.52	1.25	1.11	1.57	1.05	0.72	0.80	0.82
700 - 800 MHz	T	4.33	2.46	2.00	1.33	1.38	1.30	1.25	1.18	1.25	1.18
800 - 900 MHz	T	4.35	2.60	2.15	1.35	1.35	1.15	1.18	1.05	1.10	1.13
900 - 1000 MHz	T	4.52	3.00	2.51	1.51	1.41	1.11	1.22	1.08	1.16	1.06

Taps

GHz, 100dB EMI
T10 Series - Four-port

ninal performance specifications

RMT104-	8.0	11.0	14.0	17.0	20.0	23.0	26.0	29.0	32.0	35.0
nal tap value (dB)										
5 - 10 MHz	7.00	10.40	13.40	17.60	20.20	23.10	25.50	28.50	31.40	34.50
10 - 50 MHz	6.90	10.20	14.00	17.70	20.20	23.10	25.60	28.60	31.40	34.50
50 - 100 MHz	6.90	10.20	14.00	17.70	20.20	23.10	25.60	28.75	31.56	34.68
[illegible] 200 MHz	6.90	10.20	14.00	17.70	20.30	23.20	25.70	29.06	31.68	34.86
200 - 300 MHz	6.90	10.20	14.10	17.40	20.40	23.30	25.90	29.13	31.75	34.88
300 - 400 MHz	6.90	10.20	14.10	17.10	20.40	23.20	26.10	29.07	31.80	35.21
400 - 500 MHz	7.10	10.20	14.30	16.90	20.10	23.00	26.00	28.87	31.44	35.05
500 - 600 MHz	7.10	10.20	14.40	16.70	19.94	22.80	25.80	28.79	31.25	34.78
600 - 700 MHz	7.10	10.30	14.40	16.40	19.95	22.60	25.70	28.78	30.94	34.20
700 - 800 MHz	7.30	10.50	14.30	16.10	20.30	22.70	25.70	28.80	30.65	34.12
800 - 900 MHz	7.30	10.80	14.20	15.80	20.60	23.20	25.90	28.50	30.53	34.38
900 - 1000 MHz	7.40	11.70	14.20	15.50	21.70	23.80	26.60	28.30	31.30	35.70
nal insertion loss (max) [illegible]										
5 - 10 MHz	T	3.26	1.55	0.93	0.75	0.55	0.52	0.52	0.55	0.59
10 - 50 MHz	T	3.22	1.43	0.87	0.69	0.50	0.47	0.43	0.45	0.51
50 - 100 MHz	T	3.29	1.45	0.91	0.71	0.51	0.48	0.46	0.44	0.41
100 - 200 MHz	T	3.34	1.50	0.94	0.70	0.52	0.48	0.46	0.45	0.43
200 - 300 MHz	T	3.45	1.61	1.03	0.72	0.56	0.49	0.49	0.47	0.44
300 - 400 MHz	T	3.61	1.71	1.08	0.70	0.58	0.48	0.47	0.49	0.47
400 - 500 MHz	T	3.70	1.81	1.18	0.83	0.67	0.56	0.50	0.51	0.52
500 - 600 MHz	T	4.14	2.01	1.26	0.87	0.78	0.63	0.53	0.56	0.53
600 - 700 MHz	T	4.08	2.32	1.47	1.03	0.92	0.75	0.68	0.65	0.72
700 - 800 MHz	T	4.36	2.46	2.00	1.26	1.23	1.15	1.05	1.01	1.04
800 - 900 MHz	T	4.40	2.84	2.35	1.33	1.17	1.05	0.96	0.91	0.91
900 - 1000 MHz	T	4.27	3.33	2.58	1.48	1.09	0.96	0.92	0.94	0.90

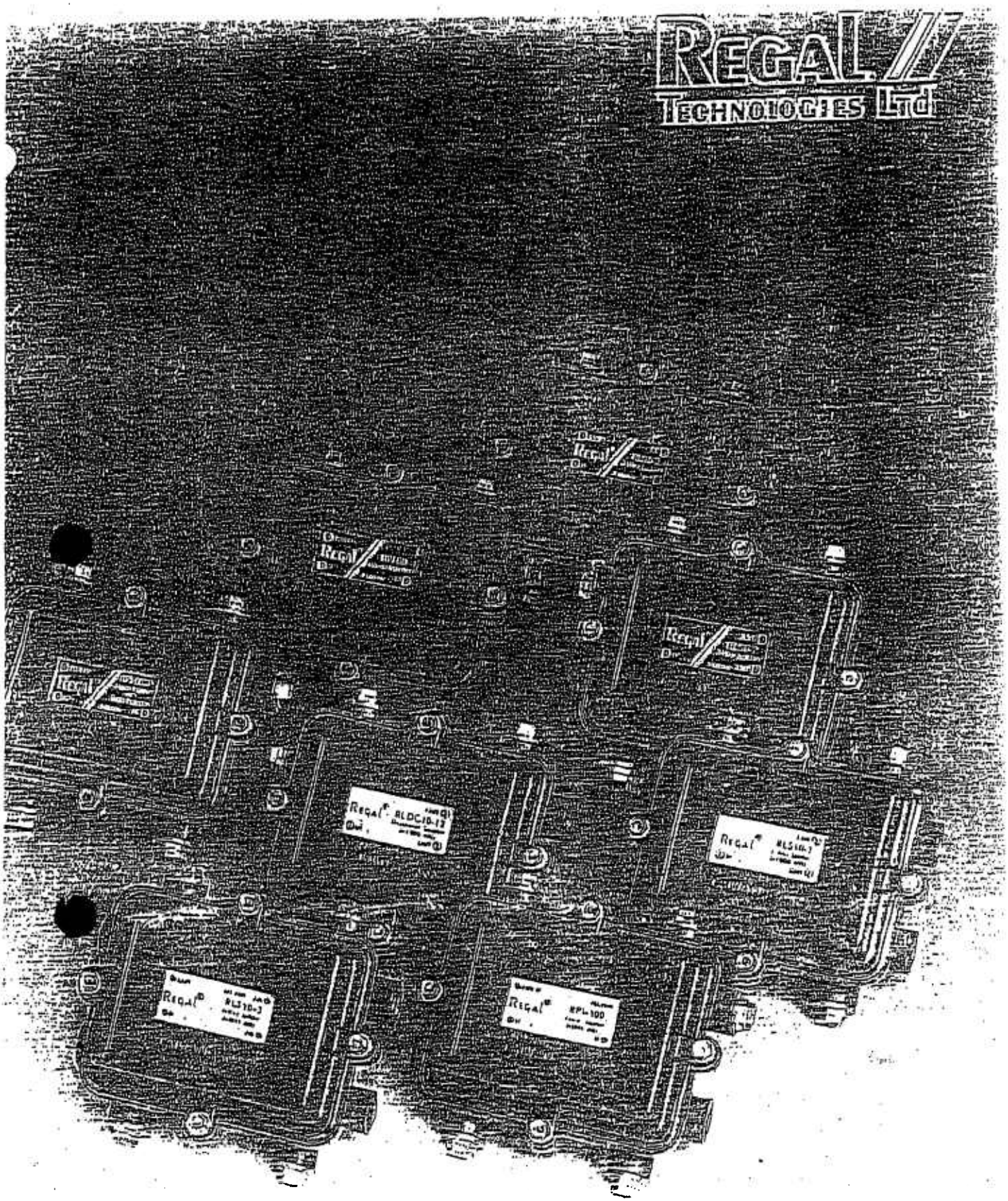
Taps

ɜHz, 100dB EMI
ʿT10 Series - Eight-port

ninal performance specifications

RMT108-	11.0	14.0	17.0	20.0	23.0	26.0	29.0	32.0	35.0
inal tap value (dB)									
5 - 10 MHz	10.35	14.40	17.00	20.10	23.10	25.20	28.10	31.20	34.80
10 - 50 MHz	10.20	13.60	17.10	20.10	23.30	25.60	28.90	31.70	35.20
50 - 100 MHz	10.15	13.70	17.50	20.20	23.40	25.70	28.90	31.80	35.20
100 - 200 MHz	10.25	13.60	17.70	20.30	23.50	26.00	29.20	31.80	35.30
200 - 300 MHz	10.30	13.60	17.80	20.30	23.50	25.90	29.30	32.00	35.50
300 - 400 MHz	10.40	13.70	17.50	20.30	23.60	25.70	29.60	32.00	35.70
400 - 500 MHz	10.40	13.70	17.60	20.30	23.70	25.70	29.80	32.10	35.90
500 - 600 MHz	10.55	14.00	17.70	20.30	23.70	25.80	29.70	32.00	36.00
600 - 700 MHz	10.60	13.80	17.30	20.00	23.20	25.60	29.00	31.80	36.00
700 - 800 MHz	11.00	13.80	17.20	20.40	23.20	25.60	28.60	31.90	35.80
800 - 900 MHz	11.30	14.30	17.50	21.00	23.20	25.60	28.30	31.80	35.90
900 - 1000 MHz	11.60	14.90	18.20	21.30	23.30	25.10	28.40	31.70	35.90
ninal insertion loss									
5 - 10 MHz	T	3.22	1.54	1.05	0.81	0.77	0.51	0.52	0.52
10 - 50 MHz	T	3.34	1.43	0.94	0.70	0.69	0.41	0.46	0.49
50 - 100 MHz	T	3.46	1.44	0.93	0.72	0.64	0.43	0.46	0.44
100 - 200 MHz	T	3.50	1.48	0.96	0.72	0.66	0.45	0.46	0.46
200 - 300 MHz	T	3.60	1.57	1.03	0.71	0.68	0.47	0.49	0.47
300 - 400 MHz	T	3.71	1.66	1.03	0.74	0.73	0.54	0.51	0.50
400 - 500 MHz	T	3.73	1.96	1.16	0.86	0.87	0.77	0.64	0.61
500 - 600 MHz	T	3.87	1.98	1.48	1.23	1.21	0.97	0.94	0.76
600 - 700 MHz	T	4.19	1.93	1.35	1.01	0.95	0.76	0.68	0.91
700 - 800 MHz	T	4.34	1.30	1.70	1.14	1.04	0.93	0.78	0.85
800 - 900 MHz	T	4.20	2.43	1.85	1.20	1.06	0.93	0.82	0.85
900 - 1000 MHz	T	4.24	2.68	2.42	1.37	1.16	1.04	0.84	0.89

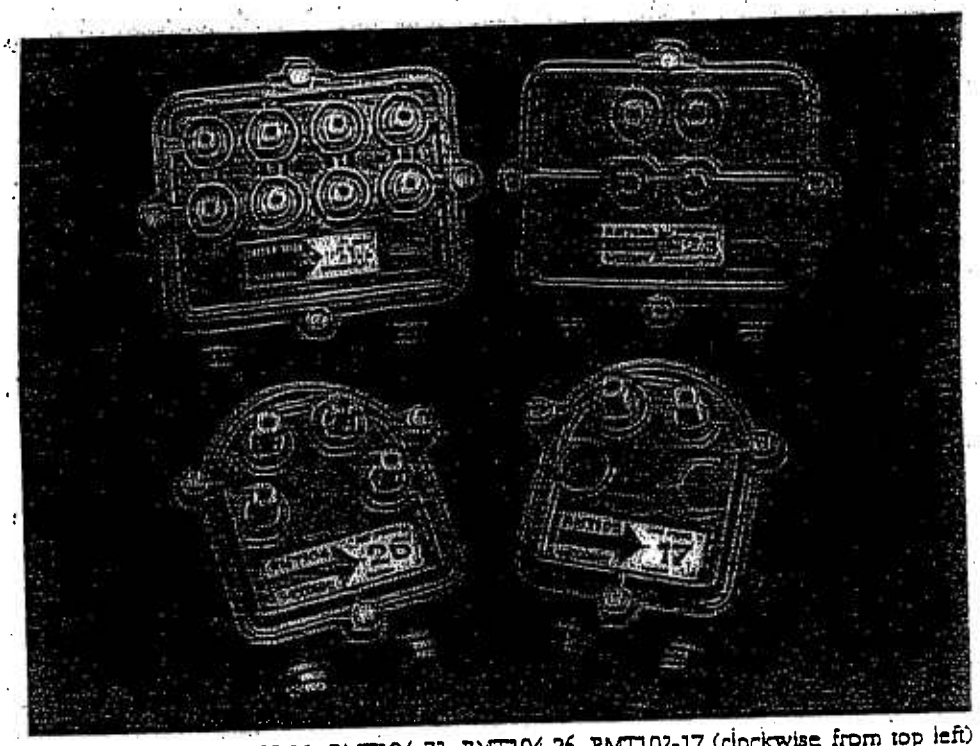
Specifications subject to change without notice


REGAL
TECHNOLOGIES Ltd

Taps

-Iz, 100dB EMI
-10 Series

gal has developed the first
p and line passive product
e industry. 1 GHz Regal
designed to optimize sig-
to the drop. Each unit
premium components to
gnal integrity and ensure
ation characteristics. The
nd groove housing design
ven metallic gasket pro-
nal i ess and egress. A
e we r gasket within
ue and groove housing
establishes a watertight
. To further inhibit mois-
ess, each "F" port is sealed
ont and faceplate interface
eoprene gasket. The back
ort is sealed with water-
oxy, eliminating water
n into the circuit board.



RMT108-11, RMT104-23, RMT104-26, RMT102-17 (clockwise from top left)

cation

ccelerating trends towards
capacity for near video on
d, HDTV digital audio and
ploy stimulate the
r 1 GHz capacity. Installing
taps today futureproofs a
for these emerging tech-
s. Advanced technology
premise have enabled Regal
gn a 1 GHz tap which is
angeable with all existing
Hz Regal taps. All Regal taps
lit as power passing. Non-
passing versions of the
) Series taps are available.
t your Regal representative
tails and specifications.

rade Options

600 MHz taps may be up-
d to 1 GHz with a faceplate
geout. 1 GHz taps are avail-
n wide and narrow bodies for
r system compatibility.

Features:

- Glass epoxy printed circuit board with premium components for superior RF performance
- Interlocking tongue and groove faceplate/housing design provides exceptional EMI isolation
- 360 alloy aluminum housing with double polyurethane coating resists corrosion and increases product life
- Triple sealed nickel plated brass "F" ports with drip wells inhibit water migration and resist corrosion
- Interchangeable faceplates with all existing 600 MHz Regal taps

Performance and Reliability

- 1 GHz bandwidth with low loss characteristics
- 100dB minimum EMI isolation

Installation ease

- 1/2" long numbered "F" ports for proper connector fit also allow use of sealing boots
- Small unit size (two and four-port) fits easily into pedestals
- Cast-in strip gauge for proper center conductor trim length
- Captive hardware prevents accidental loss during installs
- Color coded tap values for easy identification
- Conical center conductor guide for accurate feeder line installs

Mechanical Integrity

- Stainless steel hardware resists corrosion
- Non-rotational seizing mechanism with four seizure screws for aerial/underground installs

ine Passives

GHz, 100dB EMI
S10-2, RLS10-3 Line Splitters

REGAL
TECHNOLOGIES Ltd

rst case performance specifications

.S10-2 - Two-way splitter

quency (MHz)	5 - 10	10 - 50	50 - 300	300 - 400	400 - 500	500 - 600	600 - 900	900 - 1000
ertion loss (dB maximum)	4.3	4.2	4.6	4.6	5.0	5.2	5.4	5.7
urn loss (dB minimum)	16	18	19	20	20	18	17	16
lation (dB minimum)	23	28	25	25	23	23	20	18
I shie (dB minimum)	100	100	100	100	100	100	100	100
m modulation 10 Amp (dB min.)	60	60	60	60	60	60	60	60
wer rating	12 Amps AC/DC, 60 Volts, 60 Hz							

.S10-3 - Three-way splitter

quency (MHz)	5 - 10	10 - 50	50 - 300	300 - 400	400 - 500	500 - 600	600 - 900	900 - 1000
ertion loss (dB max.) ports 2, 3	4.4	4.3	4.8	4.8	5.2	5.4	5.7	6.0
port 4	8.0	8.0	8.2	8.4	8.5	8.7	9.0	9.2
urn loss (dB minimum)	16	18	19	20	19	18	17	16
lation (dB minimum)	23	28	23	21	20	20	19	18
I shielding (dB minimum)	100	100	100	100	100	100	100	100
m mo ion 10 Amp (dB min.)	60	60	60	60	60	60	60	60
wer rating	12 Amps AC/DC, 60 Volts, 60 Hz							

.S10-2SP - Two-way splitter with surge protection
.S10-3SP - Three-way splitter with surge protection

Trigger voltage	104 Vpk minimum 118 Vpk maximum
Trigger response	<200 ns (bi-directional voltage sensing)
Current clamping (capacity)	40 Amps (steady state) 400 Amps (8.3 milliseconds)

Recommended torque

Housing closure screws	20-30 in. lb.
Center conductor seizure	15-20 in. lb.
Port plugs	10-15 ft. lb.
Connector pull-out	100 lb. minimum

Specifications subject to change without notice

Line Passives

GHz, 100dB EMI
S10-2, RLS10-3 Line Splitters

minal performance specifications

1 0-2 - Two-way splitter
1 0-2SP - with surge protection

requency (MHz)	5 - 10	10 - 50	50 - 300	300 - 400	400 - 500	500 - 600	600 - 900	900 - 1000
F insertion loss (dB imum)	3.72	3.66	3.96	3.88	3.86	3.82	3.90	4.20

1 0-3 - Three-way splitter
1 0-3SP - with surge protection

requency (MHz)	5 - 10	10 - 50	50 - 300	300 - 400	400 - 500	500 - 600	600 - 900	900 - 1000
F insertion loss (dB maximum)	3.78	3.70	3.96	3.96	3.98	4.00	3.90	4.10
	7.33	7.08	7.40	7.46	7.48	7.44	7.78	8.48

ne Passives

ɜHz, 100dB EMI
DC10-* Directional Couplers

REGAL TECHNOLOGIES Ltd

st case performance specifications

DC10-* - Directional couplers

uency (MHz)	5 - 10	10 - 50	50 - 300	300 - 400	400 - 500	500 - 600	600 - 900	900 - 1000
tion loss (dB maximum)								
RLDC10-8	2.4	2.4	2.7	2.8	2.9	3.2	3.7	4.1
RLDC10-12	1.7	1.6	2.0	2.1	2.4	2.5	2.9	3.5
RLDC10-16	2.2	1.6	2.0	2.1	2.4	2.5	2.9	3.5
m loss (dB minimum)								
RLDC10-8	15	15	16	18	20	18	17	16
RLDC10-12	15	15	16	18	20	18	17	16
RLDC10-16	15	15	17	18	20	18	17	16
tion (dB minimum)								
RLDC10-8	28	30	28	27	24	21	18	18
RLDC10-12	28	28	28	27	25	23	18	18
RLDC10-16	25	25	27	27	27	24	19	18
shielding (dB minimum)	100	100	100	100	100	100	100	100
n modulation 10 Amp (dB min.)	60	60	60	60	60	60	60	60
ver rat	12 Amps AC/DC, 60 Volts, 60 Hz							

LDC10-*SP - Directional couplers with surge protection

Trigger voltage	104 Vpk minimum 118 Vpk maximum
Trigger response	<200 ns bi-directional voltage sensing
Current clamping (capacity)	40 Amps (steady state) 400 Amps (8.3 milliseconds)

* indicates value of directional coupler; available in 8, 12 or 16dB versions

Recommended torque

Housing closure screws	20-30 in. lb.
Center conductor seizure	15-20 in. lb.
Port plugs	10-15 ft. lb.
Connector pull-out	100 lb. minimum

Specifications subject to change without notice

Line Passives

GHz, 100dB EMI
DC10-* Directional Couplers

minal performance specifications

DC10-* - Directional couplers
DC10-* SP - with surge protection

Frequency (MHz)	5 - 10	10 - 50	50 - 300	300 - 400	400 - 500	500 - 600	600 - 900	900 - 1000
Tap loss								
RLDC10-8	8.62	8.60	8.86	8.70	8.70	8.44	8.14	8.22
RLDC10-12	12.26	12.02	12.22	12.00	11.94	11.84	11.62	11.66
RLDC10-16	16.92	26.88	16.88	16.66	16.50	16.44	16.12	15.74
Loss tolerance	±1.0	±1.0	±1.0	±1.0	±1.0	±1.0	±1.2	±1.3
In-out loss								
RLDC10-8	1.94	1.80	2.12	2.02	2.00	1.96	2.60	3.40
RLDC10-12	1.32	1.30	1.44	1.34	1.36	1.32	1.42	1.80
RLDC10-16	1.10	1.10	1.34	1.18	1.14	1.14	1.46	1.78

* indicates value of directional coupler; available in 8, 12 or 16dB versions

.ine Passives
GHz, 100dB EMI
PI-100 Power Inserters

REGAL
TECHNOLOGIES Ltd

rst case performance specifications

PI-100 - Power inserter

equency (MHz)	5 - 50	50 - 300	300 - 400	400 - 500	500 - 600	600 -1000
ertion loss (dB maximum)	-1.0	1.0	1.0	1.2	1.2	1.5
urn loss (dB minimum)	16	20	20	19	18	16
lation [illegible] inimum)	60	60	60	60	57	53
I shielding (dB minimum)	100	100	100	100	100	100
rn modulation 10 Amp (dB min.)	60	60	60	60	60	60
wer rating	12 Amps AC/DC, 60 Volts, 60 Hz					

I-100SP - Power inserter with surge protection

Trigger voltage	104 Vpk minimum 118 Vpk maximum
Trigger response	<200 ns (bi-directional voltage sensing)
Current clamping (capacity)	40 Amps (steady state 400 Amps (8.3 milliseconds)

Recommended torque

Housing closure screws	20-30 in. lb.
Center conductor seizure	15-20 in. lb.
Port plugs	10-15 ft. lb.
Connector pull-out	100 lb. minimum

Specifications subject to change without notice

Line Passives

Hz, 100dB EMI
100 Power Inserters

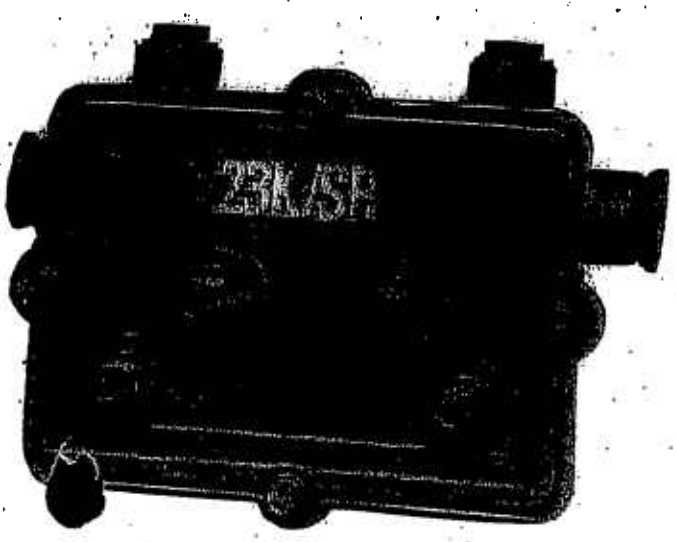
inal performance specifications

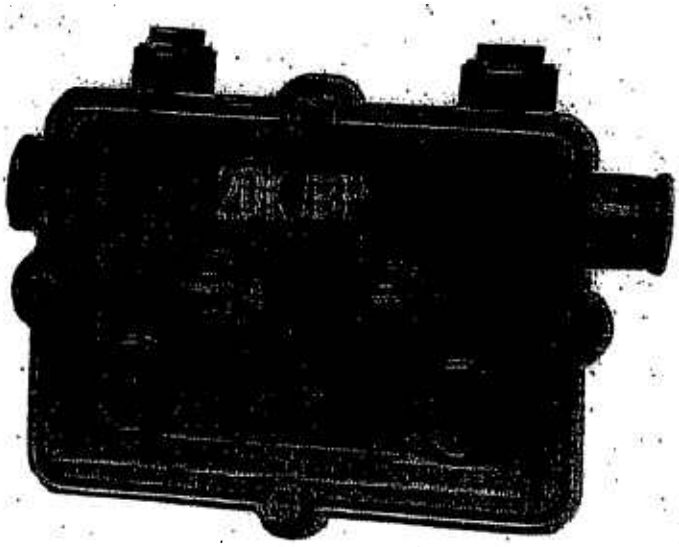
00 - Power inserter -
00SP - with surge protection

ency (MHz)	5 - 50	50 - 300	300 - 400	400 - 500	500 - 600	600 -1000
on loss						
RP[illegible]0	0.50	0.84	0.82	0.88	0.82	1.00
RP[illegible]SP	0.50	0.84	0.82	0.88	0.82	1.00

FFT*-*K/* Series

STARLINE®
Full Feature Taps





FEATURES

- 5 - 1000 MHz BANDPASS
- MINIMAL INSERTION LOSS
- BACKWARD COMPATIBLE
- SURGE RESILIENT
- SUPERIOR HUM MODULATION PERFORMANCE
- 12 AMPERE POWER PASSING
- RF/AC BYPASS CAPABILITY
- UPGRADABLE TO POWER EXTRACTING

PRODUCTS

• FFT2-*K/SR	12 Values	4-35
• FFT2-*K/BP	12 Values	4-35
• FFT4-*K/SR	11 Values	7-35
• FFT4-*K/BP	11 Values	7-35
• FFT8-*K/SR	9 Values	10-35
• FFT8-*K/BP	9 Values	10-35

INTRODUCTION

The STARLINE Full Feature Taps Series (Model FFT*-*K/*) of 1 GHz taps provides the latest technology while maintaining backward compatibility and allowing future upgradability.

BACKWARD COMPATIBILITY

All FFT*-*K/SR Series taps are backward compatible with NextLevel FFT-"F", "G", "H", "J", and standard "K" Series tap housings.

SURGE RESILIENT

FFT*-*K/SR Series taps offer the same features and performance as their predecessor the FFT*-*K Series tap and are a drop-in replacement for these taps. In addition, the SR taps offer the additional feature of surge resiliency at each F-port. This feature greatly reduces failures due to surges down the drop cable. Hum problems associated with system grounding are also eliminated by this feature.

12 AMPERE POWER PASSING

The FFT*-*K/* Series of taps is capable of passing a maximum of 12 Amperes from input to output on the feeder. These taps are designed for optimal hum modulation performance at high currents and can be used in 60 or 90 Volt systems.

RF/AC BYPASS CAPABILITY

The FFT*-*K/BP RF/AC bypass tap offers all of the features of the FFT*-*K/SR tap, including surge resiliency. In addition, the FFT*-*K/BP offers the added feature of feeder-line continuity when the faceplate is removed. This is achieved through the use of a make-before-break switch that is contained in the tap housing. This feature allows the tap to be upgraded or replaced without interrupting service on the feeder.

For customers who own existing FFT taps without this feature, an external RF/AC bypass jumper (Model BTT-RF/AC) is available to perform this function. The jumper is installed only when the faceplate is being changed. The jumper is then removed and can be used again.

UPGRADABLE TO POWER EXTRACTING

All FFT*-*K/* taps are upgradable to power extracting, as required. The K-Series power extracting tap upgrades can be installed in all FFT*-*K/* Series taps and maintain the same backward compatibility as these taps. Power extracting taps are used for network powering of telephony equipment.

NEXTLEVEL™

FFT*-*K/* SERIES

Tap to Output Isolation Normal

Model No.	5-10 MHz	10-50 MHz	50-450 MHz	450-600 MHz	600-750 MHz	750-1000 MHz
FFT2-2K						
FFT2-4K/*	–	–	–	–	–	–
FFT2-7K/*	15	20	25	25	20	30
FFT2-10K/*	18	25	25	25	22	30
FFT2-12K/*	20	25	25	28	28	35
FFT2-14K/*	24	25	30	30	27	35
FFT2-17K/*	27	35	35	35	30	30
FFT2-20K/*	30	35	40	40	40	35
FFT2-23K/*	30	37	40	40	40	35
FFT2-26K/*	36	45	45	45	40	35
FFT2-29K/*	39	45	45	45	40	35
FFT2-32K/*	42	45	45	45	40	36
FFT2-35K/*	45	45	45	45	45	38

Model No.	5-10 MHz	10-50 MHz	50-450 MHz	450-600 MHz	600-750 MHz	750-1000 MHz
FFT4-4K						
FFT4-7TK/*	–	–	–	–	–	–
FFT4-10K/*	20	20	25	25	25	25
FFT4-14K/*	25	20	30	25	25	25
FFT4-15.5K/*	25	25	30	25	25	25
FFT4-17K/*	27	27	30	30	30	25
FFT4-20K/*	30	30	35	35	35	30
FFT4-23K/*	33	35	40	40	40	35
FFT4-26K/*	36	40	40	40	40	35
FFT4-29K/*	39	40	45	45	45	40
FFT4-32K/*	42	45	45	45	45	40
FFT4-35K/*	45	45	45	45	45	40

Model No.	5-10 MHz	10-50 MHz	50-450 MHz	450-600 MHz	600-750 MHz	750-1000 MHz
FFT-8K						
FFT8-10TK/*	–	–	–	–	–	–
FFT8-14K/*	20	25	25	25	25	25
FFT8-17K/*	23	30	30	30	30	25
FFT8-20K/*	30	30	35	35	35	30
FFT8-23K/*	30	35	35	35	35	30
FFT8-26K/*	38	40	40	40	40	35
FFT8-29K/*	40	45	45	40	40	35
FFT8-32K/*	40	45	45	40	40	35
FFT8-35K/*	40	45	45	40	40	35

Specifications subject to change without notice.

NEXT LEVEL™

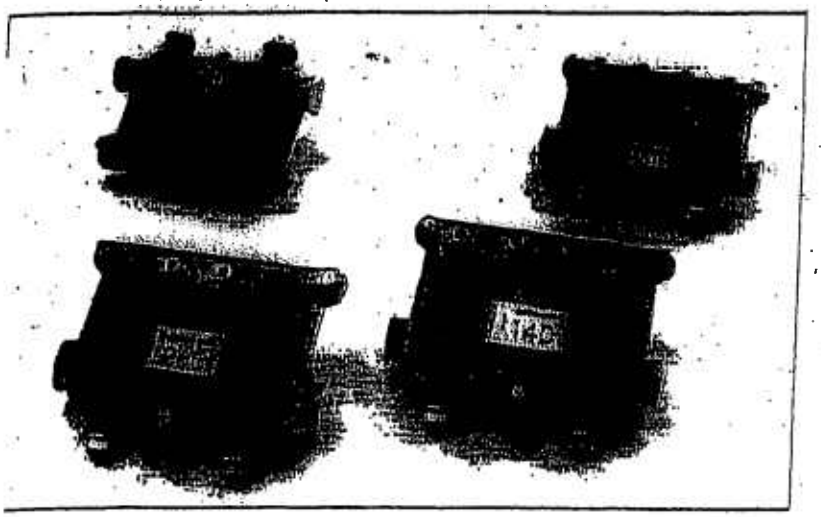
FFT*-*K/* SERIES

Tap Design Specifications 5-1000 MHz
Insertion Loss (dB)
MAXIMUM SPECIFICATION

Insertion Loss (dB)	Nom. Tap Value	5 MHz	10 MHz	50 MHz	450 MHz	550 MHz	750 MHz	860 MHz	1000 MHz
FFT2-4TK/*	4.3	–	–	–	–	–	–	–	–
FFT2-7K/*	7.5	3.6	3.5	3.5	4.1	4.4	4.5	4.7	5.0
FFT2-10K/*	10.5	2.0	1.5	1.5	2.0	2.0	2.4	2.7	3.5
FFT2-12K/*	12.0	1.6	1.3	1.2	1.7	1.8	2.1	2.6	2.9
FFT2-14K/*	14.0	1.4	1.1	1.1	1.5	1.5	1.8	2.1	2.9
FFT2-17K/*	17.0	1.2	1.1	1.0	1.3	1.4	1.7	2.0	2.2
FFT2-20K/*	20.0	0.9	0.7	0.7	1.1	1.3	1.5	1.8	2.1
FFT2-23K/*	23.0	0.6	0.5	0.5	1.0	1.1	1.4	1.6	2.0
FFT2-26K/*	26.0	0.6	0.5	0.5	1.0	1.1	1.4	1.6	2.0
FFT2-29K/*	29.0	0.6	0.5	0.5	1.0	1.1	1.4	1.6	2.0
FFT2-32K/*	32.0	0.6	0.5	0.5	1.0	1.1	1.4	1.6	2.0
FFT[illegible]K/*	35.0	0.6	0.5	0.5	1.0	1.1	1.4	1.6	2.0
FFT[illegible]K/*	6.8	–	–	–	–	–	–	–	–
FFT4-10K/*	10.3	3.6	3.5	3.5	4.2	4.3	4.5	4.7	4.5
FFT4-14K/*	14.4	1.9	1.5	2.1	2.1	2.4	2.6	2.8	3.5
FFT4-15.5K/*	15.5	1.6	1.3	1.2	1.7	1.7	2.1	2.5	3.1
FFT4-17K/*	17.0	1.4	1.1	1.2	1.6	1.5	1.9	2.3	2.8
FFT4-20K/*	20.0	1.1	0.9	1.0	1.5	1.4	1.8	2	2.4
FFT4-23K/*	23.0	0.8	0.7	0.7	1.2	1.2	1.4	1.8	2.2
FFT4-26K/*	26.0	0.6	0.5	0.5	1.0	1.1	1.4	1.6	2.1
FFT4-29K/*	29.0	0.6	0.5	0.5	1.0	1.1	1.4	1.6	2.1
FFT4-32K/*	32.0	0.6	0.5	0.5	1.0	1.1	1.4	1.6	2.1
FFT4-35K/*	35.0	0.6	0.5	0.5	1.0	1.1	1.4	1.6	2.1
FFT8-10TK/*	10.4	–	–	–	–	–	–	–	–
FFT8-14K/*	14.2	4.2	3.6	3.5	4.1	4.2	4.6	4.8	5.3
FFT8-17K/*	17.8	2.1	2.0	1.8	2.3	2.5	2.9	3.0	3.8
FFT8-20K/*	20.0	1.3	1.2	1.0	1.5	1.7	2.1	2.3	2.9
FFT8-23K/*	22.5	1.3	1.1	1.0	1.4	1.4	1.7	1.9	2.4
FFT8-26K/*	26.1	0.9	0.7	0.6	0.9	1.1	1.4	1.7	2.2
FFT8-29K/*	29.2	0.6	0.5	0.5	0.9	1.1	1.4	1.6	2.2
FFT[illegible]2K/*	32.2	0.6	0.5	0.5	0.9	1.1	1.4	1.6	2.2
FFT[illegible]K/*	35.0	0.6	0.5	0.5	0.9	1.1	1.4	1.6	2.2

Specifications subject to change without notice.

Conventional Multi-Taps



9000-C Series

The 9000-C series 1 GHz conventional multi-tap taps off part of its input RF signal but allows the rest of that signal to pass through. It divides the tapped-off signal into multiple outputs.

- Optional continuous AC and RF power passing circuits eliminate downstream service interruptions when face plates are removed.
- 90° rotating seizure mechanism makes installation easy.
- F-port capacitors eliminate hum modulation that can originate at the subscriber home.
- Environmental coating provides excellent corrosion resistance.
- Dual gaskets keep RF signals pure and protect the circuitry from extreme environments.

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multi-tap is a combination of a irectional coupler and splitters rranged to produce a specific alue [illegible]nal loss, from the nulti-t[illegible] input to its tap ports.

'hilips' 9000-C series 1 GHz nulti-taps are available in two - way, four-way, and eight-way nodels, offering two, four, and ight tap ports respectively. We've reated a compact tap which fits asily into a 6-inch pedestal.

Our 9000-C series multi-taps all hare these standard features:

- 1 GHz bandwidth capacity,
- brass SCTE F-ports with drip lips and rubber boots,
- RFI and weather gaskets,
- network power capacity of 90 VAC, 0 to 60 Hz,
- strip gauges and heat-shrink ridges for easy installation,
- numbered ports for easier subscriber audits,
- 2.5 KV surge resistance meets ANSI/IEEE C62.41-1991 Class B, 2500 V surge and 12-amp current handling capability,
- interchangeable face plates, and
- face plates fit in 8000 series housings for easy upgrade to 1 GHz.

The aluminum die-cast housing is pressure tested to 10 psi and is coated with a protective finish, which provides excellent corrosion resistance. Rubber boots inside the brass SCTE F-ports help keep the 9000-C series multi-taps water-resistant. A single alloy at contact points eliminates the galvanic couple and corrosion that accompanies aluminum-to-brass connections. So, by connecting the brass SCTE F-port to a brass F-connector, you can eliminate a weak link in your network.

All F-ports have a capacitor that blocks hum modulation that can originate in the subscriber home. This capacitor also provides additional protection from transients traveling on subscriber drop cables.

Order the 9000T-PWR-FI power bypass assembly option to prevent interruptions in power and RF service when face plates are removed. Also, order the 9000-USB-PBT for easy aerial to underground interconnections.

onventional Multi-Taps

rst Case Specifications* — 9800-C Eight-Way Series

	9812	9815	9818	9821	9824	9827	9830	9833	9836	Units
alue	12.0	15.5	18.0	21.0	24.0	27.0	30.0	33.0	36.0	dB
idth					10-1000					MHz
Code	Gold	White	Blue	Green	Purple	Yellow	Red	Silver	Brown	
nce										
0-19 MHz	1.7	2.0	1.5	2.5	2.5	2.5	2.5	2.5	2.5	± dB
0-899 MHz	1.8	2.0	1.5	1.5	1.5	1.5	1.5	1.8	1.8	± dB
00-1000 MHz	2.3	2.5	1.9	2.4	2.1	2.1	1.9	2.1	2.3	± dB
n Loss (max.)										
0 MHz	—	3.8	1.9	1.2	1.0	0.8	0.5	0.5	0.5	dB
0 MHz	—	3.5	1.5	1.0	0.9	0.7	0.4	0.4	0.4	dB
4 MHz	—	3.5	1.6	1.0	0.8	0.7	0.4	0.4	0.4	dB
12 MHz	—	4.0	1.9	1.2	0.9	0.8	0.6	0.6	0.6	dB
50 MHz	—	4.0	1.9	1.2	0.9	0.8	0.6	0.6	0.6	dB
36 MHz	—	4.1	2.0	1.3	1.0	0.8	0.6	0.6	0.6	dB
22 MHz	—	4.1	2.0	1.3	1.0	0.8	0.6	0.6	0.6	dB
30 MHz	—	4.2	2.1	1.4	1.0	0.8	0.6	0.6	0.6	dB
00 MHz	—	4.3	2.2	1.4	1.0	0.8	0.7	0.7	0.7	dB
50 MH	—	4.4	2.2	1.4	1.0	0.8	0.7	0.7	0.7	dB
50 MH	—	4.5	2.3	1.3	1.1	0.9	0.8	0.8	0.8	dB
00 MHz	—	4.7	2.4	1.4	1.1	1.0	0.9	0.9	0.9	dB
50 MHz	—	5.1	2.8	1.6	1.3	1.2	1.2	1.2	1.2	dB
62 MHz	—	5.3	3.2	1.8	1.6	1.3	1.4	1.4	1.4	dB
000 MHz	—	5.4	3.9	2.3	1.8	1.4	1.4	1.4	1.4	dB
s (max.)										
0-1000 MHz	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	± dB
Out Isolation (min.)										
0-29 MHz	—	21	24	27	30	34	34	36	38	dB
0-749 MHz	—	27	30	32	34	38	40	42	44	dB
50-899 MHz	—	25	28	30	33	36	38	40	41	dB
00-1000 MHz	—	25	28	28	33	34	36	38	39	dB
Tap Isolation (min.)										
0-29 MHz	20	20	20	20	20	20	20	20	20	dB
0-449 MHz	25	25	25	25	25	25	25	25	25	dB
50-749 MHz	23	23	23	23	23	23	23	23	23	dB
50-1000 MHz	20	20	20	20	20	20	20	20	20	dB
Loss In (min.)										
0-29 M	17	17	17	17	17	17	17	17	17	dB
0-59	18	18	18	18	18	18	18	18	18	dB
00-899 MHz	17	17	17	17	17	17	17	17	17	dB
00-1000 MHz	16	16	16	16	16	16	16	16	16	dB
Loss Out (min.)										
0-29 MHz	—	17	17	17	17	17	17	17	17	dB
30-599 MHz	—	18	18	18	18	18	18	18	18	dB
500-899 MHz	—	17	17	17	17	17	17	17	17	dB
900-1000 MHz	—	16	16	16	16	16	16	16	16	dB
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
500-1000 MHz	16	16	16	16	16	16	16	16	16	dB
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
olation					Exceeds FCC requirements					
nt (max.)	0	12	12	12	12	12	12	12	12	amps
e Passing										
ity (min.)										
0 to 60 MHz	90	90	90	90	90	90	90	90	90	VAC
Rating					ANSI/IEEE C62.41-1991, Class B, 2500 Volts					

ecifications are subject to change without notice.

PHILIPS

Nominal Performance*

9800-C Eight-Way Series

	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					MHz
Color Code	Gold	White	Blue	Green	Purple	Yellow	Red	Silver	Brown	
Insertion Loss (Input/Output)										
10 MHz	—	3.5	1.4	1.1	0.8	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	0.6	0.6	0.5	dB
550 MHz	—	4.2	2.0	1.1	0.9	0.7	0.6	0.6	0.6	dB
6[illegible] MHz	—	4.5	2.2	1.2	0.9	0.8	0.7	0.7	0.6	dB
7[illegible] MHz	—	4.9	2.6	1.3	1.0	0.9	0.8	0.8	0.8	dB
862 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	17.8	19.4	22.3	25.5	28.8	32.2	34.5	dB
20-899 MHz	11.3	14.7	18.4	20.6	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	36.3	dB

All specifications are subject to change without notice.

nventional Multi-Taps

:t Case Specifications* — 9400-C Four-Way Series

	9408	9411	9414	9417	9420	9423	9426	9429	9432	9435	Units
	8.0	11.5	14.5	17.0	20.0	23.0	26.0	29.0	32.0	35.0	dB
					10-1000						MHz
	Orange	Gold	White	Blue	Green	Purple	Yellow	Red	Silver	Brown	
e											
9 MHz	1.5	1.5	1.5	2.1	1.9	2.2	2.5	2.5	2.3	1.9	± dB
99 MHz	1.5	2.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0	± dB
1000 MHz	1.5	2.5	2.3	2.2	2.0	1.9	1.7	1.6	1.8	2.0	± dB
oss (max.)											
IHz	—	3.6	1.8	1.2	1.0	0.8	0.5	0.4	0.4	0.4	dB
IHz	—	3.5	1.5	0.9	0.8	0.7	0.4	0.3	0.3	0.3	dB
IHz	—	3.5	1.5	0.9	0.8	0.7	0.4	0.3	0.3	0.3	dB
IHz	—	4.0	1.8	1.0	1.0	0.8	0.6	0.6	0.6	0.6	dB
MHz	—	4.1	1.8	1.0	1.0	0.8	0.6	0.6	0.6	0.6	dB
MHz	—	4.1	1.8	1.0	1.0	0.8	0.6	0.6	0.6	0.6	dB
MHz	—	4.1	1.8	1.0	1.0	0.8	0.6	0.6	0.6	0.6	dB
MHz	—	4.2	1.8	1.0	1.0	0.8	0.6	0.6	0.6	0.6	dB
MHz	—	4.3	1.8	1.0	1.0	0.8	0.6	0.6	0.6	0.6	dB
MHz	—	4.3	2.0	1.1	1.1	0.9	0.7	0.7	0.7	0.7	dB
MHz	—	4.3	2.0	1.1	1.1	0.9	0.7	0.7	0.7	0.7	dB
MHz	—	4.4	2.1	1.2	1.1	0.9	0.7	0.7	0.7	0.7	dB
MHz	—	4.7	2.4	1.4	1.1	1.0	0.8	0.8	0.8	0.8	dB
MHz	—	5.1	2.9	1.6	1.4	1.3	1.1	1.1	1.1	1.1	dB
MHz	—	5.2	3.3	1.8	1.6	1.5	1.2	1.2	1.2	1.2	dB
MHz	—	5.4	4.0	2.2	1.8	1.6	1.4	1.3	1.3	1.3	dB
0 MHz											
nax.)											
1000 MHz	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	± dB
rt Isolation (min.)											
29 MHz	—	20	21	22	27	30	34	34	36	38	dB
749 MHz	—	24	27	30	33	36	38	40	42	44	dB
-899 MHz	—	22	25	28	31	34	36	38	40	42	dB
-1000 MHz	—	22	25	28	31	34	36	38	40	42	dB
p Isolation (min.)											
29 MHz	20	20	20	20	20	20	20	20	20	20	dB
449 MHz	25	25	25	25	25	25	25	25	25	25	dB
)-749 MHz	23	23	23	23	23	23	23	23	23	23	dB
)-1000 MHz	20	20	20	20	20	20	20	20	20	20	dB
oss In (min.)											
29 MHz	17	17	17	17	17	17	17	17	17	17	dB
599 M	18	18	18	18	18	18	18	18	18	18	dB
)-899	17	17	17	17	17	17	17	17	17	17	dB
)-1000 MHz	16	16	16	16	16	16	16	16	16	16	dB
oss Out (min.)											
-29 MHz	—	17	17	17	17	17	17	17	17	17	dB
-599 MHz	—	18	18	18	18	18	18	18	18	18	dB
0-899 MHz	—	17	17	17	17	17	17	17	17	17	dB
0-1000 MHz	—	16	16	16	16	16	16	16	16	16	dB
oss Tap (min.)											
-29 MHz	16	16	16	16	16	16	16	16	16	16	dB
-599 MHz	18	18	18	18	18	18	18	18	18	18	dB
0-1000 MHz	16	16	16	16	16	16	16	16	16	16	dB
dulation @ 8 amps (max.)											
)-49 MHz	—	-64	-64	-64	-64	-64	-64	-64	-64	-64	dB
)-599 MHz	—	-70	-70	-70	-70	-70	-70	-70	-70	-70	dB
00-749 MHz	—	-64	-64	-64	-64	-64	-64	-64	-64	-64	dB
50-1000 MHz	—	-60	-60	-60	-60	-60	-60	-60	-60	-60	dB
					Exceeds FCC requirements						
ation	0	12	12	12	12	12	12	12	12	12	amps
(max.)											
Passing											
y (min.)											
60 Hz	90	90-	90	90	90	90	90	90	90	90	VAC
atino					ANSI/IEEE C62.41-1991. Class B. 2500 Volts						

cifications are subject to change without notice.

PHILIPS

Nominal Performance*

9400-C Four-Way Series

	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						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	0.6	0.5	dB
450 MHz	—	4.1	1.8	1.0	0.9	0.8	0.5	0.6	0.6	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
7[illegible]Hz	—	4.7	2.6	1.3	1.1	1.0	0.9	0.8	0.8	0.8	dB
8[illegible]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	6.9	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	12.8	15.0	18.2	20.7	23.2	26.0	29.1	32.0	35.2	dB

All specifications are subject to change without notice.

nventional Multi-Taps

ɜt Case Specifications*

9200-C Two-Way Series

	9204	9208	9211	9214	9217	9220	9223	9226	9229	9232	Units
ue	4.0	8.5	11.0	14.0	17.0	20.0	23.0	26.0	29.0	32.0	dB
dth					10-1000						MHz
ɔde	Black	Orange	Gold	White	Blue	Green	Purple	Yellow	Red	Silver	
ɔe											
)-19 MHz	1.5	1.5	1.5	1.5	2.5	2.5	2.5	2.5	2.5	2.5	± dB
)-899 MHz	1.5	2.0	1.5	1.5	1.5	1.8	1.5	1.5	2.0	1.8	± dB
)0-1000 MHz	2.0	2.0	1.5	2.0	1.6	1.7	1.7	2.0	2.0	2.0	± dB
) Loss (max.)											
) MHz	—	3.6	1.9	1.0	1.0	0.8	0.5	0.5	0.4	0.4	dB
) MHz	—	3.1	1.5	0.8	0.8	0.7	0.5	0.4	0.3	0.3	dB
. MHz	—	3.3	1.5	0.8	0.8	0.7	0.4	0.4	0.3	0.3	dB
2 MHz	—	3.3	1.8	1.0	0.9	0.8	0.5	0.5	0.5	0.5	dB
0 MHz	—	3.3	1.8	1.0	0.9	0.8	0.5	0.5	0.5	0.5	dB
6 MHz	—	3.4	1.9	1.0	0.9	0.8	0.5	0.5	0.5	0.5	dB
:2 MHz	—	3.5	1.9	1.0	1.0	0.8	0.5	0.5	0.5	0.5	dB
0 MHz	—	3.6	2.0	1.0	1.0	0.8	0.6	0.6	0.6	0.6	dB
)0 MHz	—	3.7	2.1	1.1	1.0	0.9	0.7	0.7	0.6	0.6	dB
50 MH	—	3.8	2.1	1.1	1.0	0.9	0.7	0.7	0.6	0.6	dB
5D MHz	—	3.9	2.1	1.2	1.1	0.9	0.7	0.7	0.7	0.7	dB
)0 MHz	—	4.1	2.4	1.4	1.2	1.0	0.8	0.8	0.8	0.8	dB
50 MHz	—	4.7	3.0	1.6	1.4	1.2	1.0	1.0	0.9	0.9	dB
52 MHz	—	5.0	3.5	1.8	1.6	1.4	1.2	1.2	1.1	1.1	dB
000 MHz	—	5.5	4.1	2.0	1.8	1.6	1.4	1.3	1.3	1.3	dB
s (max.)											
)-1000 MHz	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	± dB
Out Isolation (min.)											
)-29 MHz	—	20	20	20	24	29	30	34	34	36	dB
749 MHz	—	22	24	26	30	33	36	38	40	42	dB
0-899 MHz	—	20	22	25	28	31	34	36	38	40	dB
)0-1000 MHz	—	20	22	24	28	31	34	36	38	40	dB
Tap Isolation (min.)											
0-29 MHz	20	20	20	20	20	20	20	20	20	20	dB
0-449 MHz	25	25	25	25	25	25	25	25	25	25	dB
50-749 MHz	23	23	23	23	23	23	23	23	23	23	dB
50-1000 MHz	20	20	20	20	20	20	20	20	20	20	dB
Loss In (min.)											
0-29 M	17	17	17	17	17	17	17	17	17	17	dB
0-599	18	18	18	18	18	18	18	18	18	18	dB
00-899 MHz	17	17	17	17	17	17	17	17	17	17	dB
)00-1000 MHz	16	16	16	16	16	16	16	16	16	16	dB
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
300-899 MHz	—	17	17	17	17	17	17	17	17	17	dB
900-1000 MHz	—	16	16	16	16	16	16	16	16	16	dB
) 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
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
ɔolation					Exceeds FCC requirements						
nt (max.)	0	12	12	12	12	12	12	12	12	12	amps
ɔe Passing											
ly (min.)											
-60 MHz	90	90	90	90	90	90	90	90	90	90	VAC
Ratino					ANSI/IEEE C62.41-1991, Class B. 2500 Volts						

ɔecifications are subject to change without notice.

PHILIPS

Nominal Performance*

9200-C Two-Way Series

	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						MHz
Color Code	Black	Orange	Gold	White	Blue	Green	Purple	Yellow	Red	Silver	
Insertion Loss (In/Out)											
10 MHz	—	2.8	1.3	1.0	0.9	0.7	0.3	0.3	0.3	0.3	dB
30 MHz	—	2.8	1.3	0.8	0.7	0.6	0.3	0.3	0.3	0.3	dB
54 MHz	—	2.8	1.3	0.7	0.7	0.6	0.3	0.3	0.3	0.3	dB
112 MHz	—	3.2	1.7	0.9	0.8	0.7	0.5	0.5	0.4	0.4	dB
150 MHz	—	3.2	1.7	0.9	0.8	0.7	0.5	0.5	0.4	0.4	dB
186 MHz	—	3.2	1.7	0.9	0.8	0.7	0.5	0.5	0.4	0.4	dB
222 MHz	—	3.3	1.7	0.9	0.9	0.8	0.5	0.5	0.5	0.5	dB
330 MHz	—	3.4	1.8	0.9	0.9	0.8	0.5	0.5	0.5	0.5	dB
400 MHz	—	3.4	1.9	1.0	0.9	0.8	0.6	0.6	0.5	0.5	dB
450 MHz	—	3.4	1.9	1.0	0.9	0.8	0.6	0.6	0.5	0.5	dB
550 MHz	—	3.5	1.9	1.0	0.9	0.8	0.6	0.6	0.5	0.6	dB
[illegible] MHz	—	3.8	2.1	1.1	1.0	0.9	0.6	0.6	0.6	0.6	dB
[illegible] MHz	—	4.3	2.5	1.2	1.2	1.0	0.8	0.8	0.7	0.8	dB
862 MHz	—	4.5	2.8	1.4	1.3	1.1	0.9	0.9	0.9	1.0	dB
1000 MHz	—	4.8	3.5	1.6	1.3	1.1	1.0	1.0	1.0	1.1	dB
Tap Loss											
10-19 MHz	3.4	7.7	10.8	13.7	15.7	18.4	21.2	24.4	27.2	30.5	dB
20-899 MHz	3.7	8.0	11.1	14.9	17.4	20.0	22.6	25.5	28.1	31.2	dB
900-1000 MHz	5.2	9.6	11.0	15.2	17.0	20.0	23.2	26.5	29.1	32.8	dB

*All specifications are subject to change without notice.

onventional Multi-Taps

ecifications (continued)

9000-C Series

	Notes			Units
nical imensions (eight x width x depth)	a		3.8 x 4.9 x 2.4 (9.6 x 12.6 x 6.1)	in. (cm)
'eight			0.8 (0.37)	lbs. (kg)
onnector Type	b	Standard CATV KS entry connectors for cable up to 0.625" diameter		
n Length			1.44 (3.7)	in. (cm)

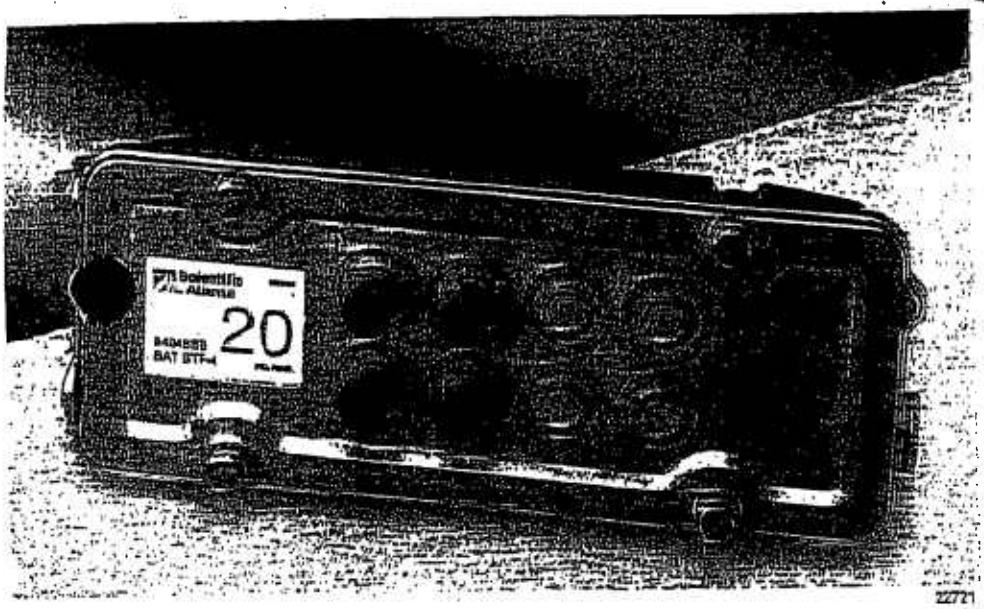
ifications are subject to change without notice.

. dimension includes plug; depth dimension includes 1/2" F-ports and strand clamp/bolt in closed position.
nnector (.067 inch diameter) is recommended for best RF performance.

Transmission Systems

Multimedia Stretch™ Taps

Scientific Atlanta



Scientific-Atlanta's Multimedia Stretch™ Tap is designed to support the delivery of advanced applications and services in a cost-effective platform. In addition to providing high quality RF performance specifications that are essential to the reliable transmission of data and digital video services, the Multimedia Stretch Tap includes the capability to house other performance-enhancing options. As an example, we have developed and field-tested a version of the plug-in directional coupler that cost-effectively balances reverse path signals resulting in a marked performance improvement in this challenging portion of your networks. Nearing completion is an addressable version of the Multimedia Stretch Tap faceplate that introduces significant operating cost savings and new revenue-generation opportunities.

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 fills this gap — without using costly or performance-reducing extension connectors — providing operators with the fastest way to restore service and complete upgrade efforts.

FEATURES

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

ultimedia Stretch Taps

Multimedia Stretch Tap also provides an important level of ork flexibility by enabling reversibility. As operators and the fiber optic portion of their broadband networks, result is often a reversal of the feeder signal flow. By oly changing the orientation of the plug-in directional pler module, technicians can avoid time-consuming and ensive resplicing of the cable.

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.

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.

ECIFICATIONS

ensions

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

chanical

360T ing with coating for environmental protection.
aled and swaged extended F-ports for maximum resistance moisture ingress.
ckel-plated brass F-ports to ensure a corrosion-resistant op interface.
rsatile housing design permits aerial, pedestal, or MDU ounting schemes.
perating temperature from -40°C to +60°C.
ll shielding minimum 100 dB.
essure tested at 10 psi for 60 seconds under water.

ctrical Specifications

Continuous Current:	12 amps - 60/90 V AC
ent Limiting:	250 mA @ 60°C, per drop
ge Resistance:	1 kV
edance:	75 ohm
Hum lation:	70 dB average @ 10 Amps 65 dB average @ 12 Amps
Port Hum Modulation:	65 dB average

Standards Compliance

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

Mechanical
- SCTE IPS-SP-400 — F-port interface specification
- SCTE IPS-SP-420 — entry-port interface specification

Emissions
- FCC-Part 76, Subpart K
- EN 50083-2

Surge Resistance
- IEEE Category B1 C62.41-1991

Environmental
- ASTM G 53 — weathering specification
- ASTM B 117 — salt spray specification
- ASTM D 3170 — chip resistance specification

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 B

	Frequency	Tap Value																					
		4 dB		8 dB		11 dB		14 dB		17 dB		20 dB		23 dB		26 dB		29 dB	
		Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max
Insertion Loss (dB)	5	–	–	3.4	[illegible]	2.0	[illegible]	1.1	[illegible]	0.9	[illegible]	0.7	[illegible]	0.7	[illegible]	0.7	[illegible]	0.7	[illegible]
	40	–	–	3.2	[illegible]	1.5	[illegible]	0.9	[illegible]	0.7	[illegible]	0.5	[illegible]	0.5	[illegible]	0.7	[illegible]	0.6	[illegible]
	50	–	–	3.2	[illegible]	1.5	[illegible]	0.9	[illegible]	0.7	[illegible]	0.5	[illegible]	0.5	[illegible]	0.7	[illegible]	0.6	[illegible]
	450	–	–	4.1	[illegible]	2.2	[illegible]	1.6	[illegible]	1.4	[illegible]	1.1	[illegible]	1.1	[illegible]	1.1	[illegible]	1.1	[illegible]
	550	–	–	3.9	[illegible]	2.4	[illegible]	1.6	[illegible]	1.4	[illegible]	1.2	[illegible]	1.2	[illegible]	1.1	[illegible]	1.1	[illegible]
	750	–	–	3.6	[illegible]	2.2	[illegible]	1.8	[illegible]	1.6	[illegible]	1.3	[illegible]	1.3	[illegible]	1.2	[illegible]	1.2	[illegible]
	860	–	–	4.1	[illegible]	2.5	[illegible]	2.0	[illegible]	1.8	[illegible]	1.4	[illegible]	1.4	[illegible]	1.3	[illegible]	1.4	[illegible]
	1000	–	–	4.5	[illegible]	2.7	[illegible]	2.1	[illegible]	1.9	[illegible]	1.5	[illegible]	1.5	[illegible]	1.4	[illegible]	1.6	[illegible]
Tap Loss (dB) (max tolerance ±1 dB)	5	4.5		8.0		11.5		13.5		17.0		19.5		22.5		25.5		29.0	
	40	4.5		8.0		11.5		13.5		17.0		19.5		22.5		25.5		29.0	
	50	4.5		8.0		11.5		13.5		17.0		19.5		22.5		25.5		29.0	
	450	4.5		8.0		11.5		13.5		17.0		19.5		22.5		25.5		29.0	
	550	4.5		8.0		11.5		13.5		17.0		19.5		22.5		25.5		29.0	
	750	4.5		8.5		11.5		13.5		17.0		19.5		22.5		25.5		29.0	
	860	4.5		8.5		11.5		13.5		17.0		19.5		22.5		25.5		29.0	
	1000	4.5		8.5		11.5		13.5		17.0		19.5		22.5		25.5		29.0	
Return Loss (dB, min)	5	16		15		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	
	860	16		16		16		16		16		16		16		16		16	
	1000	16		16		16		16		16		16		16		16		16	
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	

Unless otherwise noted, specifications are based on measurements made in accordance with NCTA practices for measurements on [illegible] television systems and are referenced to 20°C. All ports terminated.

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 STF-2	573542	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	[illegible]	Multimedia Stretch Tap Module @ 25 dB

ultimedia Stretch Tap
our-way – Revision B

	Frequency	Tap Value															
		8 dB		11 dB		14 dB		17 dB		20 dB		23 dB		26 dB		29 dB	
		Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max
Insertion Loss (dB)	5	–	[illegible]	3.4	[illegible]	2.0	[illegible]	1.1	[illegible]	0.9	[illegible]	0.7	[illegible]	0.7	[illegible]	0.7	[illegible]
	40	–	[illegible]	3.2	[illegible]	1.5	[illegible]	0.9	[illegible]	0.7	[illegible]	0.5	[illegible]	0.5	[illegible]	0.7	[illegible]
	50	–	[illegible]	3.2	[illegible]	1.5	[illegible]	0.9	[illegible]	0.7	[illegible]	0.5	[illegible]	0.5	[illegible]	0.7	[illegible]
	450	–	[illegible]	4.1	[illegible]	2.2	[illegible]	1.6	[illegible]	1.4	[illegible]	1.1	[illegible]	1.1	[illegible]	1.1	[illegible]
	550	–	[illegible]	3.9	[illegible]	2.4	[illegible]	1.6	[illegible]	1.4	[illegible]	1.2	[illegible]	1.2	[illegible]	1.1	[illegible]
	750	–	[illegible]	3.6	[illegible]	2.2	[illegible]	1.8	[illegible]	1.6	[illegible]	1.3	[illegible]	1.3	[illegible]	1.2	[illegible]
	860	–	[illegible]	4.1	[illegible]	2.5	[illegible]	2.0	[illegible]	1.8	[illegible]	1.4	[illegible]	1.4	[illegible]	1.3	[illegible]
	1000	–	[illegible]	4.5	[illegible]	2.7	[illegible]	2.1	[illegible]	1.9	[illegible]	1.5	[illegible]	1.5	[illegible]	1.4	[illegible]
Tap Loss (dB) (max tolerance ±1 dB)	5	8.0		11.0		15.0		17.0		20.0		22.5		25.5		28.5	
	40	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	
	450	8.0		11.0		15.0		17.0		20.0		22.5		25.5		28.5	
	550	8.0		11.0		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	8.5		12.0		15.0		17.0		20.0		22.5		25.5		28.5	
	1000	8.5		12.0		15.0		17.0		20.0		22.5		25.5		28.5	
Return Loss (dB, min)	5	16		14		13		15		15		15		15		15	
	10	14		16		15		16		16		16		16		16	
	50	16		16		16		16		16		16		16		16	
	750	15		16		16		16		16		16		16		16	
	860	16		16		16		16		16		16		16		16	
	1000	16		16		16		16		15		15		16		15	
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	

less otherwise noted, specifications are based on measurements made in accordance with NCTA practices for measurements cable television systems and are referenced to 20°C. All ports terminated.

e Multimedia Stretch Tap consists of a housing and faceplate assemblies and a plug-in directional coupler module. rt 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	573543	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 B

	Frequency	Tap Value													
		11 dB		14 dB		17 dB		20 dB		23 dB		26 dB		29 dB	
		Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max
Insertion Loss (dB)	5	–	–	3.4	3.4	2.0	2.0	1.1	1.3	0.9	1.0	0.7	0.9	0.7	0.9
	40	–	–	3.2	3.3	1.5	1.5	0.9	1.0	0.7	0.8	0.5	0.8	0.5	0.8
	50	–	–	3.2	3.3	1.5	1.5	0.9	1.0	0.7	0.8	0.5	0.8	0.5	0.8
	450	–	–	4.1	4.2	2.2	2.5	1.6	1.7	1.4	1.6	1.1	1.2	1.1	1.2
	550	–	–	3.9	4.0	2.4	2.6	1.6	1.8	1.4	1.6	1.2	1.3	1.2	1.3
	750	–	–	3.6	4.2	2.2	3.1	1.8	2.0	1.6	1.7	1.3	1.6	1.3	1.6
	860	–	–	4.1	4.6	2.5	3.2	2.0	2.1	1.8	1.8	1.4	1.7	1.4	1.7
	1000	–	–	4.5	4.9	2.7	3.2	2.1	2.2	1.9	2.0	1.5	1.7	1.5	1.7
Tap Loss (dB) (max tolerance ±1 dB)	5	11.5		14.5		17.0		20.0		23.0		26.0		29.0	
	40	11.5		14.0		17.5		20.0		23.0		26.0		29.0	
	50	11.5		14.0		17.5		20.0		23.0		26.0		29.0	
	450	11.5		14.0		17.5		20.0		23.0		26.0		29.0	
	550	11.5		14.0		17.5		20.0		23.0		26.0		29.0	
	750	11.5		15.5		18.0		20.0		23.0		26.0		29.0	
	860	12.0		16.0		18.5		20.5		23.0		26.0		29.0	
	1000	12.5		16.5		18.5		20.5		23.0		26.0		29.0	
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	
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	

Unless otherwise noted, specifications are based on measurements made in accordance with NCTA practices for measurements on cable television systems and are referenced to 20°C. All ports terminated.

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.

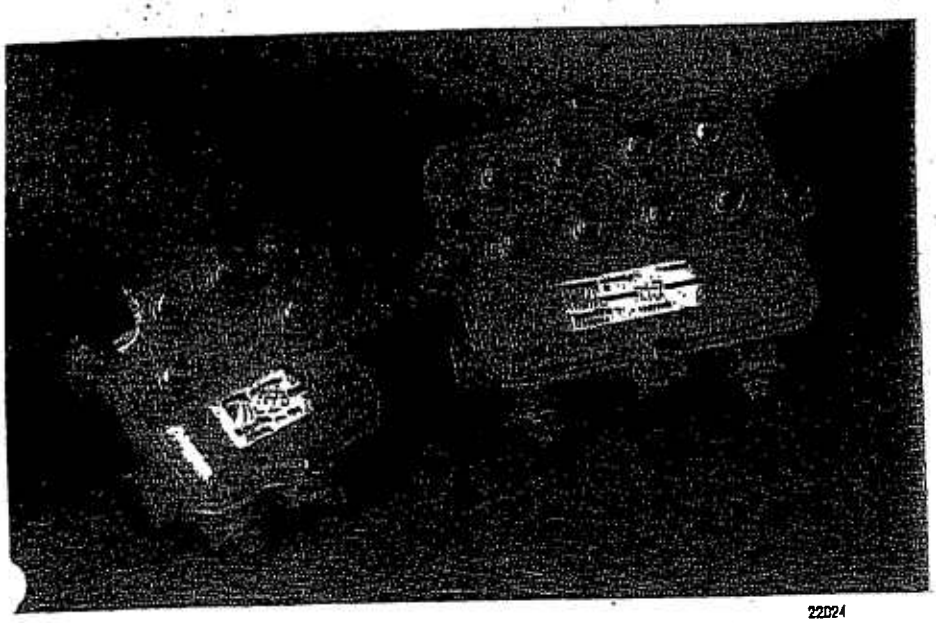
Product	Model Number	Part Number	Description
Complete Tap Assembly	SAT ST8-11	562751	Multimedia Stretch Tap 8-Way @ 11 dB
	SAT ST8-14	562752	Multimedia Stretch Tap 8-Way @ 14 dB
	SAT ST8-17	562753	Multimedia Stretch Tap 8-Way @ 17 dB
	SAT ST8-20	562754	Multimedia Stretch Tap 8-Way @ 20 dB
	SAT ST8-23	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 STF-8	573544	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

Transmission Systems

Multimedia Taps

Two-way, Four-way, Eight-way

Scientific Atlanta



22024

Today's advanced broadband networks are being built to provide a wide variety of voice, video, and data services. Hybrid fiber coax (HFC) continues to be the transmission media of choice to provide integrated multimedia services to the home. The HFC network must now be capable of bringing AC power to the subscriber residence to support critical customer premise equipment demands. Scientific-Atlanta's new family of 1 GHz Multimedia Taps and Passives have been designed to provide the higher current, power passing capability required for telephony and other interactive multimedia services.

Our unique two-step approach allows the broadband operator to deploy Multimedia Taps throughout the network during rebuilds or upgrades. These Multimedia Taps are then upgradeable to power passing capability with the simple addition of our patent-pending Power Distribution Unit (PDU). Incremental expenses are matched with new revenues because power passing tap upgrades are performed only at locations where a revenue generating telephony subscriber is located.

FEATURES

- Patent-pending AC/RF bypass switch to provide uninterrupted downstream subscriber service
- 12 amp through current rating to support network powered telephony
- Economical two-step upgrade to power passing–matches incremental expenses with new revenues
- AC Blocking capacitors on each port to minimize RF Signal distortions
- Surge-resistant™ circuitry (SRC) for maximum reliability
- 2, 4, 8-way capability for maximum design flexibility
- Housing backwards compatibility supports economical faceplate upgrades

cientific-Atlanta's Multimedia taps are rated for the 12 mp through current necessary to support network owering of telephony. Also standard is a unique patent nding AC/RF bypass switch that insures uninterrupted vice to down stream subscribers when the faceplate is moved for servicing or PDU installation. Additionally, 1 Multimedia Taps utilize F-port blocking capacitors and n innovative AC bypass coil design to minimize AC egradation of RF signals.

Backward compatibility saves you money and protects your investment in Scientific-Atlanta products. Any existing Scientific-Atlanta tap may be upgraded to power passing capability with only a faceplate change and the addition of a PDU.

PECIFICATIONS

imensions

2-way / 4-way	3.6 in. H x 3.6 in. W x 3 in. D 91.44 mm H x 91.44 mm W x 76.2 mm D
8-way	4.25 in. H x 5.25 in. W x 3 in. D 107.95 mm H x 133.35 mm W x 76.2 mm D

iechanical

AL36 housing with powder 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.
Component covers for additional protection of faceplate circuitry during maintenance.
Versatile housing design permits aerial, pedestal, or MDU mounting schemes.
Operating temperature from -40° C to +60° C.
EMI shielding minimum -100 dB.
Pressure test at 10 psi for 60 seconds under water.

Standards Compliance

Scientific-Atlanta Multimedia 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

Underwriters Laboratories
- Standard 1459

NEC
- Class 3 circuits

IEEE
- Category B3/B2 C62.41-1991

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

CENELEC
- Standards EN60065, EN50083-1

Specifications and product availability are subject to change without notice.

AC/RF Bypass Switch Performance

System Open Circuit Time	0 mS
Contact Resistance	10 mOhms Max.
Current and Voltage Carrying	10 A, 90 V AC
RF Frequency Range	5 to 1000 MHz
Insertion Loss	See below
Return Loss	See below
Operating Temperature	-40° C to +60° C

	5 MHz	550 MHz	750 MHz	1 GHz
Short Circuited Insertion Loss (dB)	0.05 Max. 0.23 Typ.	0.2 Max. 0.14 Typ.	0.4 Max. 0.17 Typ.	0.4 Max. 0.12 Typ.
Short Circuited Return Loss (dB)	40 Max. 52.8 Typ.	15 Max. 17 Typ.	15 Max. 17 Typ.	20 Max. 21 Typ.

Multimedia Taps
2 Way
Revision E

	Tap Value	4		8		11		14		17		20		23		26		29	
		Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.
Insertion Loss (In-Out) (dB)	Frequency																		
	5-10	-	-	3.2	3.0	1.9	1.8	1.3	1.0	1.1	0.8	0.8	0.5	0.8	0.5	0.8	0.5	0.8	0.5
	11-300	-	-	3.0	2.7	1.8	1.7	1.3	1.1	1.1	0.9	1.0	0.7	1.0	0.7	1.0	0.7	1.0	0.7
	301-400	-	-	3.6	3.0	2.5	1.9	1.8	1.3	1.6	1.1	1.4	0.8	1.4	0.8	1.4	0.8	1.4	0.8
	401-450	-	-	3.5	3.0	2.5	2.1	1.8	1.4	1.6	1.1	1.4	0.9	1.4	0.9	1.4	0.9	1.4	0.9
	451-600	-	-	3.6	3.0	2.6	2.3	1.8	1.7	1.6	1.2	1.4	1.1	1.4	1.1	1.4	1.1	1.4	1.1
	601-750	-	-	4.1	3.6	2.8	2.6	2.0	1.8	1.7	1.3	1.4	1.1	1.4	1.1	1.4	1.1	1.4	1.1
	751-900	-	-	4.0	3.7	3.3	2.8	2.2	2.0	1.9	1.5	1.7	1.4	1.7	1.4	1.7	1.4	1.7	1.4
	901-1000	-	-	4.5	4.0	3.4	3.1	2.4	2.2	2.0	1.8	1.9	1.6	1.9	1.6	1.9	1.6	1.9	1.6
Tap Loss (+/-1.5 dB)	5-10	4	4	8.5	8	11	11	14	14	16.5	17	19.5	20	22.5	23	25.5	26	28.5	29
	11-1000	4	4	8.5	8	11	11	14	14	17	17	20	20	23	23	26	26	29	29
Pass[redacted] (dB)	10-1000	0.5	0.35	0.5	0.35	0.5	0.35	0.5	0.35	0.5	0.35	0.5	0.35	0.5	0.35	0.5	0.35	0.5	0.35
Isolation (Tap-Tap) (dB)	5-10	20	23	20	25	20	23	20	23	20	23	20	23	20	23	20	23	20	23
	11-750	22	25	20	25	22	25	22	25	22	25	22	25	22	25	22	25	22	25
	751-1000	20	22	20	25	20	22	20	22	20	22	20	22	20	22	20	22	20	22
Isolation (Out-Tap) (dB)	5-10	-	-	19	22	19	22	21	24	23	25	25	28	27	30	27	30	27	30
	11-600	-	-	25	27	25	27	26	30	30	32	32	34	34	36	34	36	34	36
	601-750	-	-	23	25	23	25	24	28	28	30	29	31	32	34	32	34	32	34
	751-900	-	-	21	23	21	23	23	26	26	28	28	30	30	32	30	32	30	32
	901-1000	-	-	20	24	20	24	21	24	24	28	26	28	28	30	28	30	28	30

Frequency Response	5 - 1000 MHz	Tap Return Loss	16 dB max.
Power Passing	12 Amps, 60-90 V AC	5 - 1000 MHz	18 dB typ.
Impedance	75 Ohms		
Hu[redacted]dulation	70 dB avg. across passband @ 10 amps	In/Out Return Loss 5 - 1000 MHz	18 dB max. 22 dB typ.

NOTE: Insertion Loss specifications do not include Power Distribution Unit (PDU) contribution.

Model Number	Part Number	Description
SAT MM 2-4	541741	Multimedia--2 Way @ 4 dB
SAT MM 2-8	541742	Multimedia--2 Way @ 8 dB
SAT MM 2-11	541743	Multimedia--2 Way @ 11 dB
SAT MM 2-14	541744	Multimedia--2 Way @ 14 dB
SAT MM 2-17	541745	Multimedia--2 Way @ 17 dB
SAT MM 2-20	541746	Multimedia--2 Way @ 20 dB
SAT MM 2-23	541747	Multimedia--2 Way @ 23 dB
SAT MM 2-26	541748	Multimedia--2 Way @ 26 dB
SAT MM 2-29	541749	Multimedia--2 Way @ 29 dB

·-media Taps

ion E

	Tap Value	8		11		14		17		20		23		26		29	
		Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.
	Frequency																
	5-10	-	-	3.2	3.0	2.1	1.6	1.4	1.0	1.1	0.6	0.9	0.4	0.9	0.4	0.9	0.4
	11-300	-	-	3.0	2.8	2.1	1.7	1.4	1.1	1.1	0.9	0.9	0.7	0.9	0.7	0.9	0.7
tion Loss	301-400	-	-	3.2	3.0	2.4	1.9	1.8	1.3	1.7	1.0	1.4	0.8	1.4	0.8	1.4	0.8
-Out)	401-450	-	-	3.6	3.3	2.5	2.0	1.9	1.4	1.7	1.1	1.4	0.8	1.4	0.8	1.4	0.8
(dB)	451-600	-	-	3.8	3.5	2.5	2.2	1.9	1.5	1.7	1.1	1.4	0.9	1.4	0.9	1.4	0.9
	601-750	-	-	4.3	4.1	2.8	2.3	2.0	1.7	1.7	1.2	1.4	1.0	1.4	1.0	1.4	1.0
	751-900	-	-	4.8	4.6	3.0	2.5	2.3	1.9	1.7	1.4	1.7	1.3	1.7	1.3	1.7	1.3
	901-1000	-	-	5.1	4.9	3.3	2.9	2.5	2.2	2.2	1.6	2.0	1.5	2.0	1.5	2.0	1.5
p Loss	5-10	8	8	12	11.5	14.5	14	16.5	17	19.5	20	22.5	23	25.5	26	28.5	29
1.5 dB	11-1000	8	8	12	11.5	14.5	14	17	17	20	20	23	23	26	26	29	29
ss (+/-	10-1000	0.5	0.35	0.5	0.35	0.5	0.35	0.5	0.35	0.5	0.35	0.5	0.35	0.5	0.35	0.5	0.35
olation	5-10	20	23	20	23	20	23	20	23	20	23	20	23	20	23	20	23
ap-Tap)	11-750	20	26	19	26	20	26	20	26	20	26	20	26	20	26	20	26
(dB)	751-1000	20	27	19	27	20	27	20	27	20	27	20	27	20	27	20	27
	5-10	-	-	20	23	21	24	23	25	25	30	27	32	27	32	27	32
solation	11-600	-	-	25	28	28	28	30	35	29	33	33	35	33	35	33	35
ut - Tap)	601-750	-	-	23	26	26	30	28	30	27	33	31	33	31	33	31	33
(dB)	751-900	-	-	21	23	24	28	25	27	25	30	27	30	27	30	27	30
	901-1000	-	-	20	24	22	26	23	25	23	28	25	28	25	28	25	28

uency Response	5 - 1000 MHz	Tap Return Loss	16 dB max.
er Passing	12 Amps, 60-90 V AC	5 - 1000 MHz	18 dB typ.
edance	75 Ohms		
n Modulation	70 dB avg. across passband @ 10 amps	In/Out Return Loss 5 - 1000 MHz	18 dB max. 22 dB typ.

TE: Insertion Loss specifications do not include Power Distribution Unit (PDU) contribution.

del Number	Part Number	Description
T MM 4-8	541751	Multimedia–4 Way @ 8 dB
T MM 4-11	541752	Multimedia–4 Way @ 11 dB
T MM 4-14	541753	Multimedia–4 Way @ 14 dB
T MM 4-17	541754	Multimedia–4 Way @ 17 dB
T MM 4-20	541755	Multimedia–4 Way @ 20 dB
MM 4-23	541756	Multimedia–4 Way @ 23 dB
MM 4-26	541757	Multimedia–4 Way @ 26 dB
T MM 4-29	541758	Multimedia–4 Way @ 29 dB

Multimedia Taps
8 Way
Revision E

	Tap Value	11		14		17		20		23		26		29	
		Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.
Insertion Loss (In-Out) (dB)	Frequency														
	5-10	-	-	3.7	3.0	2.2	1.7	1.3	1.0	0.9	0.6	0.9	0.6	0.9	0.6
	11-300	-	-	3.9	2.8	2.0	1.6	1.4	1.0	1.1	0.8	1.1	0.8	1.1	0.8
	301-400	-	-	3.9	3.1	2.5	1.8	1.7	1.2	1.5	0.9	1.5	0.9	1.5	0.9
	401-450	-	-	4.1	3.3	2.6	2.0	1.9	1.4	1.6	1.1	1.6	1.1	1.6	1.1
	451-600	-	-	4.6	3.5	2.7	2.2	1.9	1.6	1.6	1.2	1.6	1.2	1.6	1.2
	601-750	-	-	5.1	4.4	2.9	2.5	1.9	1.8	1.6	1.4	1.6	1.4	1.6	1.4
	751-900	-	-	5.4	4.9	3.2	3.0	2.4	2.2	1.9	1.7	1.9	1.7	1.9	1.7
	901-1000	-	-	5.4	5.1	3.5	3.2	2.7	2.5	2.2	1.9	2.2	1.9	2.2	1.9
Tap Loss (+/-1.5 dB)	5-900	11	11	15	15	17.5	17	20	20	23	23	26	26	29	29
	901-1000	11.5	11	15.5	15	18	17	20.5	20	23.5	23	26.5	26	29	29
Re[illegible]/-dB)	10-1000	0.5	0.35	0.5	0.35	0.5	0.35	0.5	0.35	0.5	0.35	0.5	0.35	0.5	0.35
[illegible]tion (Tap-Tap) (dB)	5-10	20	22	20	22	20	22	20	22	20	22	20	22	20	22
	11-750	20	24	20	22	20	24	20	24	20	24	20	24	20	24
	751-1000	18	20	18	20	18	20	18	20	18	20	18	20	18	20
Isolation (Out-Tap) (dB)	5-10	-	-	20	24	19	26	21	28	26	35	26	35	26	35
	11-600	-	-	25	30	25	30	28	30	31	32	31	32	31	32
	601-750	-	-	23	27	23	28	25	28	28	30	28	30	28	30
	751-900	-	-	21	27	21	28	24	28	27	30	27	30	27	30
	901-1000	-	-	20	25	20	28	22	28	25	28	25	28	25	28

Frequency Response	5 - 1000 MHz	Tap Return Loss	15 dB max.
Power Passing	12 Amps, 60-90 V AC	5 - 1000 MHz	17 dB typ.
Impedance	75 Ohms		
Hum Modulation	70 dB avg. across passband @ 10 amps	In/Out Return Loss 5 - 1000 MHz	16 dB max. 18 dB typ.

NOTE: Insertion Loss specifications do not include Power Distribution Unit (PDU) contribution.

Model Number	Part Number	Description
SAT MM 8-11	541760	Multimedia–8 Way @ 11 dB
SAT MM 8-14	541761	Multimedia–8 Way @ 14 dB
SAT MM 8-17	541762	Multimedia–8 Way @ 17 dB
SAT MM 8-20	541763	Multimedia–8 Way @ 20 dB
SAT MM 8-23	541764	Multimedia–8 Way @ 23 dB
SAT MM 8-26	541765	Multimedia–8 Way @ 26 dB
SAT MM 8-29	541766	Multimedia–8 Way @ 29 dB

TIME WARNER CABLE - SYRACUSE DIVISION

Converter and Trap Specifications

System Name : Syracuse ***Date*** : 01/01/2005

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.

Jerrold STARCOM VI Model DP5

82 Chann Addressable Convert

SPECIFICATIONS

Model	DP5— (—=Output channel 2 or 3)
Input Frequency	54—550 MHz
HRC/IRC Frequency Assignments	Downloadable
Dual A/B Cable Switching	Optional A/B switch (integral)
A/B Cable Indicator	LED in front display
Input Video Level	0 dBmV to +15 dBmV
Input Sound Level	−17 dBmV to +2 dBmV
Noise Figure	12dB nominal; 13dB max.
Data Carrier	FSK modulated FM carrier
Frequency	106.5 MHz
Bandwidth	±200 KHz standard FM
Level	−15 dBmV min.; +5 dBmV max.
Noise Figure	12dB nominal; 13dB maximum
Fine Tuning	Automatic
AFT Capture Range	±300 KHz @ input level of 0 dBmV
Output Frequency Stability	±150 KHz
Return Loss:	
Input	6dB min.
Output	8dB min.
Spurious:	
Input (in the input spectrum)	−58 dBmV max.
Output	−60 dBc max., in-band
Cross Modulation Distortion	−57dB (82 channels, each @ 15 dBmV input level)
Second Order Distortion	−60 dB (@15 dBmV input level)
Composite Second Order Distortion	−55 dBmV (82 channels each @ +15 dBmV)
Composite Triple Beat Distortion	−55dB (82 channels, each @15 dBmV)
Converted Input Beats (With all Input Signals)	−25dB (82 channels, each @15 dBmV)
Hum Modulation Distortion	AM: −50dB max. FM: 25 KHz max.
Gain	0dB min.; 9dB max.
Upper Adjacent Video Trap	−12dB nominal; −8dB min.
Lower Adjacent Sound Trap	−12dB nominal; −8dB min.
Frequency Response	3dB for 4.5 MHz video-to-audio carrier
Isolation (input/output)	70dB min.
Scrambling Method	Pulse Sync Suppression or Dynamic Pulse Sync Suppressior (Unauthorized viewing is switched to barker channel)
Parental Control by Channel	100% user-controlled offering channel-by-channel selection with user-supplied/implemented "lock-out" feature
Mechanical Security	Std.: security screws, epoxy potted critical components; uni-chassis construction
Downloadable Parameters	Initialization Command Channel Map System Site Code Time Out Period Terminal Configuration Authorization Information Barker Channel(s) Consumer feature enable/disable
Two-Way System Compatibility	Upgrade by field or factory by addition of STARFONE or STARVUE
Operating Temperature Range	59° to 104°F (15° to 40°C)
Operating Humidity Range	5% to 95% (non-condensing)
AC Voltage	105 VAC to 125 VAC, 60 Hz
Power Dissipation	18 watts at 120 VAC
Surge Protection	Surge protection provided on power supply and RF ports
Size	11.00" × 8.875" × 2.875" (L × W × H)
Weight	5.5 lbs.

NOTE: Specifications subject to change without notice.

STARCOM VI, MODEL DP5
Handheld Remote Control

Transmission Range	Up to 30 feet in a direct line from receiver/converter or up to 25 feet at an angle of up to ±25 degrees from receiver center line
Power Requirements	9 volt standard transistor radio battery
Weight	6 ounces (with battery)
Batteries	Included as standard

NOTE: Specifications subject to change without notice.

Specifications

EL	0 to 15 dBmV
Bi-Frequen	
IRC Frequen	
ignments	
ber of Channels	
A/B Cable Switching	
able Indicator	
Video Level	
Soun	
Carrie	
quency	
idwidth	
el	
S/N	
Tuning	
Capture Range	
ut Frequency Accurac	
rn Loss	
ut	
tput	
ious	
tput	
s Modulation Distortion	
ipos nd Order	
istort	
ond Order Distortion	60 dB
ipposite Triple Beat	
istortion	
verted Input Beats	
With all Input Signals	
	Compression of Dynamic
	Compression of Video
	Heavy, Hamm
	Size 12 x 18 pixels
	24 columns
	Buffer Capacity
	ptors
	acters maximum
	100% user-controlled offering
	channel-by-channel selections
	security screws; security pin
	construction
	channel
	Configuration
	on Information
	Barker Channel(s)
	Jumper Feature Enable/Disable
	Subscriber Messaging
	Channel Descriptors
	Across Reference Map
	channel by addition
	SUPERVUE® OR STARZONE®
	interface module
	104°F (15°C to 40°C)
	95% (non-condensing)
	105 VAC to 125 VAC, 60 Hz
	10 Watts at 120 VAC
	Surge protection provided on power supply and RF ports
	8.25" x 2.7" (LxWxH)
	260 mm x 209.6 mm
	x 68.6 mm)

ecifications subject to change without notice.

General Instrument

Specifications (Continued)
GI's Impulse Model CFT 2000
Handheld Remote Controls

MRC-OSD Transmission Range	Up to 25 feet and a direct line from the receiver terminal within 30 degrees and 22 feet at an angle of 20 degrees from the receiver terminal	[illegible] batteries [illegible] ounces (with battery) Included as standard
TVRC-OSD Transmission Range	Up to 25 feet and a direct line from the receiver terminal within 30 degrees and 22 feet at an angle of 20 degrees from the receiver terminal	Four 1.5 Volt AAA batteries 10 ounces (with battery) Included as standard
IN VIEW Transmission Range	Up to 25 feet and a direct line from the receiver terminal within 30 degrees and 22 feet at an angle of 20 degrees from the receiver terminal	[illegible] 3 Volts 4 ounces (with battery) Included as standard, Two 1.5 Volt AAA
URC Transmission Range	Up to [illegible] feet and a direct line from the receiver terminal within 30 degrees and 22 feet at an angle of 20 degrees from the receiver terminal	[illegible] 6 Volts 6 ounces (with battery) Included as standard, Four 1.5 Volt AAA

NOTE: Specifications subject to change without notice.

Specifications

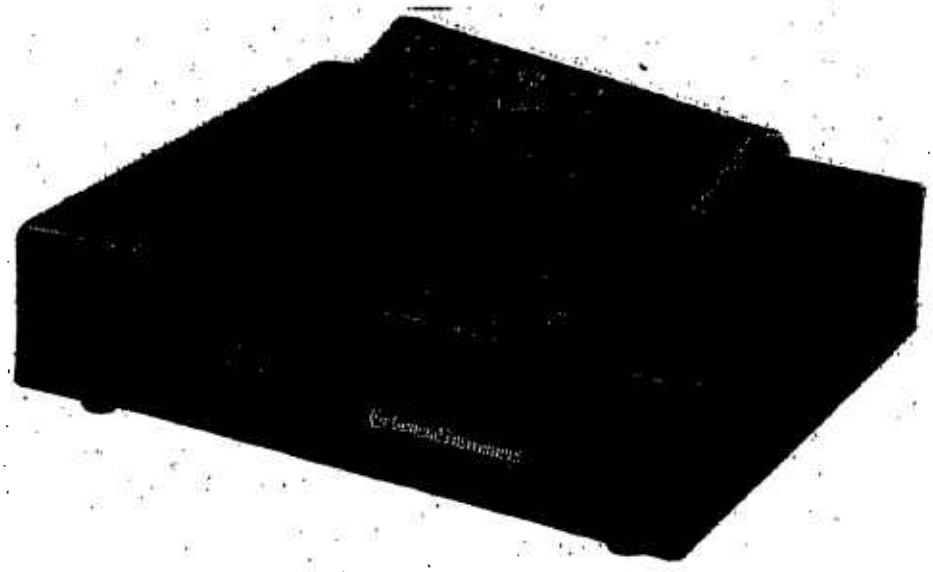
Input Frequency	
IRC/HRC Frequency Assignment	
Number of Channels	
	Compression or Dynamic Compression, Video
	Privacy Channel, Scramble SA Sync Suppression
	8 – 2
7/8 Cable	128x8 (in 16x32) pixels
Input Video Level	
Input Sound Level	4 columns
Data Carrier	8 columns
	Message Packet Capacity:
Frequency	120 Pages
Bandwidth	Channel Descriptors:
Level	maximum
Video S/N	screws, security pin,
Output Frequency	construction
Accuracy	Upgrade in field by addition of STARVUE®, STARFONE® or Network Module
Return Loss	59°F to 104°F (15°C to 40°C)
Input	
Output	
Spurious	non-condensing)
Output	@ 60Hz
Cross Modulation	105VAC
Distortion	
Composite Second Order	
Distortion	
Second Order Distortion	2/8.75" (LxWxH)
Composite Triple Beat Distortion	
Converted Input Signals (Within Channel)	
Hum Modulation Distortion	

Specifications subject to change without notice.

General Instrument

MPULSE® 7000 Series
PV7200P

Impulse-Capable
Volume Control Addressable Terminal



Volume Control For RF Systems

URES

MOTE VOLUME CONTROL
W NOISE TUNER
O-WAY UPGRADABILITY WITH
TERNAL MODULE
WNLOADABLE SYSTEM
RAMETERS

eneral Instrument IMPULSE 7000 Series
el DVPV7200P) is a full-featured 550
(82-channel) addressable terminal
ng remote volume control in systems
RF scrambling schemes.

the standard MRC-550 or optional
BUD URC remote control units,
ribers increase, decrease or mute
lume without ever leaving their chairs.
IPULSE 7000 terminal pass BTSC stereo,
ing subscribers with stereo televisions
/CRs to receive multichannel sound
amming when available. The AGC pre-
ified tuner built into the DPV7200P
les custom video and audio SAW filters
proved audio/video performance.

i-tech styling of this attractive terminal
s it to seamlessly blend into today's
rn home entertainment centers. It is
vard-compatible with all GI addressable
ucts and systems using Hamlin
bling.

AND TWO-WAY IMPULSE MODULES

Field-installable STARFONE® impulse
es allow one-way addressable systems
r push-button subscriber ordering by
the cable system for downstream
nunications to subscriber homes and a
telephone return path for upstream return messaging.

GI's store-and-forward technology permits instant authorization of terminals while a programmable credit limit allows operators to restrict the maximum purchases for each subscriber.

The STARVUE® module, similarly field-installable, uses the same store-and-forward impulse technology. STARVUE, however, employs a cable path for upstream communications. Both modules can handle event purchases with a 63-event limit. STARVUE is also capable of handling subscriber opinion polling.

DOWNLOADABILITY

Advanced downloading capability gives addressable computer control over each terminal's parameters, key features and service authorizations. The built-in diagnostic capability provides valuable subscriber feedback on terminal functions, reducing truck rolls and offering excellent customer service via telephone diagnostics.

The addressable terminal's downloadable channel assignment gives the cable operator maximum flexibility in channel allocation and downloadable channel output (2/3), reducing inventory requirements by encouraging exchange of terminals between systems. Up top six barker channels can be operator-programmed for such uses as marketing assistance, subscriber education, accounts receivable and parental control messaging.

SUBSCRIBER FEATURES

Subscriber-pleasing features, in addition to remote volume control, include favorite channel programming, last-channel recall and electronic parental control. The terminals also feature a convenience outlet.

The standard time-controlled programmed (TCP) feature allows a subscriber to videotape eight different events in one month's time or a series of single/everyday events. When used with the STARFONE or STARVUE internal modules, the terminal can even be programmed to purchase and record IPPV events while the subscriber is absent.

SIGNAL SECURITY

The DPV7200P maintains signal security by descrambling static 6 or 10 dB gated sync suppression modes or GI's dynamic sync suppression scrambling.

ADDRESSABLE SUPPORT

The ACC-2000/AH-4/4E/ACC-4000 addressable controllers easily support all capabilities of this terminal.

GROWTH CAPABILITIES

The unit can be easily upgraded with any of the optional A/B or RF Bypass switches that GI offers.

The RF Bypass switch allows subscribers to bypass their terminals and tune non-scrambled programs directly with their cable-ready TVs or VCRs.

General Instrument

Specifications

MODEL	DPV72xxHP (x = 1-way/2-way/W-mount channel 273 or 3/4)	Approximate Dimensions	5.6dB (82 channels each @ 15 dBmV)
Input Frequency	54-550 MHz (excluding data carrier frequency)	Power Requirements	110 dBmV - 15 dBmV
HRC/IRC Frequency Assignments	Downloaded	Signal Return Path (Upstream)	20 dB min.
Number of Channels	80 channels per cable (one or two cables) (less 2 channels, one for data frequency and one for OSC)	Phase Noise	10 degrees
Dual A/B Cable Switching	Optional A/B Switch (field upgradable)	Hum Modulation	10% (max.)
A/B Cable Indicator	LED in front display	Scrambling Method	Gated Sync Suppression or Dynamic Gated Sync Suppression; Hamlin Compatibility. (Unauthorized viewing is switched to barker channel) Option: Oak Compatibility (A, B)
Input Video Level	0 dBmV to +15 dBmV	Electronic Security	
Input Sound Level	13 to 17 dB	Parental Control by Channel	100% user-controlled offering channel-by-channel selection
Data Carrier	FSK Modulated FM Carrier	Mechanical Security	Std.: security screws; security pin; non-chassis construction
Frequency	106.5 MHz	Downloadable Parameters	Output Channel Channel Map Terminal Configuration Authorization Information Barker Channel(s) Consumer Feature Enable/Disable
Bandwidth	±200 KHz standard FM		
Level	- 15 dBmV min.		
Video	48 dB @ 0 dBmV input		
Fine Tuning	Automatic		
AFT Capture Range	±300 KHz @ input level of 0 dBmV		
Output Frequency Stability	±150 KHz across input dynamic range	Upgrade Compatibility	Upgrade in field by addition of STARFONE® or STARVUE® internal module
Return Loss:			
Input	5 dB min.	Operating Temperature Range	59°F to 104°F (15°C to 40°C)
Output	8 dB min.	Operating Humidity Range	5% to 95% (non-condensing)
Spurious:		AC Voltage	105 VAC to 125 VAC, 60 Hz
Output	-57 dBc max., in-band	Power Dissipation	16 Watts at 120 VAC
Cross Modulation Distortion	-56 dB (82 channels each @ 15 dBmV input level)	Surge Protection	Surge protection provided on power supply and RF ports
Composite Second Order Distortion	-56 dB (82 channels each @ +15 dBmV)		10.25" x 8.25" x 2.7" (LXWxH) (260.4 mm x 209.6 mm x 68.6 mm)
Second Order Distortion	-60 dB @ +15 dBmV input level		5.5 lbs
Converted input beats (with all input signals)	-25 dB (82 channels each @ 15 dBmV)		

DPV7200P Handheld Remote Controls

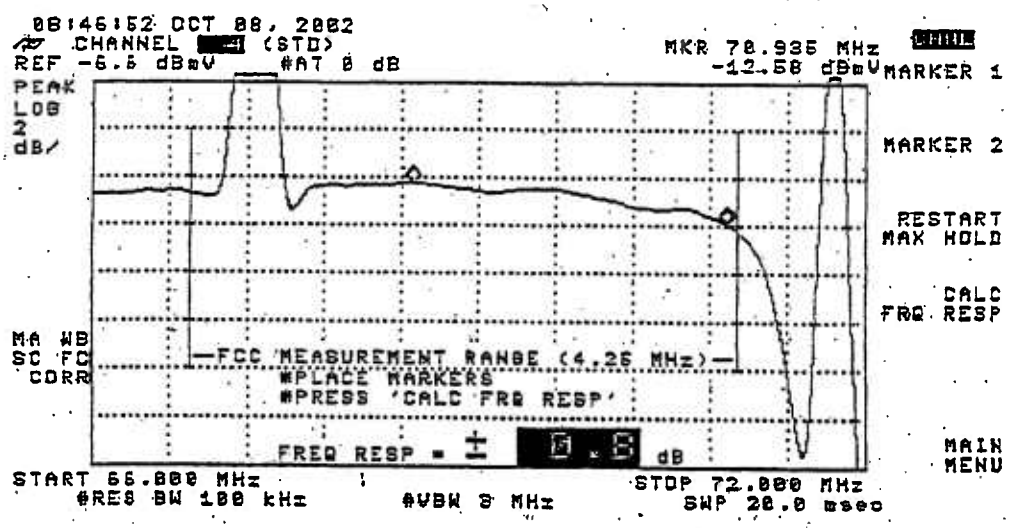
MRC Transmission Range	Up to 25 feet in a direct line from the receiver/terminal at an angle of 22 feet at any angle of up to ±20 degrees axial from receiver/terminal	Power Requirements	Two 1.5 Volt AAA batteries
		Weight	3 ounces (with battery)
		Accessories	Included as standard
TVRC Transmission Range	Up to 25 feet in a direct line from the receiver/terminal at an angle of 22 feet at any angle of up to ±20 degrees axial from receiver/terminal	Power Requirements	Four 1.5 Volt AAA batteries
		Weight	10 ounces (with battery)
		Accessories	Included as standard
Buddy Transmission Range	Up to 25 feet in a direct line from the receiver/terminal at an angle of 22 feet at any angle of up to ±20 degrees axial	Power Requirements	3 Volts
		Weight	4 Ounces (with battery)
		Accessories	Included as standard
URC Transmission Range	Up to 25 feet in a direct line from the receiver/terminal at an angle of 22 feet at any angle of up to ±20 degrees axial	Power Requirements	6 Volts
		Weight	6.5 Ounces (with battery)
		Accessories	Included as standard, Four 1.5 Volt AAA

NOTE: Specifications subject to change without notice.

In U.S.: Hatboro, PA 19040 (215) 674-4800. In Canada: Toronto, Ont. (905) 564-6853. In Europe: Reading, England 44-1734-755555. In Hong Kong: 852-2587-1163. In Brazil: (5523) 494-1232. In Argentina: 541-784-4567.

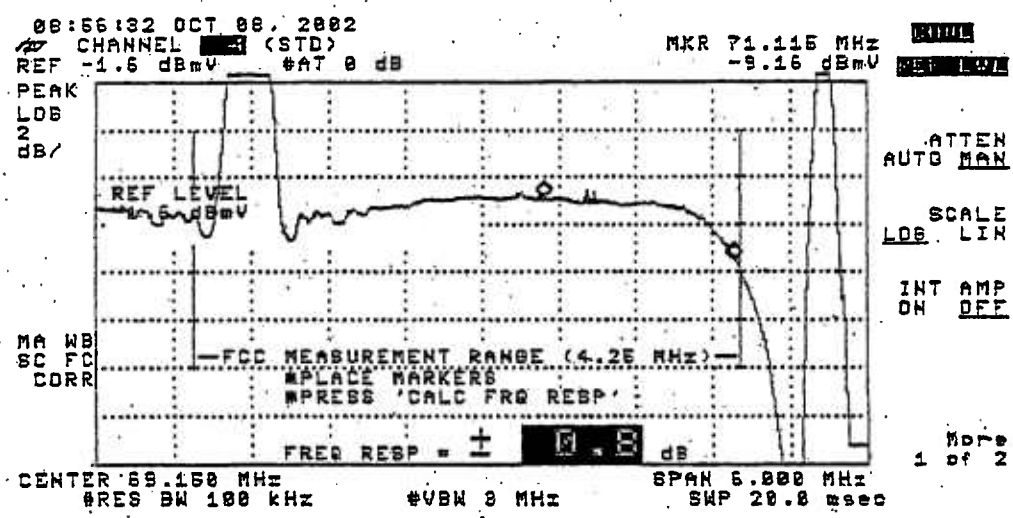
Scientific Altanta Explorer 2000 DHCT

Serial # SABCHQFPL



General Instrument CFT 2000

Serial # C6M4316783



EXPLORER 2000 DHCT Specifications

Introduction

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

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

Continued on next page

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.

Analog Channel RF Input

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)

Continued on next page

Digital Channel Input

Item	Specification
Frequency range	54 MHz to 869 MHz
Input return loss	7 dB minimum
Noise figure	<12 dB at maximum gain
Modulation technique	ITUJ.83 Annex A 64 QAM and 256 QAM
Transmission rate	• Approximately 30 Mbps at 64 QAM • Approximately 40 Mbps at 256 QAM
Transport	DAVIC structure - convolutional de-interleaving and Reed Solomon FEC with T=8
Average private data rate	3 Mbps (from QAM demodulated input to DRAM)
Private data format	per MPEG-2 (ISO/IEC 13818)

RF Input Levels

Item	Modulation Rate	Level
Typical for BER after FEC $<10^{-9}$	64 QAM	-20 dBmV to +14 dBmV
	256 QAM	-14 dBmV to +14 dBmV
Meets specifications of BER after FEC $<10^{-9}$	64 QAM	-15 dBmV to +14 dBmV
	256 QAM	-9 dBmV to +14 dBmV
C/N (at input) - to meet BER at input levels above	64 QAM	>32 dB in 6 MHz BW
	256 QAM	>38 dB in 6 MHz BW

Continued on next page

Digital Audio

Item	Specification
Data rate	384 Kbps maximum
Formats	• MPEG-1 • Layer 2 • 2 channel Musicam • AC-3
Supported sampling rates	• 32 kHz • 48 kHz • 44.1 kHz

Computer Generated Audio

The EXPLORER 2000 DHCT supports the following computer audio sampling rates:

- 8 kHz
- 11.025 kHz
- 22.05 kHz
- 24 kHz
- 32 kHz
- 44.1 kHz
- 48 kHz

Continued on next page

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
	Mute	-50 dB
ResApp Controlled	Volume control	30 steps from 0 dB (maximum volume) to -63 dB nominal
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%
Digital service	Frequency response	20 Hz to 20 kHz ± 1.0 dB
	Signal to noise ratio	• >80 dB A-weighted • >80 dB at 1 kHz (dynamic range)
	Total harmonic distortion - 20 Hz to 20 kHz bandwidth	< 0.2% at 1 kHz
	Stereo channel separation	> 80 dB at 1 kHz

Continued on next page

Baseband Video Output

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 (can 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 (can 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

Continued on next page

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%

Forward Control Channel RF Input

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

Continued on next page

Reverse Control and Interactive Channel RF Output

Item	Specification
Modulation technique	Differential QPSK
Frequency	8 MHz to 26.5 MHz
Channel bandwidth	1 MHz
Channel step size	50 kHz
Forward error correction	Shortened Reed Solomon (59,53), T=3
Mode	Burst mode
Transmission rate	256 Kbps or 1.544 Mbps (maximum burst rate)
Transmission format	53 byte ATM cells
Channel sharing protocol	Slotted ALOHA, TDMA and Reservation
Maximum RF output level	Variable +55 dBm VRMS minimum
C/N0, 2 MHz from carrier (Output level >40 dbm VRMS)	120 dB/Hz
Spurious output (5-42 MHz)	-45 dBC
Channel tuning time	< 5 mS

Memory Configuration

Memory Type	Capacity
CPU DRAM	4 MB standard, MB expandable to 16 MB at factory
CPU Flash	2 MB
CPU ROM	2 MB
Decompression/Graphics SDRAM	2 MB (shared by CPU for application processing)
CPU EEPROM	16 kb

Continued on next page

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

The EXPLORER 2000 Digital Home Communications Terminal (DHCT) meets FCC Part 15, subpart B, class B, applicable parts of Part 76, and UL rule #1409 under the required category of Cable Terminal Devices.

Remote Control Specifications

Introduction

This section contains specifications for the Model 2050-ER1 remote control.

Remote Control Specifications

Item	Specification
IR wavelength	940 nm
Transmitting Range to EXPLORER 2000 DHCT at 2.8 V minimum voltage	• Straight to STT - 8 meters • Remote 30 degrees off center (all directions) • Remote 80 degrees up
Power	• Operational at a minimum battery voltage of 2.4 V • Meets specifications at 2.8 V • The microprocessor remains in stop mode to conserve power until the user presses a button.
Batteries	Uses 2 AA alkaline batteries
Operating temperature	0°C to 40°C (32°F to 104°F)

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.

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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	-8.0 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, 5166251 Trap: Length is 3.56" / Diameter .825 / Specifications subject to change without notice

EAGLE COMMUNICATIONS INC.

Corporate Headquarters: 4562 Waterhouse Road, Clay, NY 13041
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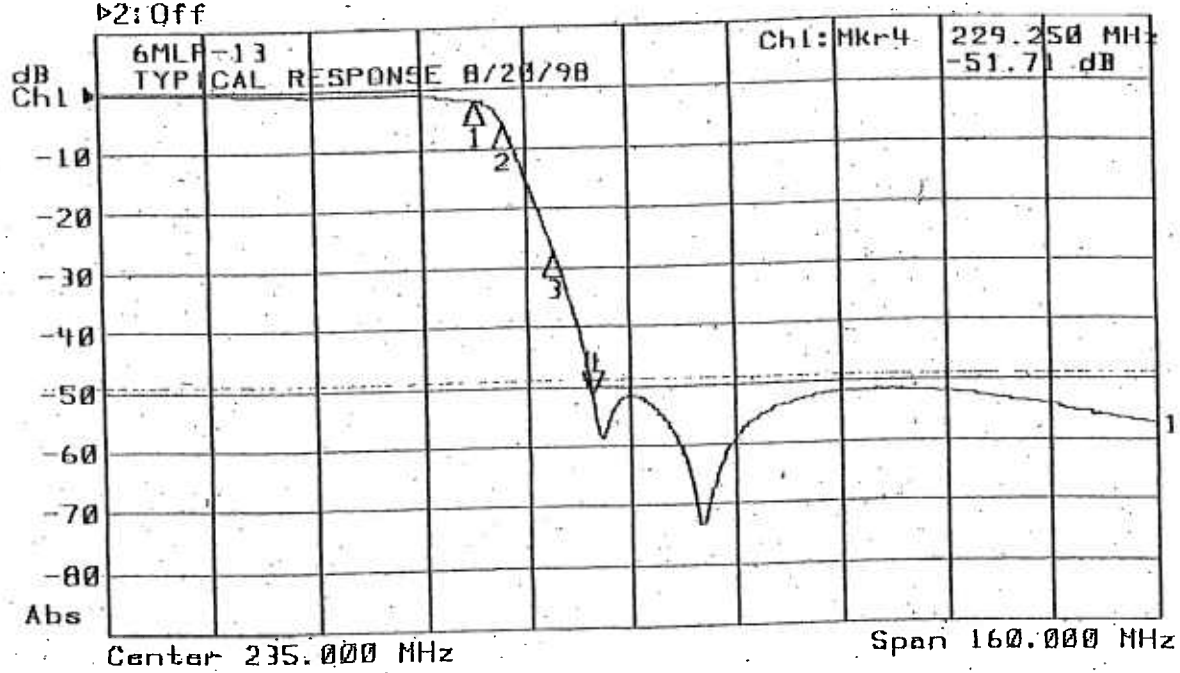
6MLP-13

EAGLE COMTRONICS INC.

▶1: Transmission Log Mag 10.0 dB/ Ref 0.00 dB C?
▷2: Off

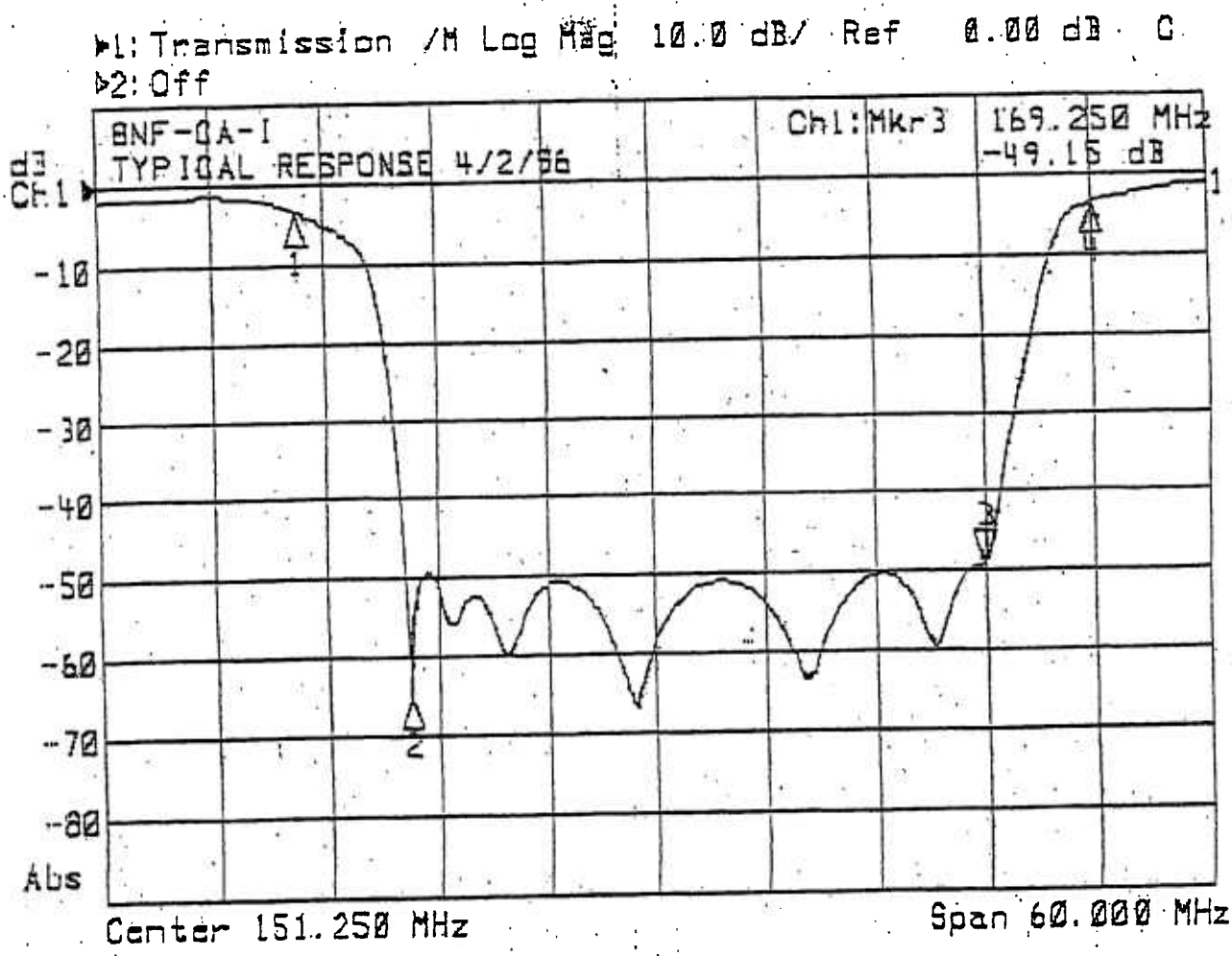


1: Mkr (MHz)	dB
1: 211.25	-2.00
2: 215.75	-5.97
3: 223.25	-27.00
4▶ 229.25	-51.71

2: Mkr (MHz)	dB

Plots Available for 8-NF-Ca-I

Confidential

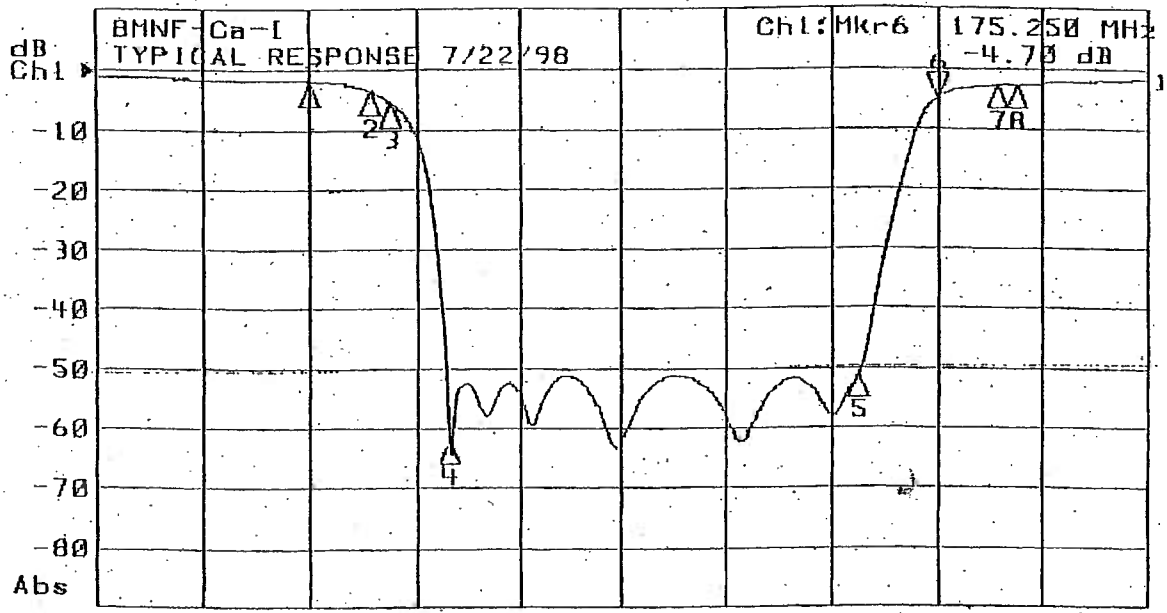


1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1: 131.75	-3.31		
2: 137.75	-65.12		
3> 169.25	-49.15		
4: 175.25	-3.28		

8M[illegible]-Ca-I

EAGLE COMTRONICS INC.

▶1: Transmission Log Mag 10.0 dB/ Ref 0.00 dB C?
▷2: Off



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1: 127.25	-1.72		
2: 131.75	-3.48		
3: 133.25	-5.27		
4: 137.75	-61.75		
5: 169.25	-50.91		
6> 175.25	-4.70		
7: 179.75	-2.62		
8: 181.25	-2.48		

uct Code: _____ Prep By: HB

1: NBP6-158/22 Date: 4-15-97

Poles: 6 Rev: _____

onse: Actual ☒ Estimated ☐

ameter

band Loss:1 2.5 dB Max

uency Range: 5 MHZ To 100 MHZ

band Loss:2 3 dB Max

uency Range: 340 MHZ To 1 MHZ/GHZ

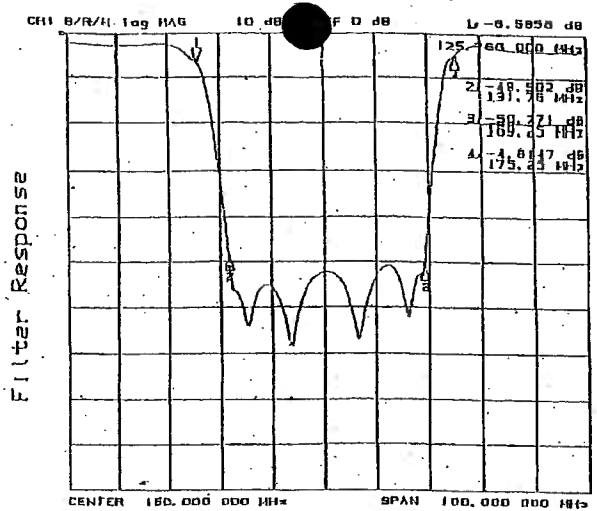
ction: 45 dB Min

uency Range: 133.26 MHZ To 167.75 MHZ/GHZ

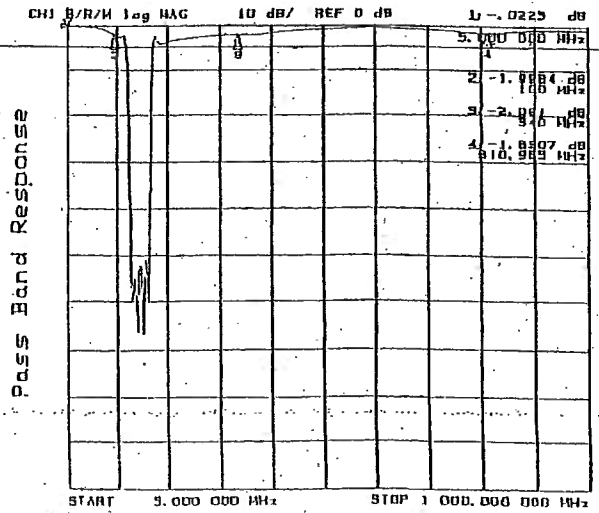
Freq Desc.	Freq (MHZ)	Loss (dB)
14 AUD	125.76	7.5 MAX
15 AUD	131.76	40 min
22 VID	169.25	40 min
7 VID	175.25	5.5 MAX

er Specifications

lsions:



Filter Response



Pass Band Response

FTC

Production Produ

10/01/97 WED 11:45 [TX/RX NO 7063] 002

oduct Code: MLPB-13 Prep By: RCS

del: MLPB-13 Date: 3/5/97

. Poles: 6 Rev:

sponse: Actual ☒ Estimated ☐

arameter

ssband Loss1: 1.5 dB Max

equency Range: 5 MHZ To 145 MHZ

ssband Loss2: dB Max

equency Range: MHZ To MHZ/GHZ

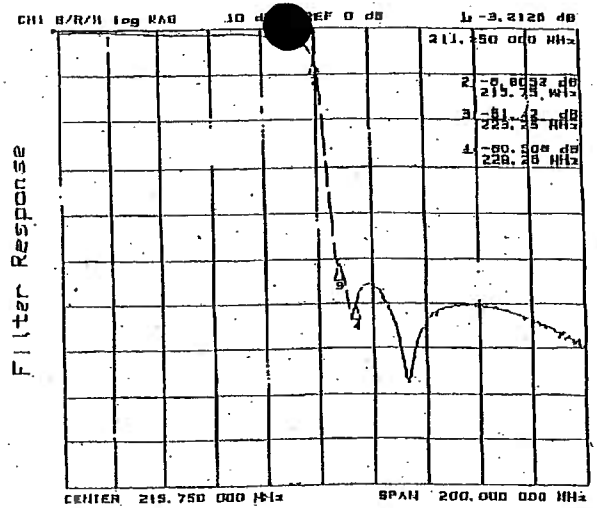
jection: 50 dB Min

equency Range: 229.26 MHZ To 1 GHZ

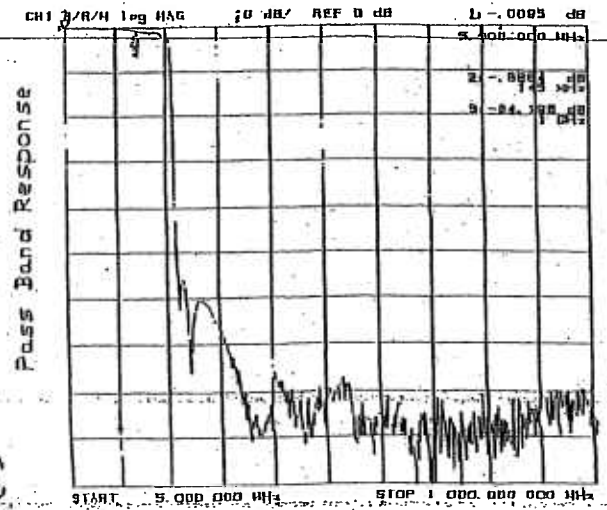
Freq Desc.	Freq (MHZ)	Loss (dB)
13VID	211.25	4.5 MAX.
13AUD	215.75	9.0 MAX.
24VID	223.25	45 MIN.
25VID	229.26	50 MIN.

ther Specifications

evisions:



Filter Response



Pass Band Response

PPC
Production Products Co.
DIV. OF JOHN MEZZALINGUA ASSOC. INC.

TIME WARNER CABLE - SYRACUSE DIVISION

Headend Tests

System Name : Syracuse

HE Location : 6005 Fair Lakes

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TIME WARNER CABLE - SYRACUSE DIVISION

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

System Name : Syracuse
HE Location : Syracuse- Suburbs **Date** : 01/12/2005
Performed By : R.Levesque

ACTUAL CHANNEL	CARRIER FREQ	VISUAL FREQUENCY (MHZ)		AURAL FREQUENCY DIFF (MHZ)		ACTUAL CHANNEL	CARRIER FREQ	VISUAL FREQUENCY (MHZ)		AURAL FREQUENCY DIFF (MHZ)	
2	55.2500	55.2501		4.5000		DD (40)	319.2625	319.2647		4.5001	
3	61.2500	61.2403		4.5010		EE (41)	325.2625	325.2634		4.5000	
4	67.2500	67.2502		4.5000		FF (42)	331.2750	331.2764		4.5000	
5	77.2500	77.2400		4.5010		GG (43)	337.2625	337.2638		4.5000	
6	83.2500	83.2501		4.5000		HH (44)	343.2625	343.2626		4.5000	
A-5 (95)	91.2500					II (45)	349.2625	349.2626		4.5000	
A-4 (96)	97.2500					JJ (46)	355.2625	355.2638		4.5000	
A-3 (97)	103.2500					KK (47)	361.2625	361.2635		4.5001	
A-2 (98)	109.2750	109.2754		4.5001		LL (48)	367.2625	367.2630		4.5000	
A-1 (99)	115.2750	115.2752		4.5000		MM (49)	373.2625	373.2637		4.5001	
A (14)	121.2625	121.2631		4.5001		NN (50)	379.2625	379.2631		4.5000	
B (15)	127.2625	127.2624		4.5000		OO (51)	385.2625	385.2633		4.5000	
C (16)	133.2625	133.2628		4.5001		PP (52)	391.2625	391.2631		4.5001	
D (17)	139.2500	139.2502		4.5000		QQ (53)	397.2625	397.2626		4.5001	
E (18)	145.2500	145.2501		4.5000		RR (54)	403.2500	403.2505		4.5000	
F (19)	151.3210	151.3250		4.5000		SS (55)	409.2500	409.2504		4.5000	
G (20)	157.2500	157.2500		4.5000		TT (56)	415.2500	415.2510		4.5000	
H (21)	163.2500	163.2497		4.5000		UU (57)	421.2500	421.2501		4.5000	
I (22)	169.2500	169.2506		4.5001		VV (58)	427.2500	427.2501		4.5000	
7	175.2500	175.2501		4.5000		WW (59)	433.2500	433.2529		4.5001	
8	181.2500	181.2494		4.5000		XX (60)	439.2500	439.2500		4.5000	
9	187.2500	187.2399		4.5010		YY (61)	445.2500	445.2507		4.5000	
10	193.2500	193.2501		4.5000		ZZ (62)	451.2500	451.2510		4.5000	
11	199.2500	199.2501		4.5001		63	457.2500	457.2509		4.5001	
12	205.2500	205.2506		4.5000		64	463.2500	463.2499		4.5000	
13	211.2500	211.2506		4.5000		65	469.2500	469.2505		4.5000	
J (23)	217.2500	217.2505		4.5000		66	475.2500	475.2505		4.5000	
K (24)	223.2500	223.2501		4.5000		67	481.2500	481.2502		4.5000	
L (25)	229.2625	229.2647		4.5001		68	487.2500	487.2494		4.5000	
M (26)	235.2625	235.2630		4.5000		69	493.2500	493.2498		4.5000	
N (27)	241.2625	241.2631		4.5000		70	499.2500	499.2506		4.5000	
O (28)	247.2625	247.2630		4.5000		71	505.2500	505.2503		4.5000	
P (29)	253.2625	253.2635		4.5000		72	511.2500	511.2508		4.5000	
Q (30)	259.2625	259.2632		4.5000		73	517.2500	517.2528		4.5000	
R (31)	265.2625	265.2624		4.5000		74	523.2500	523.2508		4.5000	
S (32)	271.2625	271.2626		4.5000		75	529.2500	529.2511		4.5000	
T (33)	277.2625	277.2632		4.5000		76	535.2500	535.2510		4.5000	
U (34)	283.2625	283.2630		4.5000		77	541.2500	541.2515		4.5000	
V (35)	289.2625	289.2634		4.5000		78	547.2500	547.2510		4.5000	
W (36)	295.2625	295.2645		4.5000		79	553.2500				
AA (37)	301.2625	301.2629		4.5000		80	559.2500	559.2500		4.5000	
BB (38)	307.2625	307.2626		4.5000		81	565.2500				
CC (39)	313.2625	313.2630		4.5000							

PAGE 10 A

TIME WARNER CABLE - SYRACUSE DIVISION

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

System Name : Syracuse
HE Location : Syracuse- City
Performed By : R. Levesque
Date : 01/12/2005

ACTUAL CHANNEL	CARRIER FREQ	VISUAL FREQUENCY (MHZ)		AURAL FREQUENCY DIFF (MHZ)		ACTUAL CHANNEL	CARRIER FREQ	VISUAL FREQUENCY (MHZ)		AURAL FREQUENCY DIFF (MHZ)	
2	55.2500	55.2500		4.5000		DD (40)	319.2625				
3	61.2500	61.2403		4.5000		EE (41)	325.2625				
4	67.2500	67.2626		4.5000		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					MM (49)	373.2625				
A (14)	121.2625					NN (50)	379.2625				
B (15)	127.2625	127.2626		4.5001		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)	157.2800					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)	253.2625					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										

PAGE 10 B

TIME WARNER CABLE - SYRACUSE DIVISION

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

System Name : Syracuse
HE Location : Syracuse- Fulton **Date** : 01/12/2005
Performed By : R. Levesque

ACTUAL CHANNEL	CARRIER FREQ	VISUAL FREQUENCY (MHZ)		AURAL FREQUENCY DIFF (MHZ)		ACTUAL CHANNEL	CARRIER FREQ	VISUAL FREQUENCY (MHZ)		AURAL FREQUENCY DIFF (MHZ)	
2	55.2500	55.2501		4.5000		DD (40)	319.2625	319.2647		4.5001	
3	61.2500					EE (41)	325.2625				
4	67.2500					FF (42)	331.2750				
5	77.2500					GG (43)	337.2625				
6	83.2500	83.2501		4.5001		HH (44)	343.2625				
A-5 (95)	91.2500					II (45)	349.2625	349.2626		4.5001	
A-4 (96)	97.2500	97.2500		4.5000		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					MM (49)	373.2625				
A (14)	121.2625					NN (50)	379.2625				
B (15)	127.2625	127.2624		4.5000		OO (51)	385.2625				
C (16)	133.2625					PP (52)	391.2625				
D (17)	139.2500	139.2502		4.5000		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	169.2506		4.5001		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	223.2501		4.5000		67	481.2500				
L (25)	229.2625					68	487.2500				
M (26)	235.2625	235.2630		4.5000		69	493.2500				
N (27)	241.2625					70	499.2500				
O (28)	247.2625	247.2630		4.5000		71	505.2500				
P (29)	253.2625					72	511.2500				
Q (30)	259.2625	259.2632		4.5000		73	517.2500				
R (31)	265.2625	265.2624		4.5000		74	523.2500				
S (32)	271.2625	271.2626		4.5000		75	529.2500				
T (33)	277.2625	277.2632		4.5000		76	535.2500				
U (34)	283.2625	283.2630		4.5000		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										

PAGE 10 C

TIME WARNER CABLE - SYRACUSE DIVISION

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

System Name : Syracuse
HE Location : Syracuse- Oswego **Date** : 01/12/2005
Performed By : R. Levesque

ACTUAL CHANNEL	CARRIER FREQ	VISUAL FREQUENCY (MHZ)		AURAL FREQUENCY DIFF (MHZ)		ACTUAL CHANNEL	CARRIER FREQ	VISUAL FREQUENCY (MHZ)		AURAL FREQUENCY DIFF (MHZ)	
2	55.2500	55.2501		4.5000		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	97.2500		4.5000		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					MM (49)	373.2625				
A (14)	121.2625	121.2631		4.5001		NN (50)	379.2625				
B (15)	127.2625					OO (51)	385.2625				
C (16)	133.2625	133.2629		4.5000		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)	253.2625					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										

PAGE 11 MAIN

TIME WARNER CABLE - SYRACUSE DIVISION

Visual / Aural Level Difference Test (at Headend)

System Name	: Syracuse	**Meter / Serial Number**	: 8591C / 3649A01838
HE Location	: Syracuse- Suburbs	**Performed By**	: R. Levesque
Date	: 01/12/2005	**Time**	: 05:19:00

CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)	CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)
2	55.2500	19.4	5.0		14.4	DD (40)	319.2625	19.4	5.3		14.1
3	61.2500	19.4	5.1		14.3	EE (41)	325.2625	19.5	5.0		14.5
4	67.2500	19.8	5.2		14.6	FF (42)	331.2750	19.5	5.5		14
5	77.2500	19.8	4.6		15.2	GG (43)	337.2625	19.5	5.2		14.3
6	83.2500	19.4	5.3		14.1	HH (44)	343.2625	19.5	5.3		14.2
A-5 (95)	91.2500	N/A	N/A		N/A	II (45)	349.2625	19.5	5.0		14.5
A-4 (96)	97.2500	N/A	N/A		N/A	JJ (46)	355.2625	19.7	5.1		14.6
A-3 (97)	103.2500	N/A	N/A		N/A	KK (47)	361.2625	19.5	5.8		13.7
A-2 (98)	109.2750	19.7	5.7		14	LL (48)	367.2625	19.5	5.1		14.4
[illegible]1 (99)	115.2750	19.6	4.9		14.7	MM (49)	373.2625	19.7	5.1		14.6
[illegible] (14)	121.2625	19.5	5.6		13.9	NN (50)	379.2625	19.8	5.3		14.5
[illegible] B (15)	127.2625	19.5	5.2		14.3	OO (51)	385.2625	19.6	5.3		14.3
C (16)	133.2625	19.5	5.4		14.1	PP (52)	391.2625	19.8	5.4		14.4
D (17)	139.2500	19.4	5.3		14.1	QQ (53)	397.2625	19.6	4.8		14.8
E (18)	145.2500	19.5	4.7		14.8	RR (54)	403.2500	19.6	5.1		14.5
F (19)	151.3210	19.6	5.4		14.2	SS (55)	409.2500	19.8	5.0		14.8
G (20)	157.2500	19.3	4.9		14.4	TT (56)	415.2500	19.7	4.7		15
H (21)	163.2500	19.5	4.9		14.6	UU (57)	421.2500	19.7	5.5		14.2
I (22)	169.2500	19.5	5.1		14.4	VV (58)	427.2500	19.8	5.4		14.4
7	175.2500	19.6	5.5		14.1	WW (59)	433.2500	19.8	5.2		14.6
8	181.2500	19.5	5.3		14.2	XX (60)	439.2500	19.5	5.6		13.9
9	187.2500	19.5	4.7		14.8	YY (61)	445.2500	19.8	5.2		14.6
10	193.2500	19.7	5.0		14.7	ZZ (62)	451.2500	19.5	5.3		14.2
11	199.2500	19.6	5.3		14.3	63	457.2500	19.6	5.4		14.2
12	205.2500	19.6	4.6		15	64	463.2500	19.7	5.4		14.3
13	211.2500	19.6	4.6		15	65	469.2500	19.4	5.4		14
J (23)	217.2500	19.7	5.5		14.2	66	475.2500	19.6	5.1		14.5
K (24)	223.2500	19.4	5.4		14	67	481.2500	19.6	4.6		15
L (25)	229.2625	19.6	5.6		14	68	487.2500	19.6	5.1		14.5
M (26)	235.2625	19.8	5.3		14.5	69	493.2500	19.8	5.3		14.5
N (27)	241.2625	19.8	5.1		14.7	70	499.2500	19.8	5.6		14.2
[illegible] (28)	247.2625	19.4	5.1		14.3	71	505.2500	19.6	5.3		14.3
[illegible] (29)	253.2625	19.5	5.2		14.3	72	511.2500	19.8	5.4		14.4
Q (30)	259.2625	19.6	5.8		13.8	73	517.2500	19.5	5.1		14.4
R (31)	265.2625	19.4	5.1		14.3	74	523.2500	19.5	5.0		14.5
S (32)	271.2625	19.3	5.3		14	75	529.2500	19.6	5.6		14
T (33)	277.2625	19.3	5.1		14.2	76	535.2500	19.6	5.5		14.1
U (34)	283.2625	19.6	5.1		14.5	77	541.2500	19.8	5.0		14.8
V (35)	289.2625	19.9	4.7		15.2	78	547.2500	19.4	4.5		14.9
W (36)	295.2625	19.6	5.1		14.5	79	553.2500	N/A	N/A		N/A
AA (37)	301.2625	19.4	5.4		14	80	559.2500	19.6	5.5		14.1
BB (38)	307.2625	19.5	5.3		14.2	81	565.2500	N/A	N/A		N/A
CC (39)	313.2625	19.5	5.6		13.9						

Min Channel	:	G(20)	19.3
Max Channel	:	V(35)>	19.9
Peak to Valley	:	0.6	

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TIME WARNER CABLE - SYRACUSE DIVISION

Visual / Aural Level Difference Test (at Headend)

System Name	: Syracuse	**Meter / Serial Number**	: 8591C / 3649A01838
HE Location	: Syracuse- City	**Performed By**	: R. Levesque
Date	: 01/13/2005	**Time**	: 07:30:00

CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)	CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)
2	55.2500	19.6	4.9		14.7	DD (40)	319.2625	19.6	5.5		14.1
3	61.2500	19.3	4.9		14.4	EE (41)	325.2625	19.7	5.2		14.5
4	67.2500	19.3	4.9		14.4	FF (42)	331.2750	19.7	5.4		14.3
5	77.2500	19.7	4.8		14.9	GG (43)	337.2625	19.6	5.3		14.3
6	83.2500	19.2	5.3		13.9	HH (44)	343.2625	19.7	5.7		14
A-5 (95)	91.2500	N/A	N/A		N/A	II (45)	349.2625	19.7	5.6		14.1
A-4 (96)	97.2500	N/A	N/A		N/A	JJ (46)	355.2625	19.7	5.4		14.3
A-3 (97)	103.2500	N/A	N/A		N/A	KK (47)	361.2625	19.7	5.3		14.4
A-2 (98)	109.2750	19.6	5.7		13.9	LL (48)	367.2625	19.4	5.2		14.2
[illegible]-1 (99)	115.2750	19.5	5.0		14.5	MM (49)	373.2625	19.6	5.0		14.6
[illegible] (14)	121.2625	19.7	5.7		14	NN (50)	379.2625	19.5	5.0		14.5
[illegible]B (15)	127.2625	19.5	5.5		14	OO (51)	385.2625	19.0	4.6		14.4
C (16)	133.2625	19.7	5.6		14.1	PP (52)	391.2625	18.9	4.7		14.2
D (17)	139.2500	19.5	5.1		14.4	QQ (53)	397.2625	18.9	4.5		14.4
E (18)	145.2500	19.7	4.5		15.2	RR (54)	403.2500	19.2	5.1		14.1
F (19)	151.3210	19.3	5.3		14	SS (55)	409.2500	19.6	4.9		14.7
G (20)	157.2500	18.9	4.7		14.2	TT (56)	415.2500	19.4	4.6		14.8
H (21)	163.2500	19.1	4.7		14.4	UU (57)	421.2500	19.4	5.5		13.9
I (22)	169.2500	19.3	4.8		14.5	VV (58)	427.2500	19.7	5.5		14.2
7	175.2500	19.4	5.1		14.3	WW (59)	433.2500	19.6	4.7		14.9
8	181.2500	19.3	5.2		14.1	XX (60)	439.2500	19.3	5.4		13.9
9	187.2500	19.4	4.8		14.6	YY (61)	445.2500	19.4	4.8		14.6
10	193.2500	19.7	5.0		14.7	ZZ (62)	451.2500	19.3	5.0		14.3
11	199.2500	19.7	5.6		14.1	63	457.2500	19.4	5.2		14.2
12	205.2500	19.7	6.3		13.4	64	463.2500	19.3	5.1		14.2
13	211.2500	19.5	4.2		15.3	65	469.2500	19.1	5.1		14
J (23)	217.2500	19.4	4.9		14.5	66	475.2500	19.0	5.1		13.9
K (24)	223.2500	19.7	5.7		14	67	481.2500	19.3	4.4		14.9
L (25)	229.2625	19.1	5.0		14.1	68	487.2500	19.3	4.9		14.4
M (26)	235.2625	19.3	5.1		14.2	69	493.2500	19.7	5.2		14.5
N (27)	241.2625	19.6	5.1		14.5	70	499.2500	19.5	5.0		14.5
[illegible] (28)	247.2625	19.3	5.3		14	71	505.2500	19.2	4.6		14.6
[illegible] (29)	253.2625	19.4	5.5		13.9	72	511.2500	19.1	4.4		14.7
Q (30)	259.2625	19.2	5.3		13.9	73	517.2500	18.9	4.2		14.7
R (31)	265.2625	19.3	5.0		14.3	74	523.2500	18.9	4.3		14.6
S (32)	271.2625	19.7	5.7		14	75	529.2500	18.9	5.0		13.9
T (33)	277.2625	19.7	5.7		14	76	535.2500	18.9	5.1		13.8
U (34)	283.2625	19.5	5.3		14.2	77	541.2500	19.4	4.8		14.6
V (35)	289.2625	19.6	4.4		15.2	78	547.2500	19.4	4.8		14.6
W (36)	295.2625	19.6	5.4		14.2	79	553.2500	N/A	N/A		N/A
AA (37)	301.2625	19.5	5.9		13.6	80	559.2500	18.9	5.3		13.6
BB (38)	307.2625	19.7	5.6		14.1	81	565.2500	N/A	N/A		N/A
CC (39)	313.2625	19.7	6.0		13.7						

Min Channel	:	G(20)	18.9
Max Channel	:	5	19.7
Peak to Valley	:	0.8	

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TIME WARNER CABLE - SYRACUSE DIVISION

Visual / Aural Level Difference Test (at Headend)

System Name	: Syracuse	**Meter / Serial Number**	: 8591C / 3649A1838
HE Location	: Syracuse- Fulton	**Performed By**	: R. Levesque
Date	: 01/13/2005	**Time**	: 09:05:00

CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)	CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)
2	55.2500	19.3	5.8		13.5	DD (40)	319.2625	19.4	5.4		14
3	61.2500	19.7	4.6		15.1	EE (41)	325.2625	19.2	4.5		14.7
4	67.2500	19.3	5.8		13.5	FF (42)	331.2750	18.9	4.9		14
5	77.2500	19.1	4.7		14.4	GG (43)	337.2625	19.1	4.5		14.6
6	83.2500	19.2	4.7		14.5	HH (44)	343.2625	18.9	5.1		13.8
A-5 (95)	91.2500	N/A	N/A		N/A	II (45)	349.2625	19.6	4.4		15.2
A-4 (96)	97.2500	18.9	4.7		14.2	JJ (46)	355.2625	18.9	4.8		14.1
A-3 (97)	103.2500	N/A	N/A		N/A	KK (47)	361.2625	19.1	4.7		14.4
A-2 (98)	109.2750	N/A	N/A		N/A	LL (48)	367.2625	18.9	3.8		15.1
[illegible]-1 (99)	115.2750	18.9	5.1		13.8	MM (49)	373.2625	18.9	4.3		14.6
[illegible] (14)	121.2625	18.9	4.2		14.7	NN (50)	379.2625	18.9	4.1		14.8
[illegible]B (15)	127.2625	19.7	4.3		15.4	OO (51)	385.2625	18.9	4.2		14.7
C (16)	133.2625	19.2	6.2		13	PP (52)	391.2625	18.9	5.3		13.6
D (17)	139.2500	19.4	4.0		15.4	QQ (53)	397.2625	19.4	4.6		14.8
E (18)	145.2500	18.9	4.8		14.1	RR (54)	403.2500	19.7	5.3		14.4
F (19)	151.3210	19.2	5.0		14.2	SS (55)	409.2500	19.4	5.1		14.3
G (20)	157.2500	19.4	4.0		15.4	TT (56)	415.2500	19.7	4.0		15.7
H (21)	163.2500	18.9	4.7		14.2	UU (57)	421.2500	18.9	4.6		14.3
I (22)	169.2500	19.1	4.6		14.5	VV (58)	427.2500	19.1	5.1		14
7	175.2500	18.9	4.5		14.4	WW (59)	433.2500	19.2	3.8		15.4
8	181.2500	18.9	5.1		13.8	XX (60)	439.2500	18.9	5.5		13.4
9	187.2500	19.1	3.7		15.4	YY (61)	445.2500	19.0	4.5		14.5
10	193.2500	19.1	5.0		14.1	ZZ (62)	451.2500	19.4	5.3		14.1
11	199.2500	19.0	4.9		14.1	63	457.2500	19.4	5.3		14.1
12	205.2500	19.7	4.7		15	64	463.2500	19.0	5.2		13.8
13	211.2500	18.9	4.2		14.7	65	469.2500	19.3	3.9		15.4
J (23)	217.2500	19.1	4.6		14.5	66	475.2500	18.9	4.7		14.2
K (24)	223.2500	19.5	4.3		15.2	67	481.2500	18.9	2.3		16.6
L (25)	229.2625	18.9	5.2		13.7	68	487.2500	18.9	3.3		15.6
M (26)	235.2625	19.1	4.2		14.9	69	493.2500	18.9	3.8		15.1
N (27)	241.2625	19.0	4.9		14.1	70	499.2500	19.0	4.3		14.7
[illegible] (28)	247.2625	19.2	5.3		13.9	71	505.2500	19.0	4.3		14.7
[illegible] (29)	253.2625	19.5	4.8		14.7	72	511.2500	19.0	4.3		14.7
[illegible]Q (30)	259.2625	19.3	4.9		14.4	73	517.2500	19.0	4.0		15
R (31)	265.2625	19.4	4.0		15.4	74	523.2500	19.0	4.3		14.7
S (32)	271.2625	19.3	5.5		13.8	75	529.2500	18.9	4.9		14
T (33)	277.2625	19.2	6.3		12.9	76	535.2500	18.9	3.9		15
U (34)	283.2625	19.5	4.9		14.6	77	541.2500	19.0	4.4		14.6
V (35)	289.2625	18.9	4.0		14.9	78	547.2500	19.1	3.8		15.3
W (36)	295.2625	18.9	4.8		14.1	79	553.2500	N/A	N/A		N/A
AA (37)	301.2625	19.6	4.7		14.9	80	559.2500	18.9	3.8		15.1
BB (38)	307.2625	19.1	5.4		13.7	81	565.2500	N/A	N/A		N/A
CC (39)	313.2625	19.4	5.2		14.2						

Min Channel	:	A-4(96)	18.9
Max Channel	:	3	19.7
Peak to Valley	:	0.8	

PAGE 11 C

TIME WARNER CABLE - SYRACUSE DIVISION

Visual / Aural Level Difference Test (at Headend)

System Name	: Syracuse	**Meter / Serial Number**	: 8591C / 3649A01838
HE Location	: Syracuse- Oswego	**Performed By**	: R. Levesque
Date	: 01/13/2005	**Time**	: 07:52:00

CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)	CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)
2	55.2500	19.5	5.6		13.9	DD (40)	319.2625	19.7	5.8		13.9
3	61.2500	19.0	4.8		14.2	EE (41)	325.2625	19.3	4.7		14.6
4	67.2500	19.4	5.5		13.9	FF (42)	331.2750	19.3	5.2		14.1
5	77.2500	19.4	4.3		15.1	GG (43)	337.2625	19.3	4.9		14.4
6	83.2500	19.1	5.3		13.8	HH (44)	343.2625	19.1	5.2		13.9
A-5 (95)	91.2500	N/A	N/A		N/A	II (45)	349.2625	19.2	4.7		14.5
A-4 (96)	97.2500	19.7	5.1		14.6	JJ (46)	355.2625	19.4	4.7		14.7
A-3 (97)	103.2500	N/A	N/A		N/A	KK (47)	361.2625	19.1	4.6		14.5
A-2 (98)	109.2750	N/A	N/A		N/A	LL (48)	367.2625	18.9	4.4		14.5
[illegible] (99)	115.2750	19.0	4.2		14.8	MM (49)	373.2625	18.8	4.1		14.7
[illegible] (14)	121.2625	19.4	4.9		14.5	NN (50)	379.2625	18.9	4.6		14.3
B (15)	127.2625	19.3	4.9		14.4	OO (51)	385.2625	18.9	4.3		14.6
C (16)	133.2625	19.4	5.4		14	PP (52)	391.2625	18.9	4.7		14.2
D (17)	139.2500	18.8	5.1		13.7	QQ (53)	397.2625	19.0	4.7		14.3
E (18)	145.2500	19.2	4.4		14.8	RR (54)	403.2500	19.4	4.9		14.5
F (19)	151.3210	19.5	5.3		14.2	SS (55)	409.2500	19.5	4.5		15
G (20)	157.2500	18.8	4.7		14.1	TT (56)	415.2500	19.0	4.0		15
H (21)	163.2500	19.3	4.7		14.6	UU (57)	421.2500	18.9	4.3		14.6
I (22)	169.2500	19.6	5.6		14	VV (58)	427.2500	18.9	4.6		14.3
7	175.2500	19.0	5.0		14	WW (59)	433.2500	18.9	4.2		14.7
8	181.2500	19.2	4.7		14.5	XX (60)	439.2500	19.0	4.6		14.4
9	187.2500	19.0	4.2		14.8	YY (61)	445.2500	19.0	4.7		14.3
10	193.2500	19.0	4.5		14.5	ZZ (62)	451.2500	19.2	5.2		14
11	199.2500	19.1	4.9		14.2	63	457.2500	19.2	5.1		14.1
12	205.2500	19.1	5.4		13.7	64	463.2500	18.9	5.0		13.9
13	211.2500	19.0	4.8		14.2	65	469.2500	18.9	4.8		14.1
J (23)	217.2500	19.0	4.8		14.2	66	475.2500	19.0	4.4		14.6
K (24)	223.2500	19.0	4.4		14.6	67	481.2500	19.0	4.0		15
L (25)	229.2625	19.1	4.9		14.2	68	487.2500	19.0	4.2		14.8
M (26)	235.2625	19.1	4.9		14.2	69	493.2500	18.9	4.8		14.1
N (27)	241.2625	19.4	5.0		14.4	70	499.2500	19.0	4.8		14.2
[illegible] (28)	247.2625	19.5	5.2		14.3	71	505.2500	18.9	4.2		14.7
[illegible] (29)	253.2625	19.7	5.3		14.4	72	511.2500	18.9	4.3		14.6
Q (30)	259.2625	18.9	4.1		14.8	73	517.2500	18.9	4.2		14.7
R (31)	265.2625	19.6	4.1		15.5	74	523.2500	18.9	3.8		15.1
S (32)	271.2625	19.0	5.7		13.3	75	529.2500	19.0	4.3		14.7
T (33)	277.2625	18.9	5.1		13.8	76	535.2500	19.0	4.0		15
U (34)	283.2625	19.3	5.5		13.8	77	541.2500	19.0	3.8		15.2
V (35)	289.2625	18.9	4.1		14.8	78	547.2500	18.9	4.3		14.6
W (36)	295.2625	19.0	4.6		14.4	79	553.2500	N/A	N/A		N/A
AA (37)	301.2625	19.3	5.2		14.1	80	559.2500	18.9	4.8		14.1
BB (38)	307.2625	19.4	5.2		14.2	81	565.2500	N/A	N/A		N/A
CC (39)	313.2625	19.2	5.7		13.5						

Min Channel	:	D(17)	18.8
Max Channel	:	A-4(96)>	19.7
Peak to Valley	:	0.9	

TESTPOINT 1, PAGE 1

TIME WARNER CABLE - SYRACUSE DIVISION

System Name	:	Syracuse
System Test Point #	:	1
Hub Name	:	Mapleview Hub
Location	:	County Route 11 / Parish
Map Number	:	347-5762
Pole Number	:	Pole # 14
D.T. Value	:	20/4
OR Number	:	1334
GNA Cascade	:	Node + 8
LE Cscade	:	0

TESTPOINT 1, PAGE 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	: Syracuse	**Test Location**	: County Route 11 / Parish
Date	: 01/13/2005	**Time**	: 06:00:00

CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)	CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)
2	55.2500	13.70	0		13.7	DD (40)	319.2625	15.20	0.80		14.4
3	61.2500	14.90	0.20		14.7	EE (41)	325.2625	14.50	-0.20		14.7
4	67.2500	14.20	0		14.2	FF (42)	331.2750	14.20	0		14.2
5	77.2500	14.30	-0.60		14.9	GG (43)	337.2625	14.30	0		14.3
6	83.2500	14.30	0.50		13.8	HH (44)	343.2625	14.10	0		14.1
A-5 (95)	91.2500	N/A	N/A		N/A	II (45)	349.2625	14.30	-0.30		14.6
A-4 (96)	97.2500	15.40	1.20		14.2	JJ (46)	355.2625	14.50	-0.20		14.7
A-3 (97)	103.2500	N/A	N/A		N/A	KK (47)	361.2625	14.40	-0.30		14.7
A-2 (98)	109.2750	N/A	N/A		N/A	LL (48)	367.2625	13.90	-0.80		14.7
[illegible]-1 (99)	115.2750	15.70	0.60		15.1	MM (49)	373.2625	14.00	-0.90		14.9
[illegible] (14)	121.2625	16.30	0.60		15.7	NN (50)	379.2625	13.30	-0.70		14
[illegible] (15)	127.2625	15.40	0.70		14.7	OO (51)	385.2625	13.70	-0.60		14.3
C (16)	133.2625	15.70	1.60		14.1	PP (52)	391.2625	13.80	-0.40		14.2
D (17)	139.2500	15.70	2.30		13.4	QQ (53)	397.2625	14.10	-0.60		14.7
E (18)	145.2500	16.60	1.20		15.4	RR (54)	403.2500	14.00	-0.40		14.4
F (19)	151.3210	16.40	1.40		15	SS (55)	409.2500	13.80	-1.10		14.9
G (20)	157.2500	15.60	3.20		12.4	TT (56)	415.2500	12.90	-2.50		15.4
H (21)	163.2500	17.90	3.30		14.6	UU (57)	421.2500	12.70	-1.70		14.4
I (22)	169.2500	17.60	3.40		14.2	VV (58)	427.2500	12.80	-1.30		14.1
7	175.2500	17.20	3.10		14.1	WW (59)	433.2500	12.70	-1.10		13.8
8	181.2500	16.80	1.90		14.9	XX (60)	439.2500	13.30	0		13.3
9	187.2500	16.70	1.20		15.5	YY (61)	445.2500	14.20	0.20		14
10	193.2500	15.80	0.60		15.2	ZZ (62)	451.2500	14.90	0.90		14
11	199.2500	15.30	0.90		14.4	63	457.2500	15.10	0.70		14.4
12	205.2500	14.90	0.50		14.4	64	463.2500	15.30	0.40		14.9
13	211.2500	15.50	0.50		15	65	469.2500	14.50	0.20		14.3
J (23)	217.2500	15.50	1.20		14.3	66	475.2500	14.30	-0.20		14.5
K (24)	223.2500	15.80	0.80		15	67	481.2500	14.20	-0.90		15.1
L (25)	229.2625	15.70	1.40		14.3	68	487.2500	14.20	-0.40		14.6
M (26)	235.2625	16.10	2.10		14	69	493.2500	13.90	-0.10		14
N (27)	241.2625	16.50	2.20		14.3	70	499.2500	14.10	-0.10		14.2
[illegible] (28)	247.2625	17.00	2.40		14.6	71	505.2500	14.40	-0.70		15.1
[illegible] (29)	253.2625	16.70	2.40		14.3	72	511.2500	14.10	-0.40		14.5
[illegible] (30)	259.2625	16.40	1.20		15.2	73	517.2500	13.30	-0.60		13.9
R (31)	265.2625	16.40	0.90		15.5	74	523.2500	14.00	-0.80		14.8
S (32)	271.2625	16.30	2.20		14.1	75	529.2500	13.60	-0.60		14.2
T (33)	277.2625	15.80	1.70		14.1	76	535.2500	13.50	-0.80		14.3
U (34)	283.2625	16.20	2.10		14.1	77	541.2500	13.70	-0.60		14.3
V (35)	289.2625	15.50	0.60		14.9	78	547.2500	14.30	-0.30		14.6
W (36)	295.2625	15.60	1.10		14.5	79	553.2500	N/A	N/A		N/A
AA (37)	301.2625	15.60	1.50		14.1	80	559.2500	14.80	0.30		14.5
BB (38)	307.2625	15.50	0.90		14.6	81	565.2500	N/A	N/A		N/A
CC (39)	313.2625	15.10	1.10		14						

Min Channel	:	UU(57)	12.700
Max Channel	:	H(21)	17.900
Peak to Valley	:	5.2	

TESTPOINT 1, PAGE 3

TIME WARNER CABLE - SYRACUSE DIVISION

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

System Name : Syracuse ***Date*** : 1/20/2005

Performed By : Rodney Levesque

tion : County Route 11 / Parish

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

CHANNEL NUMBER	IN CHANNEL RESPONSE	CARRIER TO NOISE RATIO	DISTORTIONS	CSO	HUM
	(+/- DB)	(DB)	(-DBC) CTB		(%)
4	0.5	48.8	66.7	77.3	
14	0.5	48.3	63.2	75.4	
20	0.4	48.2	66.4	77.0	
13	0.2	48.8	63.8	76.6	
35	0.3	48.4	64.5	73.6	
43	0.3	48.3	62.6	73.1	
49	0.4	47.9	63.9	71.7	
61	0.3	48.3	62.5	68.2	
77	0.5	47.5	64.0	65.2	0.9

TIME WARNER CABLE - SYRACUSE DIVISION

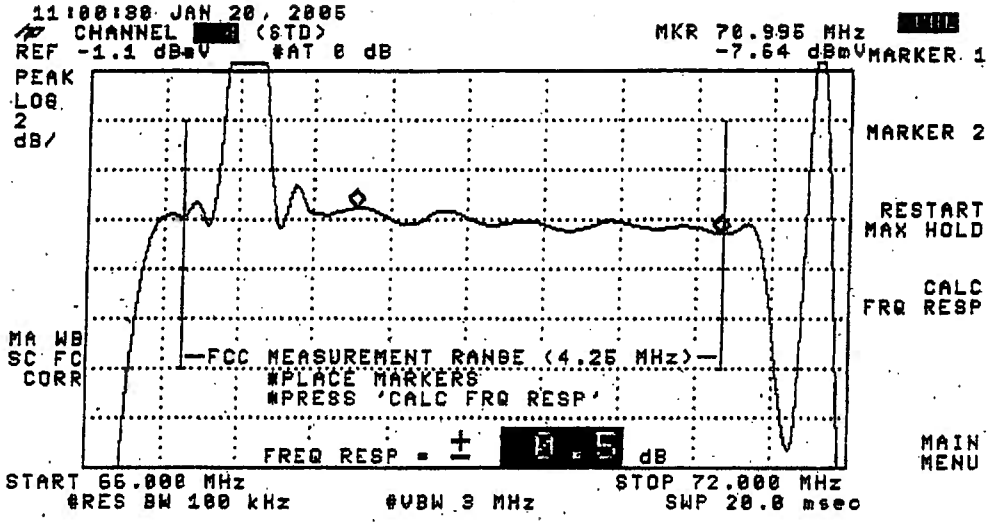
IN CHANNEL FREQUENCY RESPONSE TEST
(76.605) (a) (6)

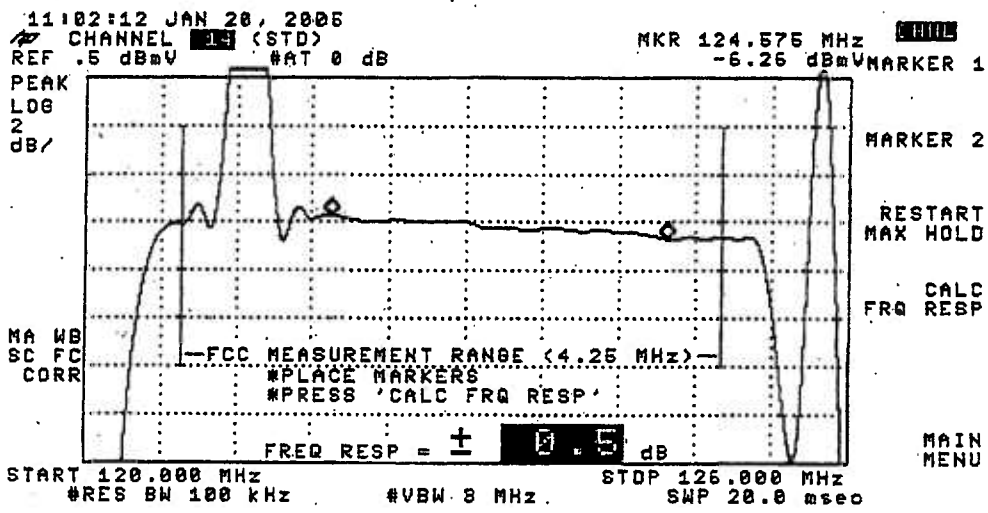
System Name : Syracuse ***Date*** : 01/20/2005

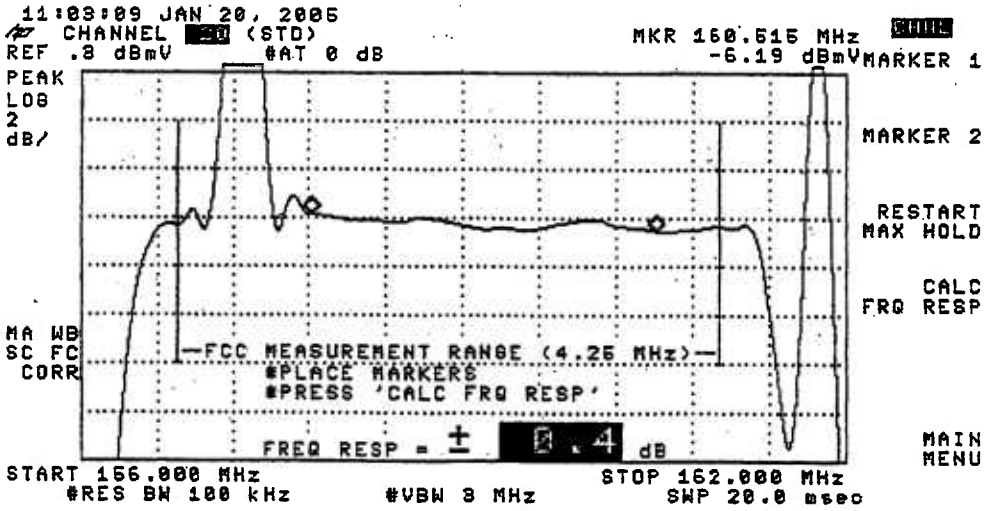
Performed By : Rodney Levesque

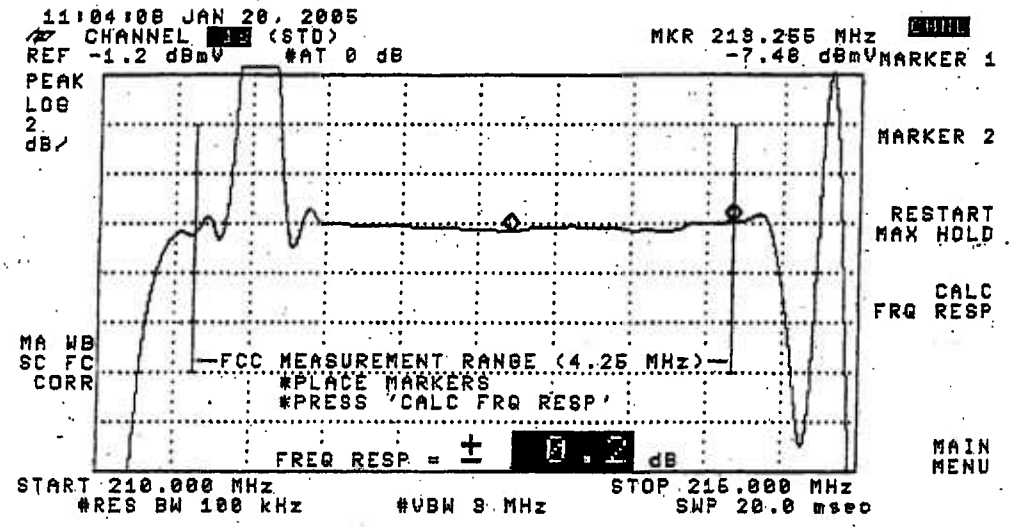
Location : County Route 11 / Parish

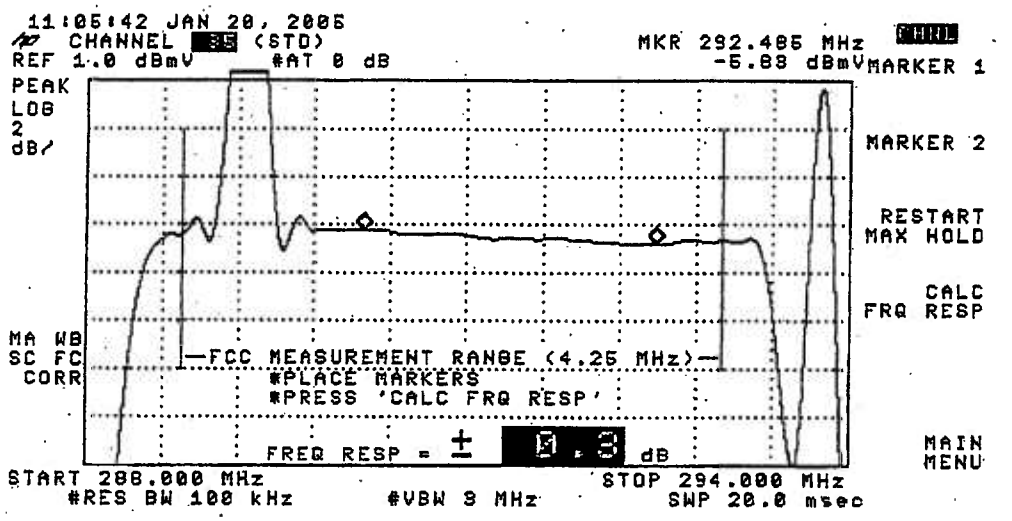
(SEE THE ATTACHED SWEEP TRACES)

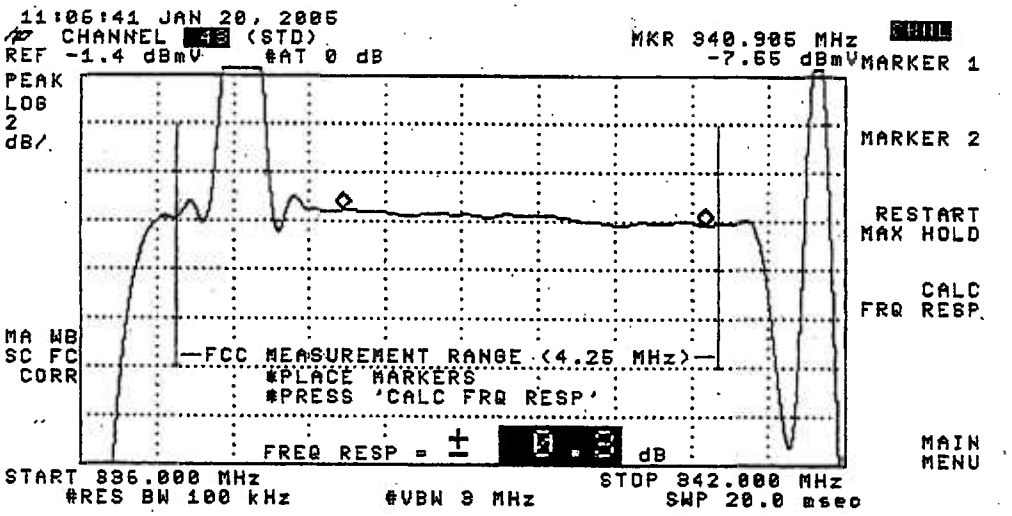

11:00:30 JAN 20, 2005
CHANNEL (STD)
REF -1.1 dBmV #AT 0 dB
MKR 70.995 MHz
-7.64 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
START 66.000 MHz
STOP 72.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec

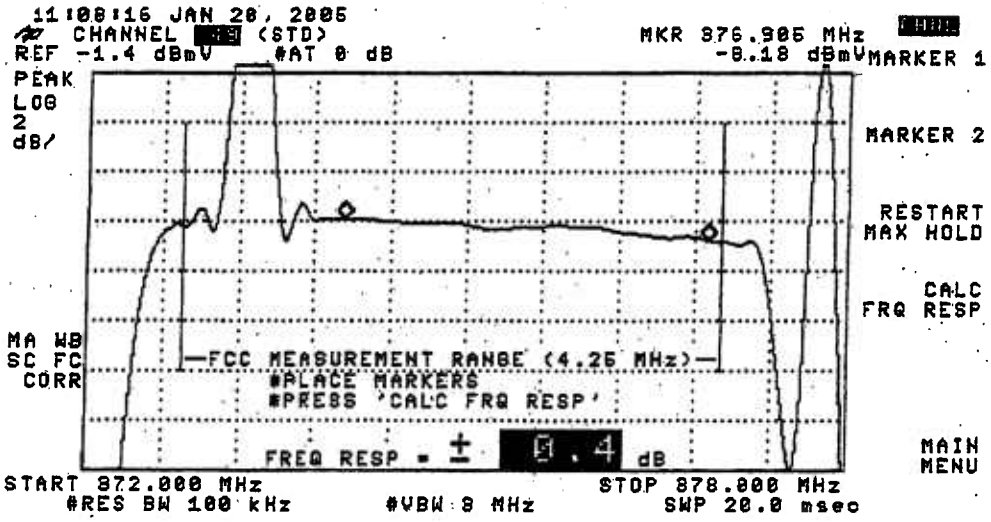

11:02:12 JAN 20, 2005
CHANNEL (STD)
REF .5 dBmV #AT 0 dB
MKR 124.575 MHz
-6.26 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
START 120.000 MHz
STOP 126.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec

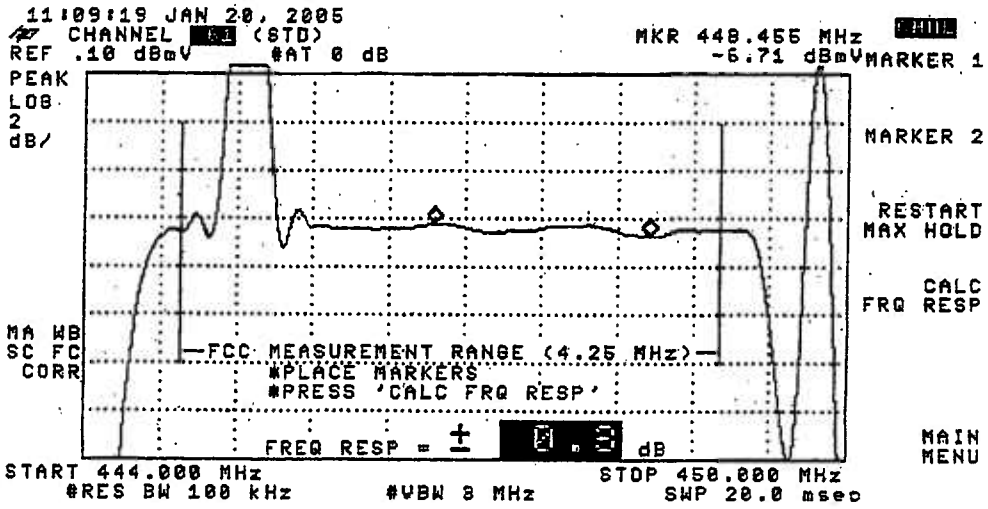

11:03:09 JAN 20, 2005
CHANNEL (STD)
REF .8 dBmV #AT 0 dB
MKR 160.615 MHz
-6.19 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 156.000 MHz
STOP 162.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec

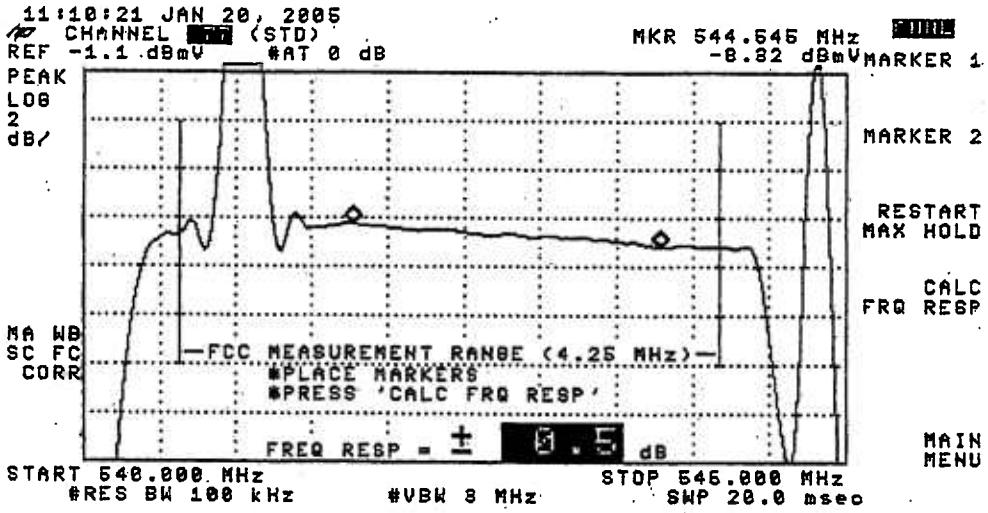

11:04:08 JAN 20, 2005
CHANNEL (STD)
REF -1.2 dBmV
#AT 0 dB
MKR 218.255 MHz
-7.48 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 210.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 216.000 MHz
SWP 20.0 msec

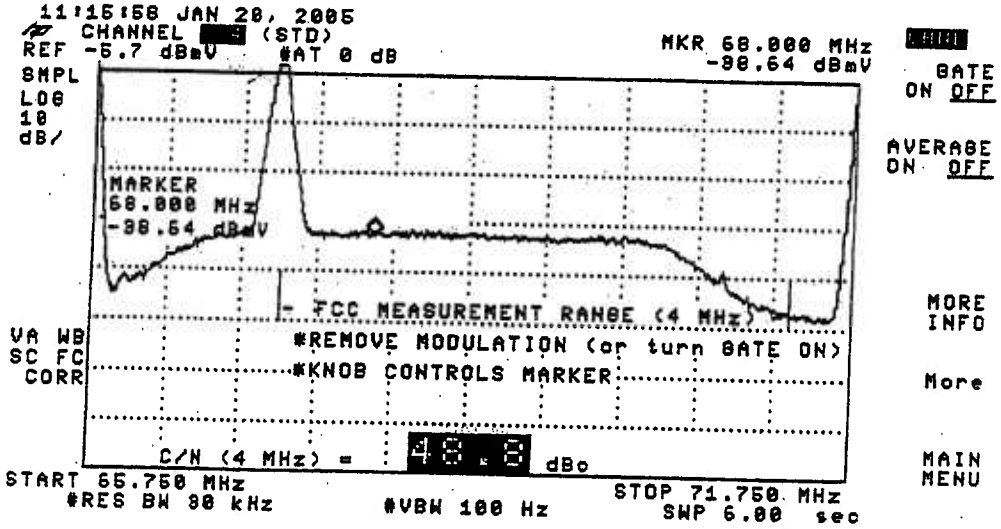

11:05:42 JAN 20, 2005
CHANNEL (STD)
REF 1.0 dBmV
#AT 0 dB
MKR 292.485 MHz
-5.83 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 288.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 294.000 MHz
SWP 20.0 msec

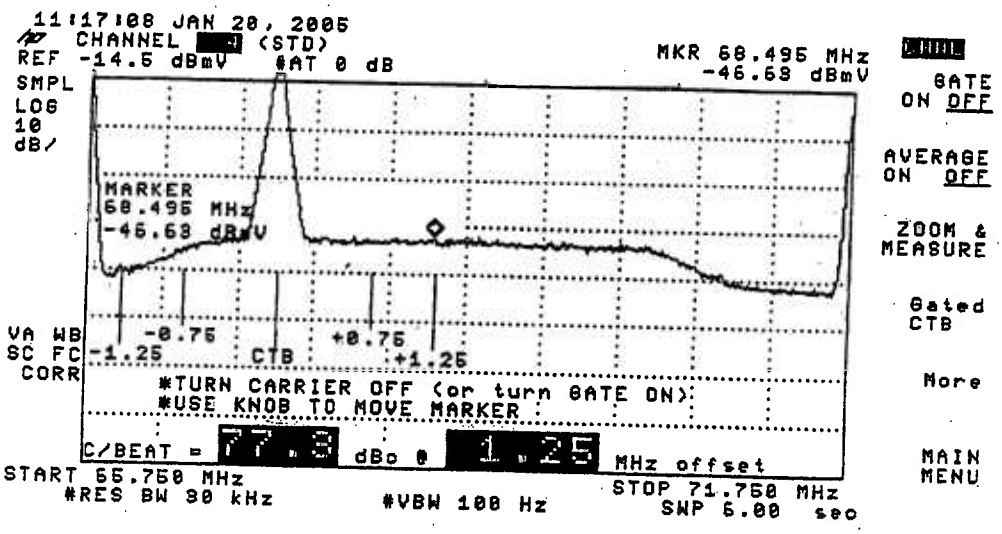

11:06:41 JAN 20, 2005
CHANNEL (STD)
REF -1.4 dBmV
#AT 0 dB
MKR 840.905 MHz
-7.55 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 836.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 842.000 MHz
SWP 20.0 msec

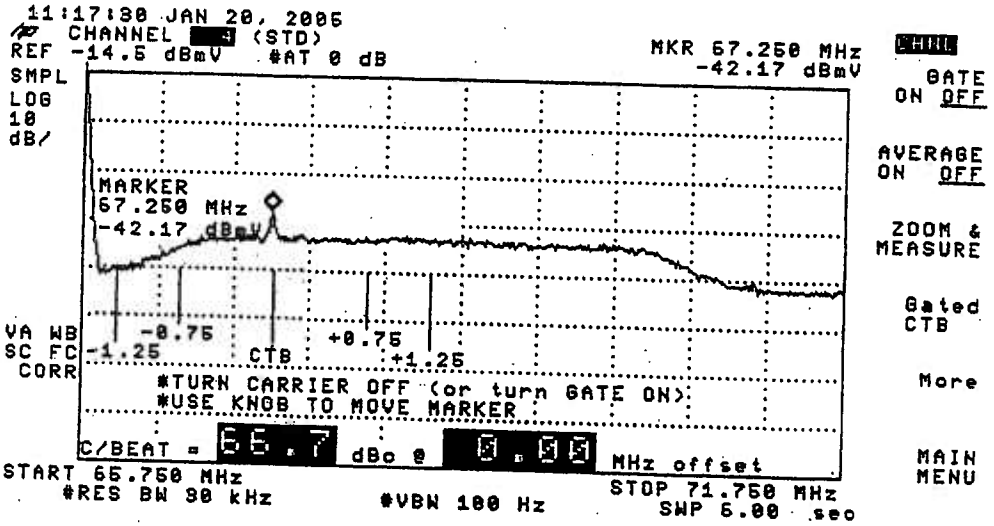

11:08:16 JAN 20, 2005
CHANNEL (STD)
REF -1.4 dBmV
#AT 0 dB
MKR 876.905 MHz
-8.18 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 872.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 878.000 MHz
SWP 20.0 msec

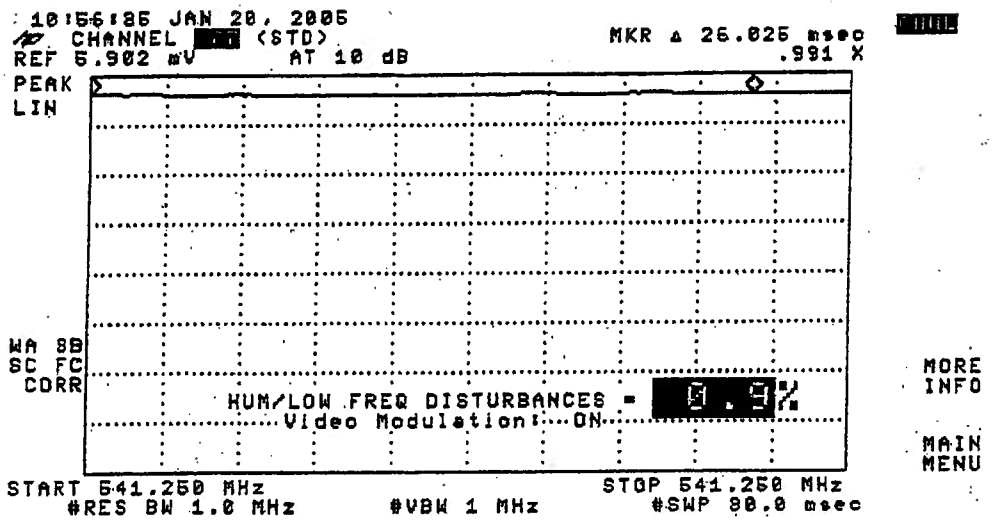

11:09:19 JAN 20, 2005
CHANNEL (STD)
REF .10 dBmV
#AT 0 dB
MKR 448.455 MHz
-6.71 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 444.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 450.000 MHz
SWP 20.0 msec


11:10:21 JAN 20, 2005
CHANNEL (STD)
REF -1.1 dBmV
#AT 0 dB
MKR 544.545 MHz
-8.32 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 = ± 0.5 dB
MAIN
MENU
START 540.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 546.000 MHz
SWP 20.0 msec


11:15:58 JAN 20, 2005
CHANNEL (STD)
REF -5.7 dBmV
#AT 0 dB
MKR 68.000 MHz
-38.64 dBmV
SMPL
LOG
10
dB/
MARKER
68.000 MHz
-38.64 dBmV
FCC MEASUREMENT RANGE (4 MHz)
VA WB
SC FC
CORR
#REMOVE MODULATION (or turn GATE ON)
#KNOB CONTROLS MARKER
C/N (4 MHz) = 48.8 dBc
START 65.750 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 71.750 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
MORE
INFO
More
MAIN
MENU


11:17:08 JAN 20, 2005
CHANNEL (STD)
REF -14.5 dBmV
#AT 0 dB
MKR 68.495 MHz
-46.63 dBmV
SMPL
LOG
10
dB/
MARKER
68.495 MHz
-46.63 dBmV
-0.75
+0.75
-1.25
CTB
+1.25
VA WB
SC FC
CORR
#TURN CARRIER OFF (or turn GATE ON)
#USE KNOB TO MOVE MARKER
C/BEAT = 77.8 dBc @ 1.25 MHz offset
START 65.750 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 71.750 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
Gated
CTB
More
MAIN
MENU


11:17:30 JAN 20, 2005
CHANNEL (STD)
REF -14.5 dBmV
#AT 0 dB
MKR 67.250 MHz
-42.17 dBmV
SMPL
LOG
10
dB/
MARKER
67.250 MHz
-42.17 dBmV
-0.75
+0.75
-1.25
CTB
+1.25
VA WB
SC FC
CORR
#TURN CARRIER OFF (or turn GATE ON)
#USE KNOB TO MOVE MARKER
C/BEAT = 66.7 dBc @ 0.00 MHz offset
START 65.750 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 71.750 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
Gated
CTB
More
MAIN
MENU


10:56:35 JAN 20, 2005
CHANNEL [redacted] (STD)
REF 5.902 mV
AT 10 dB
MKR Δ 26.025 msec
.991 X
PEAK
LIN
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = 0.9%
Video Modulation: ON
MORE INFO
MAIN MENU
START 541.250 MHz
#RES BW 1.0 MHz
#VBW 1 MHz
STOP 541.250 MHz
#SWP 80.0 msec

TESTPOINT 1, PAGE 5

TIME WARNER CABLE - SYRACUSE DIVISION

VISUAL CARRIER LEVEL VARIATION TEST

System Name	: Syracuse	***Test Location***	: County Route 11 / Parish
Date	: 01/13/2005	***Performed By***	: M. Johnson
Meter Serial Number	: US39234376		

		TEMP F							TEMP F				
		64.40	64.94	65.12	66.20				64.40	64.94	65.12	66.20	
		TIME							TIME				
		06:00:00	12:00:00	18:03:00	00:04:00				06:00:00	12:00:00	18:03:00	00:04:00	
CHAN	FREQ (MHZ)	VISUAL LEVEL (DBMV)				MAX VAR	CHAN	FREQ (MHZ)	VISUAL LEVEL (DBMV)				MAX VAR
2	55.2500	13.70	13.40	13.50	13.40	0.3	DD (40)	319.2625	15.200	16.000	15.200	14.800	1.2
3	61.2500	14.90	14.80	14.60	14.70	0.3	EE (41)	325.2625	14.500	15.200	14.600	14.200	1
4	67.2500	14.20	14.10	13.80	14.10	0.4	FF (42)	331.2750	14.200	15.100	14.200	14.200	0.9
5	77.2500	14.30	14.60	14.00	14.30	0.6	GG (43)	337.2625	14.300	15.100	14.400	14.100	1
6	83.2500	14.30	14.00	13.80	14.20	0.5	HH (44)	343.2625	14.100	15.100	14.300	14.000	1.1
A-5 (95)	91.2500						II (45)	349.2625	14.300	14.900	14.300	13.700	1.2
A-4 (96)	97.2500	15.40	15.60	15.30	15.30	0.3	JJ (46)	355.2625	14.500	15.100	14.500	14.300	0.8
[illegible] (97)	103.2500						KK (47)	361.2625	14.400	14.900	14.200	14.200	0.7
[illegible] (98)	109.2750						LL (48)	367.2625	13.900	14.500	13.900	13.600	0.9
[illegible] (99)	115.2750	15.70	15.90	15.40	15.60	0.5	MM (49)	373.2625	14.000	14.600	13.900	13.600	1
A (14)	121.2625	16.30	16.20	15.90	15.60	0.7	NN (50)	379.2625	13.300	14.100	13.600	13.700	0.8
B (15)	127.2625	15.40	15.70	15.20	15.20	0.5	OO (51)	385.2625	13.700	14.000	13.700	13.600	0.4
C (16)	133.2625	15.70	15.90	15.30	15.20	0.7	PP (52)	391.2625	13.800	14.300	13.800	13.900	0.5
D (17)	139.2500	15.70	15.80	15.30	15.30	0.5	QQ (53)	397.2625	14.100	14.300	14.100	14.000	0.3
E (18)	145.2500	16.60	16.70	16.40	16.50	0.3	RR (54)	403.2500	14.000	14.700	14.400	14.200	0.7
F (19)	151.3210	16.40	16.90	16.70	16.30	0.6	SS (55)	409.2500	13.800	14.200	13.900	13.800	0.4
G (20)	157.2500	15.60	16.40	16.20	15.90	0.8	TT (56)	415.2500	12.900	13.300	13.400	13.000	0.5
H (21)	163.2500	17.90	17.90	17.20	17.10	0.8	UU (57)	421.2500	12.700	13.300	13.100	12.900	0.6
I (22)	169.2500	17.60	18.20	17.80	18.00	0.6	VV (58)	427.2500	12.800	13.500	13.300	13.400	0.7
7	175.2500	17.20	17.70	17.60	17.30	0.5	WW (59)	433.2500	12.700	13.600	13.600	13.400	0.9
8	181.2500	16.80	17.40	17.20	17.00	0.6	XX (60)	439.2500	13.300	14.300	14.300	14.100	1
9	187.2500	16.70	16.90	16.50	16.70	0.4	YY (61)	445.2500	14.200	15.000	14.900	14.500	0.8
10	193.2500	15.80	16.30	16.20	16.20	0.5	ZZ (62)	451.2500	14.900	15.900	15.500	15.300	1
11	199.2500	15.30	15.50	16.00	15.60	0.7	63	457.2500	15.100	16.000	15.700	15.500	0.9
12	205.2500	14.90	15.40	15.60	15.30	0.7	64	463.2500	15.300	15.900	15.900	15.600	0.6
13	211.2500	15.50	15.70	15.60	15.50	0.2	65	469.2500	14.500	15.300	14.800	14.600	0.8
J (23)	217.2500	15.50	15.60	15.90	15.50	0.4	66	475.2500	14.300	15.000	14.700	14.200	0.8
K (24)	223.2500	15.80	16.00	15.80	15.60	0.4	67	481.2500	14.200	14.700	14.900	14.200	0.7
L (25)	229.2625	15.70	16.10	15.30	15.10	1	68	487.2500	14.200	14.900	14.500	14.400	0.7
[illegible] (26)	235.2625	16.10	16.20	16.40	16.40	0.3	69	493.2500	13.900	14.900	14.500	14.000	1
[illegible]	241.2625	16.50	16.70	16.10	16.40	0.6	70	499.2500	14.100	14.900	14.300	14.300	0.8
[illegible] (28)	247.2625	17.00	17.40	17.00	16.20	1.2	71	505.2500	14.400	15.400	14.200	14.000	1.4
P (29)	253.2625	16.70	17.20	16.70	16.70	0.5	72	511.2500	14.100	15.100	14.500	14.400	1
Q (30)	259.2625	16.40	16.80	16.50	16.30	0.5	73	517.2500	13.300	14.900	14.000	14.100	1.6
R (31)	265.2625	16.40	17.10	16.80	16.50	0.7	74	523.2500	14.000	15.000	14.300	14.200	1
S (32)	271.2625	16.30	16.70	16.30	15.70	1	75	529.2500	13.600	14.800	14.200	14.200	1.2
T (33)	277.2625	15.80	16.30	15.90	15.50	0.8	76	535.2500	13.500	14.600	13.800	14.000	1.1
U (34)	283.2625	16.20	16.90	16.40	15.90	1	77	541.2500	13.700	15.100	14.300	14.100	1.4
V (35)	289.2625	15.50	16.40	16.00	15.40	1	78	547.2500	14.300	15.400	14.700	14.700	1.1
W (36)	295.2625	15.60	16.10	15.70	15.50	0.6	79	553.2500					
AA (37)	301.2625	15.60	16.20	15.80	15.40	0.8	80	559.2500	14.800	15.900	15.000	15.400	1.1
BB (38)	307.2625	15.50	16.00	15.70	15.20	0.8	81	565.2500					
CC (39)	313.2625	15.10	15.70	15.40	15.00	0.7							

Max Non Adjacent Channel Level Diff	:- 5.2
Max Adjacent Channel Level Diff	:- 2.3
Max Variance from last proof of performance test	:- N/A
Date of last proof of performance test	:- N/A

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

TESTPOINT 2, PAGE 1

TIME WARNER CABLE - SYRACUSE DIVISION

System Name	:	Syracuse
System Test Point #	:	2
Hub Name	:	Mapleview Hub
Location	:	104 State Route 11 / Hastings
Map Number	:	332-5772
Pole Number	:	Pole # 104
D.T. Value	:	17/2
OR Number	:	1311
GNA Cascade	:	Node + 7
LE Cscade	:	0

TESTPOINT 2, PAGE 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	: Syracuse	**Test Location**	: 104 State Route 11 / Hastings
Date	: 01/13/2005	**Time**	: 06:13:00

CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)	CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)
2	55.2500	14.60	0.50		14.1	DD (40)	319.2625	14.30	0		14.3
3	61.2500	15.20	0.30		14.9	EE (41)	325.2625	13.80	-1.10		14.9
4	67.2500	14.60	0.30		14.3	FF (42)	331.2750	13.60	-0.90		14.5
5	77.2500	15.00	-0.40		15.4	GG (43)	337.2625	13.50	-1.00		14.5
6	83.2500	14.30	0.20		14.1	HH (44)	343.2625	13.30	-1.00		14.3
A-5 (95)	91.2500	N/A	N/A		N/A	II (45)	349.2625	13.40	-1.40		14.8
A-4 (96)	97.2500	14.90	0.10		14.8	JJ (46)	355.2625	13.40	-1.40		14.8
A-3 (97)	103.2500	N/A	N/A		N/A	KK (47)	361.2625	13.10	-1.80		14.9
A-2 (98)	109.2750	N/A	N/A		N/A	LL (48)	367.2625	12.70	-2.10		14.8
[illegible] (99)	115.2750	13.30	-1.50		14.8	MM (49)	373.2625	12.50	-2.60		15.1
[illegible] (14)	121.2625	14.60	-0.70		15.3	NN (50)	379.2625	12.30	-2.10		14.4
[illegible] (15)	127.2625	14.10	-0.90		15	OO (51)	385.2625	12.50	-2.20		14.7
C (16)	133.2625	13.90	-0.80		14.7	PP (52)	391.2625	12.40	-1.70		14.1
D (17)	139.2500	12.80	-0.80		13.6	QQ (53)	397.2625	12.70	-1.90		14.6
E (18)	145.2500	13.50	-1.50		15	RR (54)	403.2500	12.80	-1.80		14.6
F (19)	151.3210	14.10	-0.70		14.8	SS (55)	409.2500	13.00	-2.30		15.3
G (20)	157.2500	13.30	-0.90		14.2	TT (56)	415.2500	12.30	-3.00		15.3
H (21)	163.2500	13.70	-0.50		14.2	UU (57)	421.2500	12.00	-2.70		14.7
I (22)	169.2500	14.50	1.50		13	VV (58)	427.2500	12.40	-1.70		14.1
7	175.2500	15.80	1.80		14	WW (59)	433.2500	12.40	-2.20		14.6
8	181.2500	15.50	1.20		14.3	XX (60)	439.2500	12.20	-1.50		13.7
9	187.2500	15.60	0		15.6	YY (61)	445.2500	12.80	-1.20		14
10	193.2500	14.80	-0.30		15.1	ZZ (62)	451.2500	13.50	-0.40		13.9
11	199.2500	14.60	-0.50		15.1	63	457.2500	13.80	-0.30		14.1
12	205.2500	13.40	-1.10		14.5	64	463.2500	14.20	-0.30		14.5
13	211.2500	13.10	-2.40		15.5	65	469.2500	13.60	-0.30		13.9
J (23)	217.2500	12.90	-1.90		14.8	66	475.2500	13.80	-0.40		14.2
K (24)	223.2500	12.80	-1.80		14.6	67	481.2500	14.30	-0.90		15.2
L (25)	229.2625	13.00	-1.50		14.5	68	487.2500	14.40	0		14.4
M (26)	235.2625	13.00	-1.00		14	69	493.2500	14.70	0		14.7
N (27)	241.2625	13.70	-0.50		14.2	70	499.2500	14.30	0		14.3
[illegible] (28)	247.2625	13.80	-0.80		14.6	71	505.2500	14.80	-0.30		15.1
[illegible] (29)	253.2625	14.00	-0.60		14.6	72	511.2500	14.50	-0.20		14.7
[illegible] (30)	259.2625	12.80	-1.80		14.6	73	517.2500	13.60	-0.30		13.9
R (31)	265.2625	13.80	-1.10		14.9	74	523.2500	14.50	-0.30		14.8
S (32)	271.2625	14.20	0.20		14	75	529.2500	14.50	0		14.5
T (33)	277.2625	13.80	-0.30		14.1	76	535.2500	14.20	-0.20		14.4
U (34)	283.2625	14.10	0		14.1	77	541.2500	14.00	-0.20		14.2
V (35)	289.2625	13.80	-1.10		14.9	78	547.2500	14.70	-0.20		14.9
W (36)	295.2625	13.90	-0.60		14.5	79	553.2500	N/A	N/A		N/A
AA (37)	301.2625	13.90	0		13.9	80	559.2500	14.80	0		14.8
BB (38)	307.2625	13.90	-0.10		14	81	565.2500	N/A	N/A		N/A
CC (39)	313.2625	13.80	0		13.8						

Min Channel	:	UU(57)	12.000
Max Channel	:	7	15.800
Peak to Valley	:	3.8	

TESTPOINT 2, PAGE 3

TIME WARNER CABLE - SYRACUSE DIVISION

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

System Name : Syracuse ***Date*** : 1/20/2005

Performed By : Rodney Levesque

ation : 104 State Route 11 / Hastings

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

CHANNEL NUMBER	IN CHANNEL RESPONSE	CARRIER TO NOISE RATIO	DISTORTIONS	CSO	HUM
	(+/- DB)	(DB)	(-DBC) CTB		(%)
4	0.4	47.9	68.9	75.5	
14	0.4	47.7	64.5	77.8	
20	0.3	47.6	68.7	77.6	
13	0.4	48.3	67.4	75.4	
35	0.4	48.4	63.6	72.9	
43	0.3	47.8	65.3	70.2	
49	0.5	47.6	65.7	72.6	
61	0.2	47.3	62.4	68.8	
77	0.5	47.4	66.2	66.0	0.8

TESTPOINT 2, PAGE 4

TIME WARNER CABLE - SYRACUSE DIVISION

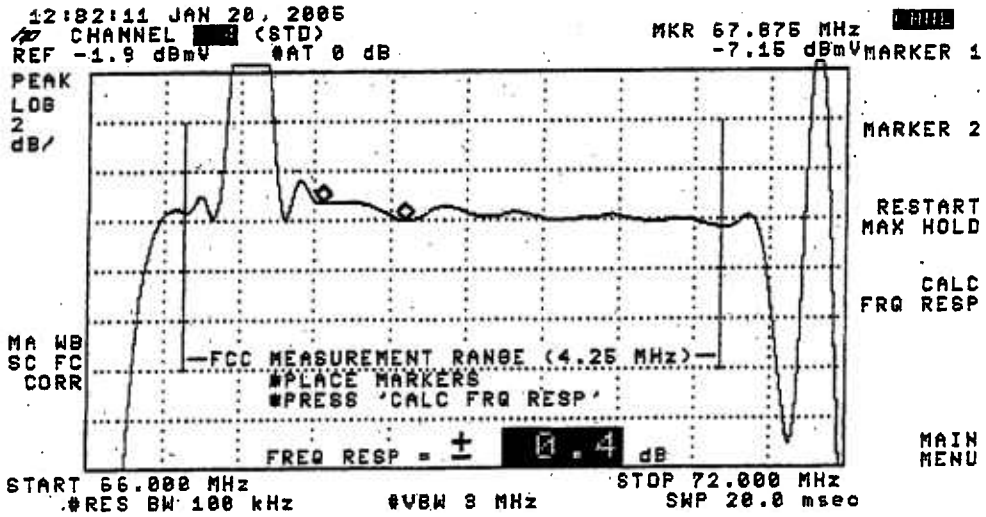
IN CHANNEL FREQUENCY RESPONSE TEST
(76.605) (a) (6)

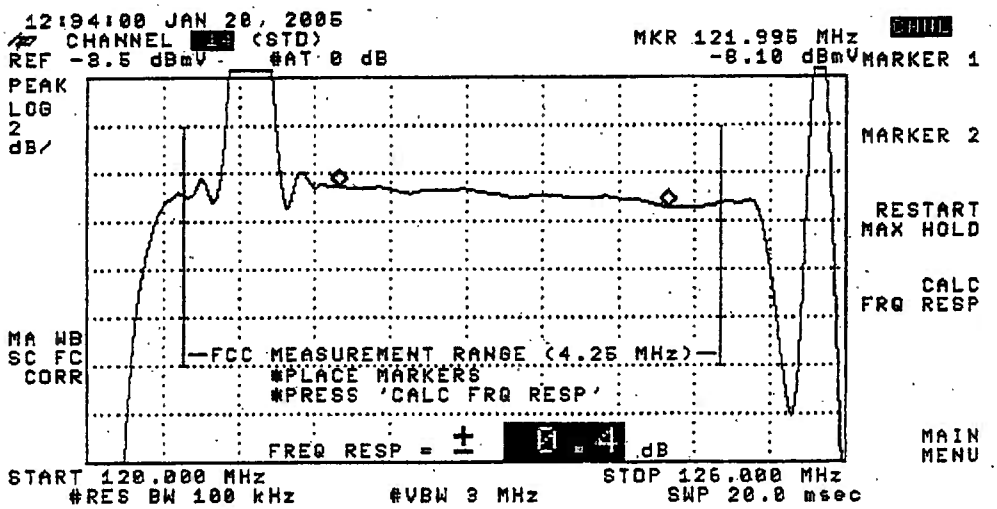
System Name : Syracuse ***Date*** : 1/20/2005

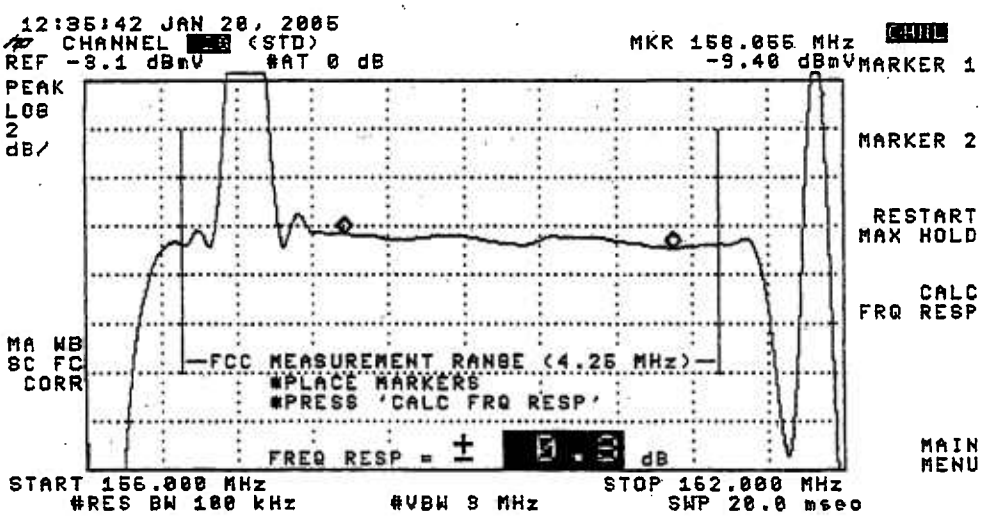
Performed By : R.Levesque

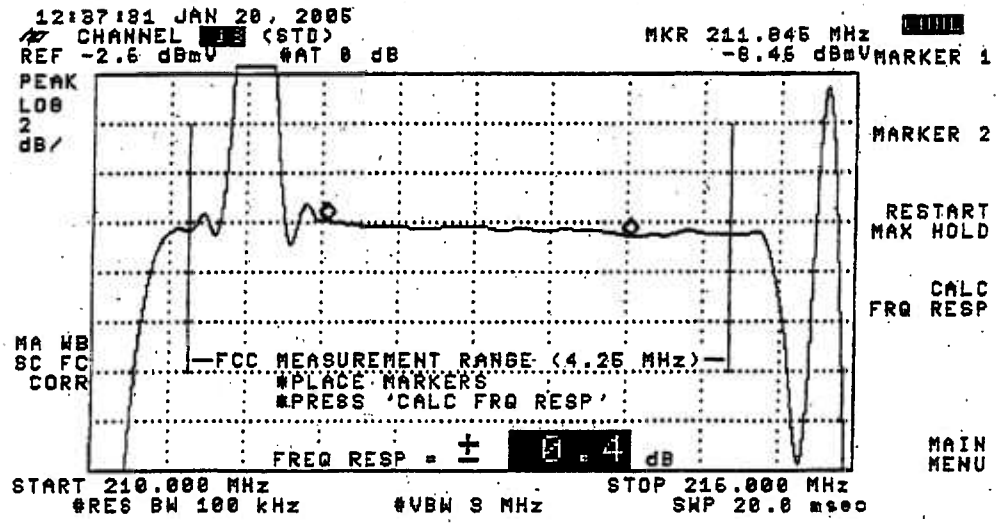
Location : 104 State Route 11 / Hastings

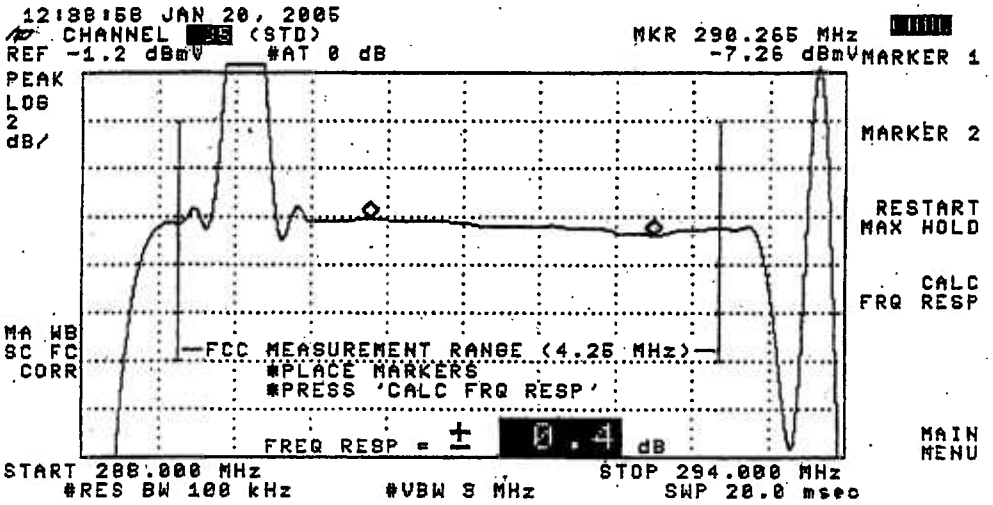
(SEE THE ATTACHED SWEEP TRACES)

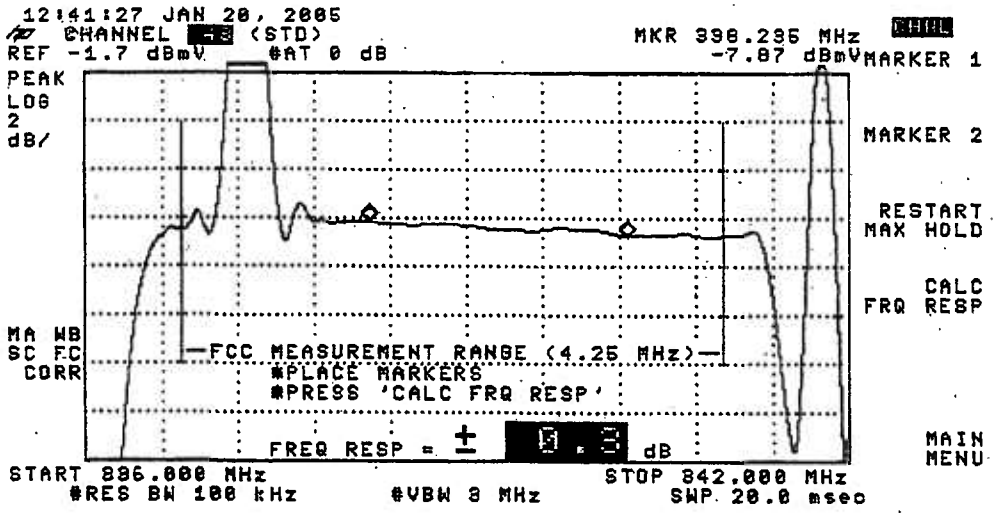

12:02:11 JAN 20, 2005
CHANNEL [redacted] (STD)
REF -1.9 dBmV #AT 0 dB
MKR 67.875 MHz
-7.15 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 66.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 72.000 MHz
SWP 20.0 msec

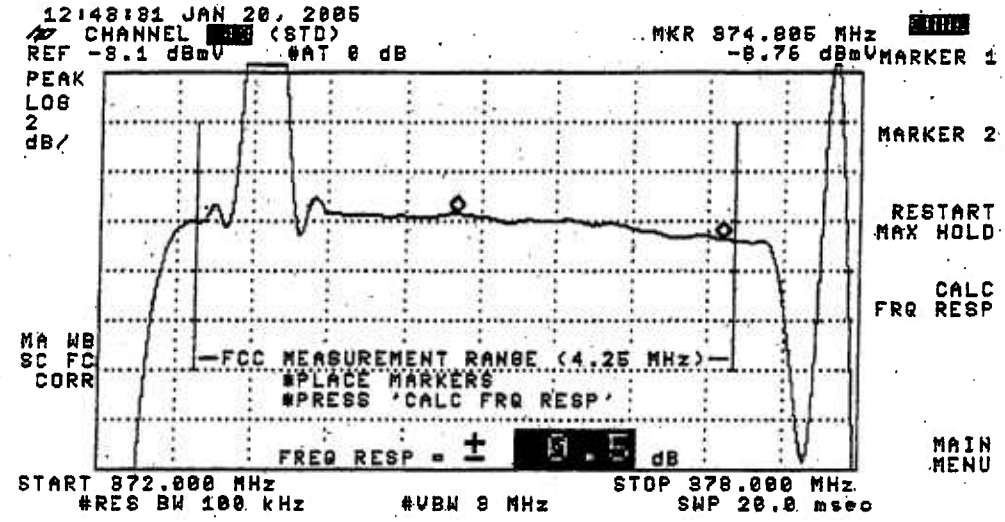

12:04:00 JAN 20, 2005
CHANNEL [redacted] (STD)
REF -3.5 dBmV #AT 0 dB
MKR 121.995 MHz
-8.10 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 120.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 126.000 MHz
SWP 20.0 msec

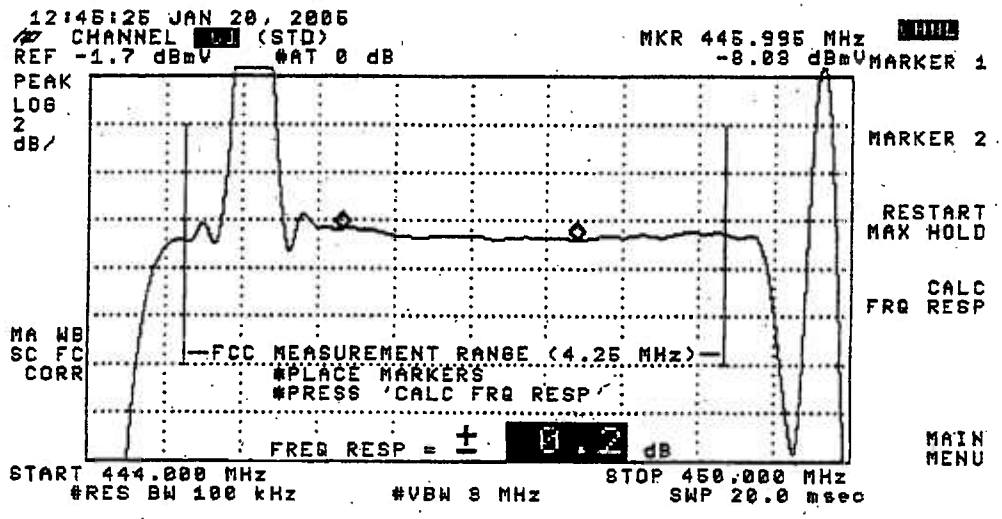

12:35:42 JAN 20, 2005
CHANNEL [redacted] (STD)
REF -3.1 dBmV #AT 0 dB
MKR 158.055 MHz
-9.40 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 156.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 162.000 MHz
SWP 20.0 msec

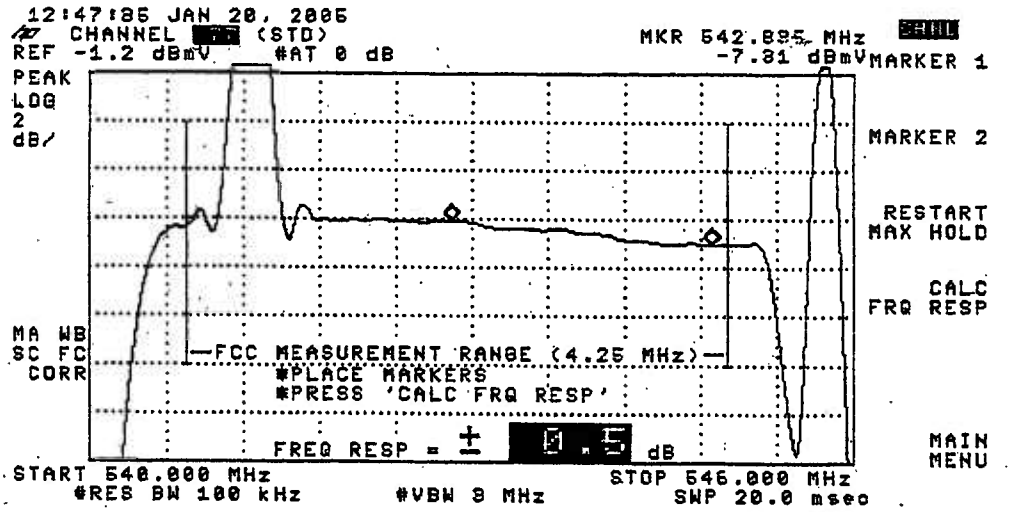

12:37:31 JAN 20, 2005
CHANNEL (STD)
REF -2.6 dBmV
#AT 0 dB
MKR 211.845 MHz
-8.45 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 210.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 216.000 MHz
SWP 20.0 msec

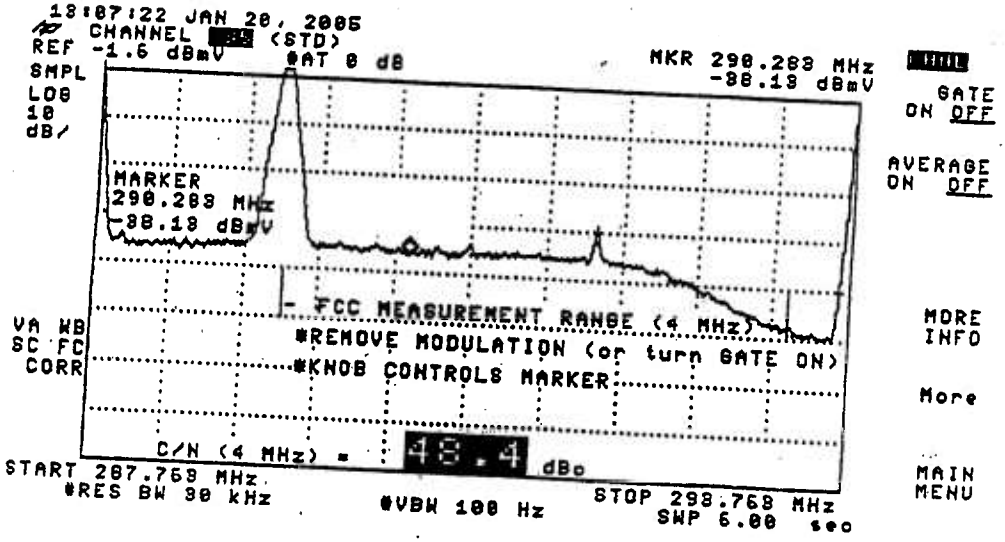

12:38:58 JAN 20, 2005
CHANNEL (STD)
REF -1.2 dBmV
#AT 0 dB
MKR 290.265 MHz
-7.26 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 288.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 294.000 MHz
SWP 20.0 msec

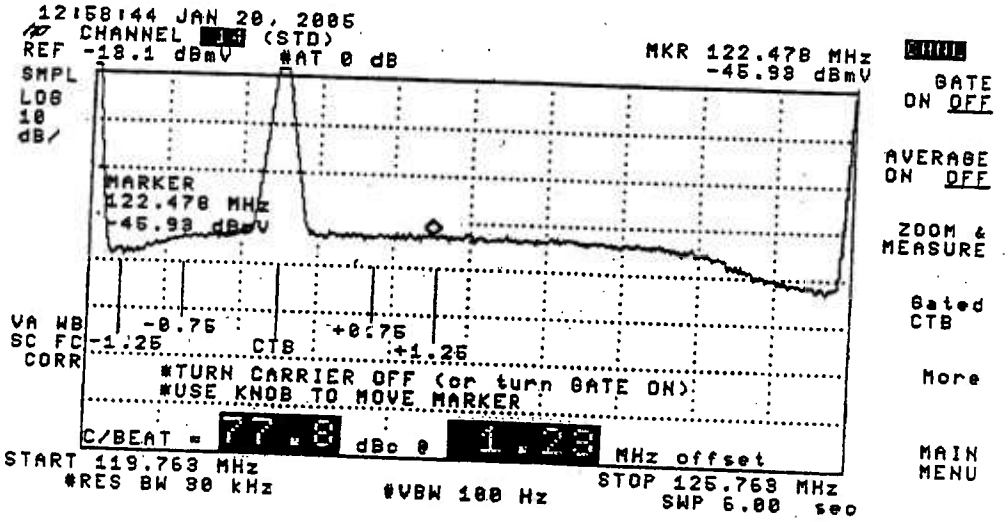

12:41:27 JAN 20, 2005
CHANNEL (STD)
REF -1.7 dBmV
#AT 0 dB
MKR 398.235 MHz
-7.87 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 836.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 842.000 MHz
SWP 20.0 msec

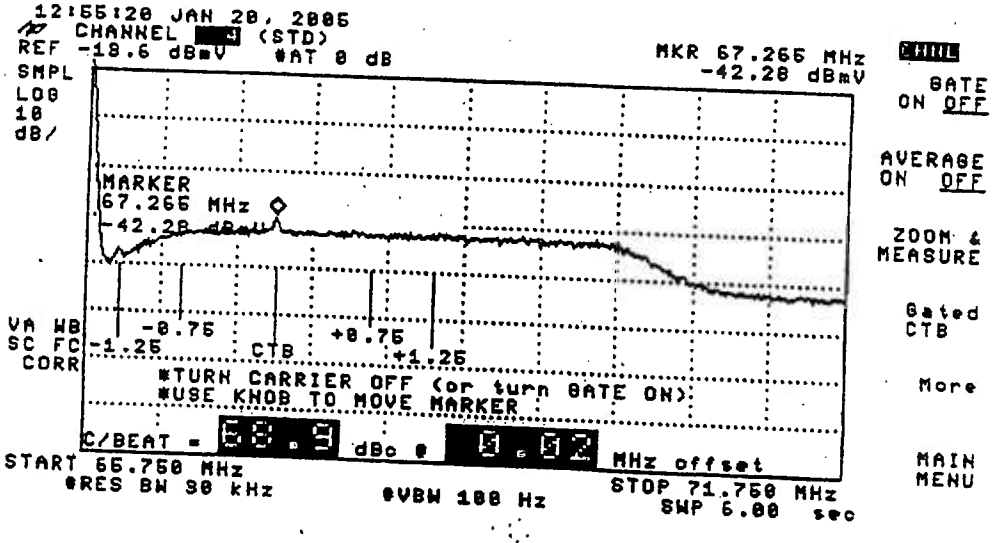

12:48:01 JAN 20, 2005
CHANNEL (STD)
REF -8.1 dBmV
#AT 0 dB
MKR 874.005 MHz
-8.76 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
START 872.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 878.000 MHz
SWP 20.0 msec

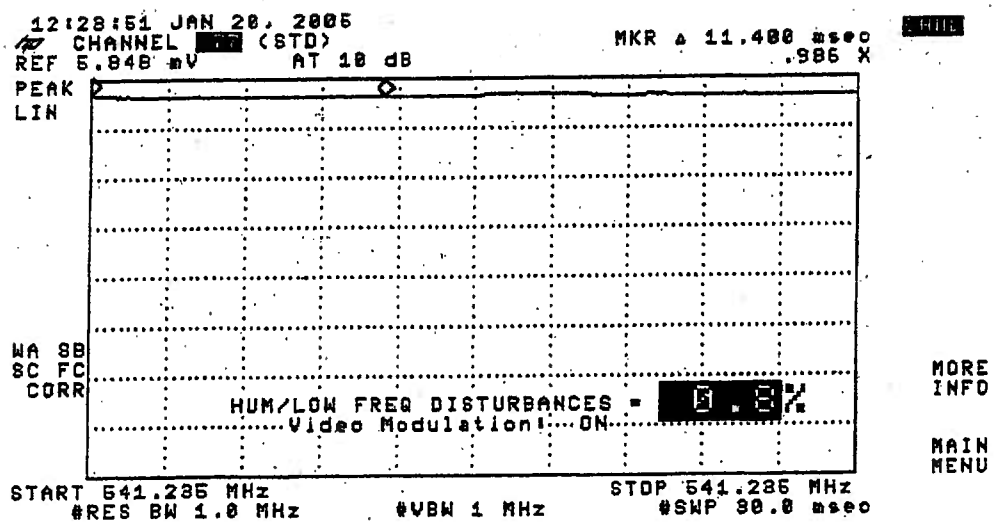

12:46:25 JAN 20, 2005
CHANNEL (STD)
REF -1.7 dBmV
#AT 0 dB
MKR 445.995 MHz
-8.03 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 444.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 450.000 MHz
SWP 20.0 msec


12:47:35 JAN 20, 2005
CHANNEL (STD)
REF -1.2 dBmV
#AT 0 dB
MKR 542.895 MHz
-7.31 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 = ± 0.5 dB
MAIN
MENU
START 540.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 546.000 MHz
SWP 20.0 msec


18:07:22 JAN 20, 2005
CHANNEL (STD)
REF -1.6 dBmV
#AT 0 dB
MKR 290.283 MHz
-38.13 dBmV
SMPL
LOG
10
dB/
MARKER
290.283 MHz
-38.13 dBmV
FCC MEASUREMENT RANGE (4 MHz)
VA WB
SC FC
CORR
#REMOVE MODULATION (or turn GATE ON)
#KNOB CONTROLS MARKER
C/N (4 MHz) = 48.4 dBc
START 287.763 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 293.763 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
MORE
INFO
More
MAIN
MENU


12:58:44 JAN 20, 2005
CHANNEL (STD)
REF -18.1 dBmV
#AT 0 dB
MKR 122.478 MHz
-45.93 dBmV
SMPL
LOG
10
dB/
MARKER
122.478 MHz
-45.93 dBmV
VA WB
SC FC
CORR
-0.75
-1.25
CTB
+0.75
+1.25
#TURN CARRIER OFF (or turn GATE ON)
#USE KNOB TO MOVE MARKER
C/BEAT = 77.8 dBc @ 1.28 MHz offset
START 119.763 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 125.763 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
Gated
CTB
More
MAIN
MENU


12:55:20 JAN 20, 2005
CHANNEL (STD)
REF -18.6 dBmV
#AT 0 dB
MKR 67.266 MHz
-42.28 dBmV
SMPL
LOG
10
dB/
MARKER
67.266 MHz
-42.28 dBmV
VA WB
SC FC
CORR
-0.75
-1.25
CTB
+0.75
+1.25
#TURN CARRIER OFF (or turn GATE ON)
#USE KNOB TO MOVE MARKER
C/BEAT = 68.9 dBc @ 0.02 MHz offset
START 65.750 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 71.750 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
Gated
CTB
More
MAIN
MENU


12:28:51 JAN 20, 2005
CHANNEL (STD)
REF 5.848 mV
AT 10 dB
MKR Δ 11.400 msec
.986 X
PEAK
LIN
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = 0.8%
Video Modulation: ON
MORE
INFO
MAIN
MENU
START 541.285 MHz
#RES BW 1.0 MHz
#VBW 1 MHz
STOP 541.285 MHz
#SWP 90.0 msec

TESTPOINT 2, PAGE 5

TIME WARNER CABLE - SYRACUSE DIVISION

VISUAL CARRIER LEVEL VARIATION TEST

System Name	: Syracuse	***Test Location***	: 104 State Route 11 / Hastings
Date	: 01/13/2005	***Performed By***	: M. Johnson
Meter Serial Number	: US39234376		

		TEMP F							TEMP F				
		65.48	64.58	65.66	64.40				65.48	64.58	65.66	64.40	
		TIME							TIME				
		06:13:00	12:13:00	18:15:00	00:18:00				06:13:00	12:13:00	18:15:00	00:18:00	
CHAN	FREQ (MHZ)	VISUAL LEVEL (DBMV)				MAX VAR	CHAN	FREQ (MHZ)	VISUAL LEVEL (DBMV)				MAX VAR
2	55.2500	14.60	14.20	14.00	14.10	0.6	DD (40)	319.2625	14.300	14.100	14.300	14.300	0.2
3	61.2500	15.20	15.00	15.00	15.00	0.2	EE (41)	325.2625	13.800	13.700	13.800	13.800	0.1
4	67.2500	14.60	14.50	14.60	14.30	0.3	FF (42)	331.2750	13.600	13.400	13.500	13.500	0.2
5	77.2500	15.00	14.90	14.90	14.80	0.2	GG (43)	337.2625	13.500	13.500	13.600	13.600	0.1
6	83.2500	14.30	14.20	14.40	14.30	0.2	HH (44)	343.2625	13.300	13.100	13.300	13.300	0.2
A-5 (95)	91.2500						II (45)	349.2625	13.400	13.400	13.200	13.300	0.2
A-4 (96)	97.2500	14.90	14.70	14.70	14.50	0.4	JJ (46)	355.2625	13.400	13.500	13.500	13.500	0.1
A-3 (97)	103.2500						KK (47)	361.2625	13.100	13.400	13.100	13.000	0.4
[illegible]	109.2750						LL (48)	367.2625	12.700	12.600	12.600	12.300	0.4
[illegible]	115.2750	13.30	13.20	13.20	13.20	0.1	MM (49)	373.2625	12.500	12.400	12.500	12.400	0.1
A (14)	121.2625	14.60	14.00	13.90	13.90	0.7	NN (50)	379.2625	12.300	12.100	12.400	12.300	0.3
B (15)	127.2625	14.10	13.70	13.80	13.60	0.5	OO (51)	385.2625	12.500	12.200	12.300	12.300	0.3
C (16)	133.2625	13.90	13.60	13.40	13.50	0.5	PP (52)	391.2625	12.400	12.600	12.700	12.600	0.3
D (17)	139.2500	12.80	12.10	12.40	12.50	0.7	QQ (53)	397.2625	12.700	12.600	12.700	12.700	0.1
E (18)	145.2500	13.50	13.30	13.20	13.20	0.3	RR (54)	403.2500	12.800	12.900	13.100	12.800	0.3
F (19)	151.5210	14.10	14.20	13.90	13.70	0.5	SS (55)	409.2500	13.000	12.500	13.000	12.900	0.5
G (20)	157.2500	13.30	13.50	13.40	13.40	0.2	TT (56)	415.2500	12.300	12.300	12.200	12.100	0.2
H (21)	163.2500	13.70	14.30	14.20	14.00	0.6	UU (57)	421.2500	12.000	11.600	11.600	11.500	0.5
I (22)	169.2500	14.50	15.10	14.90	14.80	0.6	VV (58)	427.2500	12.400	12.200	12.200	12.100	0.3
7	175.2500	15.80	14.60	14.50	15.00	1.3	WW (59)	433.2500	12.400	12.200	12.200	11.800	0.6
8	181.2500	15.50	15.10	15.10	15.10	0.4	XX (60)	439.2500	12.200	11.900	12.000	11.800	0.4
9	187.2500	15.60	15.00	15.10	15.30	0.6	YY (61)	445.2500	12.800	12.700	12.700	12.500	0.3
10	193.2500	14.80	14.60	14.80	14.90	0.3	ZZ (62)	451.2500	13.500	13.100	13.300	13.000	0.5
11	199.2500	14.60	14.40	14.30	14.60	0.3	63	457.2500	13.800	13.600	13.500	13.400	0.4
12	205.2500	13.40	13.80	13.60	13.60	0.4	64	463.2500	14.200	14.100	13.800	13.500	0.7
13	211.2500	13.10	13.40	13.40	13.10	0.3	65	469.2500	13.600	13.300	13.400	13.100	0.5
J (23)	217.2500	12.90	12.70	12.80	12.50	0.4	66	475.2500	13.800	13.600	13.300	13.400	0.5
K (24)	223.2500	12.80	12.90	13.00	12.60	0.4	67	481.2500	14.300	14.100	14.000	13.900	0.4
L (25)	229.2625	13.00	12.80	12.80	12.50	0.5	68	487.2500	14.400	13.900	14.000	13.900	0.5
[illegible]	235.2625	13.00	13.20	13.00	13.30	0.3	69	493.2500	14.700	14.200	14.600	14.100	0.6
[illegible]	241.2625	13.70	13.70	13.30	13.20	0.5	70	499.2500	14.300	14.200	14.400	13.900	0.5
[illegible]	247.2625	13.80	13.90	13.70	13.40	0.5	71	505.2500	14.800	14.000	14.100	13.700	1.1
P (29)	253.2625	14.00	13.10	12.70	13.10	1.3	72	511.2500	14.500	14.300	14.400	14.100	0.4
Q (30)	259.2625	12.80	12.80	12.80	12.40	0.4	73	517.2500	13.600	13.900	14.200	14.100	0.6
R (31)	265.2625	13.80	13.80	13.90	13.90	0.1	74	523.2500	14.500	14.100	14.100	13.700	0.8
S (32)	271.2625	14.20	13.90	14.00	13.70	0.5	75	529.2500	14.500	14.200	14.400	14.100	0.4
T (33)	277.2625	13.80	13.60	13.50	13.70	0.3	76	535.2500	14.200	13.700	14.000	13.800	0.5
U (34)	283.2625	14.10	14.40	14.30	14.20	0.3	77	541.2500	14.000	13.800	14.300	13.900	0.5
V (35)	289.2625	13.80	14.00	14.30	13.80	0.5	78	547.2500	14.700	14.300	14.500	14.200	0.5
W (36)	295.2625	13.90	13.90	14.20	13.90	0.3	79	553.2500					
AA (37)	301.2625	13.90	14.20	14.30	13.90	0.4	80	559.2500	14.800	14.500	14.700	14.500	0.3
BB (38)	307.2625	13.90	14.30	14.40	13.90	0.5	81	565.2500					
CC (39)	313.2625	13.80	13.90	14.10	14.00	0.3							

Max Non Adjacent Channel Level Diff	:- 3.8
Max Adjacent Channel Level Diff	:- 1.5
Max Variance from last proof of performance test	:- N/A
Date of last proof of performance test	:- N/A

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

TESTPOINT 3, PAGE 1

TIME WARNER CABLE - SYRACUSE DIVISION

System Name	:	Syracuse
System Test Point #	:	3
Hub Name	:	Fulton Hub
Location	:	217 State Route 49 / Palermo
Map Number	:	293-5740
Pole Number	:	Pole # 217
D.T. Value	:	20/4
OR Number	:	744
GNA Cascade	:	Node + 6
LE Cscade	:	0

TESTPOINT 3, PAGE 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	: Syracuse	**Test Location**	: 217 State Route 49 / Palermo
Date	: 01/13/2005	**Time**	: 06:38:00

CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)	CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)
2	55.2500	15.50	2.00		13.5	DD (40)	319.2625	16.20	1.90		14.3
3	61.2500	16.60	1.00		15.6	EE (41)	325.2625	16.10	1.40		14.7
4	67.2500	16.00	1.70		14.3	FF (42)	331.2750	16.10	1.60		14.5
5	77.2500	15.60	0.50		15.1	GG (43)	337.2625	16.60	1.50		15.1
6	83.2500	14.90	-0.10		15	HH (44)	343.2625	15.70	2.00		13.7
A-5 (95)	91.2500	N/A	N/A		N/A	II (45)	349.2625	17.30	1.80		15.5
A-4 (96)	97.2500	13.80	-0.20		14	JJ (46)	355.2625	16.40	1.90		14.5
A-3 (97)	103.2500	N/A	N/A		N/A	KK (47)	361.2625	16.80	2.20		14.6
A-2 (98)	109.2750	N/A	N/A		N/A	LL (48)	367.2625	16.70	1.30		15.4
A-1 (99)	115.2750	13.30	-0.20		13.5	MM (49)	373.2625	16.50	1.50		15
A (14)	121.2625	14.20	-0.70		14.9	NN (50)	379.2625	16.20	1.20		15
B (15)	127.2625	14.70	-0.80		15.5	OO (51)	385.2625	16.40	1.20		15.2
C (16)	133.2625	14.20	0.80		13.4	PP (52)	391.2625	15.70	1.90		13.8
D (17)	139.2500	14.30	-1.20		15.5	QQ (53)	397.2625	16.20	1.40		14.8
E (18)	145.2500	13.50	-0.50		14	RR (54)	403.2500	17.10	2.00		15.1
F (19)	151.3210	14.10	-0.40		14.5	SS (55)	409.2500	16.30	1.90		14.4
G (20)	157.2500	14.90	-0.30		15.2	TT (56)	415.2500	16.80	1.10		15.7
H (21)	163.2500	14.00	0.70		13.3	UU (57)	421.2500	16.10	1.60		14.5
I (22)	169.2500	15.10	0.70		14.4	VV (58)	427.2500	16.30	2.20		14.1
7	175.2500	15.60	0.90		14.7	WW (59)	433.2500	16.50	1.40		15.1
8	181.2500	15.60	1.70		13.9	XX (60)	439.2500	16.20	2.90		13.3
9	187.2500	15.80	0.30		15.5	YY (61)	445.2500	17.00	2.10		14.9
10	193.2500	16.30	1.90		14.4	ZZ (62)	451.2500	17.60	3.20		14.4
11	199.2500	16.30	2.00		14.3	63	457.2500	17.40	3.10		14.3
12	205.2500	16.80	1.40		15.4	64	463.2500	17.50	2.90		14.6
13	211.2500	16.20	0.90		15.3	65	469.2500	17.20	1.70		15.5
J (23)	217.2500	15.90	1.00		14.9	66	475.2500	16.00	2.60		13.4
K (24)	223.2500	16.70	0.90		15.8	67	481.2500	16.60	0.10		16.5
L (25)	229.2625	15.10	1.70		13.4	68	487.2500	16.00	1.20		14.8
M (26)	235.2625	16.10	0.70		15.4	69	493.2500	16.10	1.90		14.2
N (27)	241.2625	16.00	1.70		14.3	70	499.2500	16.80	2.70		14.1
O (28)	247.2625	16.40	2.20		14.2	71	505.2500	17.50	2.80		14.7
P (29)	253.2625	16.70	1.20		15.5	72	511.2500	17.10	2.80		14.3
Q (30)	259.2625	15.90	1.10		14.8	73	517.2500	18.20	3.30		14.9
R (31)	265.2625	16.20	0.40		15.8	74	523.2500	17.80	3.20		14.6
S (32)	271.2625	15.50	1.10		14.4	75	529.2500	17.90	4.30		13.6
T (33)	277.2625	15.40	2.00		13.4	76	535.2500	18.30	3.00		15.3
U (34)	283.2625	15.80	0.30		15.5	77	541.2500	18.40	4.00		14.4
V (35)	289.2625	14.40	-0.40		14.8	78	547.2500	18.80	3.20		15.6
W (36)	295.2625	14.40	0.60		13.8	79	553.2500	N/A	N/A		N/A
AA (37)	301.2625	15.60	0.60		15	80	559.2500	18.50	3.20		15.3
BB (38)	307.2625	15.10	1.70		13.4	81	565.2500	N/A	N/A		N/A
CC (39)	313.2625	15.70	1.70		14						

Min Channel	:	A-1(99)	13.300
Max Channel	:	78	18.800
Peak to Valley	:	5.5	

TESTPOINT 3, PAGE 3

TIME WARNER CABLE - SYRACUSE DIVISION

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

System Name : Syracuse ***Date*** : 1/20/2005

Performed By : Rodney Levesque

Location : 217 State Route 49 / Palermo

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

CHANNEL NUMBER	IN CHANNEL RESPONSE	CARRIER TO NOISE RATIO	DISTORTIONS	CSO	HUM
	(+/- DB)	(DB)	(-DBC) CTB		(%)
4	0.3	49.2	71.1	76.7	
14	0.4	47.5	71.0	76.3	
20	0.7	48.9	70.1	76.0	
13	0.4	48.2	67.7	76.5	
35	0.3	47.8	67.0	70.5	
43	0.4	48.6	65.3	70.2	
49	0.4	47.5	65.5	63.9	
60	0.3	47.2	63.1	61.9	
77	0.4	48.2	65.5	68.4	0.6

TIME WARNER CABLE - SYRACUSE DIVISION

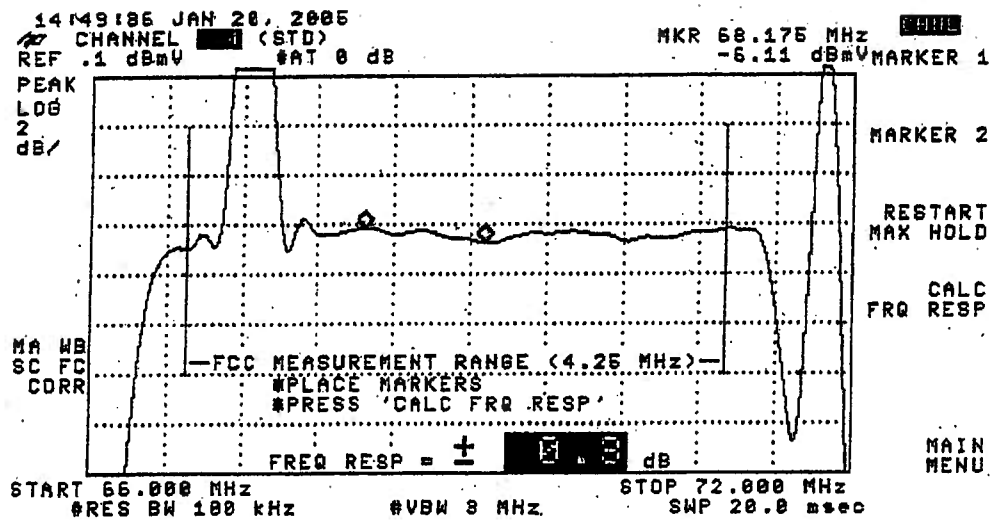
IN CHANNEL FREQUENCY RESPONSE TEST
(76.605) (a) (6)

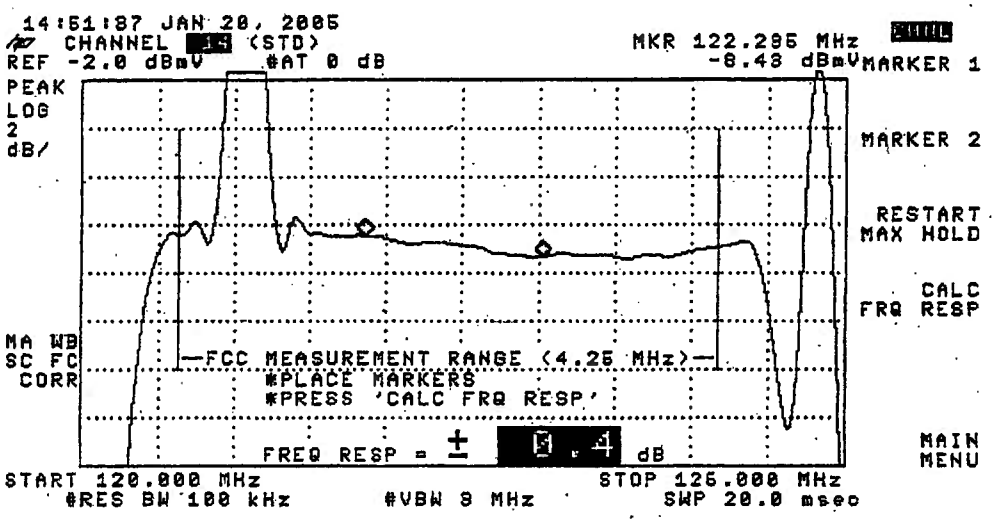
System Name : Syracuse ***Date*** : 01/20/2005

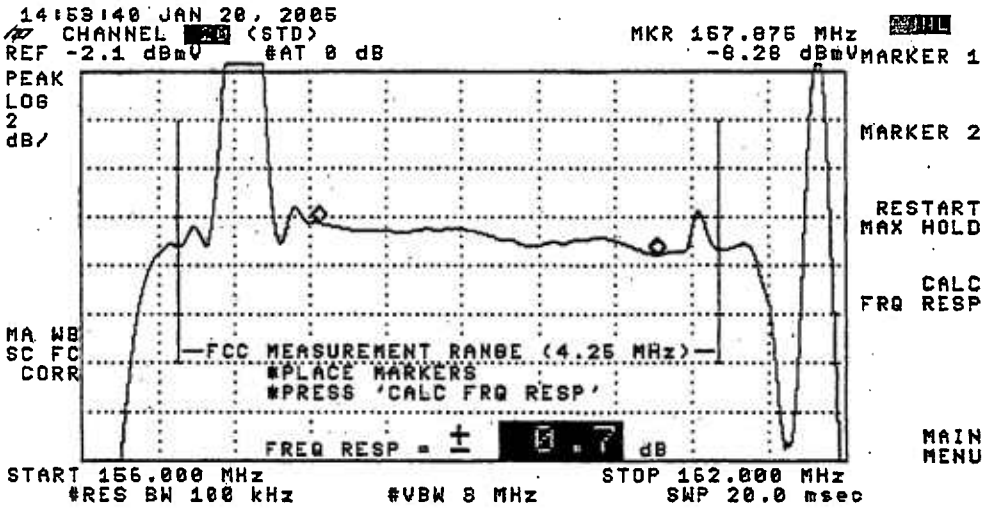
Performed By : Rodney Levesque

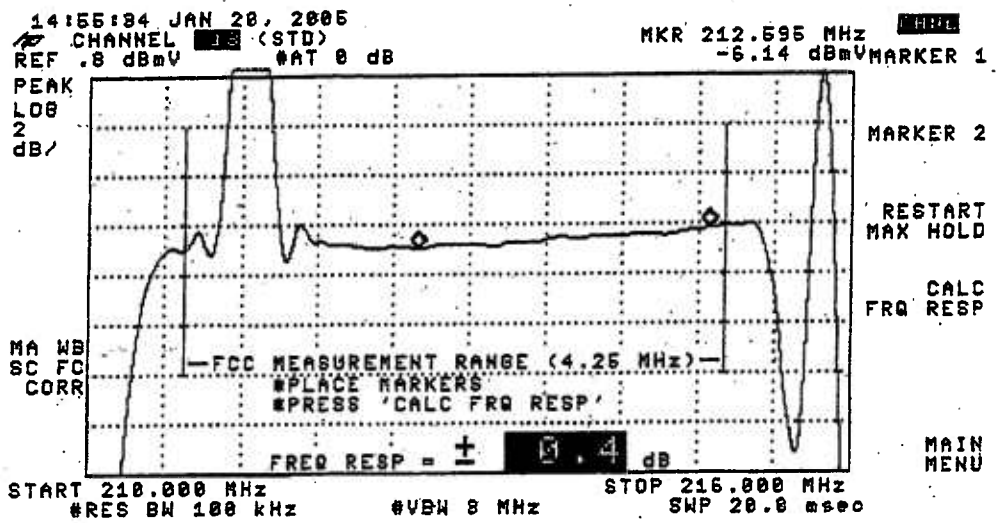
Location : 217 State Route 49 / Palermo

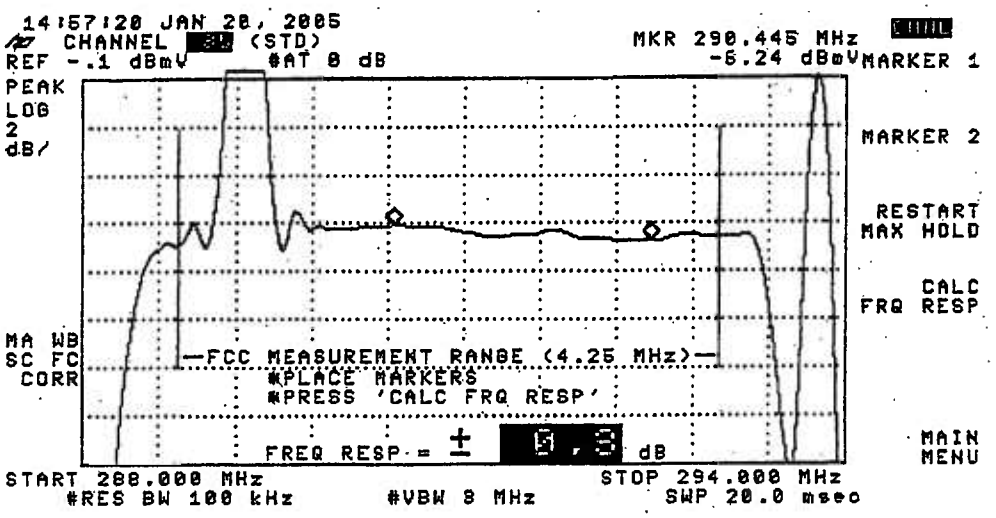
(SEE THE ATTACHED SWEEP TRACES)

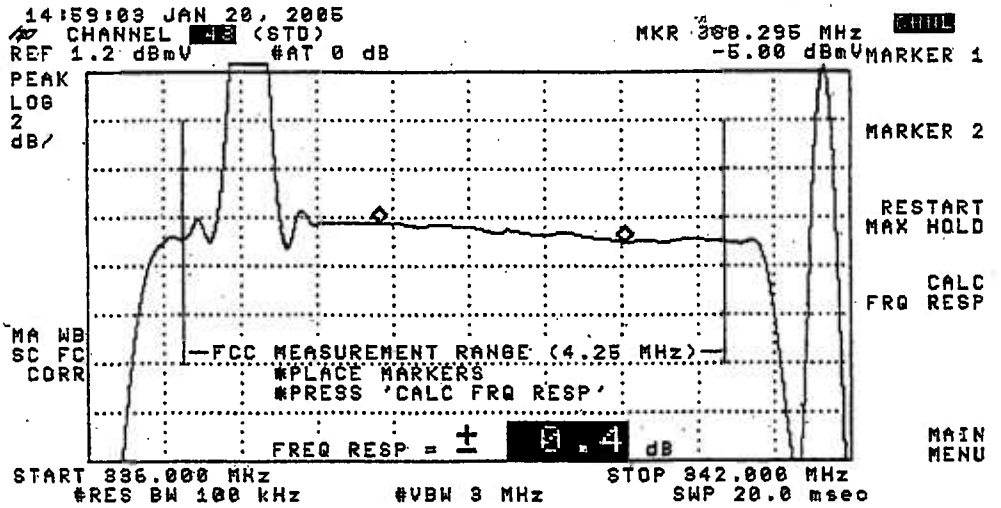

14:49:36 JAN 20, 2005
CHANNEL (STD)
REF .1 dBmV
#AT 0 dB
MKR 68.175 MHz
-6.11 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.8 dB
MAIN
MENU
START 66.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 72.000 MHz
SWP 20.0 msec

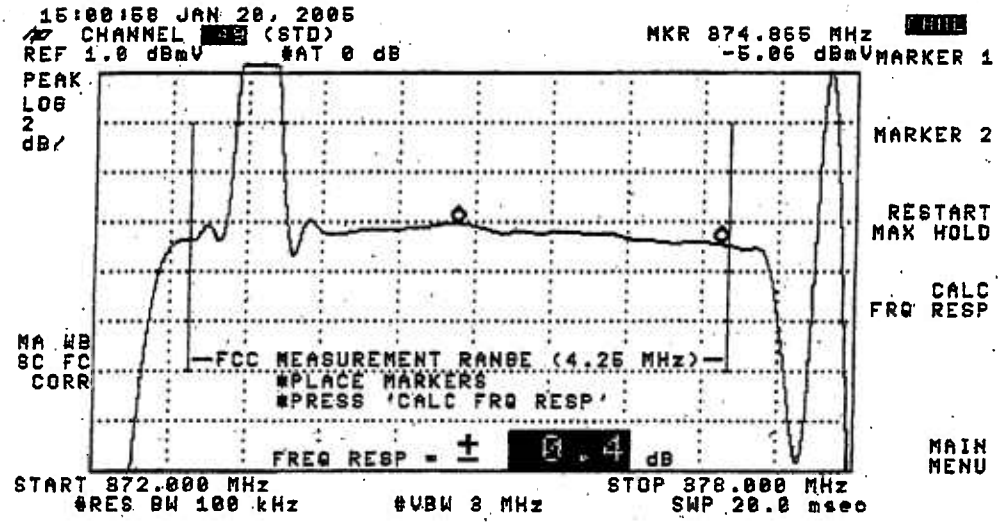

14:51:37 JAN 20, 2005
CHANNEL (STD)
REF -2.0 dBmV
#AT 0 dB
MKR 122.295 MHz
-8.43 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 120.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 126.000 MHz
SWP 20.0 msec

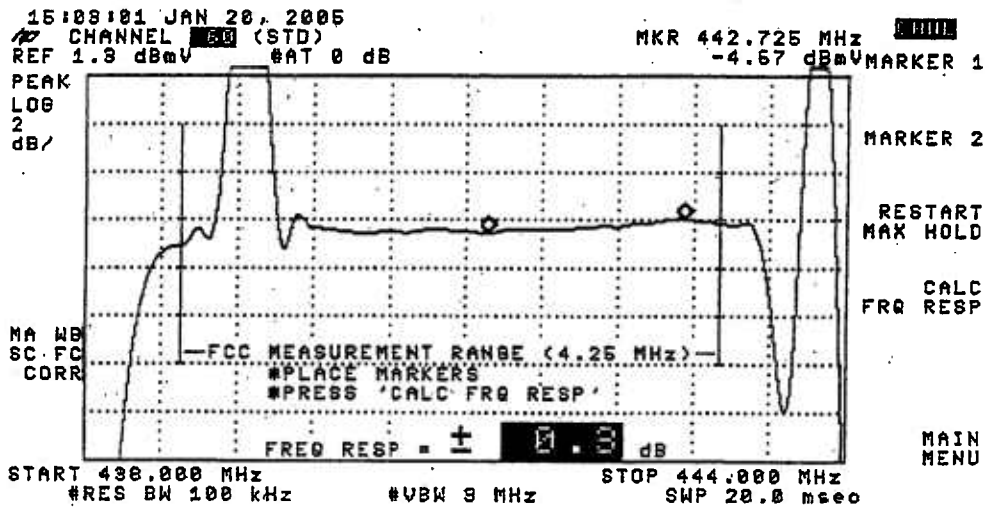

14:53:40 JAN 20, 2005
CHANNEL (STD)
REF -2.1 dBmV
#AT 0 dB
MKR 157.875 MHz
-8.28 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.7 dB
MAIN
MENU
START 156.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 162.000 MHz
SWP 20.0 msec

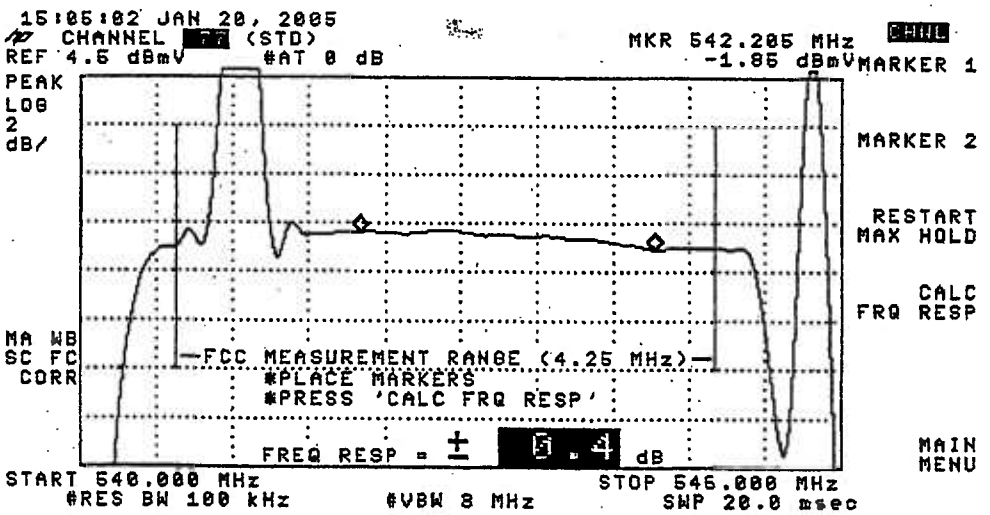

14:55:34 JAN 20, 2005
CHANNEL 13 (STD)
REF .8 dBmV
#AT 0 dB
MKR 212.595 MHz
-6.14 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 210.000 MHz
#RES BW 100 kHz
#VBW 8 MHz
STOP 216.000 MHz
SWP 20.0 msec

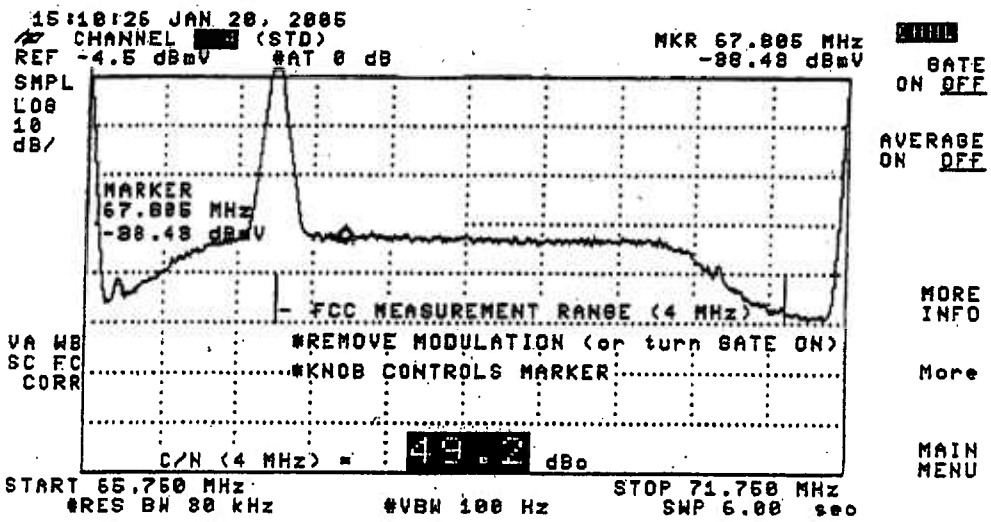

14:57:20 JAN 20, 2005
CHANNEL 22 (STD)
REF -.1 dBmV
#AT 0 dB
MKR 290.445 MHz
-5.24 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 288.000 MHz
#RES BW 100 kHz
#VBW 8 MHz
STOP 294.000 MHz
SWP 20.0 msec

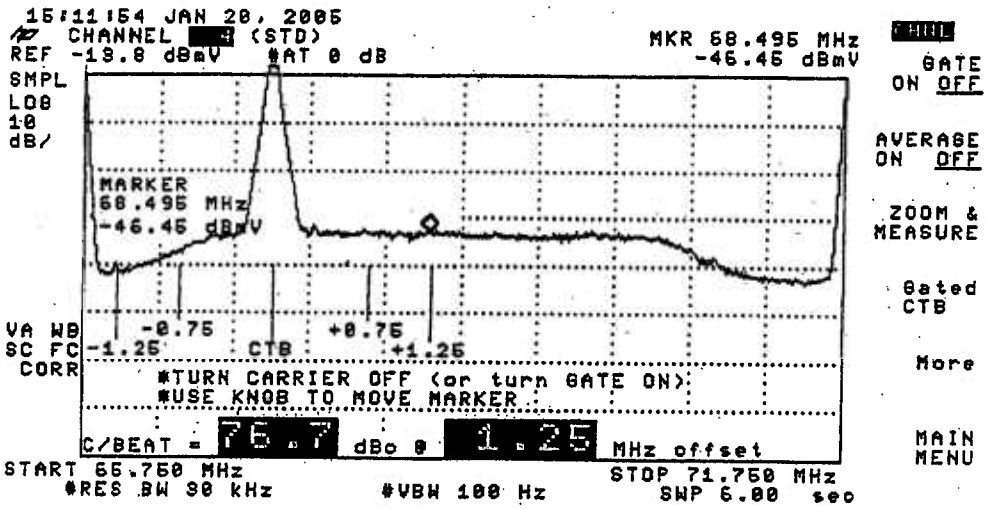

14:59:03 JAN 20, 2005
CHANNEL 43 (STD)
REF 1.2 dBmV
#AT 0 dB
MKR 388.295 MHz
-5.00 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 336.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 342.000 MHz
SWP 20.0 msec

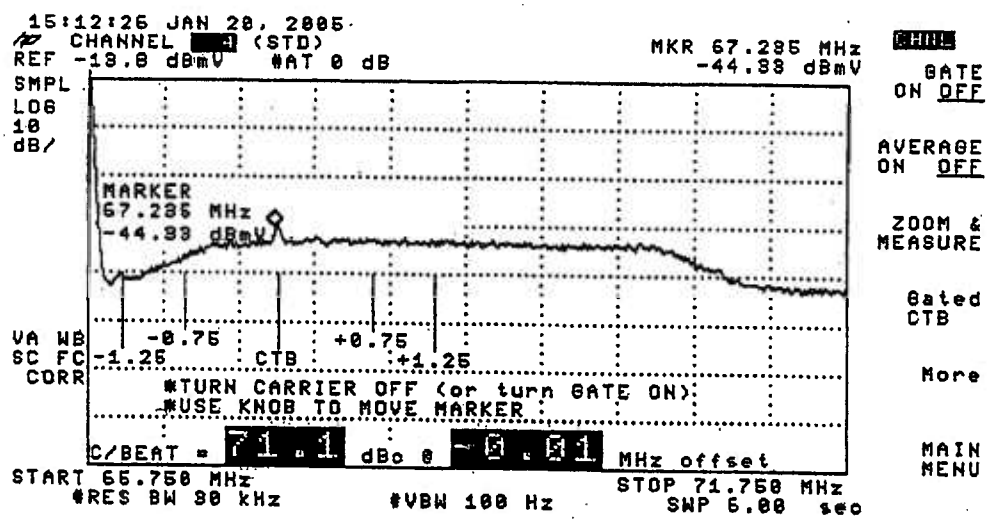

15:00:58 JAN 20, 2005
CHANNEL (STD)
REF 1.0 dBmV
#AT 0 dB
MKR 874.865 MHz
-5.06 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 872.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 878.000 MHz
SWP 20.0 msec

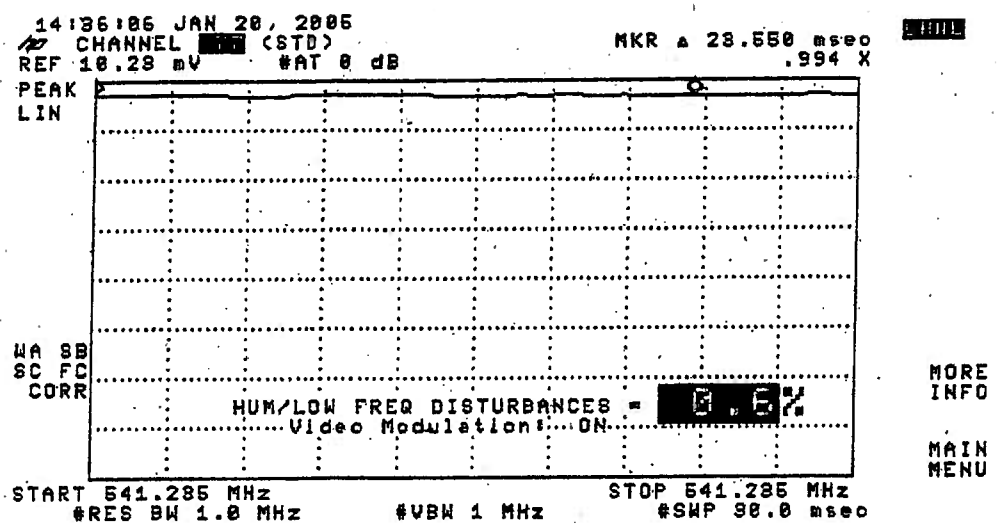

15:08:01 JAN 20, 2005
CHANNEL (STD)
REF 1.3 dBmV
#AT 0 dB
MKR 442.725 MHz
-4.67 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 436.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 444.000 MHz
SWP 20.0 msec


15:05:02 JAN 20, 2005
CHANNEL (STD)
REF 4.5 dBmV
#AT 0 dB
MKR 542.205 MHz
-1.85 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 = ± 0.4 dB
MAIN
MENU
START 540.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 546.000 MHz
SWP 20.0 msec


15:10:26 JAN 20, 2005
CHANNEL (STD)
REF -4.5 dBmV
#AT 0 dB
MKR 67.885 MHz
-88.48 dBmV
SMPL
LOG
10
dB/
MARKER
67.885 MHz
-88.48 dBmV
FCC MEASUREMENT RANGE (4 MHz)
VA WB
SC FC
CORR
#REMOVE MODULATION (or turn GATE ON)
#KNOB CONTROLS MARKER
C/N (4 MHz) = 49.2 dBc
START 65.750 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 71.750 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
MORE
INFO
More
MAIN
MENU


15:11:54 JAN 20, 2005
CHANNEL (STD)
REF -13.8 dBmV
#AT 0 dB
MKR 68.495 MHz
-46.45 dBmV
SMPL
LOG
10
dB/
MARKER
68.495 MHz
-46.45 dBmV
-0.75
+0.75
-1.25
CTB
+1.25
VA WB
SC FC
CORR
#TURN CARRIER OFF (or turn GATE ON)
#USE KNOB TO MOVE MARKER
C/BEAT = 75.7 dBc @ 1.25 MHz offset
START 65.750 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 71.750 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
Gated
CTB
More
MAIN
MENU


15:12:26 JAN 20, 2005
CHANNEL (STD)
REF -13.8 dBmV
#AT 0 dB
MKR 67.285 MHz
-44.33 dBmV
SMPL
LOG
10
dB/
MARKER
67.285 MHz
-44.33 dBmV
-0.75
+0.75
-1.25
CTB
+1.25
VA WB
SC FC
CORR
#TURN CARRIER OFF (or turn GATE ON)
#USE KNOB TO MOVE MARKER
C/BEAT = 71.1 dBc @ -0.01 MHz offset
START 65.750 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 71.750 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
Gated
CTB
More
MAIN
MENU


14:36:06 JAN 20, 2005
CHANNEL (STD)
REF 10.28 mV #AT 0 dB
MKR Δ 28.550 msec
.994 X
PEAK
LIN
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = 0.6%
Video Modulation: ON
MORE
INFO
MAIN
MENU
START 541.285 MHz
STOP 541.285 MHz
#RES BW 1.0 MHz
#VBW 1 MHz
#SWP 90.0 msec

TESTPOINT 3, PAGE 5

TIME WARNER CABLE - SYRACUSE DIVISION

VISUAL CARRIER LEVEL VARIATION TEST

System Name : Syracuse
Date : 01/13/2005
Meter Serial Number : US39234376
Test Location : 217 State Route 49 / Palermo
Performed By : M. Johnson

		TEMP F							TEMP F				
		62.96	63.68	64.22	62.78				62.96	63.68	64.22	62.78	
		TIME							TIME				
		06:38:00	12:39:00	18:42:00	00:44:00				06:38:00	12:39:00	18:42:00	00:44:00	
CHAN	FREQ (MHZ)	VISUAL LEVEL (DBMV)				MAX VAR	CHAN	FREQ (MHZ)	VISUAL LEVEL (DBMV)				MAX VAR
2	55.2500	15.50	15.20	14.90	14.90	0.6	DD (40)	319.2625	16.200	16.500	16.500	16.200	0.3
3	61.2500	16.60	16.40	16.10	16.10	0.5	EE (41)	325.2625	16.100	15.800	16.100	15.800	0.3
4	67.2500	16.00	15.90	15.70	15.60	0.4	FF (42)	331.2750	16.100	16.000	15.900	15.700	0.4
5	77.2500	15.60	15.10	15.10	15.00	0.6	GG (43)	337.2625	16.600	16.200	16.300	16.300	0.4
6	83.2500	14.90	14.20	14.40	14.40	0.7	HH (44)	343.2625	15.700	15.600	15.500	15.400	0.3
A-5 (95)	91.2500						II (45)	349.2625	17.300	16.900	17.000	17.000	0.4
A-4 (96)	97.2500	13.80	13.50	13.30	13.20	0.6	JJ (46)	355.2625	16.400	16.100	16.100	16.200	0.3
A-3 (97)	103.2500						KK (47)	361.2625	16.800	16.700	16.800	16.500	0.3
[illegible] (98)	109.2750						LL (48)	367.2625	16.700	16.500	16.600	16.500	0.2
[illegible] (99)	115.2750	13.30	13.00	12.90	12.90	0.4	MM (49)	373.2625	16.500	16.400	16.100	16.000	0.5
[illegible] (14)	121.2625	14.20	13.70	13.70	13.80	0.5	NN (50)	379.2625	16.200	15.800	15.900	15.800	0.4
B (15)	127.2625	14.70	14.60	14.30	14.40	0.4	OO (51)	385.2625	16.400	15.800	16.000	15.900	0.6
C (16)	133.2625	14.20	14.10	13.80	13.90	0.4	PP (52)	391.2625	15.700	15.200	15.600	15.400	0.5
D (17)	139.2500	14.30	14.50	14.30	14.20	0.3	QQ (53)	397.2625	16.200	16.100	16.100	16.000	0.2
E (18)	145.2500	13.50	13.20	13.00	13.10	0.5	RR (54)	403.2500	17.100	16.700	16.700	16.600	0.5
F (19)	151.2210	14.10	14.20	13.90	14.20	0.3	SS (55)	409.2500	16.300	16.000	16.000	15.700	0.6
G (20)	157.2500	14.90	14.80	14.70	14.60	0.3	TT (56)	415.2500	16.800	16.700	16.700	16.400	0.4
H (21)	163.2500	14.00	13.80	13.70	13.80	0.3	UU (57)	421.2500	16.100	16.000	15.800	15.900	0.3
I (22)	169.2500	15.10	15.20	14.90	14.80	0.4	VV (58)	427.2500	16.300	15.900	15.800	15.900	0.5
7	175.2500	15.60	15.60	15.50	15.30	0.3	WW (59)	433.2500	16.500	16.100	16.200	16.300	0.4
8	181.2500	15.60	15.50	15.30	15.20	0.4	XX (60)	439.2500	16.200	15.700	15.500	15.600	0.7
9	187.2500	15.80	16.30	16.30	16.20	0.5	YY (61)	445.2500	17.000	16.600	16.300	16.300	0.7
10	193.2500	16.30	16.30	16.30	16.10	0.2	ZZ (62)	451.2500	17.600	17.100	16.700	17.000	0.9
11	199.2500	16.30	16.20	16.20	16.30	0.1	63	457.2500	17.400	16.900	16.700	16.800	0.7
12	205.2500	16.80	16.90	17.00	16.90	0.2	64	463.2500	17.500	16.900	16.800	17.000	0.7
13	211.2500	16.20	15.90	16.00	16.10	0.3	65	469.2500	17.200	16.900	16.800	16.700	0.5
J (23)	217.2500	15.90	15.90	15.90	15.40	0.5	66	475.2500	16.000	15.300	15.000	15.200	1
K (24)	223.2500	16.70	16.60	16.60	16.50	0.2	67	481.2500	16.600	16.000	15.800	15.700	0.9
L (25)	229.2625	15.10	15.20	15.10	15.10	0.1	68	487.2500	16.000	15.100	15.200	15.200	0.9
M (26)	235.2625	16.10	16.10	16.20	16.10	0.1	69	493.2500	16.100	15.400	15.600	15.300	0.8
[illegible] (27)	241.2625	16.00	15.90	15.90	15.90	0.1	70	499.2500	16.800	16.100	16.300	16.100	0.7
[illegible] (28)	247.2625	16.40	16.10	16.30	16.10	0.3	71	505.2500	17.500	16.700	17.000	16.300	1.2
[illegible] (29)	253.2625	16.70	16.40	16.80	16.60	0.4	72	511.2500	17.100	16.600	16.400	16.500	0.7
Q (30)	259.2625	15.90	15.90	15.90	15.50	0.4	73	517.2500	18.200	17.600	17.600	17.300	0.9
R (31)	265.2625	16.20	16.30	16.30	16.10	0.2	74	523.2500	17.800	17.400	17.500	17.100	0.7
S (32)	271.2625	15.50	16.00	15.10	15.40	0.9	75	529.2500	17.900	17.500	17.600	17.300	0.6
T (33)	277.2625	15.40	15.60	15.40	15.30	0.3	76	535.2500	18.300	17.500	17.800	17.700	0.8
U (34)	283.2625	15.80	16.10	15.70	15.50	0.6	77	541.2500	18.400	17.400	17.700	17.400	1
V (35)	289.2625	14.40	14.70	14.60	14.60	0.3	78	547.2500	18.800	18.200	18.400	18.100	0.7
W (36)	295.2625	14.40	14.80	14.70	14.60	0.4	79	553.2500					
AA (37)	301.2625	15.60	15.80	15.90	15.70	0.3	80	559.2500	18.500	17.800	17.500	17.500	1
BB (38)	307.2625	15.10	15.20	14.90	15.10	0.3	81	565.2500					
CC (39)	313.2625	15.70	15.50	15.80	15.80	0.3							

Max Non Adjacent Channel Level Diff :- 5.5
Max Adjacent Channel Level Diff :- 1.8
Max Variance from last proof of performance test :- N/A
Date of last proof of performance test :- N/A

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

TESTPOINT 4, PAGE 1

TIME WARNER CABLE - SYRACUSE DIVISION

System Name	:	Syracuse
System Test Point #	:	4
Hub Name	:	Fulton Hub
Location	:	Honey Hill Road / Granby
Map Number	:	15-13
Pole Number	:	Pole # 11
D.T. Value	:	17/2
OR Number	:	719
GNA Cascade	:	Node + 3
LE Cscade	:	2

TESTPOINT 4, PAGE 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	: Syracuse	**Test Location**	: Honey Hill Road / Granby
Date	: 01/13/2005	**Time**	: 07:00:00

CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)	CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)
2	55.2500	19.00	4.60		14.4	DD (40)	319.2625	18.40	3.80		14.6
3	61.2500	19.30	3.30		16	EE (41)	325.2625	17.70	2.40		15.3
4	67.2500	18.10	3.80		14.3	FF (42)	331.2750	16.90	1.90		15
5	77.2500	17.00	1.80		15.2	GG (43)	337.2625	17.00	1.80		15.2
6	83.2500	16.30	1.70		14.6	HH (44)	343.2625	15.80	2.10		13.7
A-5 (95)	91.2500	N/A	N/A		N/A	II (45)	349.2625	17.00	1.40		15.6
A-4 (96)	97.2500	15.50	1.20		14.3	JJ (46)	355.2625	16.20	1.70		14.5
A-3 (97)	103.2500	N/A	N/A		N/A	KK (47)	361.2625	16.70	2.00		14.7
A-2 (98)	109.2750	N/A	N/A		N/A	LL (48)	367.2625	16.60	1.00		15.6
A-1 (99)	115.2750	14.40	0.30		14.1	MM (49)	373.2625	16.00	1.60		14.4
[illegible] (14)	121.2625	14.60	-0.10		14.7	NN (50)	379.2625	15.60	1.10		14.5
[illegible] (15)	127.2625	15.10	-0.10		15.2	OO (51)	385.2625	16.10	1.00		15.1
C (16)	133.2625	14.70	1.30		13.4	PP (52)	391.2625	15.70	2.20		13.5
D (17)	139.2500	14.40	-0.50		14.9	QQ (53)	397.2625	16.60	1.70		14.9
E (18)	145.2500	14.00	0		14	RR (54)	403.2500	17.10	2.50		14.6
F (19)	151.2210	14.60	0		14.6	SS (55)	409.2500	17.10	2.80		14.3
G (20)	157.2500	14.90	-0.70		15.6	TT (56)	415.2500	17.90	1.80		16.1
H (21)	163.2500	13.50	0.50		13	UU (57)	421.2500	17.10	2.80		14.3
I (22)	169.2500	15.30	0.70		14.6	VV (58)	427.2500	17.40	3.30		14.1
7	175.2500	15.60	0.90		14.7	WW (59)	433.2500	17.40	1.60		15.8
8	181.2500	15.20	1.40		13.8	XX (60)	439.2500	16.40	2.60		13.8
9	187.2500	15.90	0.10		15.8	YY (61)	445.2500	16.90	2.50		14.4
10	193.2500	15.70	1.40		14.3	ZZ (62)	451.2500	17.90	3.40		14.5
11	199.2500	15.70	1.00		14.7	63	457.2500	17.70	3.80		13.9
12	205.2500	15.90	0.70		15.2	64	463.2500	18.00	3.80		14.2
13	211.2500	15.50	0.90		14.6	65	469.2500	18.60	2.90		15.7
J (23)	217.2500	16.10	1.30		14.8	66	475.2500	17.00	3.80		13.2
K (24)	223.2500	16.70	1.00		15.7	67	481.2500	18.10	1.40		16.7
L (25)	229.2625	15.00	1.60		13.4	68	487.2500	16.80	2.60		14.2
M (26)	235.2625	15.80	0.70		15.1	69	493.2500	17.80	3.40		14.4
N (27)	241.2625	15.90	1.20		14.7	70	499.2500	18.20	4.00		14.2
O (28)	247.2625	16.00	1.70		14.3	71	505.2500	18.80	4.30		14.5
[illegible] (29)	253.2625	16.60	1.60		15	72	511.2500	18.60	3.90		14.7
[illegible] (30)	259.2625	16.60	1.90		14.7	73	517.2500	18.80	3.70		15.1
R (31)	265.2625	16.80	1.00		15.8	74	523.2500	18.50	3.50		15
S (32)	271.2625	16.20	1.90		14.3	75	529.2500	18.20	4.30		13.9
T (33)	277.2625	16.20	2.90		13.3	76	535.2500	18.40	3.30		15.1
U (34)	283.2625	16.90	1.60		15.3	77	541.2500	18.40	4.30		14.1
V (35)	289.2625	16.10	1.00		15.1	78	547.2500	19.30	3.80		15.5
W (36)	295.2625	15.80	2.20		13.6	79	553.2500	N/A	N/A		N/A
AA (37)	301.2625	16.80	2.70		14.1	80	559.2500	19.40	4.40		15
BB (38)	307.2625	17.00	3.60		13.4	81	565.2500	N/A	N/A		N/A
CC (39)	313.2625	17.90	3.80		14.1						

Min Channel	:	H(21)	13.500
Max Channel	:	80	19.400
Peak to Valley	:	5.9	

TESTPOINT 4, PAGE 3

TIME WARNER CABLE - SYRACUSE DIVISION

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

System Name : Syracuse ***Date*** : 1/19/2005

Performed By : Pat Thrall

tion : Honey Hill Road / Granby

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

CHANNEL NUMBER	IN CHANNEL RESPONSE	CARRIER TO NOISE RATIO	DISTORTIONS	CSO	HUM
	(+/-DB)	(DB)	(-DBC) CTB		(%)
4	0.3	48.5	69.5	76.2	0.8
14	0.5	47.2	70.7	70.9	
20	0.7	47.9	71.6	76.8	
13	0.3	48.4	71.8	73.8	
35	0.3	48.4	70.4	71.8	
43	0.5	49.3	71.2	72.8	
49	0.4	48.0	69.1	72.8	
60	0.3	47.7	68.7	70.0	
77	0.2	48.4	68.7	68.5	

TIME WARNER CABLE - SYRACUSE DIVISION

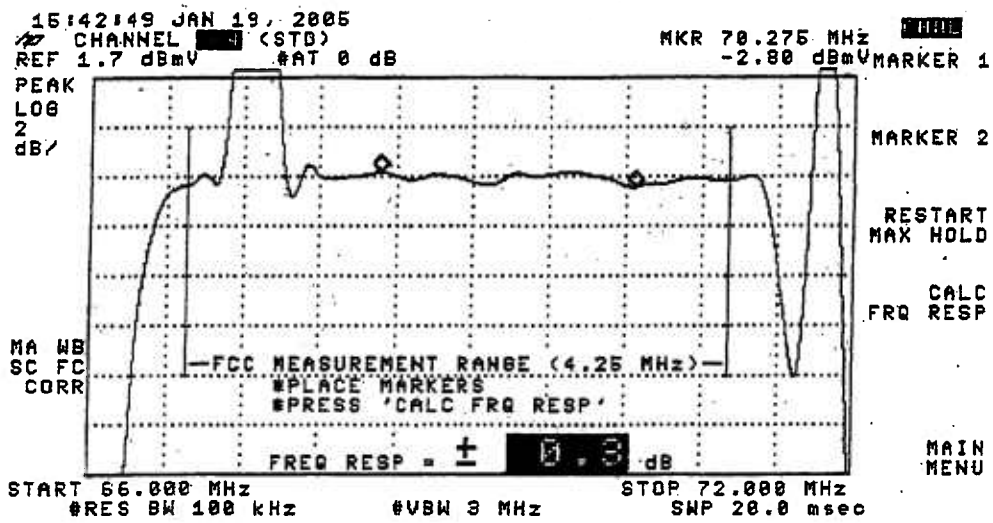
IN CHANNEL FREQUENCY RESPONSE TEST
(76.605) (a) (6)

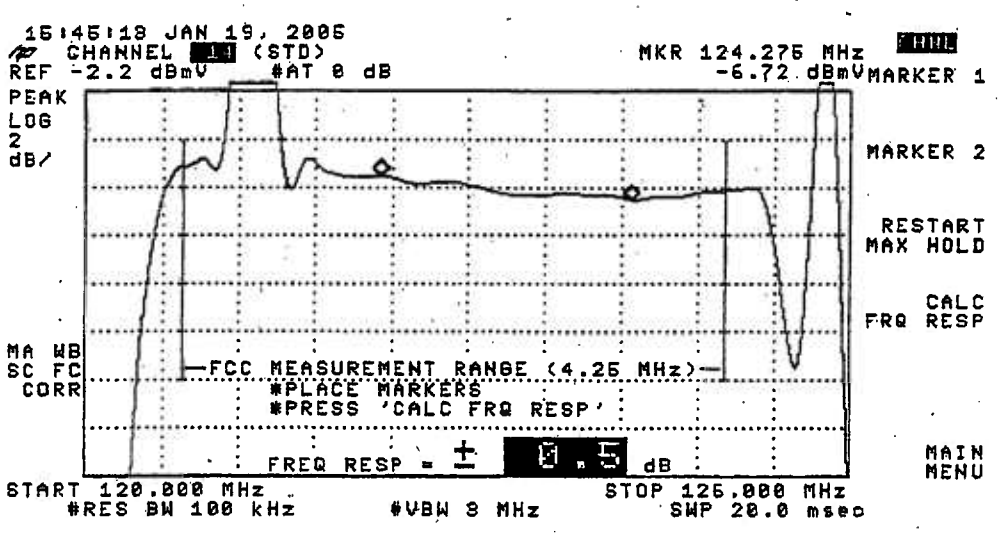
System Name : Syracuse ***Date*** : 01/19/2005

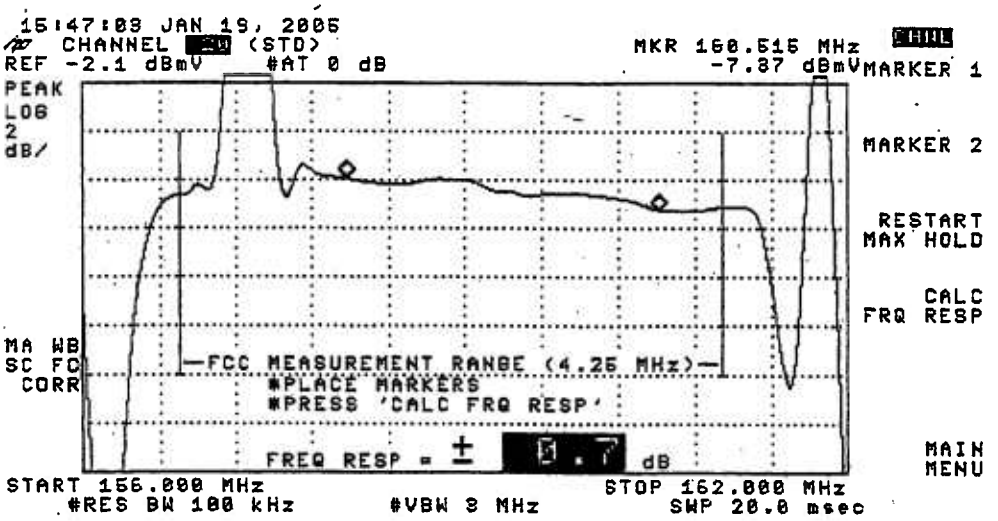
Performed By : Pat Thrall

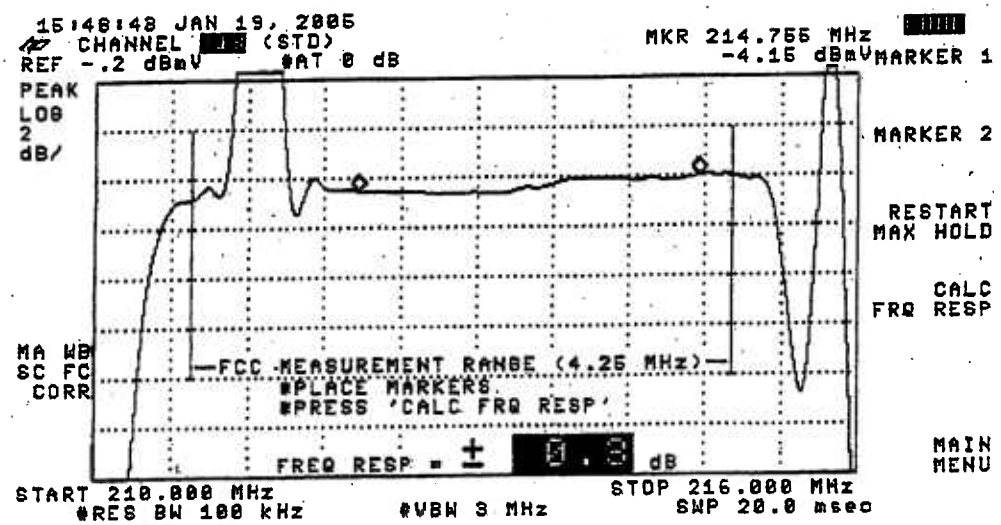
Location : Honey Hill Road / Granby

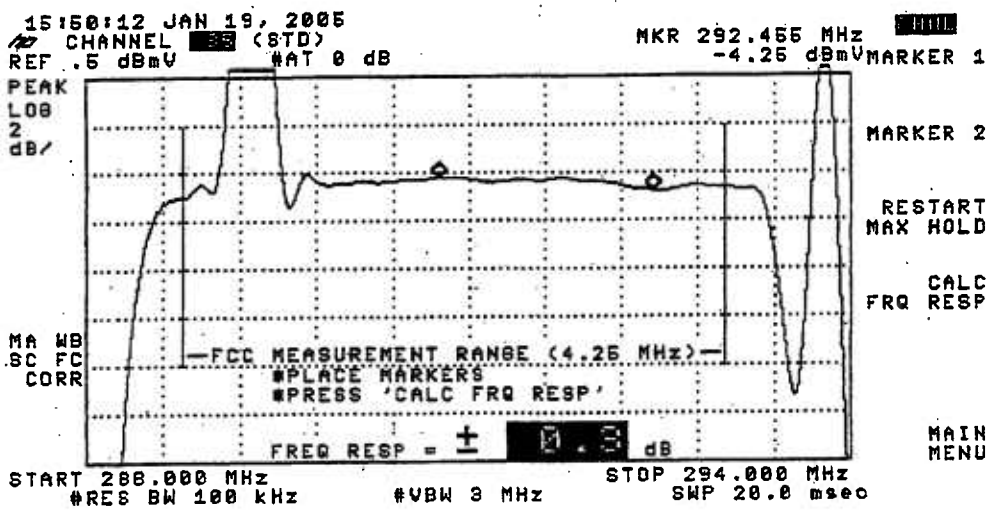
(SEE THE ATTACHED SWEEP TRACES)

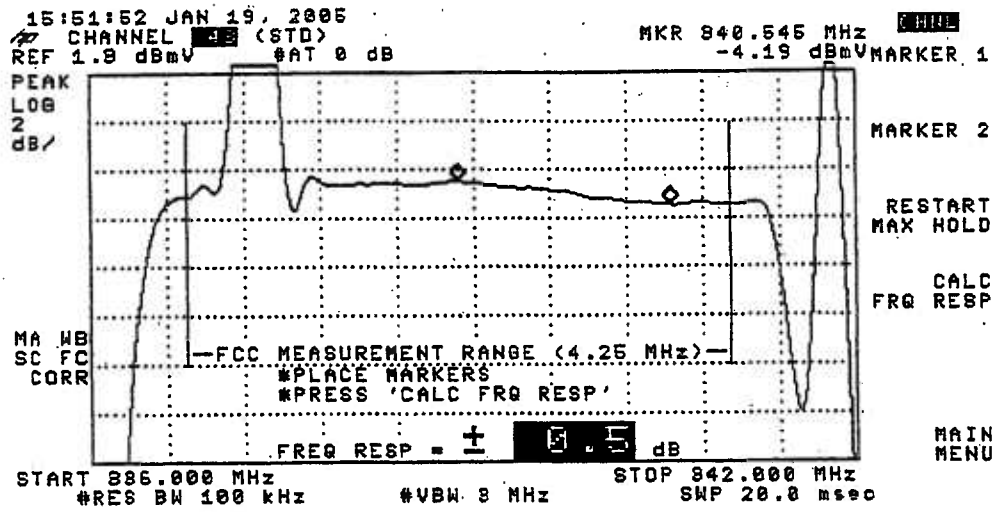

15:42:49 JAN 19, 2005
CHANNEL (STD)
REF 1.7 dBmV
#AT 0 dB
MKR 70.275 MHz
-2.80 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 66.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 72.000 MHz
SWP 20.0 msec

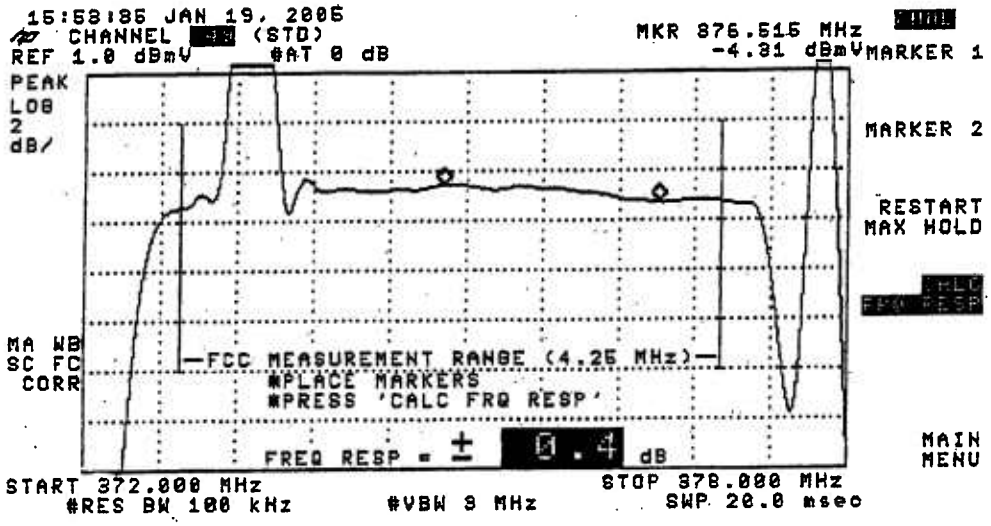

15:45:18 JAN 19, 2005
CHANNEL (STD)
REF -2.2 dBmV
#AT 0 dB
MKR 124.275 MHz
-6.72 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
START 120.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 126.000 MHz
SWP 20.0 msec

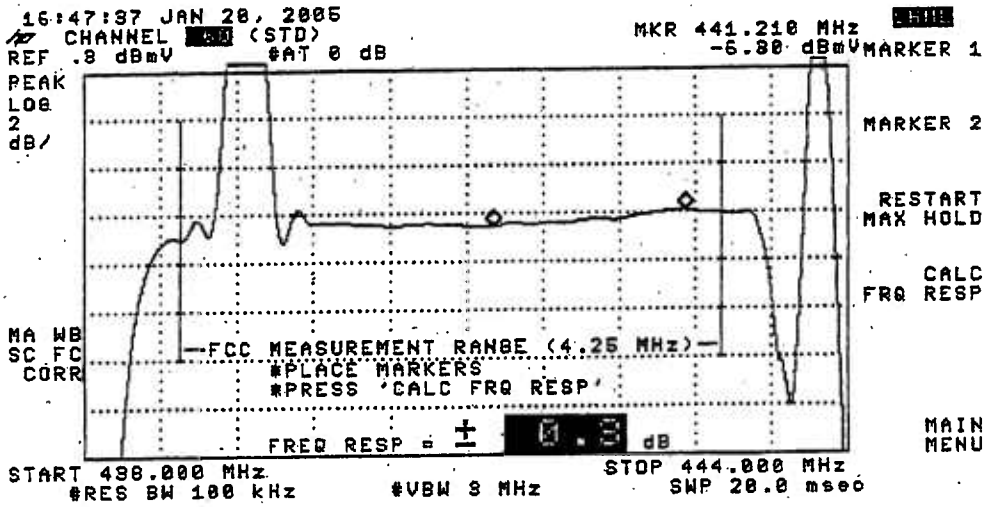

15:47:03 JAN 19, 2005
CHANNEL (STD)
REF -2.1 dBmV
#AT 0 dB
MKR 160.515 MHz
-7.37 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.7 dB
MAIN
MENU
START 156.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 162.000 MHz
SWP 20.0 msec

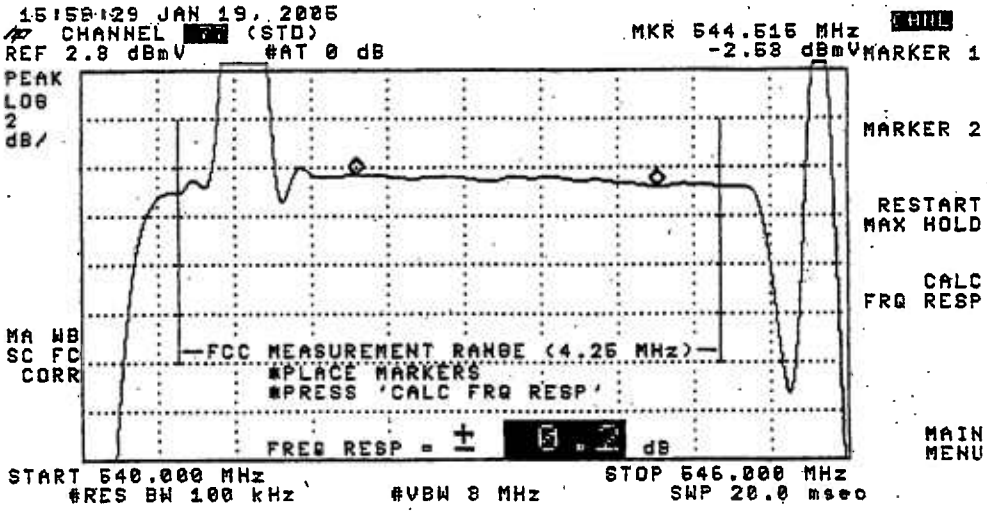

15:48:48 JAN 19, 2005
CHANNEL (STD)
REF -.2 dBmV
#AT 0 dB
MKR 214.755 MHz
-4.15 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 210.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 216.000 MHz
SWP 20.0 msec

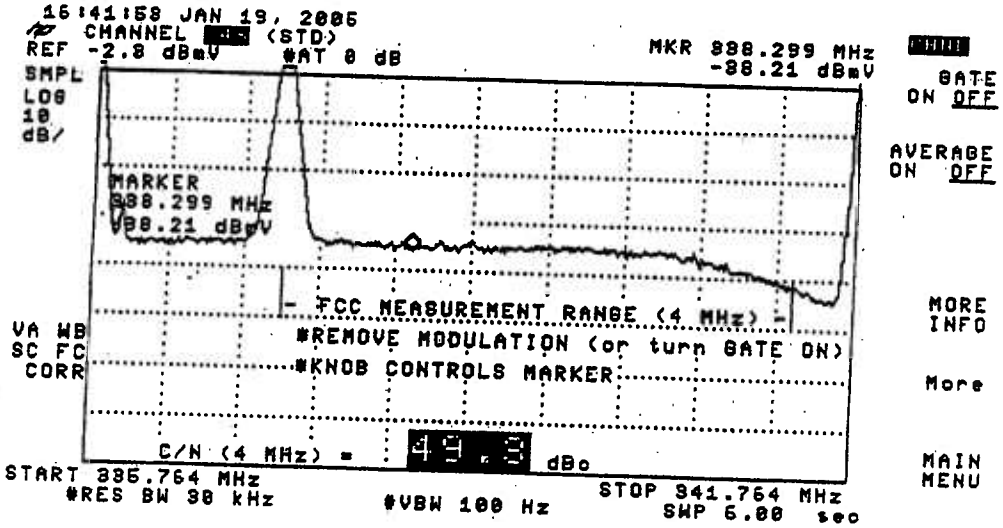

15:50:12 JAN 19, 2005
CHANNEL (STD)
REF .5 dBmV
#AT 0 dB
MKR 292.455 MHz
-4.25 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 288.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 294.000 MHz
SWP 20.0 msec

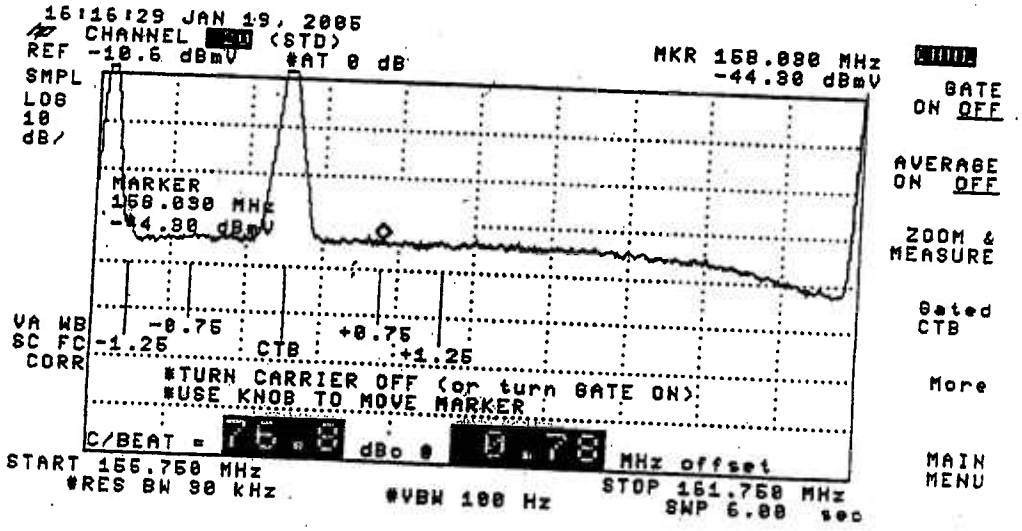

15:51:52 JAN 19, 2005
CHANNEL (STD)
REF 1.9 dBmV
#AT 0 dB
MKR 840.545 MHz
-4.19 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
START 836.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 842.000 MHz
SWP 20.0 msec

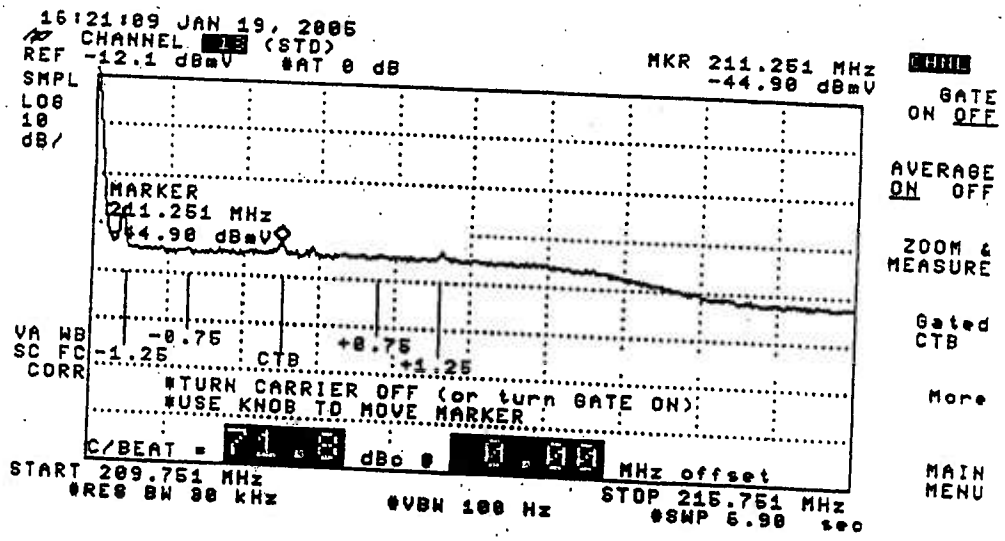

15:53:35 JAN 19, 2005
CHANNEL (STD)
REF 1.0 dBmV
#AT 0 dB
MKR 376.515 MHz
-4.31 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 372.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 378.000 MHz
SWP 20.0 msec

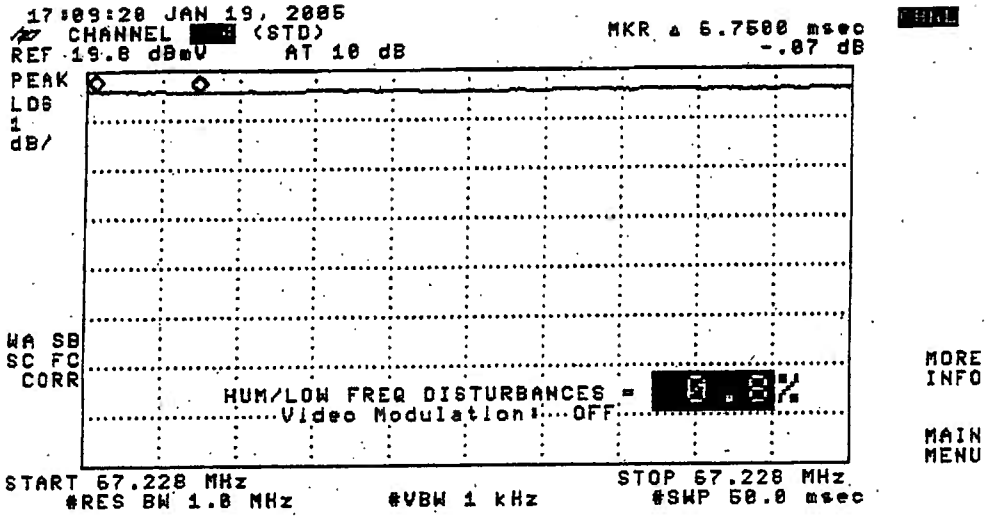

16:47:37 JAN 20, 2005
CHANNEL (STD)
REF .8 dBmV
#AT 0 dB
MKR 441.210 MHz
-6.80 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 438.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 444.000 MHz
SWP 20.0 msec


15:58:29 JAN 19, 2005
CHANNEL (STD)
REF 2.8 dBmV
#AT 0 dB
MKR 544.515 MHz
-2.53 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 540.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 546.000 MHz
SWP 20.0 msec


16:41:58 JAN 19, 2005
CHANNEL (STD)
REF -2.8 dBmV
#AT 0 dB
MKR 888.299 MHz
-88.21 dBmV
SMPL
LOG
10
dB/
MARKER
888.299 MHz
-88.21 dBmV
GATE
ON OFF
AVERAGE
ON OFF
FCC MEASUREMENT RANGE (4 MHz)
VA WB
SC FC
CORR
#REMOVE MODULATION (or turn GATE ON)
#KNOB CONTROLS MARKER
MORE
INFO
More
C/N (4 MHz) = 49.3 dBc
START 885.764 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 941.764 MHz
SWP 5.00 sec
MAIN
MENU


16:16:29 JAN 19, 2005
CHANNEL (STD)
REF -10.6 dBmV
#AT 0 dB
MKR 158.080 MHz
-44.80 dBmV
SMPL
LOG
10
dB/
MARKER
158.080 MHz
-44.80 dBmV
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
Gated
CTB
VA WB
SC FC
CORR
-0.75
-1.25
CTB
+0.75
+1.25
#TURN CARRIER OFF (or turn GATE ON)
#USE KNOB TO MOVE MARKER
More
C/BEAT = 76.8 dBc @ 0.78 MHz offset
START 155.750 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 161.750 MHz
SWP 6.00 sec
MAIN
MENU


16:21:09 JAN 19, 2005
CHANNEL (STD)
REF -12.1 dBmV
#AT 0 dB
MKR 211.251 MHz
-44.90 dBmV
SMPL
LOG
10
dB/
MARKER
211.251 MHz
-44.90 dBmV
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
Gated
CTB
VA WB
SC FC
CORR
-0.75
-1.25
CTB
+0.75
+1.25
#TURN CARRIER OFF (or turn GATE ON)
#USE KNOB TO MOVE MARKER
More
C/BEAT = 71.8 dBc @ 0.00 MHz offset
START 209.751 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 215.751 MHz
#SWP 6.00 sec
MAIN
MENU


17:09:20 JAN 19, 2005
CHANNEL [redacted] (STD)
REF 19.8 dBmV
AT 10 dB
MKR Δ 5.7500 msec
-.07 dB
PEAK
LOG
1
dB/
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = [redacted]%
Video Modulation: OFF
MORE
INFO
MAIN
MENU
START 67.228 MHz
STOP 67.228 MHz
#RES BW 1.0 MHz
#VBW 1 kHz
#SWP 50.0 msec

TESTPOINT 4, PAGE 5

TIME WARNER CABLE - SYRACUSE DIVISION

VISUAL CARRIER LEVEL VARIATION TEST

System Name	: Syracuse	***Test Location***	: Honey Hill Road / Granby
Date	: 01/13/2005	***Performed By***	: M. Johnson
Meter Serial Number	: US39234376		

		TEMP F							TEMP F				
		63.50	63.14	63.86	62.24				63.50	63.14	63.86	62.24	
		TIME							TIME				
		07:00:00	12:58:00	19:01:00	01:04:00				07:00:00	12:58:00	19:01:00	01:04:00	
CHAN	FREQ (MHZ)	VISUAL LEVEL (DBMV)				MAX VAR	CHAN	FREQ (MHZ)	VISUAL LEVEL (DBMV)				MAX VAR
2	55.2500	19.00	18.80	18.60	19.00	0.4	DD (40)	319.2625	18.400	18.100	18.300	18.300	0.3
3	61.2500	19.30	18.60	19.10	18.50	0.8	EE (41)	325.2625	17.700	17.300	17.500	17.600	0.4
4	67.2500	18.10	17.90	17.80	18.00	0.3	FF (42)	331.2750	16.900	16.700	16.600	16.800	0.3
5	77.2500	17.00	16.30	16.40	16.60	0.7	GG (43)	337.2625	17.000	17.000	16.600	17.000	0.4
6	83.2500	16.30	16.20	16.00	16.30	0.3	HH (44)	343.2625	15.800	15.700	15.800	16.100	0.4
A-5 (95)	91.2500						II (45)	349.2625	17.000	16.500	16.600	17.000	0.5
A-4 (96)	97.2500	15.50	15.10	15.10	15.40	0.4	JJ (46)	355.2625	16.200	16.100	15.800	16.200	0.4
A-3 (97)	103.2500						KK (47)	361.2625	16.700	16.500	16.100	16.800	0.7
A-2 (98)	109.2750						LL (48)	367.2625	16.600	16.400	16.400	16.700	0.3
[illegible]	115.2750	14.40	14.20	14.10	14.30	0.3	MM (49)	373.2625	16.000	15.800	15.600	16.000	0.4
[illegible]	121.2625	14.60	14.30	14.20	14.50	0.4	NN (50)	379.2625	15.600	15.400	15.300	15.400	0.3
B (15)	127.2625	15.10	15.10	14.90	15.20	0.3	OO (51)	385.2625	16.100	15.800	15.700	16.200	0.5
C (16)	133.2625	14.70	14.70	14.70	14.70		PP (52)	391.2625	15.700	15.300	15.100	15.500	0.6
D (17)	139.2500	14.40	14.60	14.60	14.70	0.3	QQ (53)	397.2625	16.600	16.100	16.100	15.900	0.7
E (18)	145.2500	14.00	13.80	13.60	13.70	0.4	RR (54)	403.2500	17.100	16.600	16.600	16.700	0.5
F (19)	151.3210	14.60	14.30	14.30	14.40	0.3	SS (55)	409.2500	17.100	16.500	16.400	16.500	0.7
G (20)	157.2500	14.90	14.40	14.30	14.30	0.6	TT (56)	415.2500	17.900	17.300	17.200	17.400	0.7
H (21)	163.2500	13.50	13.40	13.20	13.60	0.4	UU (57)	421.2500	17.100	16.100	16.300	16.500	1
I (22)	169.2500	15.30	14.90	14.80	14.60	0.7	VV (58)	427.2500	17.400	16.600	16.600	17.000	0.8
7	175.2500	15.60	15.30	15.30	15.20	0.4	WW (59)	433.2500	17.400	16.900	16.800	17.100	0.6
8	181.2500	15.20	15.00	14.90	15.00	0.3	XX (60)	439.2500	16.400	16.100	16.400	16.100	0.3
9	187.2500	15.90	15.70	15.70	15.80	0.2	YY (61)	445.2500	16.900	17.000	17.100	16.800	0.3
10	193.2500	15.70	16.00	15.60	15.90	0.4	ZZ (62)	451.2500	17.900	17.300	17.400	17.600	0.6
11	199.2500	15.70	15.30	15.20	15.50	0.5	63	457.2500	17.700	17.500	17.300	17.600	0.4
12	205.2500	15.90	15.70	15.60	15.90	0.3	64	463.2500	18.000	17.500	17.600	17.600	0.5
13	211.2500	15.50	14.90	14.70	15.20	0.8	65	469.2500	18.600	17.600	18.000	18.200	1
J (23)	217.2500	16.10	15.90	15.60	15.50	0.6	66	475.2500	17.000	16.200	16.200	16.600	0.8
K (24)	223.2500	16.70	16.30	16.30	16.40	0.4	67	481.2500	18.100	17.300	17.300	17.500	0.8
L (25)	229.2625	15.00	14.60	14.70	14.90	0.4	68	487.2500	16.800	16.100	16.200	16.400	0.7
M (26)	235.2625	15.80	15.60	15.80	16.10	0.5	69	493.2500	17.800	16.800	17.000	17.300	1
N (27)	241.2625	15.90	15.60	15.60	15.90	0.3	70	499.2500	18.200	17.300	16.900	17.300	1.3
[illegible]	247.2625	16.00	15.60	15.80	16.30	0.7	71	505.2500	18.800	17.600	17.300	18.100	1.5
[illegible]	253.2625	16.60	16.60	16.50	16.70	0.2	72	511.2500	18.600	17.600	17.400	18.200	1.2
Q (30)	259.2625	16.60	15.70	15.80	15.80	0.9	73	517.2500	18.800	18.000	17.900	18.400	0.9
R (31)	265.2625	16.80	16.30	16.20	16.40	0.6	74	523.2500	18.500	17.700	17.600	17.700	0.9
S (32)	271.2625	16.20	15.40	15.80	16.20	0.8	75	529.2500	18.200	18.000	17.900	17.900	0.3
T (33)	277.2625	16.20	15.90	15.70	16.00	0.5	76	535.2500	18.400	18.400	18.300	18.100	0.3
U (34)	283.2625	16.90	16.20	16.50	16.60	0.7	77	541.2500	18.400	18.000	18.200	17.900	0.5
V (35)	289.2625	16.10	15.80	15.60	15.90	0.5	78	547.2500	19.300	18.600	18.800	18.900	0.7
W (36)	295.2625	15.80	15.30	15.40	15.70	0.5	79	553.2500					
AA (37)	301.2625	16.80	16.80	16.80	17.00	0.2	80	559.2500	19.400	18.400	18.600	18.900	1
BB (38)	307.2625	17.00	16.50	16.40	16.60	0.6	81	565.2500					
CC (39)	313.2625	17.90	17.80	17.70	17.90	0.2							

Max Non Adjacent Channel Level Diff	:- 5.9
Max Adjacent Channel Level Diff	:- 1.8
Max Variance from last proof of performance test	:- N/A
Date of last proof of performance test	:- N/A

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

TESTPOINT 6, PAGE 1

TIME WARNER CABLE - SYRACUSE DIVISION

System Name	:	Syracuse
System Test Point #	:	6
Hub Name	:	Oswego Hub
Location	:	County Route 7 / Oswego
Map Number	:	230-5770
Pole Number	:	Pole # 97
D.T. Value	:	20/2
OR Number	:	255
GNA Cascade	:	Node + 6
LE Cscade	:	0

TESTPOINT 6, PAGE 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	: Syracuse	**Test Location**	: County Route 7 / Oswego
Date	: 01/13/2005	**Time**	: 07:26:00

CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)	CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)
2	55.2500	12.90	-1.00		13.9	DD (40)	319.2625	15.20	1.10		14.1
3	61.2500	13.70	-0.60		14.3	EE (41)	325.2625	15.00	0.10		14.9
4	67.2500	12.90	-1.10		14	FF (42)	331.2750	15.60	0.70		14.9
5	77.2500	13.10	-2.20		15.3	GG (43)	337.2625	15.20	1.10		14.1
6	83.2500	12.70	-1.80		14.5	HH (44)	343.2625	15.50	1.10		14.4
A-5 (95)	91.2500	N/A	N/A		N/A	II (45)	349.2625	15.10	0.40		14.7
A-4 (96)	97.2500	12.40	-3.00		15.4	JJ (46)	355.2625	16.00	0.60		15.4
A-3 (97)	103.2500	N/A	N/A		N/A	KK (47)	361.2625	15.70	0.80		14.9
A-2 (98)	109.2750	N/A	N/A		N/A	LL (48)	367.2625	15.30	0.10		15.2
[illegible] (99)	115.2750	11.50	-3.20		14.7	MM (49)	373.2625	14.90	0.30		14.6
[illegible] (14)	121.2625	12.30	-2.40		14.7	NN (50)	379.2625	14.40	0.10		14.3
[illegible] B (15)	127.2625	11.70	-2.70		14.4	OO (51)	385.2625	14.30	-0.20		14.5
C (16)	133.2625	11.60	-1.80		13.4	PP (52)	391.2625	14.70	0		14.7
D (17)	139.2500	11.40	-2.30		13.7	QQ (53)	397.2625	14.70	0		14.7
E (18)	145.2500	12.10	-3.10		15.2	RR (54)	403.2500	14.60	0		14.6
F (19)	151.3210	12.40	-2.30		14.7	SS (55)	409.2500	14.30	-1.00		15.3
G (20)	157.2500	11.70	-2.10		13.8	TT (56)	415.2500	12.90	-2.20		15.1
H (21)	163.2500	12.30	-1.90		14.2	UU (57)	421.2500	12.60	-2.20		14.8
I (22)	169.2500	12.90	-0.70		13.6	VV (58)	427.2500	12.30	-2.80		15.1
7	175.2500	13.20	-0.90		14.1	WW (59)	433.2500	11.80	-3.20		15
8	181.2500	13.50	-0.80		14.3	XX (60)	439.2500	11.30	-2.30		13.6
9	187.2500	13.90	-0.60		14.5	YY (61)	445.2500	12.10	-2.50		14.6
10	193.2500	14.30	0		14.3	ZZ (62)	451.2500	12.50	-1.60		14.1
11	199.2500	14.10	0.10		14	63	457.2500	13.00	-1.20		14.2
12	205.2500	14.40	-0.10		14.5	64	463.2500	13.00	-1.30		14.3
13	211.2500	14.70	-1.30		16	65	469.2500	12.80	-1.20		14
J (23)	217.2500	14.10	-0.70		14.8	66	475.2500	13.10	-1.10		14.2
K (24)	223.2500	13.20	-0.90		14.1	67	481.2500	12.90	-1.60		14.5
L (25)	229.2625	13.40	-0.70		14.1	68	487.2500	13.50	-1.10		14.6
M (26)	235.2625	13.00	-0.50		13.5	69	493.2500	13.70	-1.00		14.7
N (27)	241.2625	14.20	-0.30		14.5	70	499.2500	13.80	-0.20		14
[illegible] (28)	247.2625	14.10	-0.20		14.3	71	505.2500	14.10	-0.90		15
[illegible] (29)	253.2625	14.40	-0.20		14.6	72	511.2500	13.90	-1.00		14.9
[illegible] (30)	259.2625	13.80	-1.30		15.1	73	517.2500	13.30	-0.90		14.2
R (31)	265.2625	13.90	-2.10		16	74	523.2500	13.60	-1.00		14.6
S (32)	271.2625	13.00	-0.40		13.4	75	529.2500	13.70	-1.00		14.7
T (33)	277.2625	12.90	-1.40		14.3	76	535.2500	13.30	-0.90		14.2
U (34)	283.2625	13.10	0.70		12.4	77	541.2500	13.20	-0.90		14.1
V (35)	289.2625	14.30	-0.90		15.2	78	547.2500	13.90	-0.90		14.8
W (36)	295.2625	14.40	-0.10		14.5	79	553.2500	N/A	N/A		N/A
AA (37)	301.2625	14.40	0.70		13.7	80	559.2500	13.70	-0.40		14.1
BB (38)	307.2625	14.60	0.30		14.3	81	565.2500	N/A	N/A		N/A
CC (39)	313.2625	14.40	0.80		13.6						

Min Channel	:	XX(60)	11.300
Max Channel	:	JJ(46)	16.000
Peak to Valley	:	4.7	

TESTPOINT 6, PAGE 3

TIME WARNER CABLE - SYRACUSE DIVISION

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

System Name : Syracuse ***Date*** : 1/19/2005

Performed By : Jeremy Bellinger

tion : County Route 7 / Oswego

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

CHANNEL NUMBER	IN CHANNEL RESPONSE	CARRIER TO NOISE RATIO	DISTORTIONS	CSO	HUM
	(+/- DB)	(DB)	(-DBC) CTB		(%)
4	0.5	48.6	69.2	76.2	0.6
14	0.4	48.1	62.4	76.0	
20	0.1	47.3	63.5	77.3	
13	0.2	48.5	63.5	75.4	
35	0.3	47.9	64.4	70.0	
43	0.5	48.9	63.4	68.2	
49	0.5	48.3	64.4	69.5	
61	0.4	46.9	62.6	65.7	
77	0.6	47.1	65.6	61.1	

TIME WARNER CABLE - SYRACUSE DIVISION

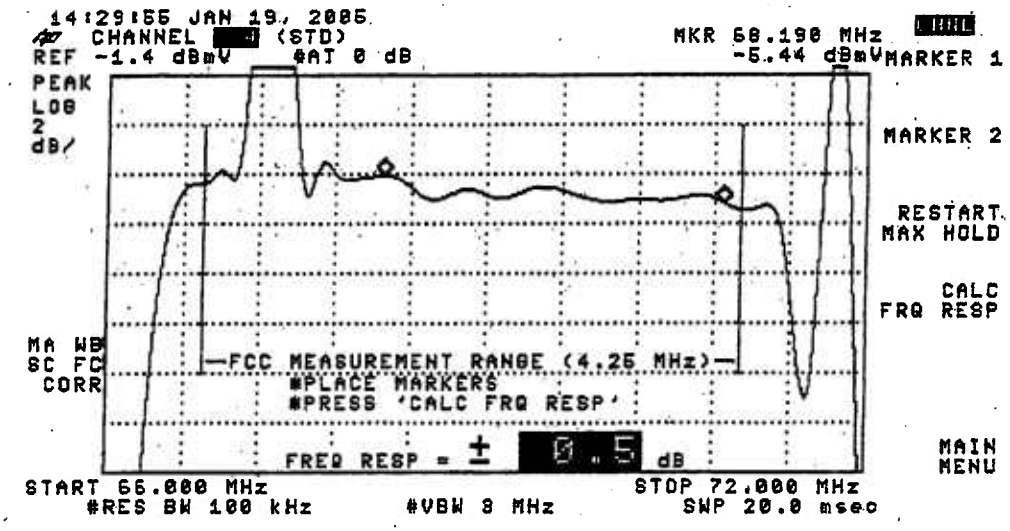
IN CHANNEL FREQUENCY RESPONSE TEST
(76.605) (a) (6)

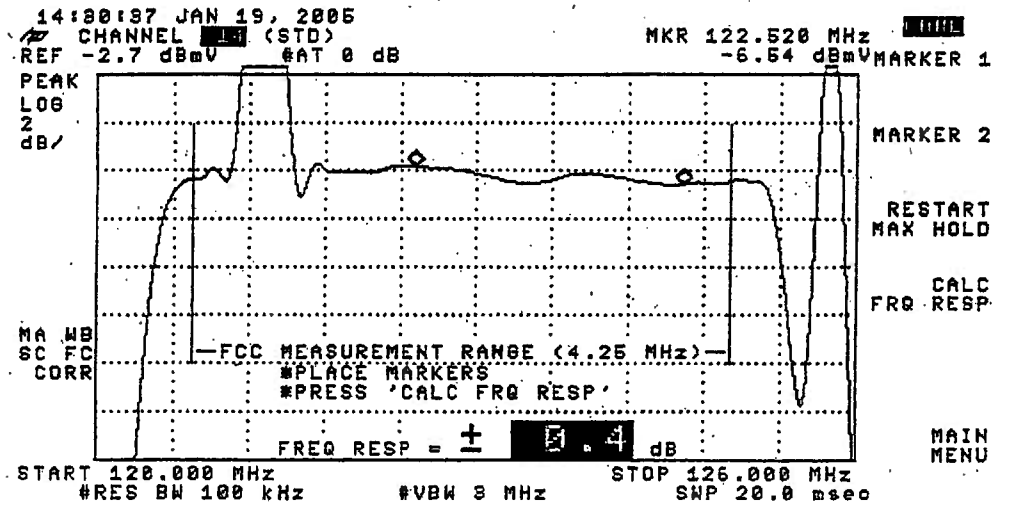
System Name : Syracuse ***Date*** : 01/19/2005

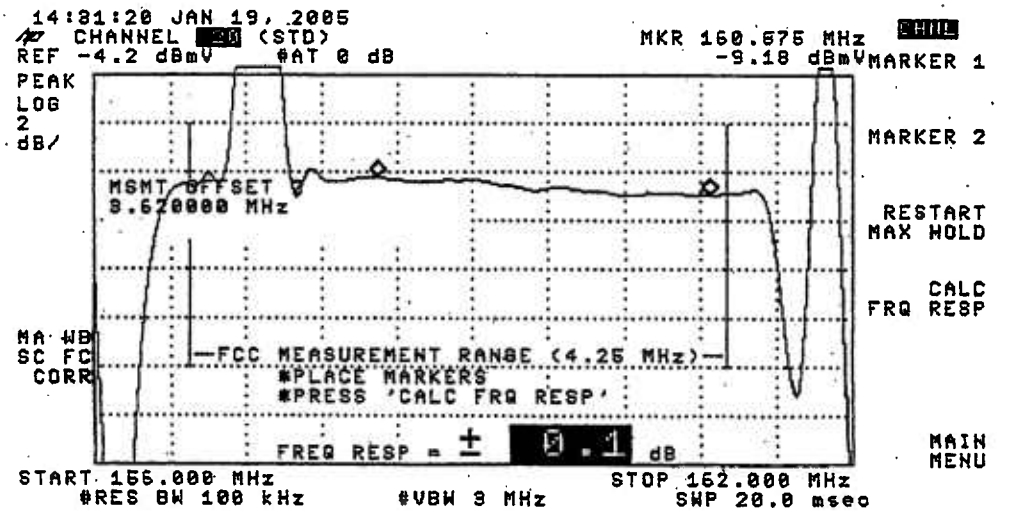
Performed By : Jeremy Bellinger

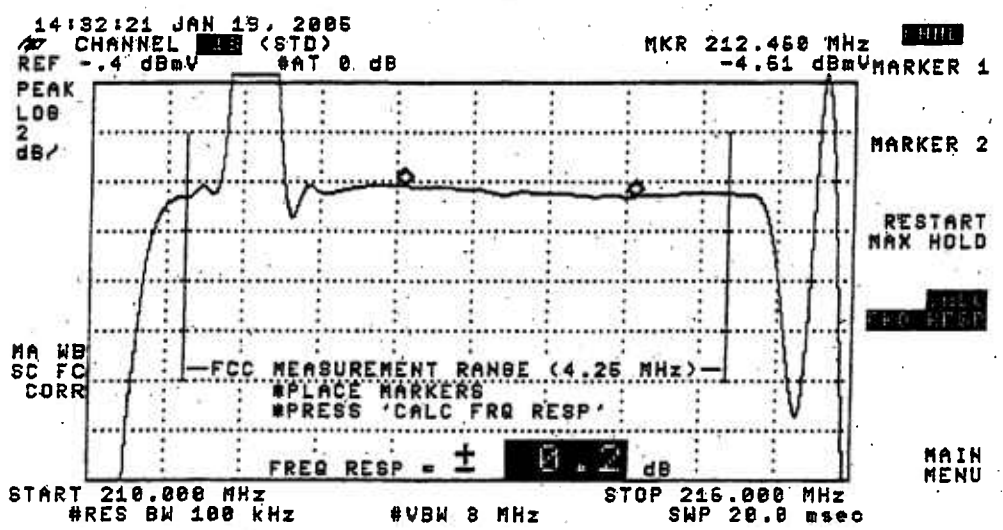
Location : County Route 7 / Oswego

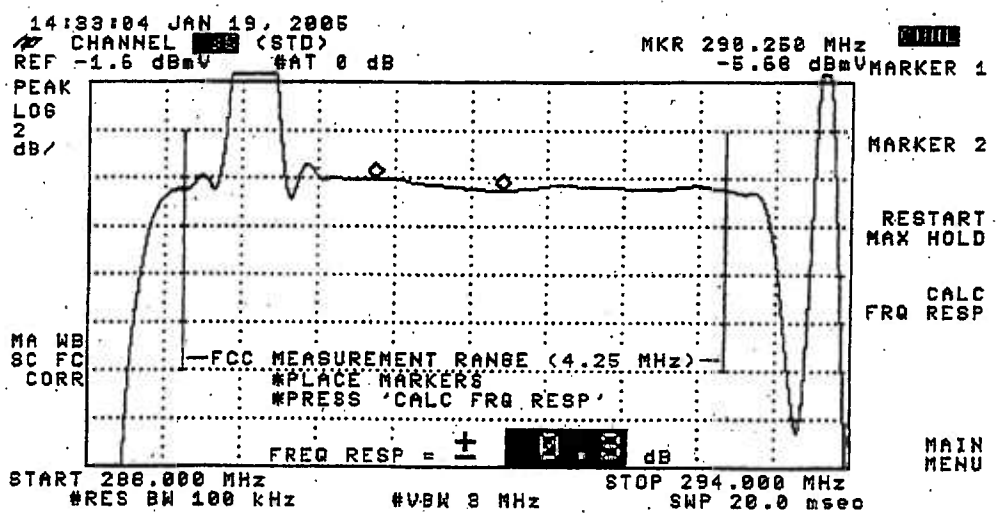
(SEE THE ATTACHED SWEEP TRACES)

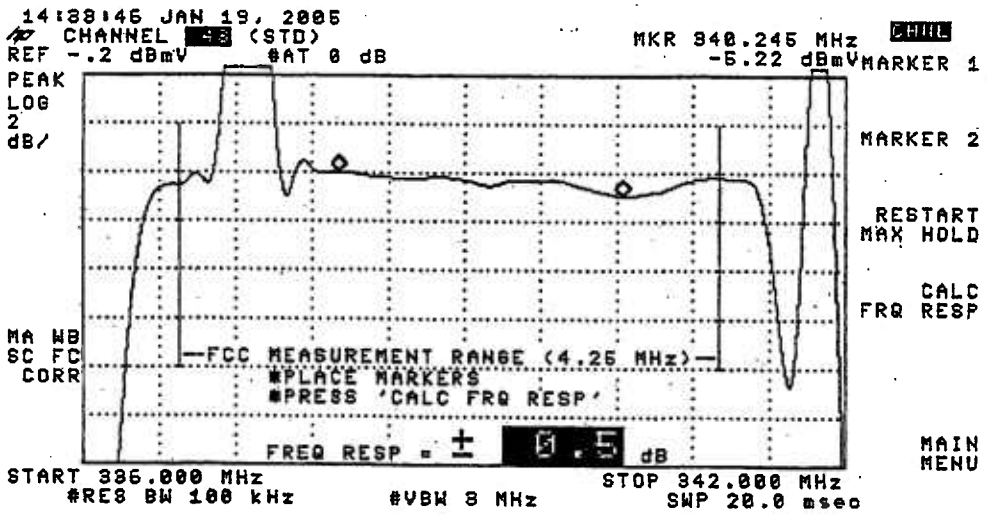

14:29:55 JAN 19, 2005
CHANNEL (STD)
REF -1.4 dBmV
#AT 0 dB
MKR 58.190 MHz
-5.44 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
START 66.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 72.000 MHz
SWP 20.0 msec

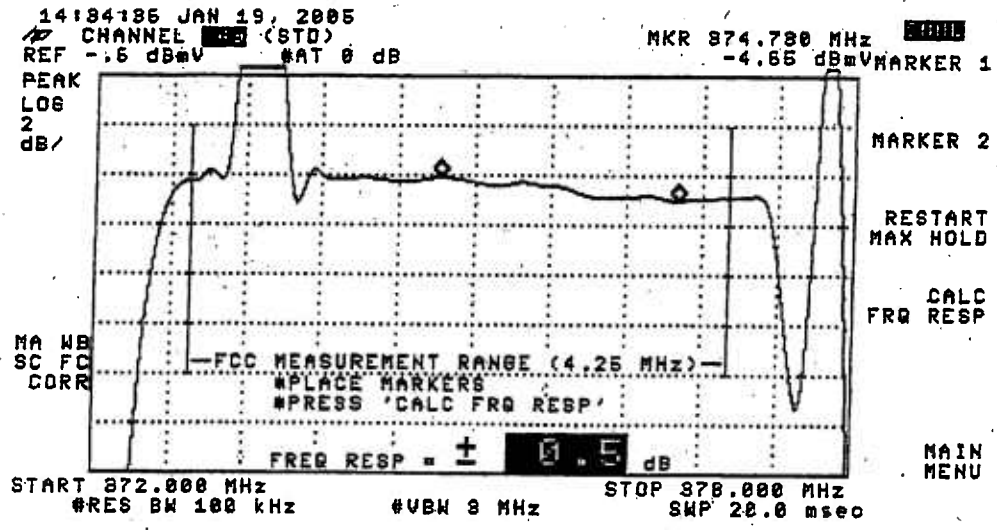

14:30:37 JAN 19, 2005
CHANNEL (STD)
REF -2.7 dBmV
#AT 0 dB
MKR 122.520 MHz
-6.54 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 120.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 126.000 MHz
SWP 20.0 msec

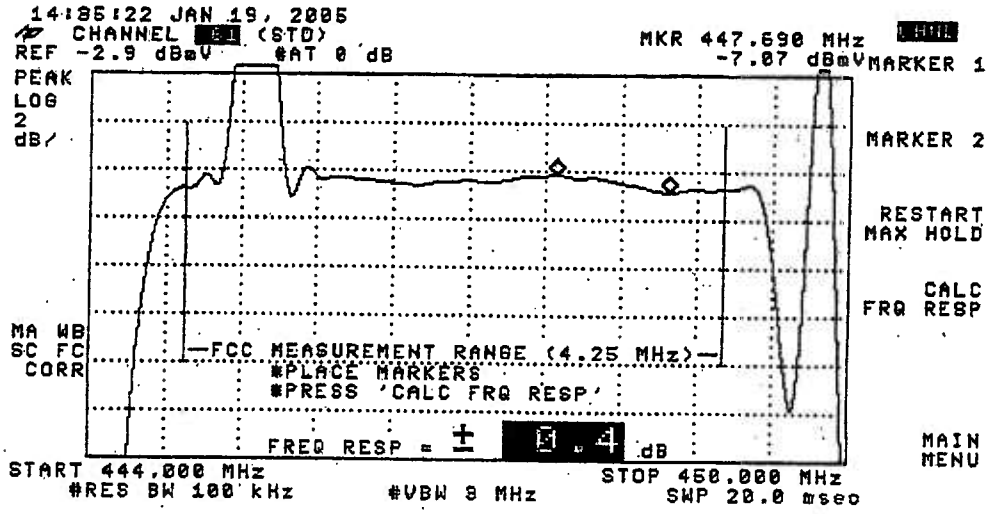

14:31:20 JAN 19, 2005
CHANNEL (STD)
REF -4.2 dBmV
#AT 0 dB
MKR 160.675 MHz
-9.18 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
MSMT OFFSET
3.670000 MHz
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.1 dB
MAIN
MENU
START 156.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 162.000 MHz
SWP 20.0 msec

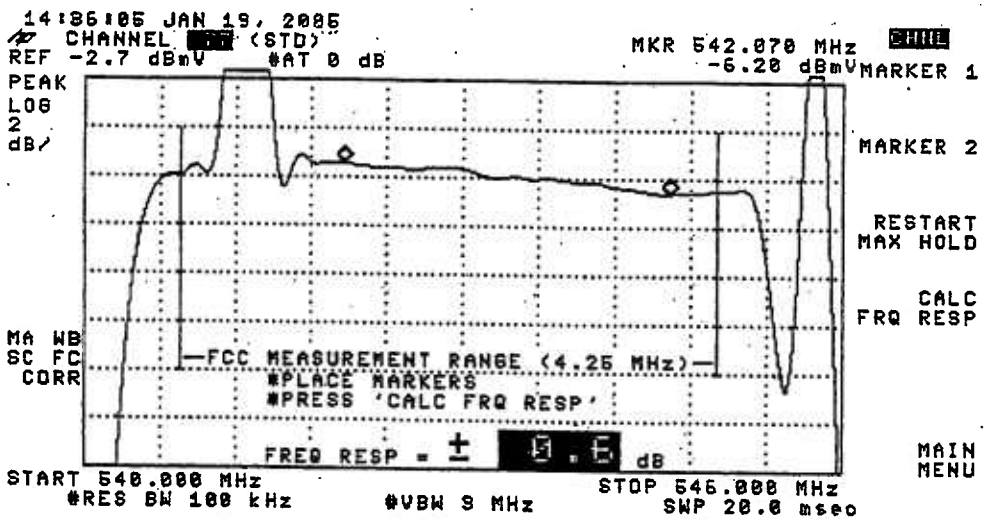

14:32:21 JAN 19, 2005
CHANNEL (STD)
REF -.4 dBmV
#AT 0 dB
MKR 212.450 MHz
-4.61 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 210.000 MHz
#RES BW 100 kHz
#VBW 8 MHz
STOP 216.000 MHz
SWP 20.0 msec

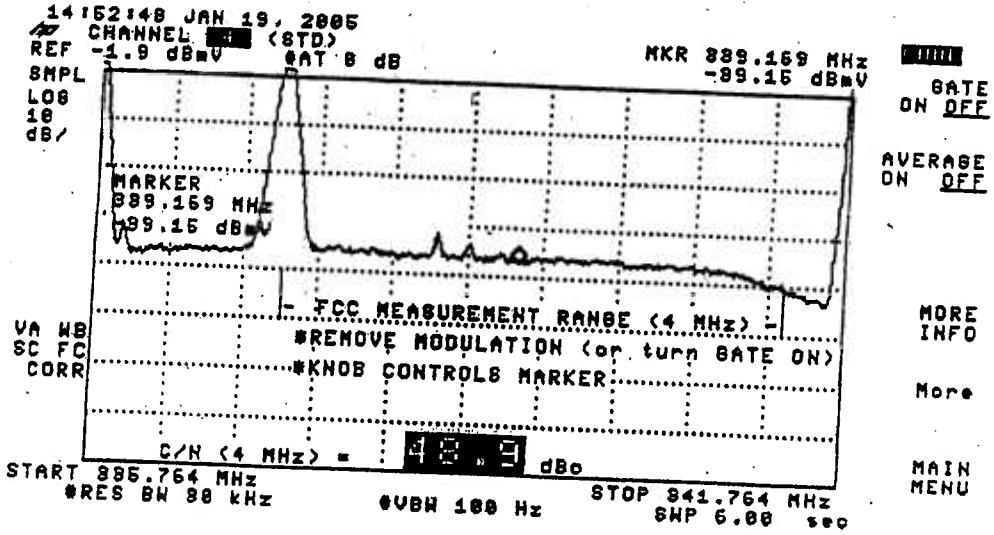

14:33:04 JAN 19, 2005
CHANNEL (STD)
REF -1.6 dBmV
#AT 0 dB
MKR 290.250 MHz
-5.60 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 288.000 MHz
#RES BW 100 kHz
#VBW 8 MHz
STOP 294.000 MHz
SWP 20.0 msec

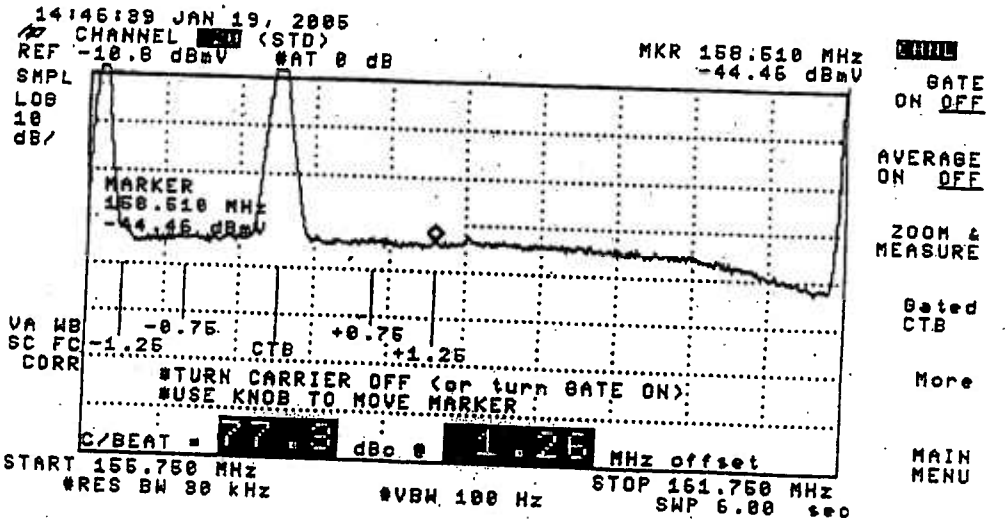

14:38:46 JAN 19, 2005
CHANNEL (STD)
REF -.2 dBmV
#AT 0 dB
MKR 340.245 MHz
-5.22 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
START 336.000 MHz
#RES BW 100 kHz
#VBW 8 MHz
STOP 342.000 MHz
SWP 20.0 msec

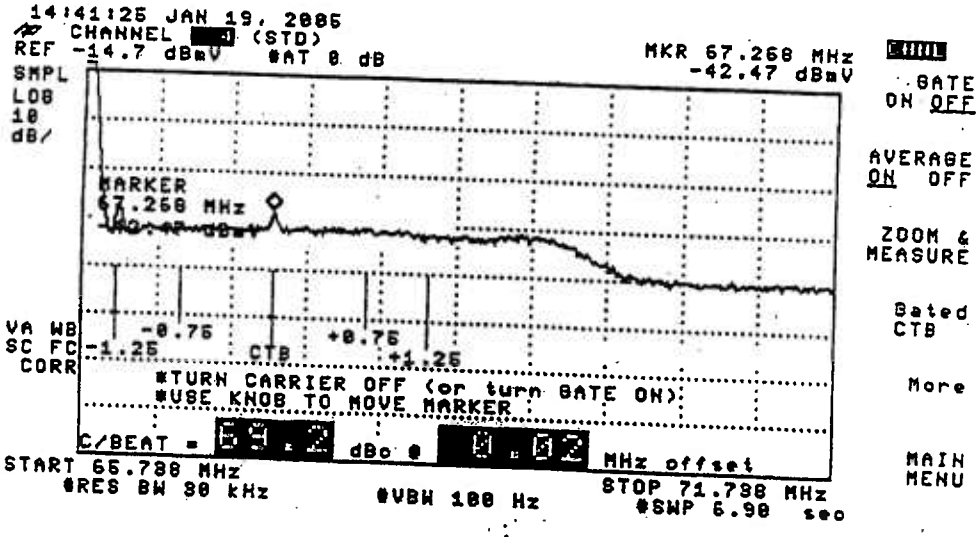

14:34:36 JAN 19, 2005
CHANNEL (STD)
REF -.6 dBmV
#AT 0 dB
MKR 874.780 MHz
-4.65 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
START 872.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 878.000 MHz
SWP 20.0 msec


14:35:22 JAN 19, 2005
CHANNEL (STD)
REF -2.9 dBmV
#AT 0 dB
MKR 447.690 MHz
-7.07 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 = ± 0.4 dB
MAIN
MENU
START 444.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 450.000 MHz
SWP 20.0 msec


14:36:05 JAN 19, 2005
CHANNEL (STD)
REF -2.7 dBmV
#AT 0 dB
MKR 542.070 MHz
-6.20 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 = ± 0.6 dB
MAIN
MENU
START 540.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 546.000 MHz
SWP 20.0 msec


14:52:48 JAN 19, 2005
CHANNEL (STD)
REF -1.9 dBmV
#AT 0 dB
MKR 889.169 MHz
-89.15 dBmV
SMPL
LOG
10
dB/
MARKER
889.169 MHz
-89.15 dBmV
GATE
ON OFF
AVERAGE
ON OFF
FCC MEASUREMENT RANGE (4 MHz)
VA WB
SC FC
CORR
#REMOVE MODULATION (or turn GATE ON)
#KNOB CONTROLS MARKER
MORE
INFO
More
C/N (4 MHz) = 48.9 dBc
START 885.764 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 941.764 MHz
SWP 6.00 sec
MAIN
MENU


14:46:39 JAN 19, 2005
CHANNEL (STD)
REF -10.8 dBmV
#AT 0 dB
MKR 158.510 MHz
-44.46 dBmV
SMPL
LOG
10
dB/
MARKER
158.510 MHz
-44.46 dBmV
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
Gated
CTB
VA WB
SC FC
CORR
-0.75
-1.25
CTB
+0.75
+1.25
#TURN CARRIER OFF (or turn GATE ON)
#USE KNOB TO MOVE MARKER
More
C/BEAT = 77.3 dBc @ 1.26 MHz offset
START 155.750 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 161.750 MHz
SWP 6.00 sec
MAIN
MENU


14:41:25 JAN 19, 2005
CHANNEL (STD)
REF -14.7 dBmV
#AT 0 dB
MKR 67.268 MHz
-42.47 dBmV
SMPL
LOG
10
dB/
MARKER
67.268 MHz
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
Gated
CTB
VA WB
SC FC
CORR
-0.75
-1.25
CTB
+0.75
+1.25
#TURN CARRIER OFF (or turn GATE ON)
#USE KNOB TO MOVE MARKER
More
C/BEAT = 69.2 dBc @ 0.02 MHz offset
START 65.738 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 71.738 MHz
#SWP 6.00 sec
MAIN
MENU

15:05:28 JAN 19, 2005
CHANNEL [redacted] (STD)
REF 16.1 dBmV #AT 0 dB

MKR Δ -89.125 msec
-.07 dB

PEAK
LOG
1
dB/

WA SB
SC FC
CORR

HUM/LOW FREQ DISTURBANCES = [redacted]%
Video Modulation: OFF

MORE
INFO

MAIN
MENU

START 67.285 MHz
#RES BW 1.0 MHz #VBW 1 kHz

STOP 67.285 MHz
#SWP 50.0 msec

TESTPOINT 6, PAGE 5

TIME WARNER CABLE - SYRACUSE DIVISION

VISUAL CARRIER LEVEL VARIATION TEST

System Name	: Syracuse	***Test Location***	: County Route 7 / Oswego
Date	: 01/13/2005	***Performed By***	: M. Johnson
Meter Serial Number	: US39234376		

		TEMP F							TEMP F				
		60.26	61.34	64.04	62.42				60.26	61.34	64.04	62.42	
		TIME							TIME				
		07:26:00	13:25:00	19:26:00	01:34:00				07:26:00	13:25:00	19:26:00	01:34:00	
CHAN	FREQ (MHZ)	VISUAL LEVEL (DBMV)				MAX VAR	CHAN	FREQ (MHZ)	VISUAL LEVEL (DBMV)				MAX VAR
2	55.2500	12.90	12.60	12.60	11.90	1	DD (40)	319.2625	15.200	15.000	15.300	15.200	0.3
3	61.2500	13.70	13.40	13.50	13.20	0.5	EE (41)	325.2625	15.000	15.000	14.800	14.700	0.3
4	67.2500	12.90	12.90	13.00	12.80	0.2	FF (42)	331.2750	15.600	15.600	15.600	15.500	0.1
5	77.2500	13.10	12.90	12.70	12.50	0.6	GG (43)	337.2625	15.200	15.000	15.100	15.200	0.2
6	83.2500	12.70	12.60	12.40	12.30	0.4	HH (44)	343.2625	15.500	15.300	15.400	14.900	0.6
A-5 (95)	91.2500						II (45)	349.2625	15.100	14.900	14.600	15.100	0.5
A-4 (96)	97.2500	12.40	12.10	12.20	11.80	0.6	JJ (46)	355.2625	16.000	15.800	15.800	16.000	0.2
A-3 (97)	103.2500						KK (47)	361.2625	15.700	15.600	15.700	15.500	0.2
[illegible] (98)	109.2750						LL (48)	367.2625	15.300	15.300	15.200	15.000	0.3
[illegible] (99)	115.2750	11.50	11.20	11.30	11.10	0.4	MM (49)	373.2625	14.900	15.000	15.000	14.300	0.7
A (14)	121.2625	12.30	11.80	11.90	11.40	0.9	NN (50)	379.2625	14.400	14.300	14.400	14.000	0.4
B (15)	127.2625	11.70	11.30	11.40	11.40	0.4	OO (51)	385.2625	14.300	14.100	14.200	14.300	0.2
C (16)	133.2625	11.60	11.80	11.80	11.70	0.2	PP (52)	391.2625	14.700	14.400	14.600	14.500	0.3
D (17)	139.2500	11.40	11.30	11.80	11.20	0.2	QQ (53)	397.2625	14.700	14.600	14.600	14.700	0.1
E (18)	145.2500	12.10	12.10	12.20	11.90	0.3	RR (54)	403.2500	14.600	14.400	14.700	14.500	0.3
F (19)	151.2210	12.46	11.90	12.20	12.20	0.5	SS (55)	409.2500	14.300	14.000	14.100	13.700	0.6
G (20)	157.2500	11.70	11.60	11.50	11.20	0.5	TT (56)	415.2500	12.900	12.700	12.700	12.700	0.2
H (21)	163.2500	12.30	12.10	12.00	11.70	0.6	UU (57)	421.2500	12.600	12.500	12.600	12.500	0.1
I (22)	169.2500	12.90	12.80	12.80	12.50	0.6	VV (58)	427.2500	12.300	12.100	12.200	12.100	0.2
7	175.2500	13.20	13.00	13.00	12.70	0.5	WW (59)	433.2500	11.800	11.300	11.800	11.500	0.5
8	181.2500	13.50	13.70	12.60	13.30	1.1	XX (60)	439.2500	11.300	11.100	11.400	11.500	0.4
9	187.2500	13.90	13.60	13.50	13.40	0.5	YY (61)	445.2500	12.100	11.900	11.600	11.800	0.5
10	193.2500	14.30	14.20	14.10	13.90	0.4	ZZ (62)	451.2500	12.500	12.200	12.300	12.200	0.3
11	199.2500	14.10	13.80	14.00	13.80	0.3	63	457.2500	13.000	12.900	12.800	12.800	0.2
12	205.2500	14.40	14.40	14.30	14.20	0.2	64	463.2500	13.000	12.800	13.000	13.000	0.2
13	211.2500	14.70	14.40	14.30	14.30	0.4	65	469.2500	12.800	12.800	13.000	12.800	0.2
J (23)	217.2500	14.10	14.00	13.90	13.80	0.3	66	475.2500	13.100	13.000	12.900	12.800	0.3
K (24)	223.2500	13.20	13.50	13.30	13.20	0.3	67	481.2500	12.900	13.000	13.000	13.000	0.1
L (25)	229.2625	13.40	13.10	13.50	13.20	0.4	68	487.2500	13.500	13.300	13.300	13.300	0.2
[illegible] (26)	235.2625	13.00	13.30	13.60	13.60	0.6	69	493.2500	13.700	13.200	13.400	13.200	0.5
[illegible]	241.2625	14.20	13.70	13.60	13.50	0.7	70	499.2500	13.800	13.500	13.500	13.200	0.6
[illegible] (28)	247.2625	14.10	14.20	14.10	13.50	0.7	71	505.2500	14.100	13.800	13.500	13.500	0.6
P (29)	253.2625	14.40	14.00	14.20	14.10	0.4	72	511.2500	13.900	13.800	13.700	13.600	0.3
Q (30)	259.2625	13.80	13.50	13.70	13.30	0.5	73	517.2500	13.300	13.200	13.400	13.400	0.2
R (31)	265.2625	13.90	14.10	14.00	13.60	0.5	74	523.2500	13.600	13.700	13.600	13.600	0.1
S (32)	271.2625	13.00	13.00	13.10	12.70	0.4	75	529.2500	13.700	13.500	13.500	13.600	0.2
T (33)	277.2625	12.90	12.90	12.90	12.60	0.3	76	535.2500	13.300	13.200	13.600	13.300	0.4
U (34)	283.2625	13.10	13.20	13.20	12.80	0.4	77	541.2500	13.200	13.200	13.400	13.400	0.2
V (35)	289.2625	14.30	14.20	14.00	14.00	0.3	78	547.2500	13.900	14.000	14.200	14.000	0.3
W (36)	295.2625	14.40	14.40	14.20	14.10	0.3	79	553.2500					
AA (37)	301.2625	14.40	14.20	14.20	14.20	0.2	80	559.2500	13.700	14.200	13.800	14.200	0.5
BB (38)	307.2625	14.60	14.40	14.20	14.20	0.4	81	565.2500					
CC (39)	313.2625	14.40	14.70	14.80	14.50	0.4							

Max Non Adjacent Channel Level Diff	:- 4.9
Max Adjacent Channel Level Diff	:- 1.4
Max Variance from last proof of performance test	:- N/A
Date of last proof of performance test	:- N/A

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

TESTPOINT 5, PAGE 5

TIME WARNER CABLE - SYRACUSE DIVISION

VISUAL CARRIER LEVEL VARIATION TEST

System Name : Syracuse
Date : 01/13/2005
Meter Serial Number : US39234376
Test Location : Rathburn Road / Oswego
Performed By : M. Johnson

		TEMP F							TEMP F				
		61.70	62.06	64.04	62.78				61.70	62.06	64.04	62.78	
		TIME							TIME				
		07:18:00	13:17:00	19:19:00	01:24:00				07:18:00	13:17:00	19:19:00	01:24:00	
CHAN	FREQ (MHZ)	VISUAL LEVEL (DBMV)				MAX VAR	CHAN	FREQ (MHZ)	VISUAL LEVEL (DBMV)				MAX VAR
2	55.2500	14.20	13.80	14.10	13.70	0.5	DD (40)	319.2625	17.800	18.100	18.000	17.500	0.6
3	61.2500	15.70	15.30	15.40	15.00	0.7	EE (41)	325.2625	17.100	17.300	17.300	17.000	0.3
4	67.2500	14.70	14.80	14.90	14.70	0.2	FF (42)	331.2750	17.700	17.500	17.500	17.300	0.4
5	77.2500	15.30	15.30	15.30	14.90	0.4	GG (43)	337.2625	17.700	17.700	17.600	17.400	0.3
6	83.2500	14.70	14.60	14.60	14.60	0.1	HH (44)	343.2625	17.700	17.900	17.600	17.600	0.3
A-5 (95)	91.2500						II (45)	349.2625	17.500	17.400	17.100	17.200	0.4
A-4 (96)	97.2500	14.80	14.70	14.80	14.60	0.2	JJ (46)	355.2625	17.900	18.000	17.700	17.800	0.3
A-3 (97)	103.2500						KK (47)	361.2625	17.400	17.500	17.400	16.900	0.6
[illegible]	109.2750						LL (48)	367.2625	17.000	17.100	16.600	16.600	0.5
[illegible]	115.2750	14.10	14.00	14.00	13.60	0.5	MM (49)	373.2625	16.700	16.800	16.800	16.500	0.3
[illegible]	121.2625	14.90	14.60	14.50	14.00	0.9	NN (50)	379.2625	16.700	16.600	16.400	16.300	0.4
B (15)	127.2625	14.50	14.30	14.40	14.10	0.4	OO (51)	385.2625	16.700	16.800	16.400	16.200	0.6
C (16)	133.2625	15.00	14.70	14.70	14.70	0.3	PP (52)	391.2625	16.400	16.500	16.200	16.100	0.4
D (17)	139.2500	14.20	14.10	14.20	13.80	0.4	QQ (53)	397.2625	16.600	16.800	16.500	16.500	0.3
E (18)	145.2500	14.70	14.60	14.70	14.30	0.4	RR (54)	403.2500	16.900	17.000	16.600	16.600	0.4
F (19)	151.3210	15.10	14.70	14.70	14.50	0.6	SS (55)	409.2500	16.700	16.600	16.400	16.300	0.4
G (20)	157.2500	14.20	14.20	14.30	14.00	0.3	TT (56)	415.2500	15.000	15.500	15.300	15.000	0.5
H (21)	163.2500	14.90	14.60	14.70	14.60	0.3	UU (57)	421.2500	15.100	15.400	15.200	14.900	0.5
I (22)	169.2500	15.50	15.10	15.30	15.20	0.4	VV (58)	427.2500	14.600	14.500	14.600	14.400	0.2
7	175.2500	15.50	15.40	15.40	14.80	0.7	WW (59)	433.2500	13.300	13.600	13.400	13.600	0.3
8	181.2500	16.40	16.00	16.00	15.60	0.8	XX (60)	439.2500	14.200	14.000	14.000	14.100	0.2
9	187.2500	16.20	16.10	16.00	15.80	0.4	YY (61)	445.2500	14.900	15.000	14.800	14.800	0.2
10	193.2500	16.70	16.50	16.60	15.90	0.8	ZZ (62)	451.2500	15.500	15.400	15.300	15.300	0.2
11	199.2500	16.40	16.00	16.10	15.70	0.7	63	457.2500	15.800	15.800	15.600	15.400	0.4
12	205.2500	16.60	16.20	16.10	15.90	0.7	64	463.2500	16.100	16.000	16.000	15.800	0.3
13	211.2500	16.60	16.30	16.20	16.00	0.6	65	469.2500	15.400	15.700	15.200	15.100	0.6
J (23)	217.2500	15.80	15.60	15.30	15.40	0.5	66	475.2500	15.100	15.000	14.700	14.600	0.5
K (24)	223.2500	15.60	15.50	15.10	14.90	0.7	67	481.2500	15.500	15.800	16.100	15.100	1
L (25)	229.2625	15.40	15.80	15.60	15.30	0.5	68	487.2500	15.600	15.600	15.500	15.300	0.3
M (26)	235.2625	16.00	15.70	15.70	15.70	0.3	69	493.2500	15.300	14.700	15.200	14.900	0.6
[illegible]	241.2625	16.10	16.00	15.90	15.60	0.5	70	499.2500	15.400	14.900	15.000	14.600	0.8
[illegible]	247.2625	16.90	16.60	16.60	15.80	1.1	71	505.2500	15.500	15.200	14.900	14.500	1
P (29)	253.2625	16.80	16.90	16.30	16.40	0.6	72	511.2500	14.600	14.300	14.500	14.200	0.4
Q (30)	259.2625	16.40	16.90	16.20	16.30	0.7	73	517.2500	13.600	13.800	13.800	13.500	0.3
R (31)	265.2625	16.90	17.00	16.80	16.60	0.4	74	523.2500	14.000	13.900	13.800	13.900	0.2
S (32)	271.2625	16.20	16.40	16.20	16.20	0.2	75	529.2500	14.500	14.300	14.400	14.200	0.3
T (33)	277.2625	16.30	16.30	16.30	15.70	0.6	76	535.2500	13.800	13.800	13.700	13.900	0.2
U (34)	283.2625	17.10	17.10	16.60	16.60	0.5	77	541.2500	13.800	13.700	14.000	13.900	0.3
V (35)	289.2625	16.50	16.30	16.00	16.20	0.5	78	547.2500	14.200	13.800	13.800	13.700	0.5
W (36)	295.2625	16.80	16.70	16.60	16.50	0.3	79	553.2500					
AA (37)	301.2625	17.30	17.20	17.10	17.20	0.2	80	559.2500	13.300	12.900	12.700	12.900	0.6
BB (38)	307.2625	17.50	17.50	17.10	17.10	0.4	81	565.2500					
CC (39)	313.2625	17.30	17.30	17.20	16.90	0.4							

Max Non Adjacent Channel Level Diff :- 5.3
Max Adjacent Channel Level Diff :- 1.7
Max Variance from last proof of performance test :- N/A
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	:	Syracuse
System Test Point #	:	5
Hub Name	:	Oswego Hub
Location	:	Rathburn Road / Oswego
Map Number	:	233-5772
Pole Number	:	Pole # 3
D.T. Value	:	20/2
OR Number	:	257
GNA Cascade	:	Node + 6
LE Cscade	:	0

TESTPOINT 5, PAGE 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	: Syracuse	**Test Location**	: Rathburn Road / Oswego
Date	: 01/13/2005	**Time**	: 07:18:00

CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)	CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)
2	55.2500	14.20	0.50		13.7	DD (40)	319.2625	17.80	3.80		14
3	61.2500	15.70	0.70		15	EE (41)	325.2625	17.10	2.60		14.5
4	67.2500	14.70	0.60		14.1	FF (42)	331.2750	17.70	3.20		14.5
5	77.2500	15.30	0		15.3	GG (43)	337.2625	17.70	3.60		14.1
6	83.2500	14.70	0.70		14	HH (44)	343.2625	17.70	3.50		14.2
A-5 (95)	91.2500	N/A	N/A		N/A	II (45)	349.2625	17.50	2.70		14.8
A-4 (96)	97.2500	14.80	0		14.8	JJ (46)	355.2625	17.90	2.80		15.1
A-3 (97)	103.2500	N/A	N/A		N/A	KK (47)	361.2625	17.40	2.80		14.6
A-2 (98)	109.2750	N/A	N/A		N/A	LL (48)	367.2625	17.00	1.90		15.1
A-1 (99)	115.2750	14.10	-0.90		15	MM (49)	373.2625	16.70	1.70		15
A (14)	121.2625	14.90	-0.10		15	NN (50)	379.2625	16.70	2.10		14.6
B (15)	127.2625	14.50	0		14.5	OO (51)	385.2625	16.70	1.80		14.9
C (16)	133.2625	15.00	0.30		14.7	PP (52)	391.2625	16.40	2.20		14.2
D (17)	139.2500	14.20	0.30		13.9	QQ (53)	397.2625	16.60	1.50		15.1
E (18)	145.2500	14.70	0		14.7	RR (54)	403.2500	16.90	1.90		15
F (19)	151.3210	15.10	0.40		14.7	SS (55)	409.2500	16.70	1.20		15.5
G (20)	157.2500	14.20	0		14.2	TT (56)	415.2500	15.00	0		15
H (21)	163.2500	14.90	0.30		14.6	UU (57)	421.2500	15.10	0.30		14.8
I (22)	169.2500	15.50	1.80		13.7	VV (58)	427.2500	14.60	0		14.6
7	175.2500	15.50	1.90		13.6	WW (59)	433.2500	13.30	-0.60		13.9
8	181.2500	16.40	1.50		14.9	XX (60)	439.2500	14.20	0.20		14
9	187.2500	16.20	1.30		14.9	YY (61)	445.2500	14.90	0.50		14.4
10	193.2500	16.70	1.60		15.1	ZZ (62)	451.2500	15.50	1.20		14.3
11	199.2500	16.40	1.80		14.6	63	457.2500	15.80	1.70		14.1
12	205.2500	16.60	1.10		15.5	64	463.2500	16.10	1.70		14.4
13	211.2500	16.60	0.50		16.1	65	469.2500	15.40	1.10		14.3
J (23)	217.2500	15.80	1.20		14.6	66	475.2500	15.10	1.00		14.1
K (24)	223.2500	15.60	0.60		15	67	481.2500	15.50	0.60		14.9
L (25)	229.2625	15.40	1.10		14.3	68	487.2500	15.60	0.70		14.9
M (26)	235.2625	16.00	1.30		14.7	69	493.2500	15.30	0.50		14.8
N (27)	241.2625	16.10	1.90		14.2	70	499.2500	15.40	1.00		14.4
O (28)	247.2625	16.90	2.10		14.8	71	505.2500	15.50	0.10		15.4
P (29)	253.2625	16.80	2.70		14.1	72	511.2500	14.60	-0.60		15.2
Q (30)	259.2625	16.40	1.70		14.7	73	517.2500	13.60	-0.40		14
R (31)	265.2625	16.90	1.10		15.8	74	523.2500	14.00	0		14
S (32)	271.2625	16.20	2.80		13.4	75	529.2500	14.50	-0.40		14.9
T (33)	277.2625	16.30	2.40		13.9	76	535.2500	13.80	-0.60		14.4
U (34)	283.2625	17.10	2.70		14.4	77	541.2500	13.80	-0.70		14.5
V (35)	289.2625	16.50	1.60		14.9	78	547.2500	14.20	-0.80		15
W (36)	295.2625	16.80	2.50		14.3	79	553.2500	N/A	N/A		N/A
AA (37)	301.2625	17.30	3.10		14.2	80	559.2500	13.30	-1.10		14.4
BB (38)	307.2625	17.50	3.00		14.5	81	565.2500	N/A	N/A		N/A
CC (39)	313.2625	17.30	3.70		13.6						

Min Channel	:	WW(59)	13.300
Max Channel	:	JJ(46)	17.900
Peak to Valley	:	4.6	

TESTPOINT 5, PAGE 3

TIME WARNER CABLE - SYRACUSE DIVISION

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

System Name : Syracuse ***Date*** : 1/19/2005

Performed By : Jeremy Bellinger

ion : Rathburn Road / Oswego

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

CHANNEL NUMBER	IN CHANNEL RESPONSE	CARRIER TO NOISE RATIO	DISTORTIONS	CSO	HUM
	(+/- DB)	(DB)	(-DBC) CTB		(%)
4	0.5	50.0	67.8	78.6	0.5
14	0.4	49.5	64.6	77.5	
20	0.3	49.4	65.4	75.0	
13	0.2	50.8	65.1	78.5	
35.	0.3	48.5	63.8	75.6	
43	0.4	50.4	64.7	73.8	
49	0.6	49.0	65.6	72.9	
61	0.3	48.4	63.3	63.3	
77	0.5	49.0	64.2	63.6	

TIME WARNER CABLE - SYRACUSE DIVISION

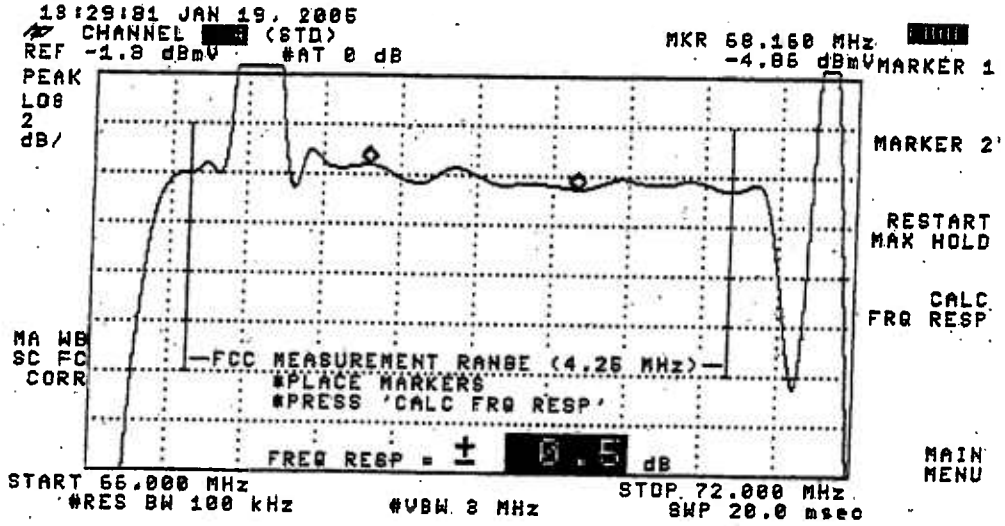
IN CHANNEL FREQUENCY RESPONSE TEST
(76.605) (a) (6)

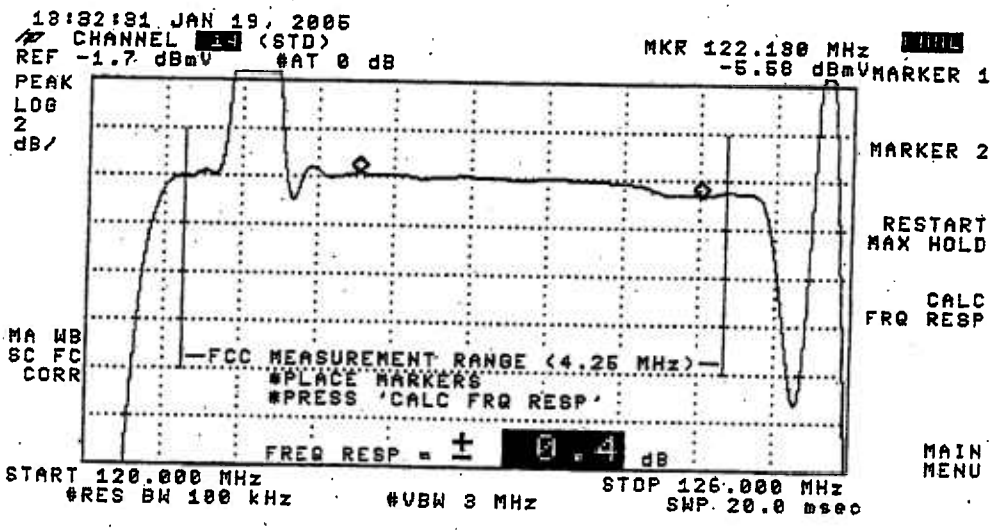
System Name : Syracuse ***Date*** : 01/19/2005

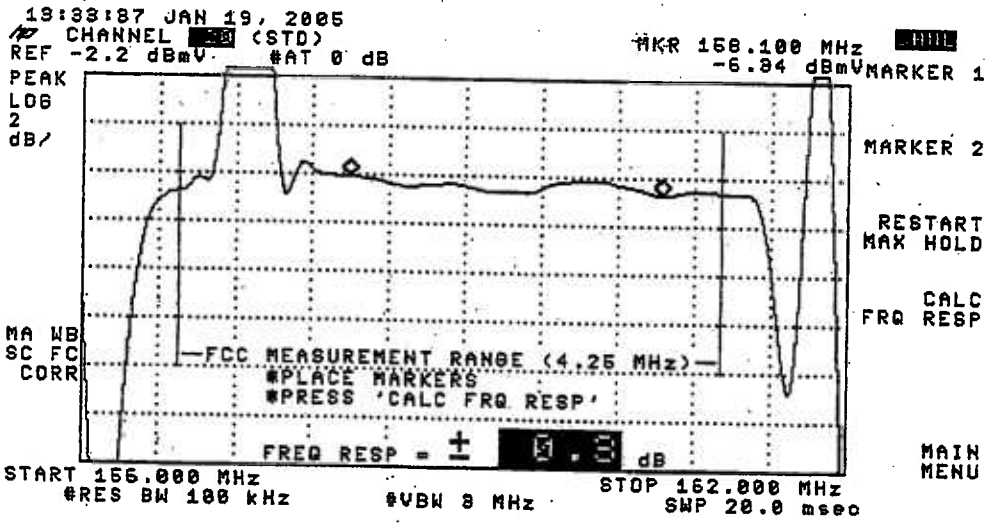
Performed By : Jeremy Bellinger

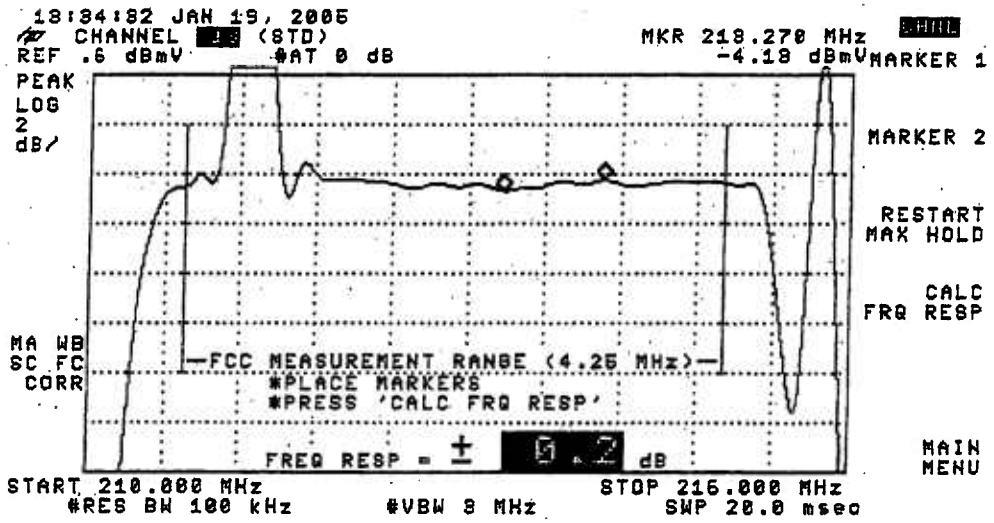
Location : Rathburn Road / Oswego

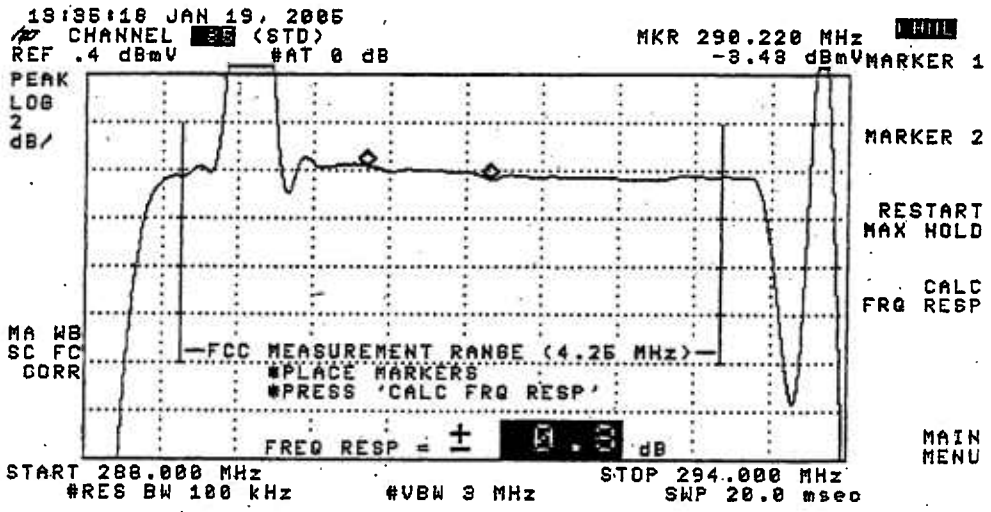
(SEE THE ATTACHED SWEEP TRACES)

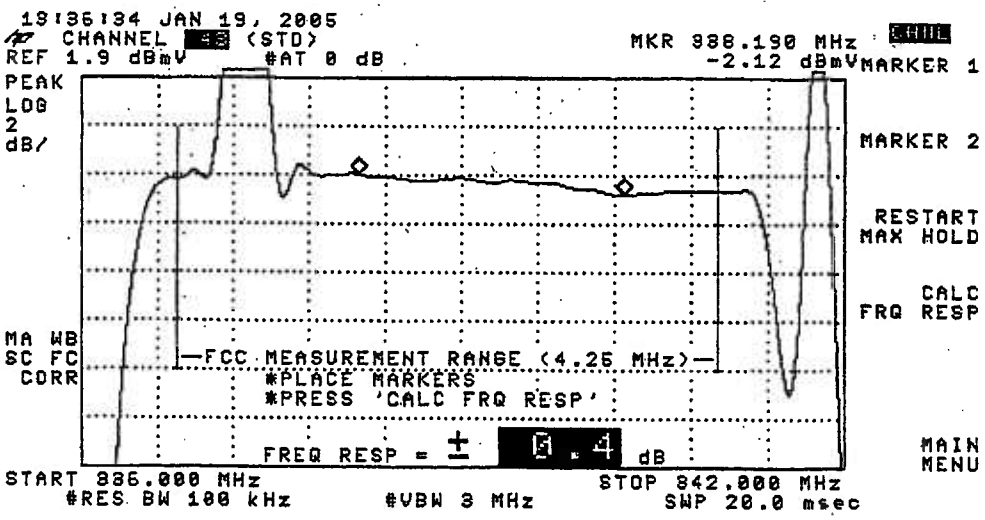

18:29:01 JAN 19, 2005
CHANNEL (STD)
REF -1.8 dBmV #AT 0 dB
MKR 68.160 MHz
-4.86 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
START 66.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 72.000 MHz
SWP 20.0 msec

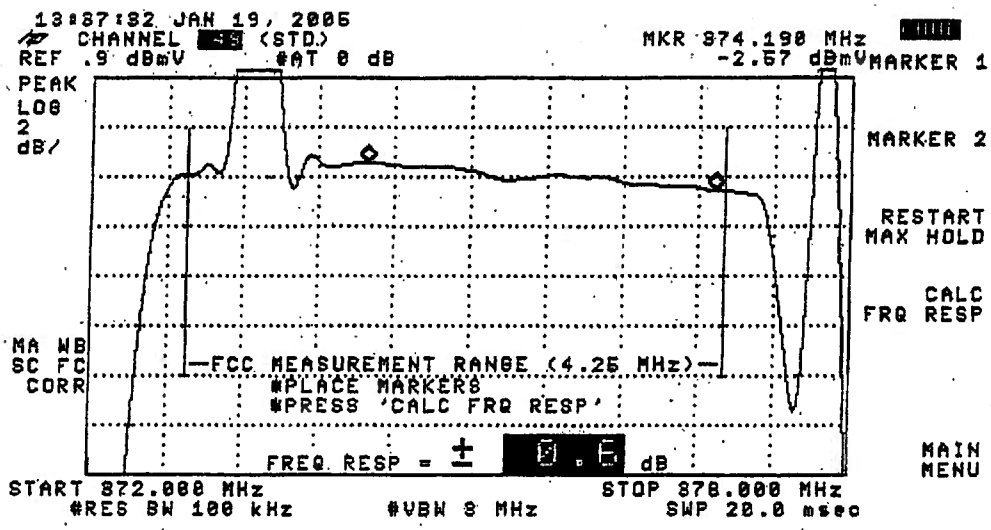

18:32:01 JAN 19, 2005
CHANNEL (STD)
REF -1.7 dBmV #AT 0 dB
MKR 122.180 MHz
-5.58 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 120.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 126.000 MHz
SWP 20.0 msec

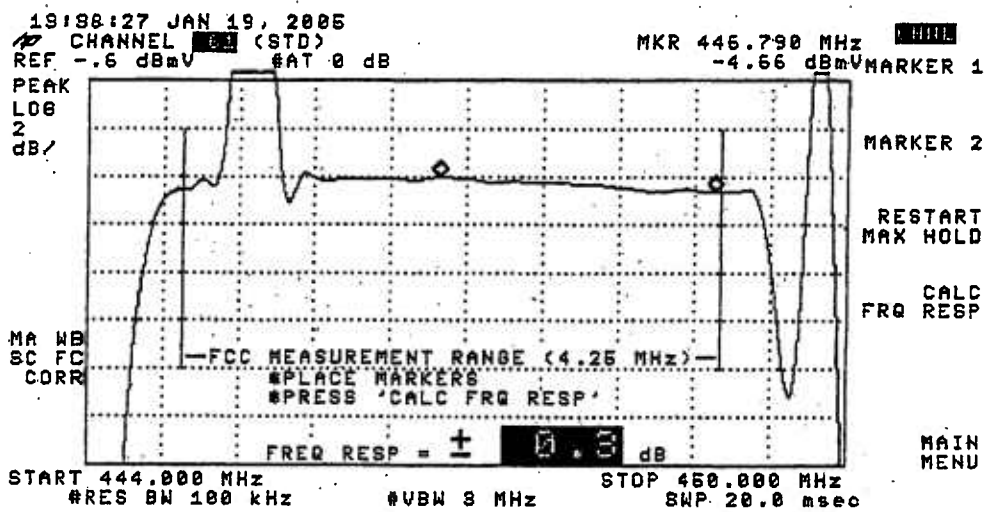

18:33:07 JAN 19, 2005
CHANNEL (STD)
REF -2.2 dBmV #AT 0 dB
MKR 158.100 MHz
-6.84 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 156.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 162.000 MHz
SWP 20.0 msec

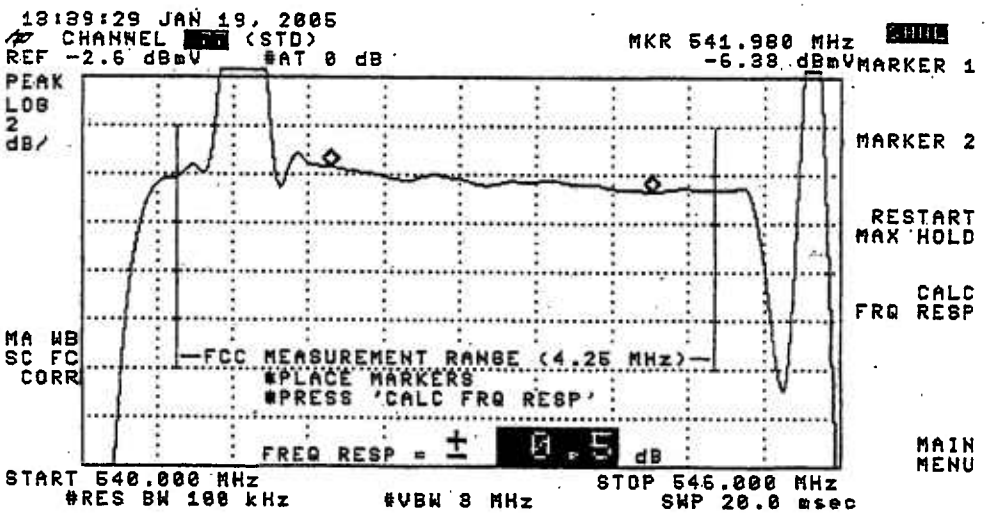

18:34:52 JAN 19, 2005
CHANNEL 2 (STD)
REF .6 dBmV
#AT 0 dB
MKR 218.270 MHz
-4.18 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 210.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 216.000 MHz
SWP 20.0 msec

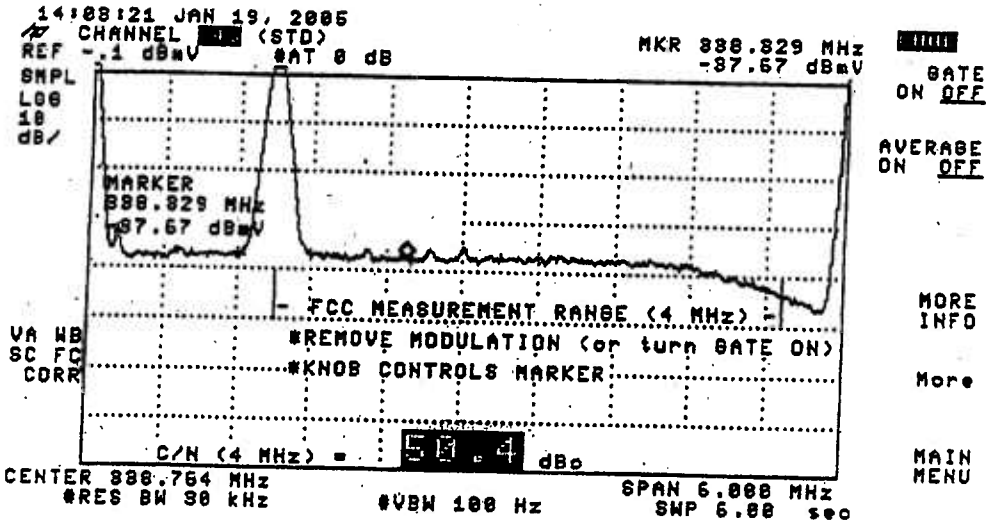

18:35:18 JAN 19, 2005
CHANNEL 35 (STD)
REF .4 dBmV
#AT 0 dB
MKR 290.220 MHz
-3.48 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 288.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 294.000 MHz
SWP 20.0 msec

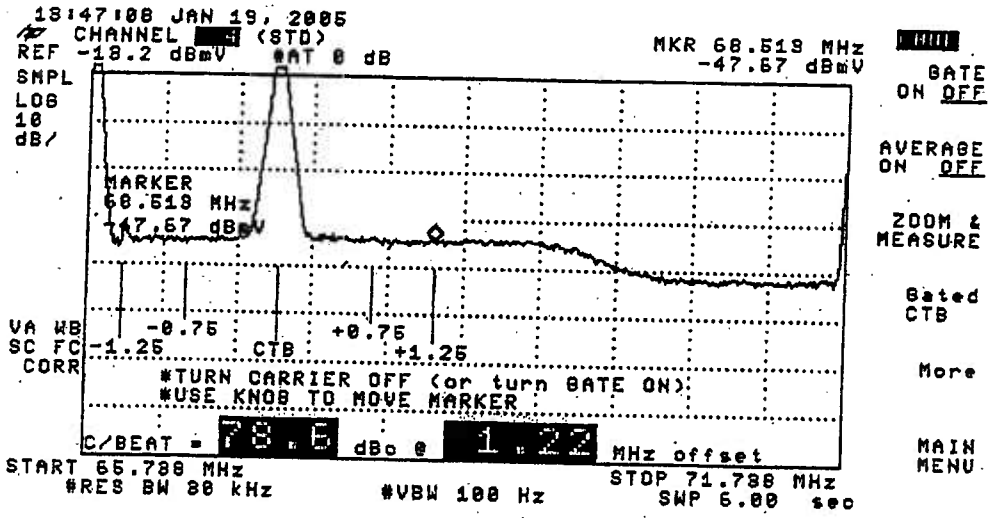

18:36:34 JAN 19, 2005
CHANNEL 48 (STD)
REF 1.9 dBmV
#AT 0 dB
MKR 838.190 MHz
-2.12 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 836.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 842.000 MHz
SWP 20.0 msec

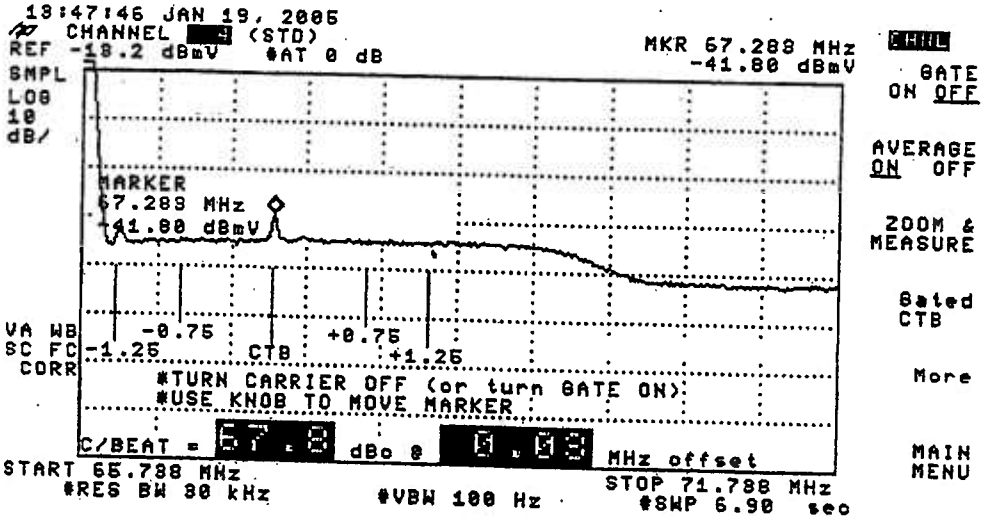

13:37:32 JAN 19, 2005
CHANNEL (STD)
REF .9 dBmV
#AT 0 dB
MKR 374.190 MHz
-2.57 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.6 dB
MAIN
MENU
START 372.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 378.000 MHz
SWP 20.0 msec

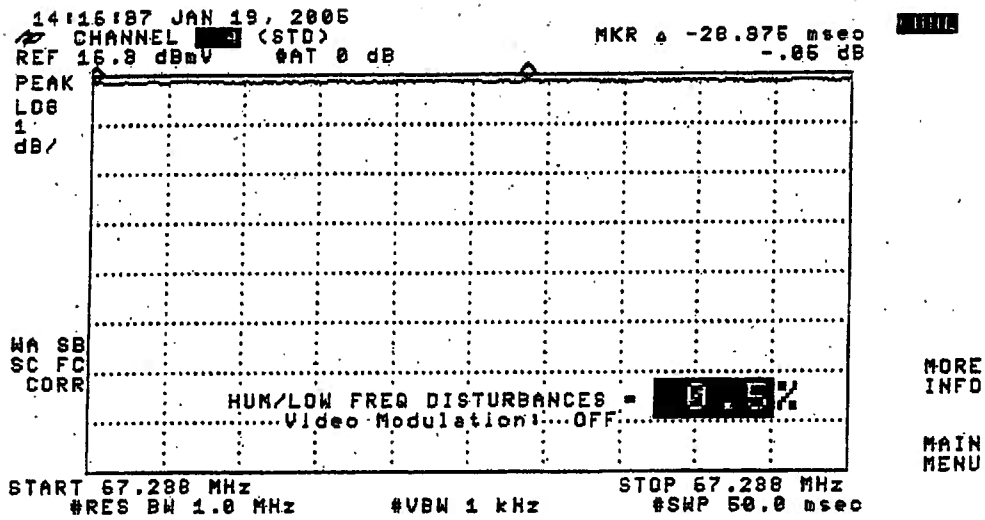

13:38:27 JAN 19, 2005
CHANNEL (STD)
REF -.6 dBmV
#AT 0 dB
MKR 446.790 MHz
-4.66 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 444.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 450.000 MHz
SWP 20.0 msec


13:39:29 JAN 19, 2005
CHANNEL (STD)
REF -2.6 dBmV
#AT 0 dB
MKR 541.980 MHz
-6.38 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 = ± 0.5 dB
MAIN
MENU
START 540.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 546.000 MHz
SWP 20.0 msec


14:08:21 JAN 19, 2005
CHANNEL (STD)
REF -.1 dBmV
#AT 0 dB
MKR 888.829 MHz
-37.67 dBmV
SMPL
LOG
10
dB/
MARKER
888.829 MHz
-37.67 dBmV
- FCC MEASUREMENT RANGE (4 MHz) -
#REMOVE MODULATION (or turn GATE ON)
#KNOB CONTROLS MARKER
VA WB
SC FC
CORR
C/N (4 MHz) = 50.4 dBc
CENTER 888.764 MHz
#RES BW 30 kHz
#VBW 100 Hz
SPAN 6.000 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
MORE
INFO
More
MAIN
MENU


18:47:08 JAN 19, 2005
CHANNEL (STD)
REF -18.2 dBmV
#AT 0 dB
MKR 68.513 MHz
-47.67 dBmV
SMPL
LOG
10
dB/
MARKER
68.513 MHz
-47.67 dBmV
-0.75
+0.75
-1.25
CTB
+1.25
VA WB
SC FC
CORR
#TURN CARRIER OFF (or turn GATE ON)
#USE KNOB TO MOVE MARKER
C/BEAT = 78.6 dBc @ 1.22 MHz offset
START 65.788 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 71.788 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
Gated
CTB
More
MAIN
MENU


18:47:46 JAN 19, 2005
CHANNEL (STD)
REF -18.2 dBmV
#AT 0 dB
MKR 67.288 MHz
-41.80 dBmV
SMPL
LOG
10
dB/
MARKER
67.288 MHz
-41.80 dBmV
-0.75
+0.75
-1.25
CTB
+1.25
VA WB
SC FC
CORR
#TURN CARRIER OFF (or turn GATE ON)
#USE KNOB TO MOVE MARKER
C/BEAT = 67.8 dBc @ 0.03 MHz offset
START 65.788 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 71.788 MHz
#SWP 6.90 sec
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
Gated
CTB
More
MAIN
MENU


14:16:07 JAN 19, 2005
CHANNEL [redacted] (STD)
REF 16.8 dBmV
#AT 0 dB
MKR Δ -28.875 msec
-.05 dB
PEAK
LOG
1
dB/
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = [redacted]%
Video Modulation: OFF
MORE
INFO
MAIN
MENU
START 67.288 MHz
#RES BW 1.0 MHz
#VBW 1 kHz
STOP 67.288 MHz
#SWP 50.0 msec

TESTPOINT 7, PAGE 1

TIME WARNER CABLE - SYRACUSE DIVISION

System Name	:	Syracuse
System Test Point #	:	7
Hub Name	:	Geddes
Location	:	3100 Sevier Road / Otisco
Map Number	:	284-5592
Pole Number	:	Pole # 4/153
D.T. Value	:	20/4
OR Number	:	184
GNA Cascade	:	Node + 4
LE Cscade	:	2

TESTPOINT 7, PAGE 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	: Syracuse	*Test Location*	: 3100 Sevier Road / Otisco
Date	: 01/18/2005	*Time*	: 08:00:00

CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)	CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)
2	55.2500	8.2	-4.2		12.4	DD (40)	319.2625	12.7	-1.5		14.2
3	61.2500	10.5	-4.3		14.8	EE (41)	325.2625	13.0	-1.5		14.5
4	67.2500	10.4	-5.0		15.4	FF (42)	331.2750	13.4	-0.6		14
5	77.2500	9.5	-5.5		15	GG (43)	337.2625	13.8	-0.7		14.5
6	83.2500	9.4	-4.6		14	HH (44)	343.2625	13.8	-0.4		14.2
A-5 (95)	91.2500	N/A	N/A		N/A	II (45)	349.2625	14.0	-1.1		15.1
A-4 (96)	97.2500	N/A	N/A		N/A	JJ (46)	355.2625	14.1	-0.9		15
A-3 (97)	103.2500	N/A	N/A		N/A	KK (47)	361.2625	14.2	-0.6		14.8
A-2 (98)	109.2750	9.9	-3.6		13.5	LL (48)	367.2625	14.1	-0.8		14.9
A-1 (99)	115.2750	10.7	-4.1		14.8	MM (49)	373.2625	14.0	-1.0		15
[illegible] (14)	121.2625	10.8	-3.4		14.2	NN (50)	379.2625	13.9	-0.4		14.3
[illegible] (15)	127.2625	10.8	-3.5		14.3	OO (51)	385.2625	13.9	-1.0		14.9
C (16)	133.2625	10.9	-3.1		14	PP (52)	391.2625	13.6	-0.9		14.5
D (17)	139.2500	11.1	-2.9		14	QQ (53)	397.2625	13.4	-1.1		14.5
E (18)	145.2500	11.3	-3.4		14.7	RR (54)	403.2500	13.8	-1.1		14.9
F (19)	151.2510	11.6	-2.8		14.4	SS (55)	409.2500	13.5	-1.2		14.7
G (20)	157.2500	10.8	-3.3		14.1	TT (56)	415.2500	13.2	-2.0		15.2
H (21)	163.2500	11.4	-3.8		15.2	UU (57)	421.2500	12.3	-2.7		15
I (22)	169.2500	10.5	-4.3		14.8	VV (58)	427.2500	12.0	-2.6		14.6
7	175.2500	10.4	-3.2		13.6	WW (59)	433.2500	11.4	-3.6		15
8	181.2500	10.5	-4.2		14.7	XX (60)	439.2500	10.9	-3.2		14.1
9	187.2500	9.8	-5.3		15.1	YY (61)	445.2500	11.4	-3.3		14.7
10	193.2500	10.2	-5.0		15.2	ZZ (62)	451.2500	11.3	-3.4		14.7
11	199.2500	9.6	-4.9		14.5	63	457.2500	11.0	-3.1		14.1
12	205.2500	9.5	-5.8		15.3	64	463.2500	11.6	-3.0		14.6
13	211.2500	9.3	-6.2		15.5	65	469.2500	11.5	-2.7		14.2
J (23)	217.2500	8.9	-5.8		14.7	66	475.2500	11.5	-3.0		14.5
K (24)	223.2500	8.5	-6.1		14.6	67	481.2500	11.9	-3.3		15.2
L (25)	229.2625	8.6	-5.8		14.4	68	487.2500	12.0	-2.4		14.4
M (26)	235.2625	8.5	-5.9		14.4	69	493.2500	12.6	-1.7		14.3
N (27)	241.2625	8.6	-5.7		14.3	70	499.2500	12.9	-1.2		14.1
[illegible] (28)	247.2625	8.6	-5.7		14.3	71	505.2500	13.2	-1.8		15
[illegible] (29)	253.2625	8.5	-5.4		13.9	72	511.2500	12.9	-1.7		14.6
[illegible] (30)	259.2625	9.1	-5.0		14.1	73	517.2500	12.8	-1.7		14.5
R (31)	265.2625	9.1	-5.3		14.4	74	523.2500	13.2	-1.7		14.9
S (32)	271.2625	9.1	-4.9		14	75	529.2500	13.0	-1.3		14.3
T (33)	277.2625	9.7	-4.6		14.3	76	535.2500	13.1	-1.0		14.1
U (34)	283.2625	10.2	-4.4		14.6	77	541.2500	13.4	-1.7		15.1
V (35)	289.2625	10.6	-4.8		15.4	78	547.2500	12.4	-2.8		15.2
W (36)	295.2625	10.3	-4.0		14.3	79	553.2500	N/A	N/A		N/A
AA (37)	301.2625	10.8	-3.1		13.9	80	559.2500	12.1	-2.5		14.6
BB (38)	307.2625	11.4	-2.6		14	81	565.2500	N/A	N/A		N/A
CC (39)	313.2625	11.8	-1.8		13.6						

Min Channel	:	2	8.2
Max Channel	:	KK(47)	14.2
Peak to Valley	:	6	

TESTPOINT 7, PAGE 3

TIME WARNER CABLE - SYRACUSE DIVISION

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

System Name : Syracuse ***Date*** : 1/26/2005

Performed By : Rodney Levesque

tion : 3100 Sevier Road / Otisco

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

CHANNEL NUMBER	IN CHANNEL RESPONSE	CARRIER TO NOISE RATIO	DISTORTIONS	CSO	HUM
	(+/- DB)	(DB)	(-DBC) CTB		(%)
4	0.7	49.3	68.2	75.1	0.4
14	0.2	48.6	64.5	71.7	
20	0.3	49.7	64.8	76.6	
13	0.3	48.5	61.2	71.9	
35	0.2	47.9	62.6	67.2	
43	0.3	48.7	61.8	67.3	
49	0.4	48.4	62.0	68.2	
60	0.4	48.0	60.3	67.6	
77	0.5	50.2	61.8	63.7	

TIME WARNER CABLE - SYRACUSE DIVISION

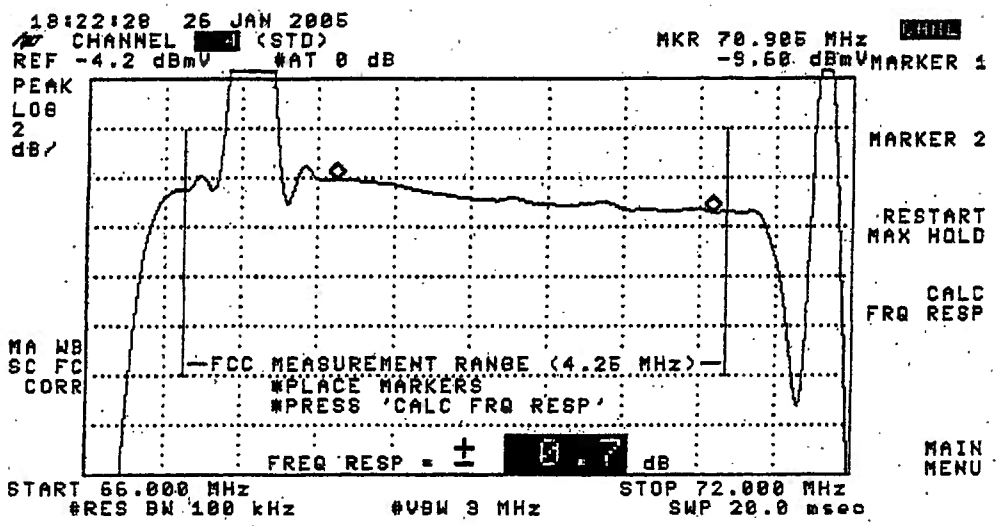
IN CHANNEL FREQUENCY RESPONSE TEST
(76.605) (a) (6)

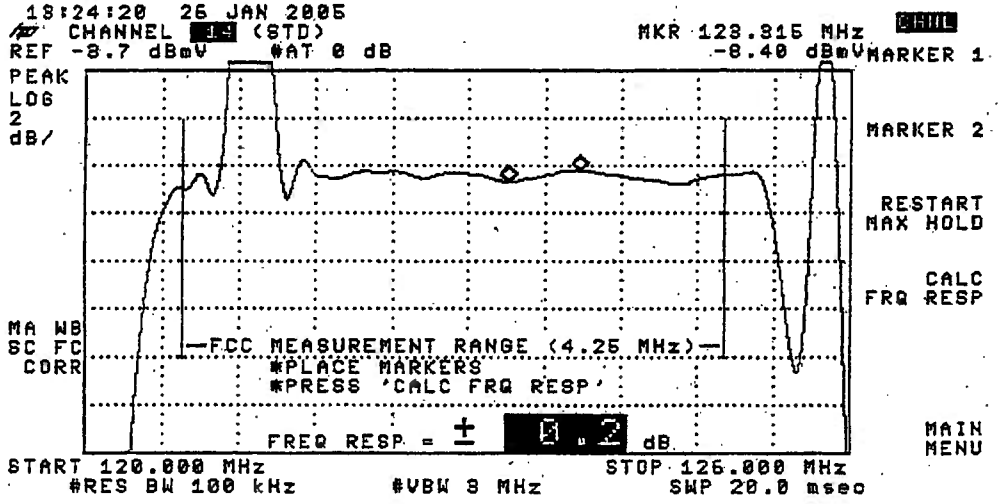
System Name : Syracuse ***Date*** : 1/26/2005

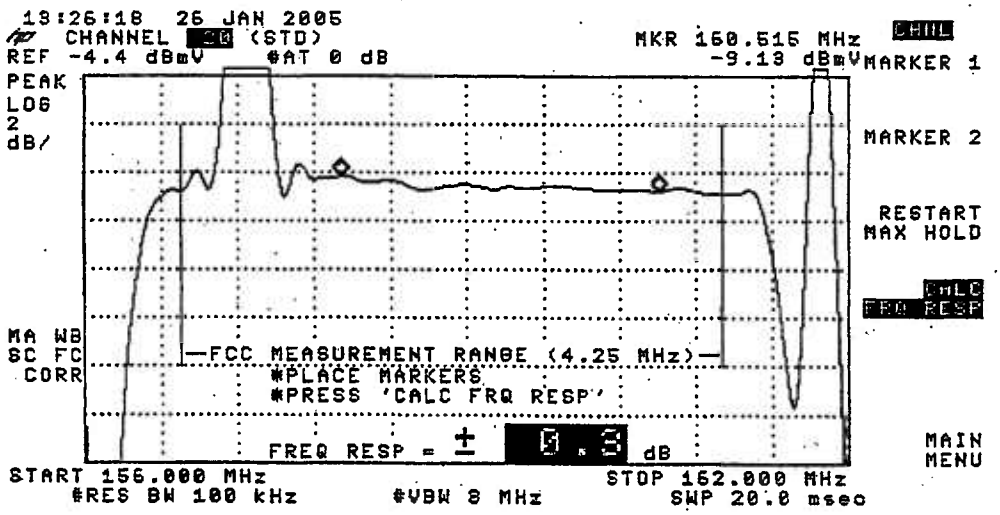
Performed By : Rodney Levesque

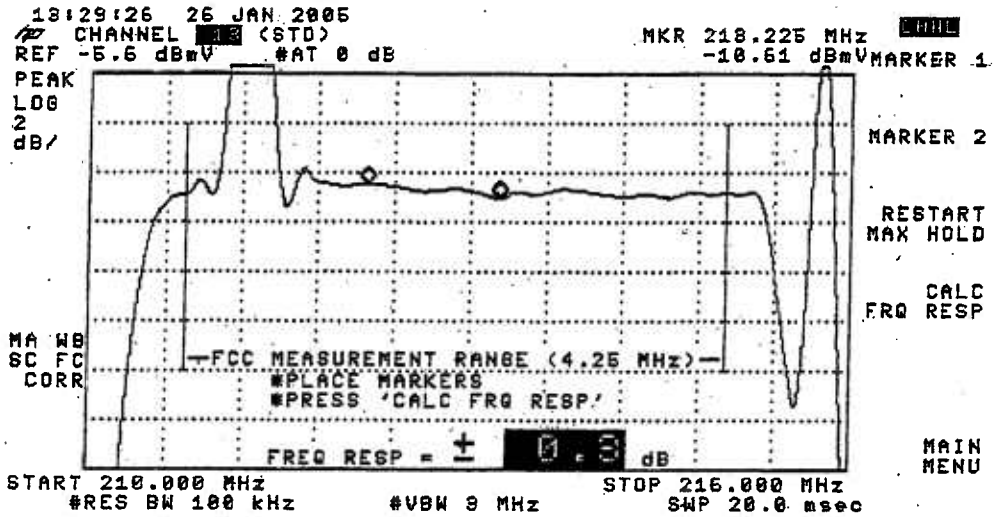
Location : 3100 Sevier Road / Otisco

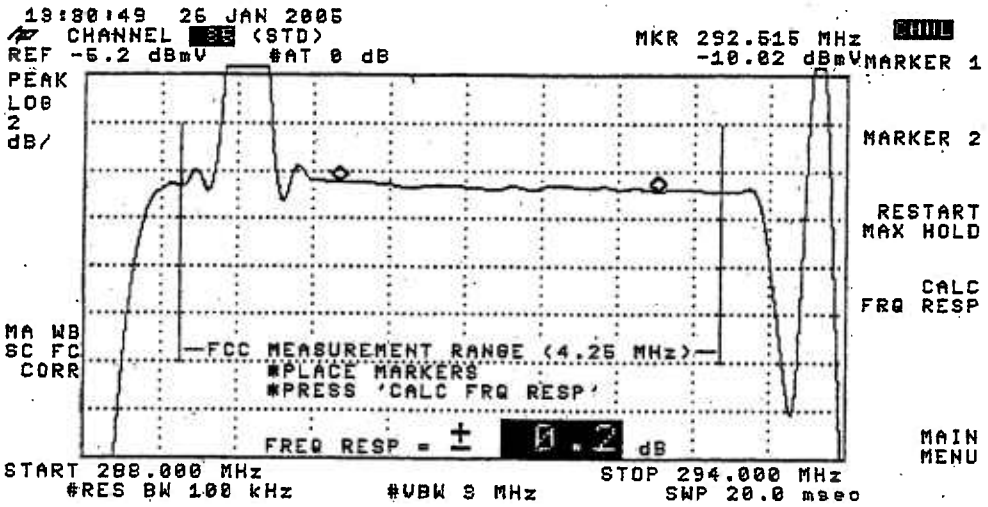
(SEE THE ATTACHED SWEEP TRACES)

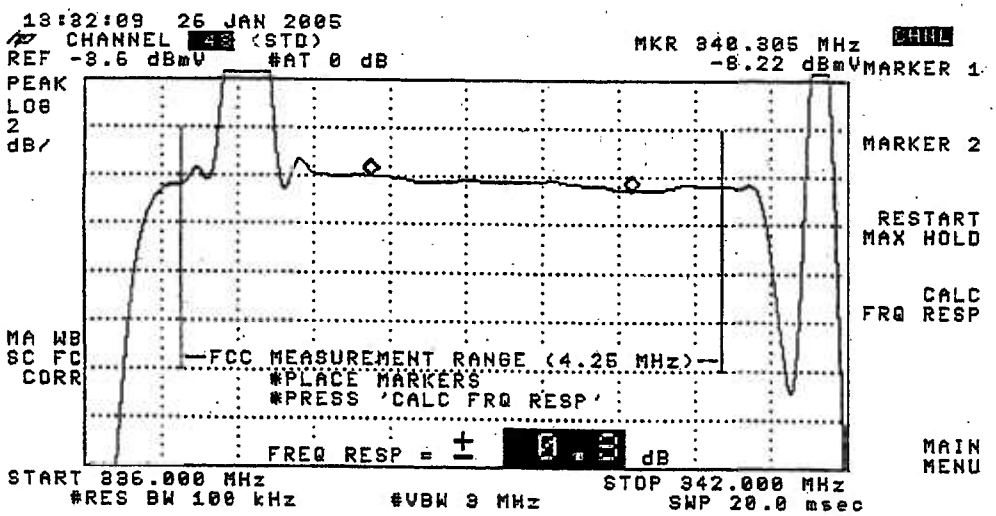

18:22:28 26 JAN 2005
CHANNEL 4 (STD)
REF -4.2 dBmV #AT 0 dB
MKR 70.905 MHz
-9.60 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.7 dB
MAIN
MENU
START 66.000 MHz
STOP 72.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec

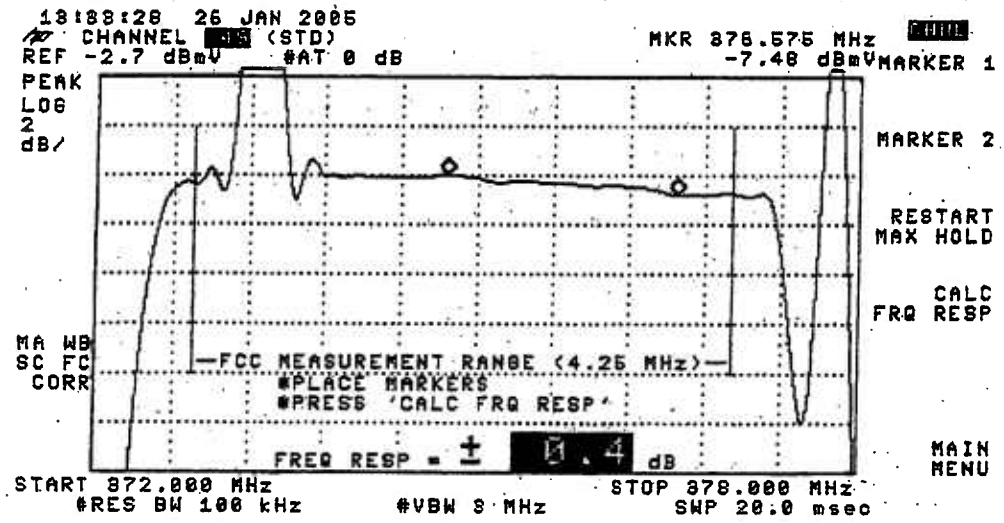

18:24:20 26 JAN 2005
CHANNEL 14 (STD)
REF -3.7 dBmV #AT 0 dB
MKR 123.815 MHz
-8.40 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 120.000 MHz
STOP 126.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec

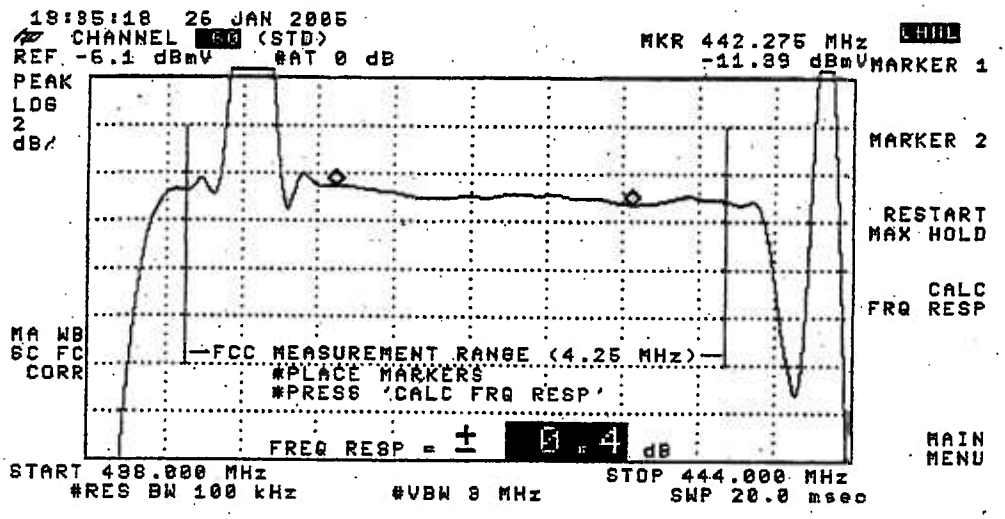

18:26:18 26 JAN 2005
CHANNEL 20 (STD)
REF -4.4 dBmV #AT 0 dB
MKR 160.515 MHz
-9.13 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 156.000 MHz
STOP 162.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec

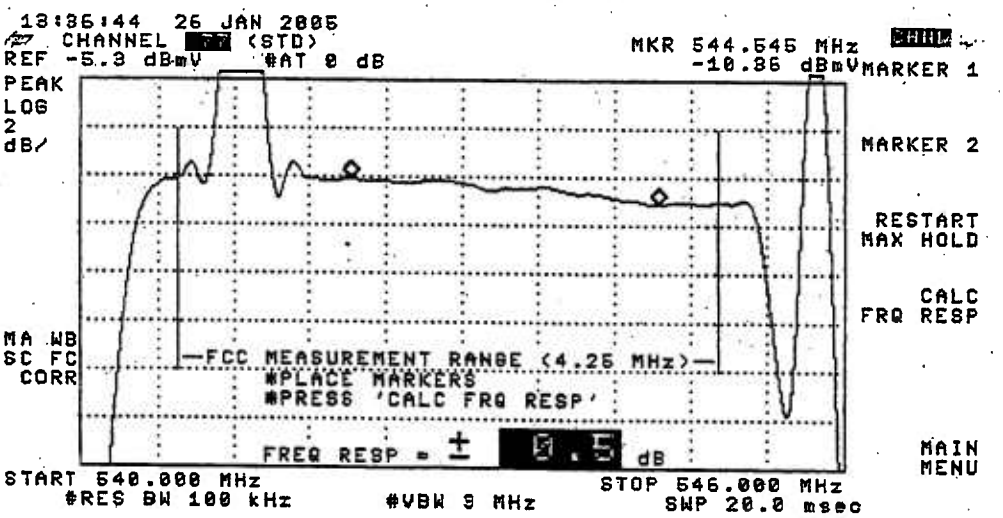

13:29:26 26 JAN 2005
CHANNEL (STD)
REF -5.6 dBmV #AT 0 dB
MKR 218.225 MHz
-10.61 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 210.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 216.000 MHz
SWP 20.0 msec

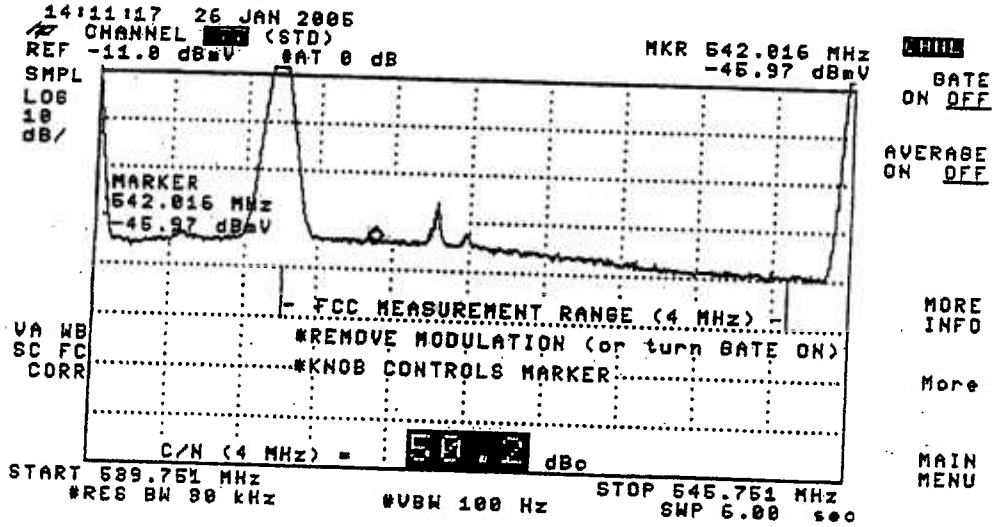

13:30:49 26 JAN 2005
CHANNEL (STD)
REF -5.2 dBmV #AT 0 dB
MKR 292.515 MHz
-10.02 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 288.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 294.000 MHz
SWP 20.0 msec

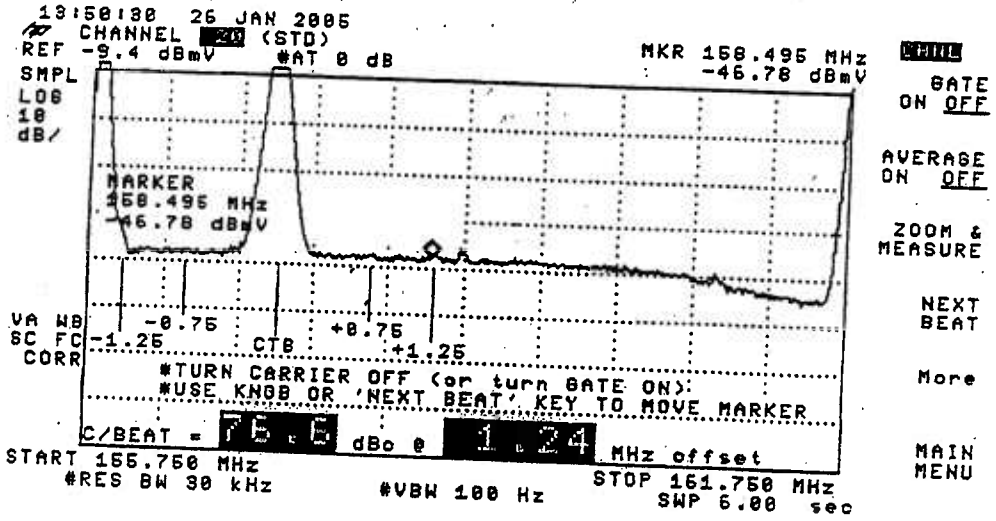

13:32:09 26 JAN 2005
CHANNEL (STD)
REF -8.6 dBmV #AT 0 dB
MKR 340.305 MHz
-8.22 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 336.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 342.000 MHz
SWP 20.0 msec

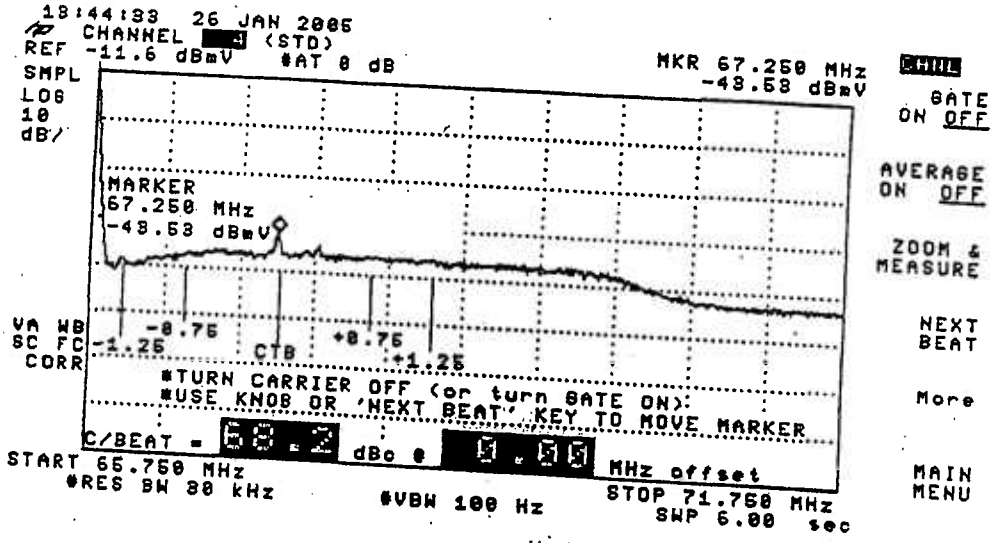

13:33:28 26 JAN 2005
CHANNEL (STD)
REF -2.7 dBmV #AT 0 dB
MKR 376.575 MHz
-7.48 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 372.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 378.000 MHz
SWP 20.0 msec

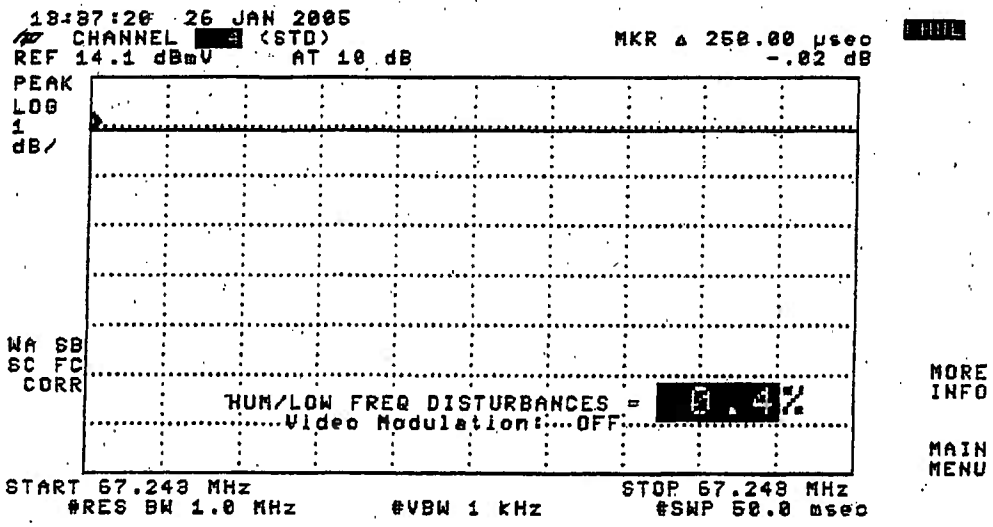

13:35:18 26 JAN 2005
CHANNEL (STD)
REF -6.1 dBmV #AT 0 dB
MKR 442.275 MHz
-11.39 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 438.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 444.000 MHz
SWP 20.0 msec


13:36:44 26 JAN 2005
CHANNEL (STD)
REF -5.3 dBmV #AT 0 dB
MKR 544.545 MHz
-10.86 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 = ± 0.5 dB
MAIN
MENU
START 540.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 546.000 MHz
SWP 20.0 msec


14:11:17 26 JAN 2005
CHANNEL (STD)
REF -11.0 dBmV #AT 0 dB
MKR 542.016 MHz
-45.97 dBmV
SMPL
LOG
10
dB/
MARKER
542.016 MHz
-45.97 dBmV
- FCC MEASUREMENT RANGE (4 MHz) -
VA WB
SC FC
CORR
#REMOVE MODULATION (or turn GATE ON)
#KNOB CONTROLS MARKER
C/N (4 MHz) = 50.2 dBc
START 539.751 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 545.751 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
MORE
INFO
More
MAIN
MENU


13:50:30 26 JAN 2005
CHANNEL (STD)
REF -9.4 dBmV #AT 0 dB
MKR 158.495 MHz
-46.78 dBmV
SMPL
LOG
10
dB/
MARKER
158.495 MHz
-46.78 dBmV
-0.75
-1.25
CTB
+0.75
+1.25
VA WB
SC FC
CORR
#TURN CARRIER OFF (or turn GATE ON):
#USE KNOB OR 'NEXT BEAT' KEY TO MOVE MARKER
C/BEAT = 75.6 dBc @ 1.24 MHz offset
START 155.750 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 161.750 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
NEXT
BEAT
More
MAIN
MENU


18:44:33 26 JAN 2005
CHANNEL (STD)
REF -11.6 dBmV #AT 0 dB
MKR 67.250 MHz
-48.53 dBmV
SMPL
LOG
10
dB/
MARKER
67.250 MHz
-48.53 dBmV
-0.75
-1.25
CTB
+0.75
+1.25
VA WB
SC FC
CORR
#TURN CARRIER OFF (or turn GATE ON):
#USE KNOB OR 'NEXT BEAT' KEY TO MOVE MARKER
C/BEAT = 68.2 dBc @ 0.00 MHz offset
START 65.750 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 71.750 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
NEXT
BEAT
More
MAIN
MENU


18:37:20 26 JAN 2005
CHANNEL [redacted] (STD)
REF 14.1 dBmV AT 10 dB
MKR Δ 250.00 µsec
-.02 dB
PEAK
LOG
1
dB/
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = [redacted]%
Video Modulation: OFF
MORE
INFO
MAIN
MENU
START 67.243 MHz
STOP 67.243 MHz
#RES BW 1.0 MHz
#VBW 1 kHz
#SWP 50.0 msec

TESTPOINT 7, PAGE 5

TIME WARNER CABLE - SYRACUSE DIVISION

VISUAL CARRIER LEVEL VARIATION TEST

System Name	: Syracuse	**Test Location**	: 3100 Sevier Road / Otisco
Date	: 01/18/2005	**Performed By**	: Don Singleton
Meter Serial Number	: 221998		

		TEMP F				
		45.00	57.00	62.00	39.00	
		TIME				
		08:00:00	14:00:00	20:00:00	02:00:00	
CHAN	FREQ (MHZ)	VISUAL LEVEL (DBMV)				MAX VAR
2	55.2500	8.2	6.3	5.8	6.5	2.4
3	61.2500	10.5	8.7	8.0	8.6	2.5
4	67.2500	10.4	8.5	8.0	8.6	2.4
5	77.2500	9.5	7.9	7.2	7.9	2.3
6	83.2500	9.4	7.7	7.1	7.7	2.3
A-5 (95)	91.2500					
A-4 (96)	97.2500					
A-3 (97)	103.2500					
A-2 (98)	109.2750	9.9	8.5	8.0	8.8	1.9
[illegible] (99)	115.2750	10.7	9.2	8.6	9.6	2.1
[illegible] (4)	121.2625	10.8	9.3	8.8	9.8	2
B (15)	127.2625	10.8	9.4	8.9	9.9	1.9
C (16)	133.2625	10.9	9.6	9.1	9.8	1.8
D (17)	139.2500	11.1	9.8	9.3	10.0	1.8
E (18)	145.2500	11.3	10.2	9.8	10.4	1.5
F (19)	151.3210	11.6	10.5	10.0	11.0	1.6
G (20)	157.2500	10.8	9.7	9.3	10.4	1.5
H (21)	163.2500	11.4	10.1	10.0	11.2	1.4
I (22)	169.2500	10.5	9.6	9.5	10.8	1.3
7	175.2500	10.4	10.1	9.6	10.8	1.2
8	181.2500	10.5	9.8	9.4	10.4	1.1
9	187.2500	9.8	9.3	8.9	9.9	1
10	193.2500	10.2	9.5	9.2	9.9	1
11	199.2500	9.6	8.6	8.4	9.5	1.2
12	205.2500	9.5	8.6	8.2	9.3	1.3
13	211.2500	9.3	8.5	8.0	9.1	1.3
J (23)	217.2500	8.9	8.1	7.6	8.8	1.3
K (24)	223.2500	8.5	7.6	7.0	8.3	1.5
L (25)	229.2625	8.6	7.9	7.3	8.4	1.3
M (26)	235.2625	8.5	7.6	7.5	8.4	1
[illegible] (27)	241.2625	8.6	8.0	7.4	8.5	1.2
[illegible]	247.2625	8.6	7.9	7.4	8.5	1.2
[illegible]	253.2625	8.5	7.8	7.2	8.3	1.3
Q (30)	259.2625	9.1	8.4	7.9	9.0	1.2
R (31)	265.2625	9.1	8.3	8.0	9.0	1.1
S (32)	271.2625	9.1	8.3	7.9	8.9	1.2
T (33)	277.2625	9.7	9.0	8.5	9.5	1.2
U (34)	283.2625	10.2	9.5	9.1	10.0	1.1
V (35)	289.2625	10.6	10.0	9.6	10.5	1
W (36)	295.2625	10.3	9.6	9.3	10.1	1
AA (37)	301.2625	10.8	10.4	9.9	10.8	0.9
BB (38)	307.2625	11.4	11.0	10.7	11.5	0.8
CC (39)	313.2625	11.8	11.4	11.0	12.0	1

		TEMP F				
		45.00	57.00	62.00	39.00	
		TIME				
		08:00:00	14:00:00	20:00:00	02:00:00	
CHAN	FREQ (MHZ)	VISUAL LEVEL (DBMV)				MAX VAR
DD (40)	319.2625	12.7	12.4	11.8	12.7	0.9
EE (41)	325.2625	13.0	12.5	12.1	13.2	1.1
FF (42)	331.2750	13.4	13.0	12.4	13.6	1.2
GG (43)	337.2625	13.8	13.5	13.0	14.0	1
HH (44)	343.2625	13.8	13.6	13.1	14.3	1.2
II (45)	349.2625	14.0	13.8	13.3	14.5	1.2
JJ (46)	355.2625	14.1	13.9	13.4	14.6	1.2
KK (47)	361.2625	14.2	14.0	13.6	14.8	1.2
LL (48)	367.2625	14.1	13.9	13.3	14.6	1.3
MM (49)	373.2625	14.0	13.9	13.4	14.6	1.2
NN (50)	379.2625	13.9	13.7	13.4	14.4	1
OO (51)	385.2625	13.9	13.5	13.3	14.4	1.1
PP (52)	391.2625	13.6	13.3	12.9	14.1	1.2
QQ (53)	397.2625	13.4	12.8	12.7	13.8	1.1
RR (54)	403.2500	13.8	13.3	12.9	14.1	1.2
SS (55)	409.2500	13.5	13.1	12.7	13.8	1.1
TT (56)	415.2500	13.2	12.7	12.3	13.4	1.1
UU (57)	421.2500	12.3	11.7	11.3	12.4	1.1
VV (58)	427.2500	12.0	11.5	11.1	12.0	0.9
WW (59)	433.2500	11.4	10.7	10.4	11.1	1
XX (60)	439.2500	10.9	10.2	9.8	10.7	1.1
YY (61)	445.2500	11.4	10.6	10.2	11.1	1.2
ZZ (62)	451.2500	11.3	10.5	10.1	11.0	1.2
63	457.2500	11.0	10.2	9.9	11.0	1.1
64	463.2500	11.6	10.7	10.4	11.4	1.2
65	469.2500	11.5	10.5	10.1	11.3	1.4
66	475.2500	11.5	10.5	10.2	11.3	1.3
67	481.2500	11.9	11.1	10.6	11.6	1.3
68	487.2500	12.0	11.3	10.9	12.0	1.1
69	493.2500	12.6	11.6	11.1	12.4	1.5
70	499.2500	12.9	11.9	11.6	12.5	1.3
71	505.2500	13.2	12.2	11.8	12.9	1.4
72	511.2500	12.9	12.0	11.5	12.7	1.4
73	517.2500	12.8	11.9	11.4	12.5	1.4
74	523.2500	13.2	12.1	11.7	12.8	1.5
75	529.2500	13.0	12.0	11.7	12.9	1.3
76	535.2500	13.1	12.3	12.0	13.2	1.2
77	541.2500	13.4	12.4	12.0	13.1	1.4
78	547.2500	12.4	11.3	11.0	12.2	1.4
79	553.2500					
80	559.2500	12.1	11.0	10.9	12.0	1.2
81	565.2500					

Max Non Adjacent Channel Level Diff	:- 8.3
Max Adjacent Channel Level Diff	:- 2.4
Max Variance from last proof of performance test	:- N/A
Date of last proof of performance test	:- N/A

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

TESTPOINT 8, PAGE 1

TIME WARNER CABLE - SYRACUSE DIVISION

System Name	:	Syracuse
System Test Point #	:	8
Hub Name	:	Geddes
Location	:	5746 Scenic Drive / Camillus
Map Number	:	290-5638
Pole Number	:	Pole # 33/31
D.T. Value	:	17/4
OR Number	:	15
GNA Cascade	:	Node + 4
LE Cscade	:	0

STPOINT 8, PAGE 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	: Syracuse	**Test Location**	: 5746 Scenic Drive / Camillus
Date	: 01/13/2005	**Time**	: 08:21:00

CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)	CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)
2	55.2500	10.70	-3.20		13.9	DD (40)	319.2625	11.30	-3.20		14.5
3	61.2500	11.40	-4.10		15.5	EE (41)	325.2625	11.40	-2.90		14.3
4	67.2500	10.90	-4.80		15.7	FF (42)	331.2750	11.70	-2.70		14.4
5	77.2500	9.80	-5.50		15.3	GG (43)	337.2625	11.60	-2.90		14.5
6	83.2500	9.70	-4.40		14.1	HH (44)	343.2625	11.70	-3.10		14.8
A-5 (95)	91.2500	N/A	N/A		N/A	II (45)	349.2625	11.80	-3.30		15.1
A-4 (96)	97.2500	N/A	N/A		N/A	JJ (46)	355.2625	11.70	-3.20		14.9
A-3 (97)	103.2500	N/A	N/A		N/A	KK (47)	361.2625	11.90	-2.90		14.8
[illegible]2 (98)	109.2750	10.10	-3.70		13.8	LL (48)	367.2625	11.90	-3.30		15.2
[illegible] (99)	115.2750	10.40	-4.10		14.5	MM (49)	373.2625	11.70	-3.30		15
[illegible] (14)	121.2625	10.60	-3.60		14.2	NN (50)	379.2625	11.50	-2.90		14.4
B (15)	127.2625	10.70	-4.00		14.7	OO (51)	385.2625	11.30	-3.40		14.7
C (16)	133.2625	10.70	-3.40		14.1	PP (52)	391.2625	10.90	-3.50		14.4
D (17)	139.2500	10.60	-3.10		13.7	QQ (53)	397.2625	10.80	-3.80		14.6
E (18)	145.2500	11.00	-3.40		14.4	RR (54)	403.2500	11.20	-3.30		14.5
F (19)	151.2210	11.60	-2.10		13.7	SS (55)	409.2500	11.60	-3.20		14.8
G (20)	157.2500	11.60	-2.60		14.2	TT (56)	415.2500	11.30	-3.70		15
H (21)	163.2500	12.20	-2.30		14.5	UU (57)	421.2500	11.00	-3.30		14.3
I (22)	169.2500	12.20	-2.10		14.3	VV (58)	427.2500	11.10	-3.50		14.6
7	175.2500	12.40	-1.40		13.8	WW (59)	433.2500	11.00	-3.80		14.8
8	181.2500	12.50	-1.80		14.3	XX (60)	439.2500	10.80	-3.20		14
9	187.2500	12.20	-2.80		15	YY (61)	445.2500	11.30	-3.40		14.7
10	193.2500	12.40	-2.30		14.7	ZZ (62)	451.2500	11.30	-3.00		14.3
11	199.2500	12.20	-2.10		14.3	63	457.2500	11.40	-3.10		14.5
12	205.2500	12.30	-3.00		15.3	64	463.2500	11.70	-2.90		14.6
13	211.2500	12.60	-2.80		15.4	65	469.2500	11.70	-3.00		14.7
J (23)	217.2500	12.60	-2.30		14.9	66	475.2500	11.70	-3.20		14.9
K (24)	223.2500	12.20	-2.50		14.7	67	481.2500	11.30	-3.90		15.2
L (25)	229.2625	12.20	-2.20		14.4	68	487.2500	11.50	-3.30		14.8
M (26)	235.2625	12.00	-2.50		14.5	69	493.2500	11.80	-2.90		14.7
[illegible] (27)	241.2625	11.90	-2.60		14.5	70	499.2500	12.00	-2.20		14.2
[illegible] (28)	247.2625	11.60	-2.80		14.4	71	505.2500	12.20	-2.80		15
[illegible] (29)	253.2625	11.40	-3.10		14.5	72	511.2500	11.90	-2.80		14.7
Q (30)	259.2625	11.40	-2.50		13.9	73	517.2500	12.00	-2.40		14.4
R (31)	265.2625	11.30	-3.10		14.4	74	523.2500	11.80	-3.00		14.8
S (32)	271.2625	11.10	-3.20		14.3	75	529.2500	12.20	-1.80		14
T (33)	277.2625	11.40	-3.20		14.6	76	535.2500	12.10	-2.00		14.1
U (34)	283.2625	11.40	-3.40		14.8	77	541.2500	12.50	-2.20		14.7
V (35)	289.2625	11.40	-4.30		15.7	78	547.2500	11.70	-2.90		14.6
W (36)	295.2625	10.70	-3.80		14.5	79	553.2500	N/A	N/A		N/A
AA (37)	301.2625	10.90	-3.40		14.3	80	559.2500	11.60	-1.90		13.5
BB (38)	307.2625	11.00	-3.40		14.4	81	565.2500	N/A	N/A		N/A
CC (39)	313.2625	11.20	-2.90		14.1						

Min Channel	:	6	9.700
Max Channel	:	13	12.600
Peak to Valley	:	2.9	

TESTPOINT 8, PAGE 3

TIME WARNER CABLE - SYRACUSE DIVISION

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

System Name : Syracuse ***Date*** : 1/26/2005

Performed By : Pat Thrall

Location : 5746 Scenic Drive / Camillus

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

CHANNEL NUMBER	IN CHANNEL RESPONSE	CARRIER TO NOISE RATIO	DISTORTIONS	CSO	HUM
	(+/- DB)	(DB)	(-DBC) CTB		(%)
4	0.7	49.9	69.5	79.3	0.4
14	0.3	49.3	67.2	77.8	
20	0.3	49.9	68.5	77.8	
13	0.2	50.5	67.7	75.6	
35	0.4	49.0	65.7	71.7	
43	0.5	49.7	64.9	71.8	
49	0.6	49.9	65.4	69.9	
60	0.2	49.7	62.4	66.0	
77	0.5	48.4	64.4	65.5	

TIME WARNER CABLE - SYRACUSE DIVISION

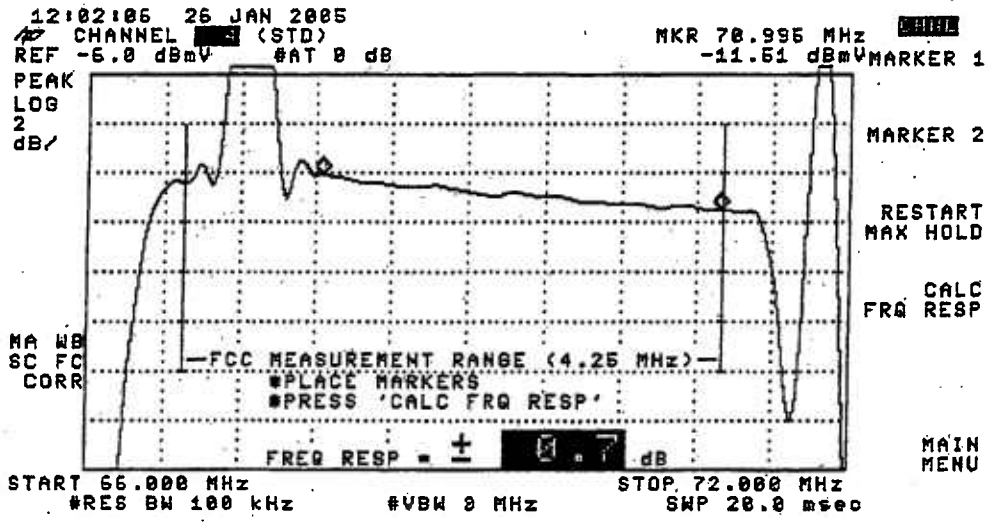
IN CHANNEL FREQUENCY RESPONSE TEST
(76.605) (a) (6)

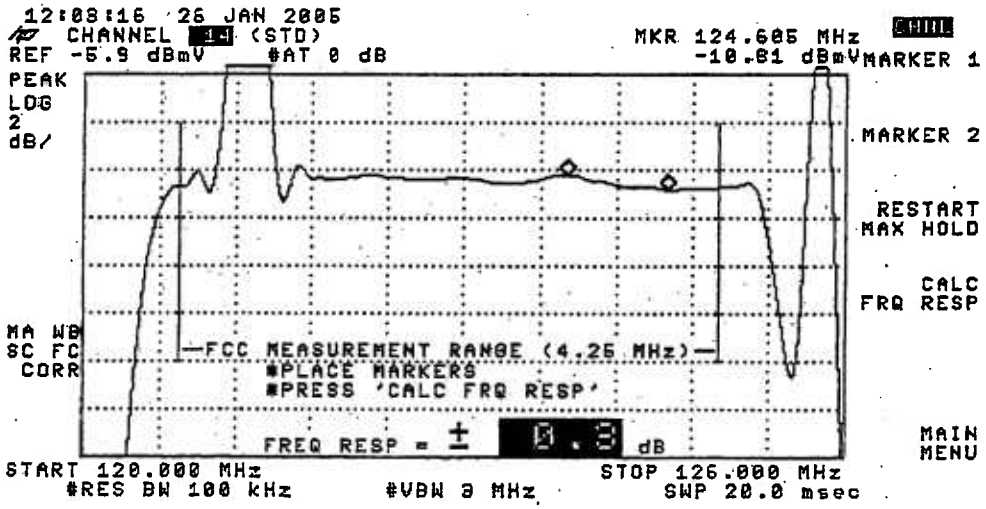
System Name : Syracuse ***Date*** : 1/26/2005

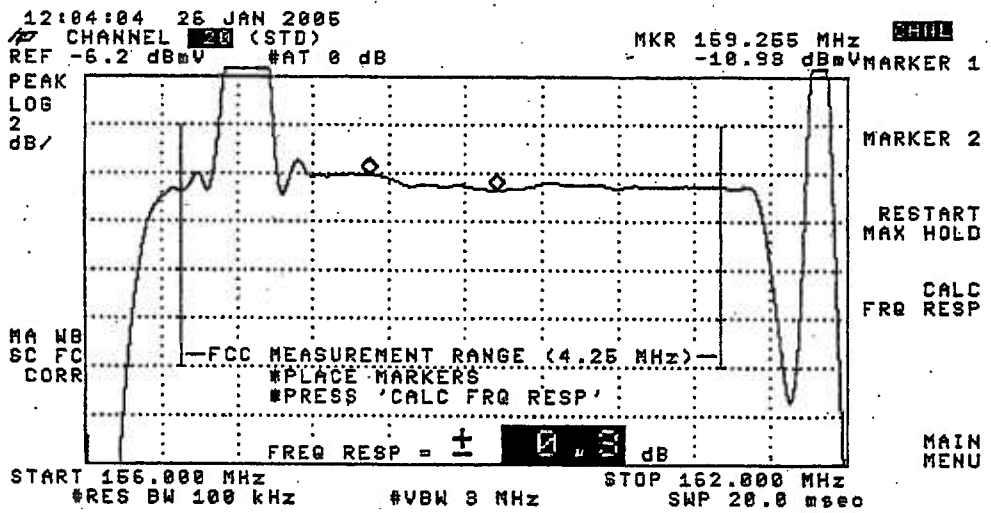
Performed By : Pat Thrall

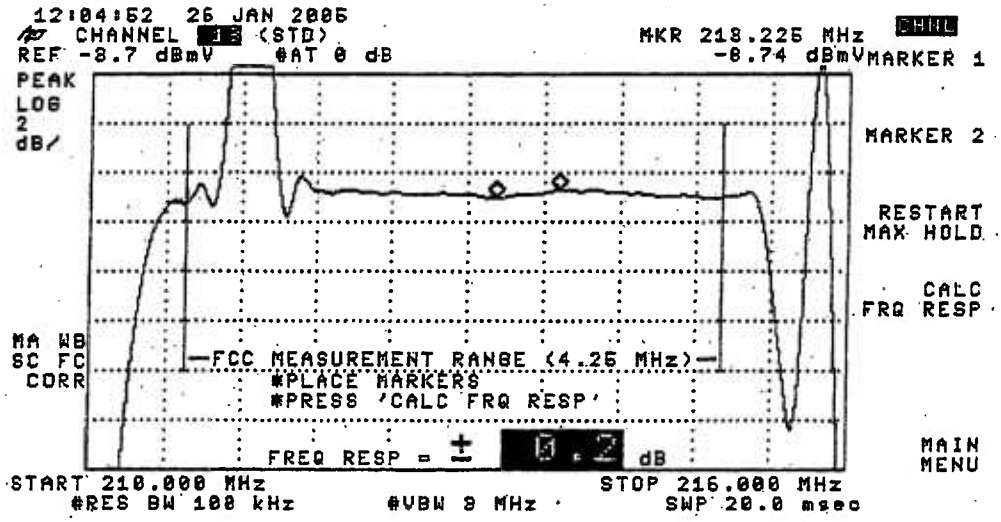
Location : 5746 Scenic Drive / Camillus

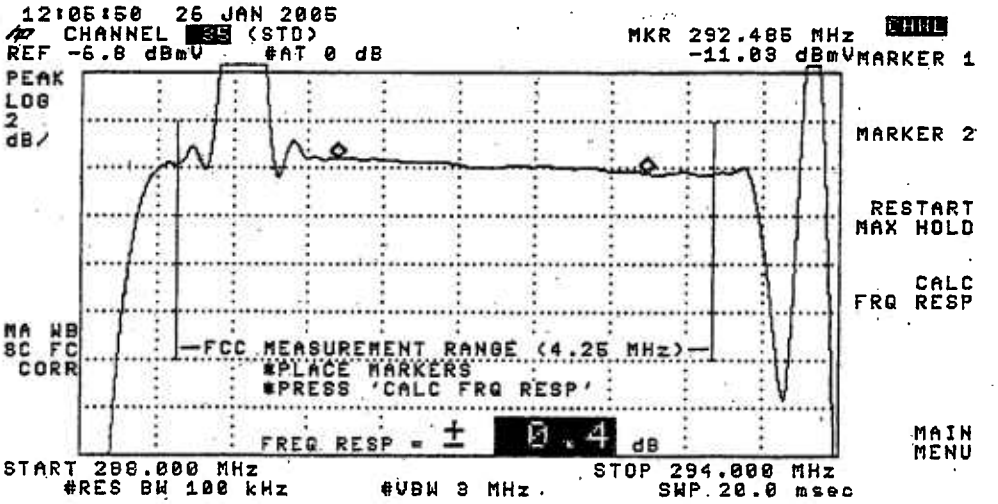
(SEE THE ATTACHED SWEEP TRACES)

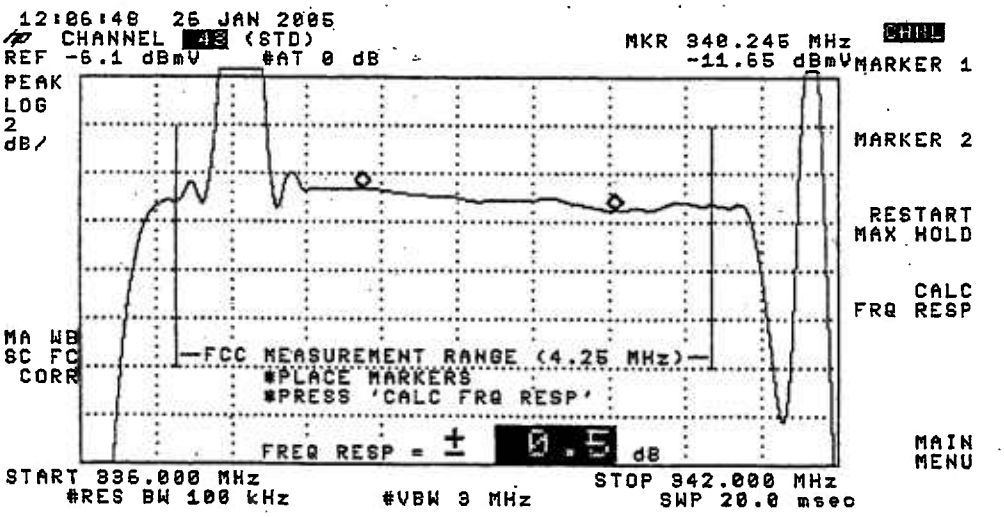

12:02:06 26 JAN 2005
CHANNEL 14 (STD)
REF -5.0 dBmV #AT 0 dB
MKR 70.995 MHz
-11.51 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.7 dB
MAIN
MENU
START 66.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 72.000 MHz
SWP 20.0 msec

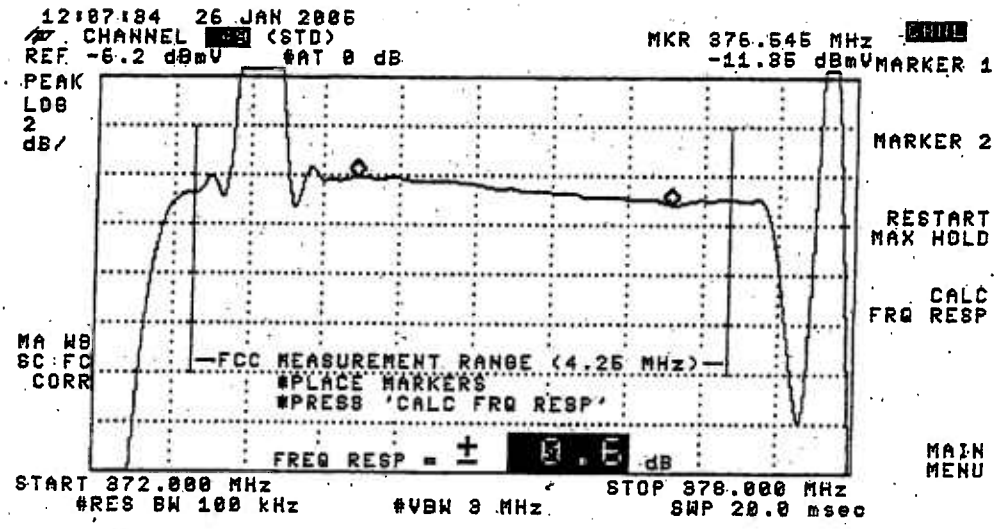

12:08:16 26 JAN 2005
CHANNEL 14 (STD)
REF -5.9 dBmV #AT 0 dB
MKR 124.605 MHz
-10.81 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 120.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 126.000 MHz
SWP 20.0 msec

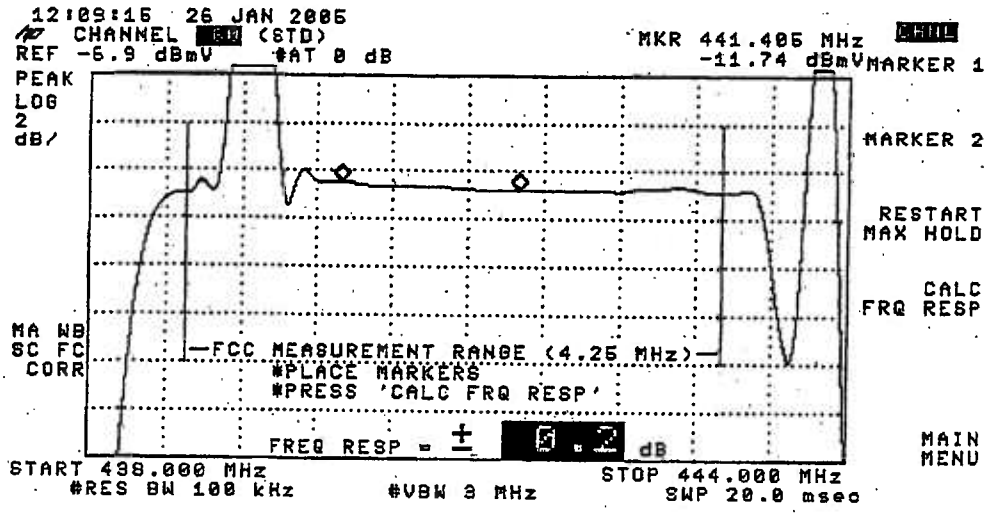

12:04:04 26 JAN 2005
CHANNEL 20 (STD)
REF -6.2 dBmV #AT 0 dB
MKR 159.255 MHz
-10.98 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 156.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 162.000 MHz
SWP 20.0 msec

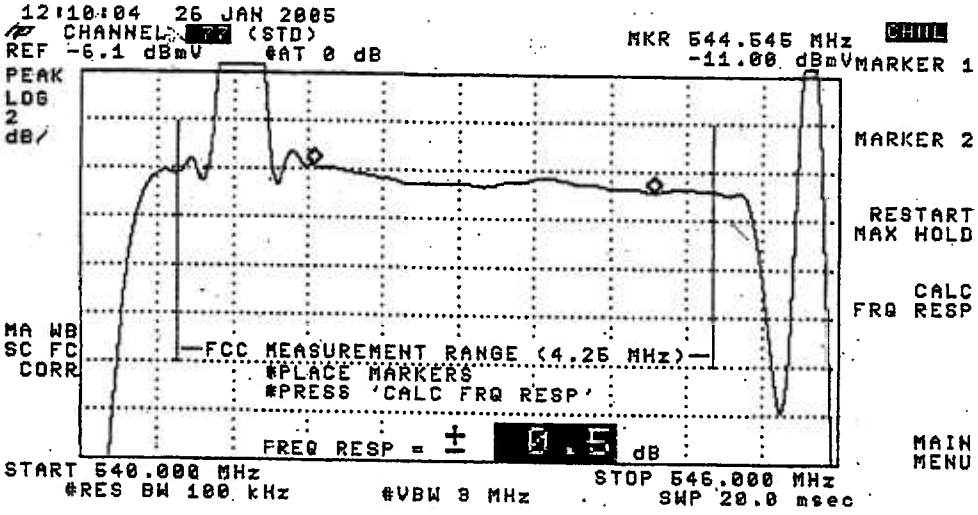

12:04:52 26 JAN 2005
CHANNEL 18 (STD)
REF -8.7 dBmV #AT 0 dB
MKR 218.225 MHz
-8.74 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 210.000 MHz
STOP 216.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec

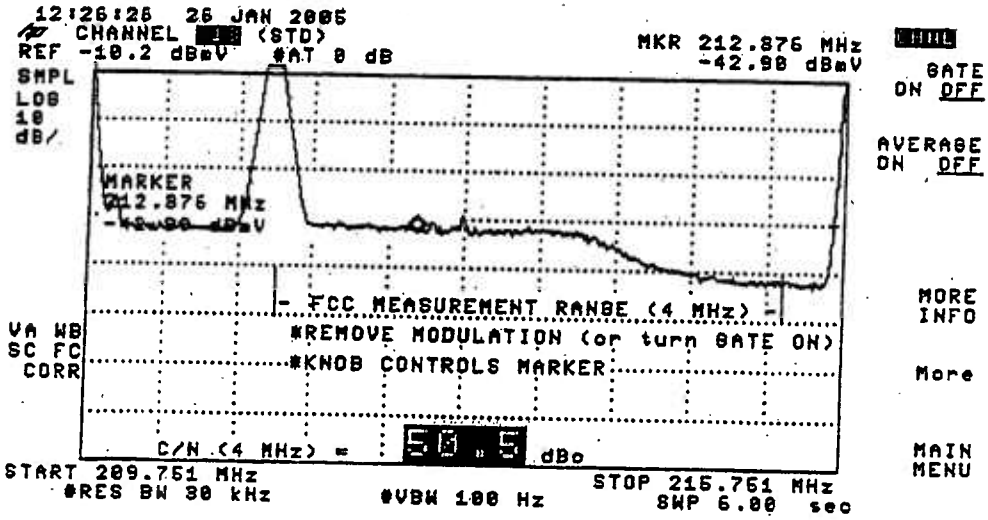

12:05:50 26 JAN 2005
CHANNEL 35 (STD)
REF -6.8 dBmV #AT 0 dB
MKR 292.485 MHz
-11.03 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 288.000 MHz
STOP 294.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec

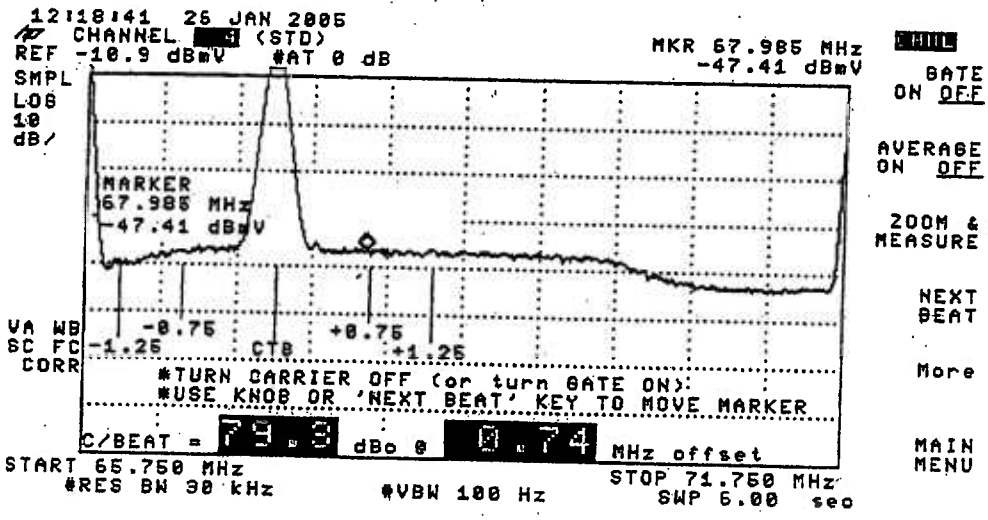

12:06:48 26 JAN 2005
CHANNEL 43 (STD)
REF -6.1 dBmV #AT 0 dB
MKR 340.245 MHz
-11.65 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
START 336.000 MHz
STOP 342.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec

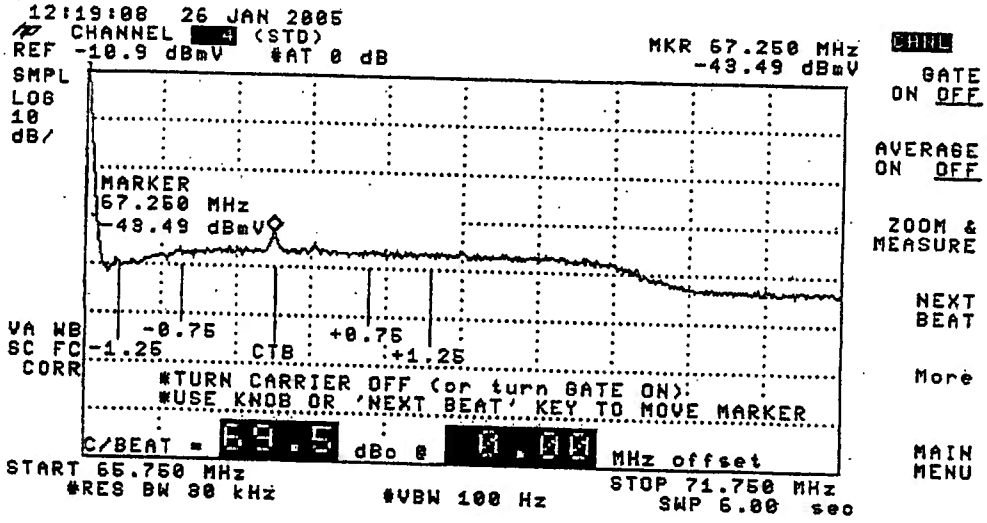

12:07:34 26 JAN 2005
CHANNEL (STD)
REF -6.2 dBmV #AT 0 dB
MKR 376.545 MHz
-11.85 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.6 dB
MAIN
MENU
START 372.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 378.000 MHz
SWP 20.0 msec

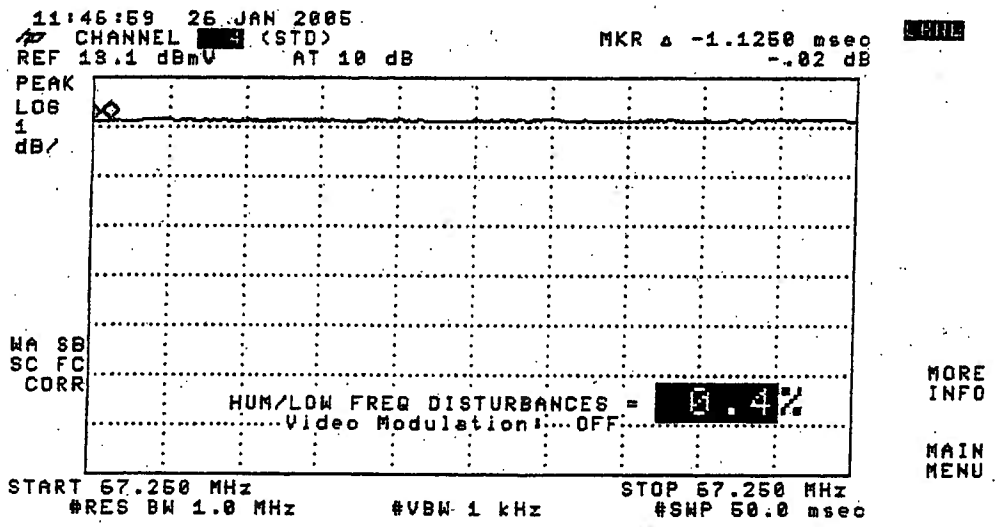

12:09:16 26 JAN 2005
CHANNEL (STD)
REF -5.9 dBmV #AT 0 dB
MKR 441.405 MHz
-11.74 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 438.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 444.000 MHz
SWP 20.0 msec


12:10:04 26 JAN 2005
CHANNEL (STD)
REF -6.1 dBmV #AT 0 dB
MKR 544.545 MHz
-11.00 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 = ± 0.5 dB
MAIN
MENU
START 540.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 546.000 MHz
SWP 20.0 msec


12:26:26 26 JAN 2005
CHANNEL (STD)
REF -10.2 dBmV #AT 0 dB
MKR 212.876 MHz
-42.90 dBmV
SMPL
LOG
10
dB/
MARKER
212.876 MHz
-42.90 dBmV
- FCC MEASUREMENT RANGE (4 MHz) -
VA WB
SC FC
CORR
#REMOVE MODULATION (or turn GATE ON)
#KNOB CONTROLS MARKER
C/N (4 MHz) = 50.5 dBc
START 209.751 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 215.751 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
MORE
INFO
More
MAIN
MENU


12:18:41 26 JAN 2005
CHANNEL (STD)
REF -10.9 dBmV #AT 0 dB
MKR 67.985 MHz
-47.41 dBmV
SMPL
LOG
10
dB/
MARKER
67.985 MHz
-47.41 dBmV
-0.75
+0.75
VA WB
SC FC
CORR
-1.25
CTR
+1.25
#TURN CARRIER OFF (or turn GATE ON):
#USE KNOB OR 'NEXT BEAT' KEY TO MOVE MARKER
C/BEAT = 79.3 dBc @ 0.74 MHz offset
START 65.750 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 71.750 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
NEXT
BEAT
More
MAIN
MENU


12:19:08 26 JAN 2005
CHANNEL (STD)
REF -10.9 dBmV #AT 0 dB
MKR 67.250 MHz
-43.49 dBmV
SMPL
LOG
10
dB/
MARKER
67.250 MHz
-43.49 dBmV
-0.75
+0.75
VA WB
SC FC
CORR
-1.25
CTR
+1.25
#TURN CARRIER OFF (or turn GATE ON):
#USE KNOB OR 'NEXT BEAT' KEY TO MOVE MARKER
C/BEAT = 69.5 dBc @ 0.00 MHz offset
START 65.750 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 71.750 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
NEXT
BEAT
More
MAIN
MENU


11:46:59 26 JAN 2005
CHANNEL [redacted] (STD)
REF 13.1 dBmV AT 10 dB
MKR Δ -1.1250 msec
-.02 dB
PEAK
LOG
1
dB/
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = 0.4%
Video Modulation: OFF
MORE
INFO
MAIN
MENU
START 67.250 MHz
#RES BW 1.0 MHz
#VBW 1 kHz
STOP 67.250 MHz
#SWP 50.0 msec

STPOINT 8, PAGE 5

TIME WARNER CABLE - SYRACUSE DIVISION

VISUAL CARRIER LEVEL VARIATION TEST

System Name	: Syracuse	*Test Location*	: 5746 Scenic Drive / Camillus
Date	: 01/13/2005	*Performed By*	: Paul Loran
Meter Serial Number	: 221998		

		TEMP F							TEMP F				
		47.00	58.00	62.00	38.00				47.00	58.00	62.00	38.00	
		TIME							TIME				
		08:21:00	14:29:00	20:30:00	02:28:00				08:21:00	14:29:00	20:30:00	02:28:00	
AN	FREQ (MHZ)	VISUAL LEVEL (DBMV)				MAX VAR	CHAN	FREQ (MHZ)	VISUAL LEVEL (DBMV)				MAX VAR
2	55.2500	10.70	10.20	9.70	10.80	1.1	DD (40)	319.2625	11.300	11.200	10.800	10.700	0.6
3	61.2500	11.40	10.90	10.40	11.40	1	EE (41)	325.2625	11.400	11.300	10.800	10.700	0.7
4	67.2500	10.90	10.50	9.90	10.80	1	FF (42)	331.2750	11.700	11.600	11.200	10.900	0.8
5	77.2500	9.80	9.40	8.90	9.70	0.9	GG (43)	337.2625	11.600	11.700	11.300	11.000	0.7
6	83.2500	9.70	9.40	8.80	9.70	0.9	HH (44)	343.2625	11.700	11.600	11.100	10.800	0.9
-5 (95)	91.2500						II (45)	349.2625	11.800	11.700	11.100	10.800	1
-4 (96)	97.2500						JJ (46)	355.2625	11.700	11.600	11.100	10.900	0.8
-3 (97)	103.2500						KK (47)	361.2625	11.900	11.800	11.200	11.100	0.8
-2 (98)	109.2750	10.10	9.80	9.20	9.80	0.9	LL (48)	367.2625	11.900	11.600	11.000	10.900	1
-1 (99)	115.2750	10.40	10.20	9.60	10.30	0.8	MM (49)	373.2625	11.700	11.700	11.100	10.900	0.8
A (14)	121.2625	10.60	10.50	9.90	10.50	0.7	NN (50)	379.2625	11.500	11.600	11.100	10.900	0.7
B (15)	127.2625	10.70	10.60	10.00	10.50	0.7	OO (51)	385.2625	11.300	11.400	10.900	10.700	0.7
C (16)	133.2625	10.70	10.50	10.00	10.50	0.7	PP (52)	391.2625	10.900	11.200	10.900	10.800	0.4
D (17)	139.2500	10.60	10.50	9.80	10.30	0.8	QQ (53)	397.2625	10.800	11.300	11.000	10.900	0.5
E (18)	145.2500	11.00	10.90	10.30	10.70	0.7	RR (54)	403.2500	11.200	11.600	11.200	11.200	0.4
F (19)	151.3210	11.60	11.50	11.10	11.30	0.5	SS (55)	409.2500	11.600	11.700	11.200	11.600	0.5
G (20)	157.2500	11.60	11.60	11.10	11.40	0.5	TT (56)	415.2500	11.300	11.100	10.300	11.100	1
H (21)	163.2500	12.20	12.20	11.70	11.90	0.5	UU (57)	421.2500	11.000	10.600	10.200	10.600	0.8
(22)	169.2500	12.20	12.10	11.70	12.00	0.5	VV (58)	427.2500	11.100	10.800	10.500	10.700	0.6
7	175.2500	12.40	12.10	11.80	12.00	0.6	WW (59)	433.2500	11.000	10.600	10.400	10.600	0.6
8	181.2500	12.50	12.50	12.00	12.10	0.5	XX (60)	439.2500	10.800	10.400	10.000	10.300	0.8
9	187.2500	12.20	12.10	11.70	11.90	0.5	YY (61)	445.2500	11.300	11.100	10.700	10.900	0.[illegible]
10	193.2500	12.40	12.30	11.90	12.10	0.5	ZZ (62)	451.2500	11.300	11.000	10.600	10.900	0.7
11	199.2500	12.20	12.20	11.80	12.00	0.4	63	457.2500	11.400	11.300	10.900	11.200	0.5
12	205.2500	12.30	12.30	11.80	11.90	0.5	64	463.2500	11.700	11.500	11.000	11.300	0.7
13	211.2500	12.60	12.60	12.10	12.20	0.5	65	469.2500	11.700	11.500	10.900	11.400	0.8
(23)	217.2500	12.60	12.70	12.10	12.30	0.6	66	475.2500	11.700	11.400	11.000	11.400	0.7
(24)	223.2500	12.20	12.20	11.70	11.80	0.5	67	481.2500	11.300	11.100	10.600	11.000	0.7
(25)	229.2625	12.20	12.20	11.70	11.60	0.6	68	487.2500	11.500	11.400	10.900	11.300	0.6
(26)	235.2625	12.00	12.40	11.80	11.70	0.7	69	493.2500	11.800	11.700	11.100	11.400	0.7
(27)	241.2625	11.90	12.10	11.60	11.70	0.5	70	499.2500	12.000	11.700	11.400	11.700	0.6
(28)	247.2625	11.60	11.90	11.40	11.40	0.5	71	505.2500	12.200	11.600	11.100	11.400	1.1
(29)	253.2625	11.40	11.60	11.10	11.20	0.5	72	511.2500	11.900	11.500	11.100	11.400	0.8
(30)	259.2625	11.40	11.60	11.20	11.10	0.5	73	517.2500	12.000	11.700	11.100	11.800	0.9
(31)	265.2625	11.30	11.50	11.10	11.10	0.4	74	523.2500	11.800	11.700	11.100	11.500	0.7
(32)	271.2625	11.10	11.10	10.40	10.40	0.7	75	529.2500	12.200	11.900	11.200	11.800	1
(33)	277.2625	11.40	11.40	11.00	10.90	0.5	76	535.2500	12.100	12.100	11.500	11.900	0.6
(34)	283.2625	11.40	11.60	11.10	11.10	0.5	77	541.2500	12.500	12.400	11.700	12.200	0.8
(35)	289.2625	11.40	11.60	11.10	11.10	0.5	78	547.2500	11.700	11.600	11.000	11.400	0.7
(36)	295.2625	10.70	10.80	10.40	10.40	0.4	79	553.2500					
A (37)	301.2625	10.90	10.90	10.50	10.50	0.4	80	559.2500	11.600	11.100	10.800	11.300	0.8
B (38)	307.2625	11.00	11.00	10.70	10.60	0.4	81	565.2500					
C (39)	313.2625	11.20	11.10	10.80	10.60	0.6							

Max Non Adjacent Channel Level Diff	:- 3.3
Max Adjacent Channel Level Diff	:- 1.1
Max Variance from last proof of performance test	:- N/A
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	:	Syracuse
System Test Point #	:	9
Hub Name	:	Baldwinsville
Location	:	3448 Hayes Road / Baldwinsville
Map Number	:	299-5666
Pole Number	:	Pole # 60/137
D.T. Value	:	17/4
OR Number	:	308
GNA Cascade	:	Node + 4
LE Cscade	:	2

TESTPOINT 9, PAGE 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	: Syracuse	**Test Location**	: 3448 Hayes Road / Baldwinsville
Date	: 01/13/2005	**Time**	: 08:52:00

CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)	CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)
2	55.2500	13.60	-0.10		13.7	DD (40)	319.2625	12.60	-2.20		14.8
3	61.2500	14.30	-1.50		15.8	EE (41)	325.2625	12.60	-2.30		14.9
4	67.2500	13.20	-1.90		15.1	FF (42)	331.2750	13.00	-1.60		14.6
5	77.2500	11.80	-3.50		15.3	GG (43)	337.2625	12.00	-2.50		14.5
6	83.2500	11.70	-3.10		14.8	HH (44)	343.2625	12.00	-2.40		14.4
A-5 (95)	91.2500	N/A	N/A		N/A	II (45)	349.2625	12.10	-3.30		15.4
A-4 (96)	97.2500	N/A	N/A		N/A	JJ (46)	355.2625	11.60	-4.10		15.7
A-3 (97)	103.2500	N/A	N/A		N/A	KK (47)	361.2625	10.30	-4.40		14.7
[illegible] (98)	109.2750	11.80	-2.60		14.4	LL (48)	367.2625	10.60	-4.20		14.8
[illegible] (99)	115.2750	9.40	-4.20		13.6	MM (49)	373.2625	10.70	-4.10		14.8
A (14)	121.2625	10.40	-4.20		14.6	NN (50)	379.2625	10.60	-4.50		15.1
B (15)	127.2625	10.30	-3.10		13.4	OO (51)	385.2625	9.40	-4.90		14.3
C (16)	133.2625	11.70	-2.40		14.1	PP (52)	391.2625	10.00	-4.00		14
D (17)	139.2500	11.50	-2.50		14	QQ (53)	397.2625	10.40	-4.40		14.8
E (18)	145.2500	11.60	-3.70		15.3	RR (54)	403.2500	10.40	-4.20		14.6
F (19)	151.2210	11.20	-3.10		14.3	SS (55)	409.2500	10.50	-4.70		15.2
G (20)	157.2500	10.60	-3.80		14.4	TT (56)	415.2500	9.90	-4.60		14.5
H (21)	163.2500	10.50	-3.90		14.4	UU (57)	421.2500	9.90	-4.00		13.9
I (22)	169.2500	10.10	-3.80		13.9	VV (58)	427.2500	10.50	-3.70		14.2
7	175.2500	10.40	-3.60		14	WW (59)	433.2500	10.60	-4.70		15.3
8	181.2500	10.50	-3.90		14.4	XX (60)	439.2500	10.10	-3.80		13.9
9	187.2500	10.20	-5.00		15.2	YY (61)	445.2500	10.50	-4.20		14.7
10	193.2500	10.10	-5.10		15.2	ZZ (62)	451.2500	10.60	-4.10		14.7
11	199.2500	9.80	-5.30		15.1	63	457.2500	10.20	-4.10		14.3
12	205.2500	9.50	-5.20		14.7	64	463.2500	9.90	-4.20		14.1
13	211.2500	9.30	-6.20		15.5	65	469.2500	10.40	-3.10		13.5
J (23)	217.2500	9.30	-6.00		15.3	66	475.2500	11.20	-3.70		14.9
K (24)	223.2500	7.70	-6.50		14.2	67	481.2500	10.80	-4.30		15.1
L (25)	229.2625	8.20	-6.00		14.2	68	487.2500	11.00	-3.60		14.6
M (26)	235.2625	8.60	-5.20		13.8	69	493.2500	11.60	-3.00		14.6
[illegible] (27)	241.2625	9.10	-6.40		15.5	70	499.2500	11.80	-2.30		14.1
[illegible] (28)	247.2625	8.50	-6.40		14.9	71	505.2500	10.90	-3.20		14.1
[illegible] (29)	253.2625	7.70	-5.70		13.4	72	511.2500	11.60	-3.00		14.6
Q (30)	259.2625	8.70	-3.60		12.3	73	517.2500	11.70	-3.10		14.8
R (31)	265.2625	10.70	-6.20		16.9	74	523.2500	11.70	-3.40		15.1
S (32)	271.2625	10.00	-4.10		14.1	75	529.2500	11.90	-2.80		14.7
T (33)	277.2625	10.50	-3.60		14.1	76	535.2500	11.80	-2.70		14.5
U (34)	283.2625	11.40	-4.10		15.5	77	541.2500	11.90	-3.30		15.2
V (35)	289.2625	11.00	-3.90		14.9	78	547.2500	11.40	-3.90		15.3
W (36)	295.2625	11.10	-2.60		13.7	79	553.2500	N/A	N/A		N/A
AA (37)	301.2625	12.10	-2.10		14.2	80	559.2500	10.00	-4.00		14
BB (38)	307.2625	12.60	-2.00		14.6	81	565.2500	N/A	N/A		N/A
CC (39)	313.2625	12.50	-1.40		13.9						

Min Channel	:	K(24)	7.700
Max Channel	:	3	14.300
Peak to Valley	:	6.6	

TESTPOINT 9, PAGE 3

TIME WARNER CABLE - SYRACUSE DIVISION

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

System Name : Syracuse **Date** : 1/27/2005

Performed By : Rodney Levesque

[illegible]ion : 3448 Hayes Road / Baldwinsville

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

CHANNEL NUMBER	IN CHANNEL RESPONSE	CARRIER TO NOISE RATIO	DISTORTIONS	CSO	HUM
	(+/- DB)	(DB)	(-DBC) CTB		(%)
4	0.8	49.8	70.0	79.9	0.5
14	0.3	49.1	66.7	74.8	
20	0.5	49.5	67.2	76.5	
13	0.3	48.7	66.6	73.9	
35	0.4	50.4	65.2	72.9	
43	0.7	49.7	64.4	68.2	
49	0.5	49.3	65.4	67.1	
60	0.2	49.1	64.2	65.5	
77	0.4	51.1	65.4	70.9	

TIME WARNER CABLE - SYRACUSE DIVISION

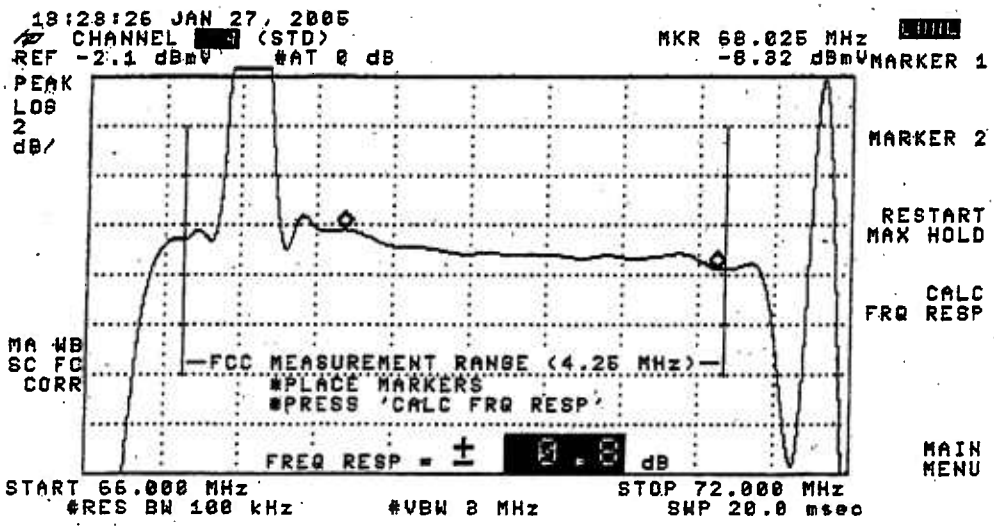
IN CHANNEL FREQUENCY RESPONSE TEST
(76.605) (a) (6)

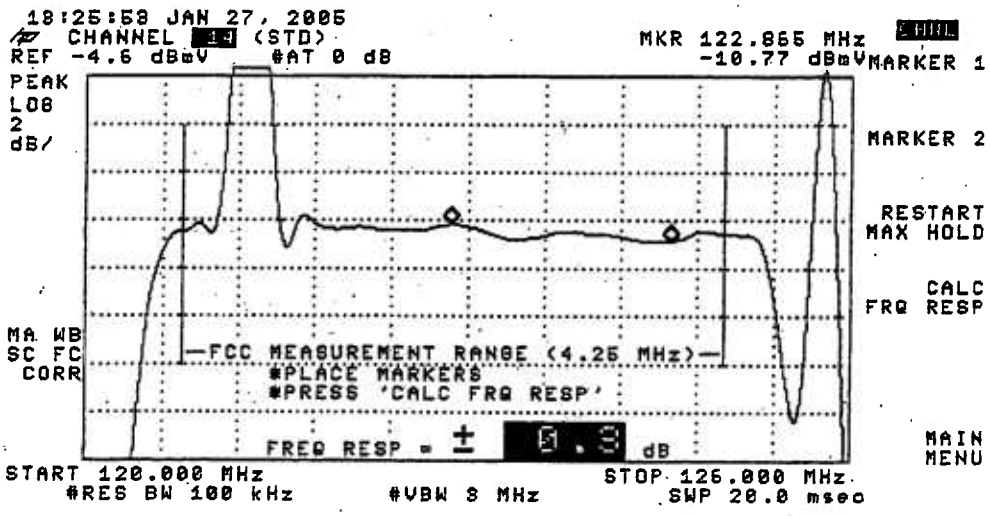
System Name : Syracuse ***Date*** : 1/27/2005

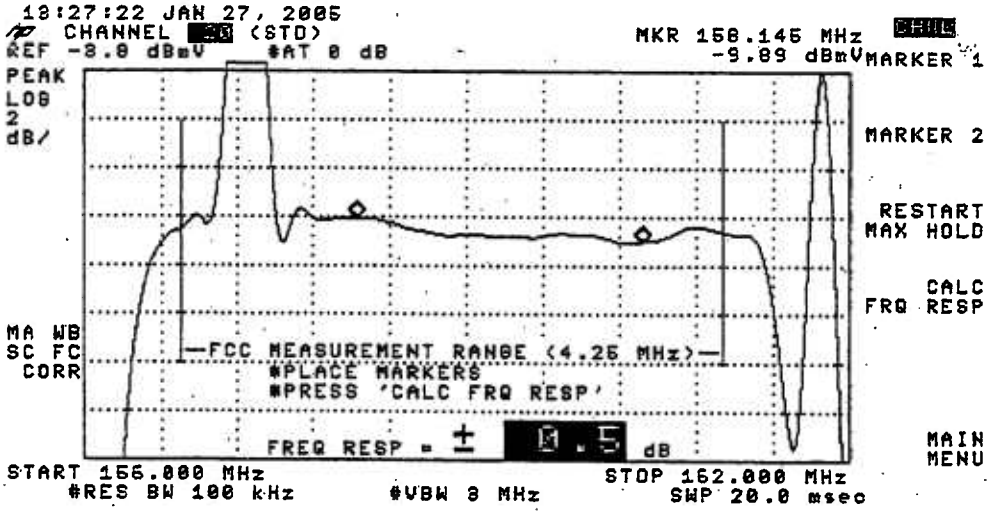
Performed By : Rodney Levesque

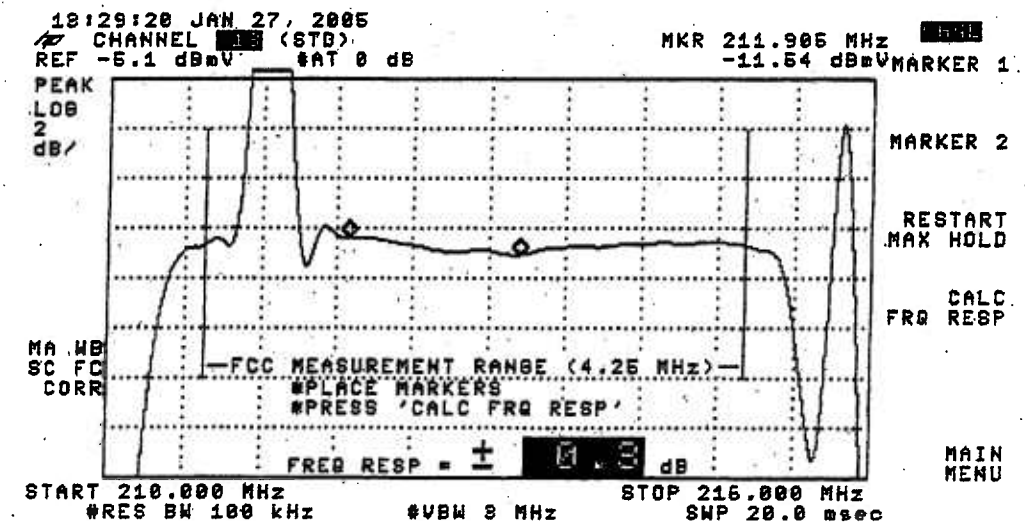
Location : 3448 Hayes Road / Baldwinsville

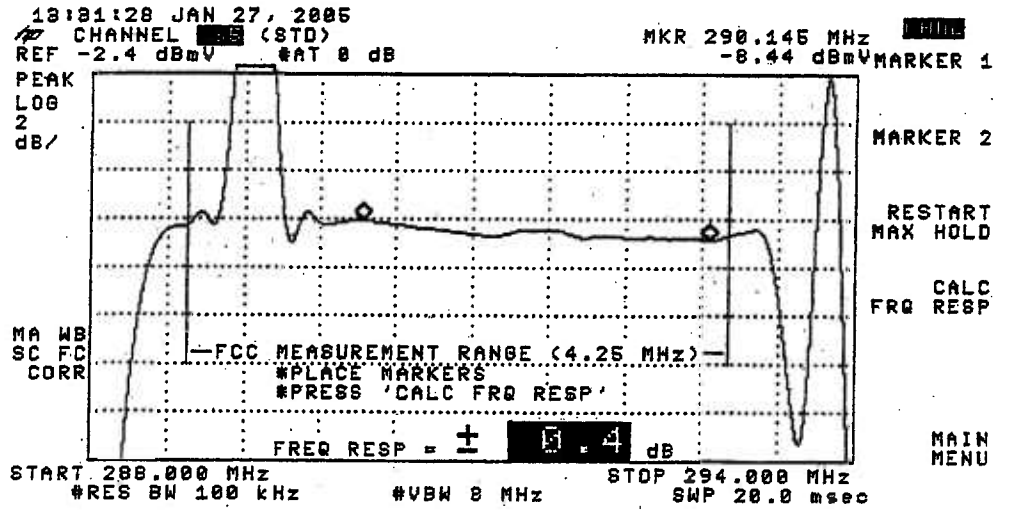
(SEE THE ATTACHED SWEEP TRACES)

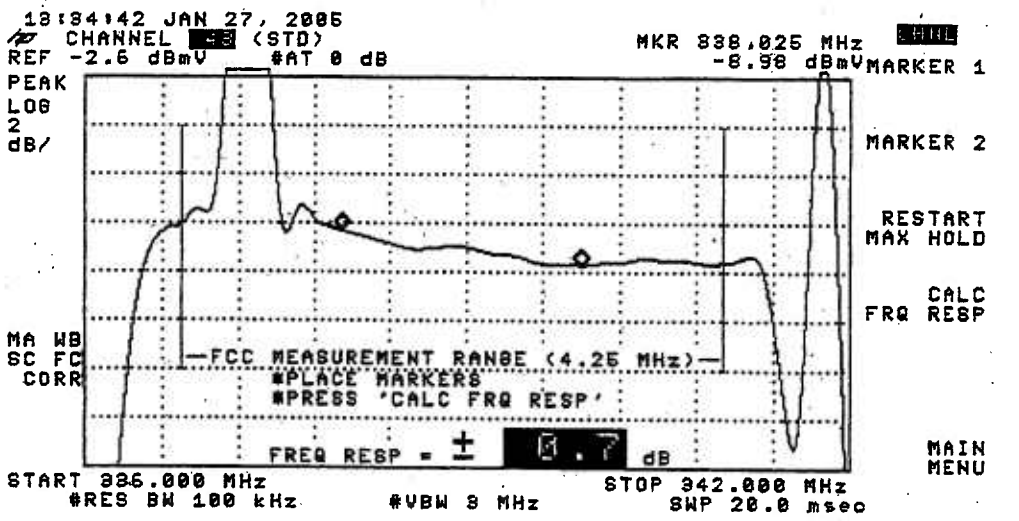

18:28:26 JAN 27, 2005
CHANNEL (STD)
REF -2.1 dBmV
#AT 0 dB
MKR 68.025 MHz
-8.32 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.8 dB
MAIN
MENU
START 66.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 72.000 MHz
SWP 20.0 msec

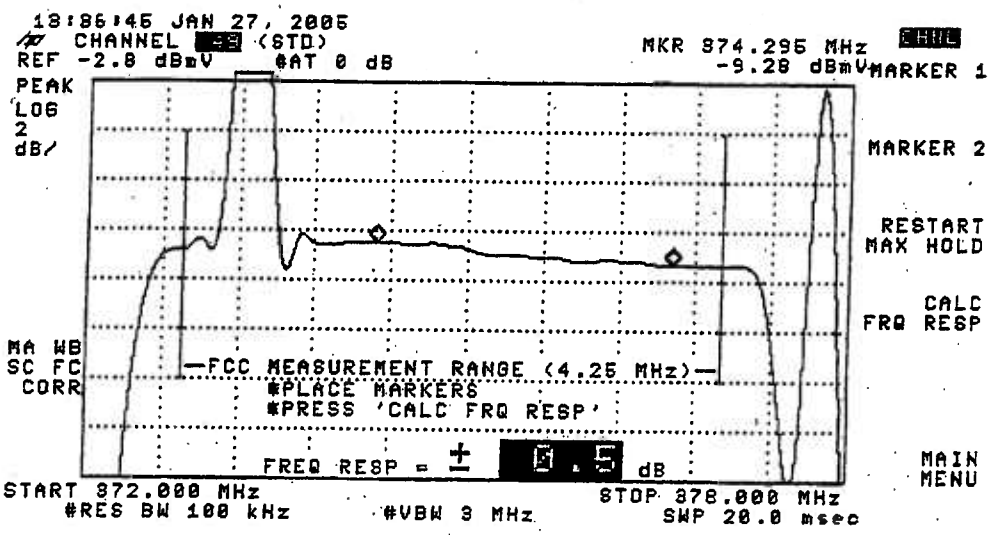

18:25:58 JAN 27, 2005
CHANNEL (STD)
REF -4.6 dBmV
#AT 0 dB
MKR 122.855 MHz
-10.77 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 120.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 126.000 MHz
SWP 20.0 msec

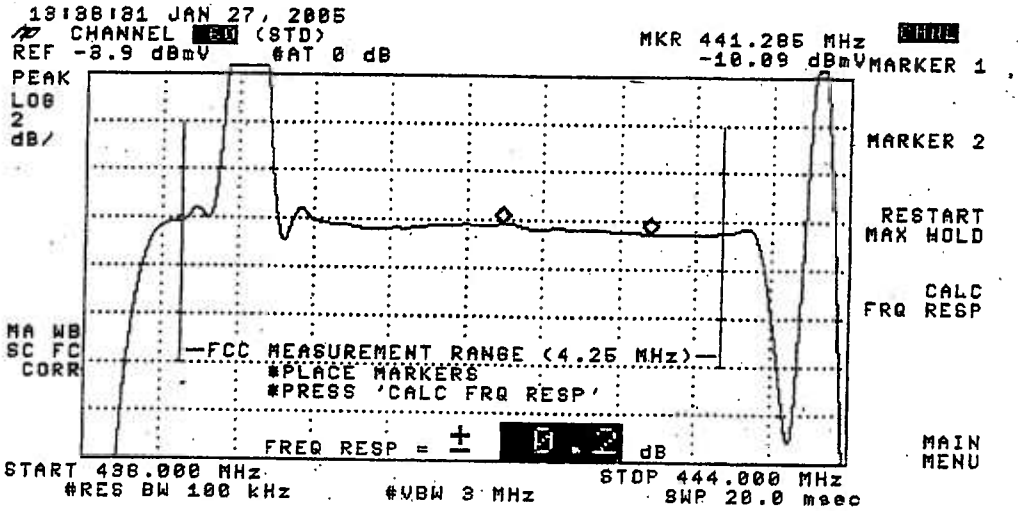

18:27:22 JAN 27, 2005
CHANNEL (STD)
REF -3.8 dBmV
#AT 0 dB
MKR 158.145 MHz
-9.89 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
START 156.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 162.000 MHz
SWP 20.0 msec

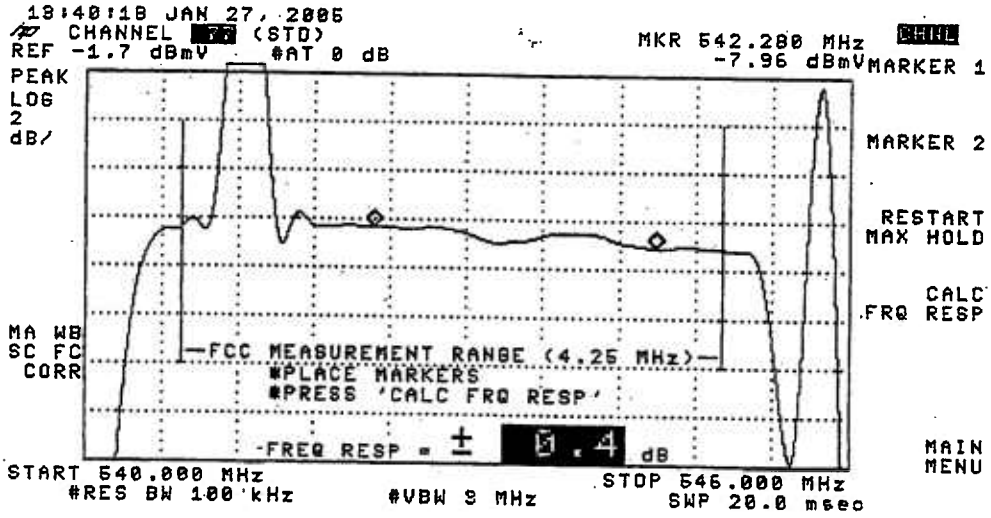

18:29:20 JAN 27, 2005
CHANNEL (STD)
REF -5.1 dBmV #AT 0 dB
MKR 211.905 MHz
-11.54 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 210.000 MHz
STOP 216.000 MHz
#RES BW 100 kHz
#VBW 8 MHz
SWP 20.0 msec

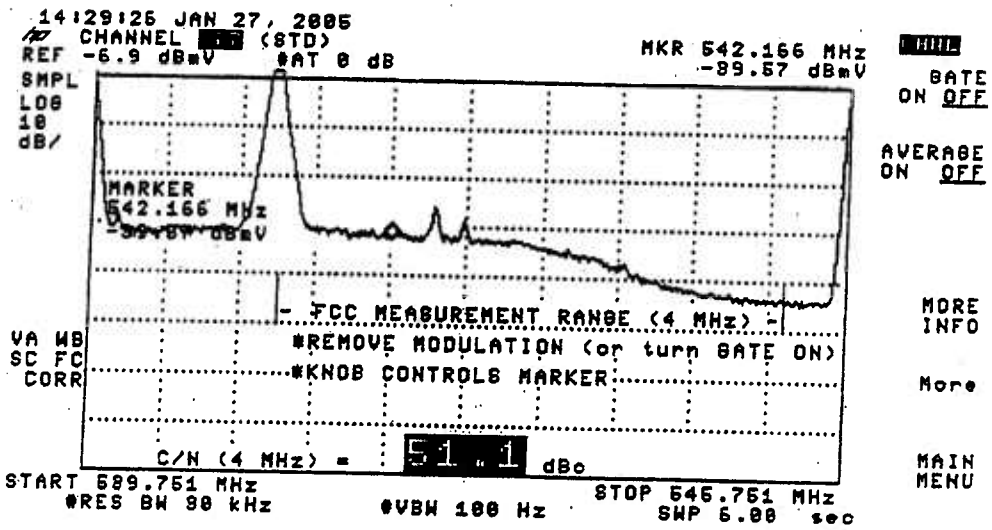

18:31:28 JAN 27, 2005
CHANNEL (STD)
REF -2.4 dBmV #AT 0 dB
MKR 290.145 MHz
-8.44 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 288.000 MHz
STOP 294.000 MHz
#RES BW 100 kHz
#VBW 8 MHz
SWP 20.0 msec

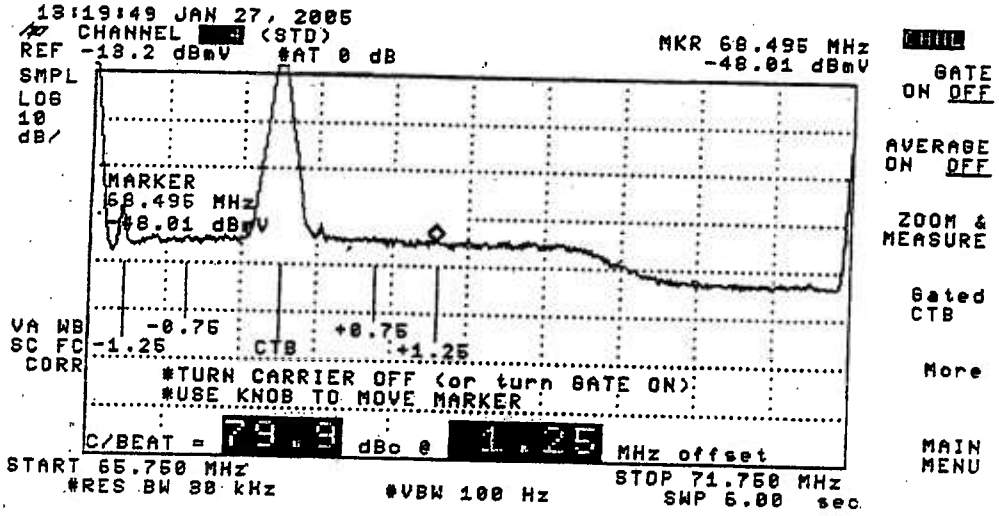

18:34:42 JAN 27, 2005
CHANNEL (STD)
REF -2.6 dBmV #AT 0 dB
MKR 338.025 MHz
-8.98 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.7 dB
MAIN
MENU
START 336.000 MHz
STOP 342.000 MHz
#RES BW 100 kHz
#VBW 8 MHz
SWP 20.0 msec

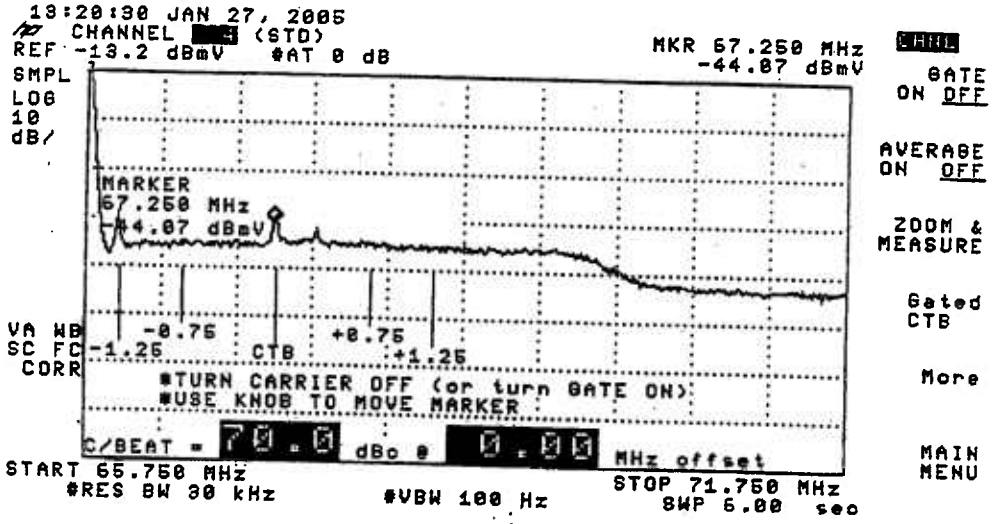

18:36:45 JAN 27, 2005
CHANNEL 32 (STD)
REF -2.8 dBmV #AT 0 dB
MKR 874.295 MHz
-9.28 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
START 872.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 878.000 MHz
SWP 20.0 msec


18:38:31 JAN 27, 2005
CHANNEL 60 (STD)
REF -3.9 dBmV #AT 0 dB
MKR 441.285 MHz
-10.09 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 436.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 444.000 MHz
SWP 20.0 msec


18:40:18 JAN 27, 2005
CHANNEL 78 (STD)
REF -1.7 dBmV #AT 0 dB
MKR 542.280 MHz
-7.96 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 = ± 0.4 dB
MAIN
MENU
START 540.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 546.000 MHz
SWP 20.0 msec


14:29:25 JAN 27, 2005
CHANNEL (STD)
REF -6.9 dBmV
#AT 0 dB
MKR 542.166 MHz
-89.57 dBmV
SMPL
LOG
10
dB/
MARKER
542.166 MHz
- FCC MEASUREMENT RANGE (4 MHz) -
#REMOVE MODULATION (or turn GATE ON)
#KNOB CONTROLS MARKER
VA WB
SC FC
CORR
C/N (4 MHz) = 51.1 dBc
START 589.751 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 545.751 MHz
SWP 5.00 sec
GATE
ON OFF
AVERAGE
ON OFF
MORE
INFO
More
MAIN
MENU


13:19:49 JAN 27, 2005
CHANNEL (STD)
REF -13.2 dBmV
#AT 0 dB
MKR 68.495 MHz
-48.01 dBmV
SMPL
LOG
10
dB/
MARKER
68.495 MHz
-48.01 dBmV
-0.75
+0.75
-1.25
CTB
+1.25
VA WB
SC FC
CORR
#TURN CARRIER OFF (or turn GATE ON)
#USE KNOB TO MOVE MARKER
C/BEAT = 79.9 dBc @ 1.25 MHz offset
START 65.750 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 71.750 MHz
SWP 5.00 sec
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
Gated
CTB
More
MAIN
MENU


13:20:30 JAN 27, 2005
CHANNEL (STD)
REF -13.2 dBmV
#AT 0 dB
MKR 67.250 MHz
-44.07 dBmV
SMPL
LOG
10
dB/
MARKER
67.250 MHz
-44.07 dBmV
-0.75
+0.75
-1.25
CTB
+1.25
VA WB
SC FC
CORR
#TURN CARRIER OFF (or turn GATE ON)
#USE KNOB TO MOVE MARKER
C/BEAT = 70.0 dBc @ 0.00 MHz offset
START 65.750 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 71.750 MHz
SWP 5.00 sec
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
Gated
CTB
More
MAIN
MENU

13:16:02 JAN 27, 2005
CHANNEL [redacted] (STD)
REF 14.8 dBmV #AT 0 dB

MKR Δ -1.8750 msec
-.05 dB

PEAK
LOG
1
dB/

WA SB
SC FC
CORR

HUM/LOW FREQ DISTURBANCES = 0.5%
Video Modulation: OFF

MORE
INFO

MAIN
MENU

START 57.288 MHz
#RES BW 1.0 MHz #VBW 1 kHz

STOP 67.288 MHz
#SWP 50.0 msec

TESTPOINT 9, PAGE 5

TIME WARNER CABLE - SYRACUSE DIVISION

VISUAL CARRIER LEVEL VARIATION TEST

System Name	: Syracuse	**Test Location**	: 3448 Hayes Road / Baldwinsville
Date	: 01/13/2005	**Performed By**	: Don Singleton
Meter Serial Number	: 221998		

		TEMP F							TEMP F				
		0.00	0.00	0.00	0.00				0.00	0.00	0.00	0.00	
		TIME							TIME				
		08:52:00	14:59:00	21:00:00	02:58:00				08:52:00	14:59:00	21:00:00	02:58:00	
CHAN	FREQ (MHZ)	VISUAL LEVEL (DBMV)				MAX VAR	CHAN	FREQ (MHZ)	VISUAL LEVEL (DBMV)				MAX VAR
2	55.2500	13.60	13.20	12.90	13.90	1	DD (40)	319.2625	12.600	11.900	11.500	13.300	1.8
3	61.2500	14.30	14.00	13.60	14.40	0.8	EE (41)	325.2625	12.600	11.800	11.300	13.200	1.9
4	67.2500	13.20	12.80	12.30	13.40	1.1	FF (42)	331.2750	13.000	12.100	11.600	13.600	2
5	77.2500	11.80	11.50	11.00	12.10	1.1	GG (43)	337.2625	12.000	11.400	10.800	13.000	2.2
6	83.2500	11.70	11.30	11.00	11.70	0.7	HH (44)	343.2625	12.000	11.200	10.600	12.800	2.2
A-5 (95)	91.2500						II (45)	349.2625	12.100	11.200	10.400	12.800	2.4
[redacted]	97.2500						JJ (46)	355.2625	11.600	10.700	10.000	12.400	2.4
[redacted]	103.2500						KK (47)	361.2625	10.300	9.600	8.800	11.200	2.4
[redacted]	109.2750	11.80	10.90	9.70	11.80	2.1	LL (48)	367.2625	10.600	9.900	9.200	11.600	2.4
A-1 (99)	115.2750	9.40	8.80	8.40	10.00	1.6	MM (49)	373.2625	10.700	9.800	8.900	11.500	2.6
A (14)	121.2625	10.40	9.80	9.40	11.00	1.6	NN (50)	379.2625	10.600	9.700	9.000	11.400	2.4
B (15)	127.2625	10.30	9.90	9.50	11.10	1.6	OO (51)	385.2625	9.400	8.700	8.100	10.400	2.3
C (16)	133.2625	11.70	11.10	10.90	11.80	0.9	PP (52)	391.2625	10.000	9.200	8.600	10.900	2.3
D (17)	139.2500	11.50	11.00	10.60	11.80	1.2	QQ (53)	397.2625	10.400	9.500	8.900	11.100	2.2
E (18)	145.2500	11.60	11.30	10.60	12.10	1.5	RR (54)	403.2500	10.400	9.700	9.000	11.200	2.2
F (19)	151.3210	11.20	10.80	10.30	11.70	1.4	SS (55)	409.2500	10.500	9.800	9.300	11.500	2.2
G (20)	157.2500	10.60	10.20	9.60	11.10	1.5	TT (56)	415.2500	9.900	9.100	8.500	10.800	2.3
H (21)	163.2500	10.50	10.10	9.50	11.10	1.6	UU (57)	421.2500	9.900	9.100	8.500	10.700	2.2
I (22)	169.2500	10.10	9.70	9.10	10.50	1.4	VV (58)	427.2500	10.500	9.700	9.000	11.300	2.3
7	175.2500	10.40	10.00	9.30	10.90	1.6	WW (59)	433.2500	10.600	9.700	9.000	11.400	2.4
8	181.2500	10.50	10.00	9.20	11.00	1.8	XX (60)	439.2500	10.100	9.200	8.500	10.800	2.3
9	187.2500	10.20	9.70	8.90	10.50	1.6	YY (61)	445.2500	10.500	9.900	9.100	11.300	2.2
10	193.2500	10.10	9.80	9.20	10.50	1.3	ZZ (62)	451.2500	10.600	9.900	9.100	11.300	2.2
11	199.2500	9.80	9.20	8.80	10.30	1.5	63	457.2500	10.200	9.400	8.700	11.100	2.4
12	205.2500	9.50	9.00	8.30	9.90	1.6	64	463.2500	9.900	9.200	8.300	10.600	2.3
13	211.2500	9.30	8.70	8.00	9.60	1.6	65	469.2500	10.400	9.600	8.900	11.100	2.2
J (23)	217.2500	9.30	9.00	8.20	9.80	1.6	66	475.2500	11.200	10.200	9.600	11.900	2.3
K (24)	223.2500	7.70	7.20	6.50	8.20	1.7	67	481.2500	10.800	10.000	9.300	12.000	2.7
[redacted]	229.2625	8.20	7.60	6.90	8.60	1.7	68	487.2500	11.000	10.300	9.600	11.800	2.2
[redacted]	235.2625	8.60	8.20	7.70	9.10	1.4	69	493.2500	11.600	10.700	10.000	12.200	2.2
N (27)	241.2625	9.10	8.60	8.20	9.90	1.7	70	499.2500	11.800	10.900	10.200	12.500	2.3
O (28)	247.2625	8.50	7.80	7.20	9.10	1.9	71	505.2500	10.900	10.000	9.500	11.500	2
P (29)	253.2625	7.70	6.80	6.40	8.10	1.7	72	511.2500	11.600	10.800	10.300	12.400	2.1
Q (30)	259.2625	8.70	7.90	7.20	9.20	2	73	517.2500	11.700	10.900	10.100	12.400	2.3
R (31)	265.2625	10.70	9.90	9.40	11.40	2	74	523.2500	11.700	10.900	10.200	12.600	2.4
S (32)	271.2625	10.00	9.20	8.70	10.70	2	75	529.2500	11.900	11.200	10.600	12.800	2.2
T (33)	277.2625	10.50	9.80	9.20	11.20	2	76	535.2500	11.800	11.000	10.500	12.800	2.3
U (34)	283.2625	11.40	10.80	10.40	12.30	1.9	77	541.2500	11.900	11.100	10.500	12.900	2.4
V (35)	289.2625	11.00	10.70	10.30	12.30	2	78	547.2500	11.400	10.400	10.000	12.400	2.4
W (36)	295.2625	11.10	10.20	9.80	11.90	2.1	79	553.2500					
AA (37)	301.2625	12.10	10.60	10.00	12.70	2.7	80	559.2500	10.000	9.100	9.000	11.100	2.1
BB (38)	307.2625	12.60	11.60	11.30	12.80	1.5	81	565.2500					
CC (39)	313.2625	12.50	11.70	11.20	13.10	1.9							

Max Non Adjacent Channel Level Diff	:- 7.2
Max Adjacent Channel Level Diff	:- 2.4
Max Variance from last proof of performance test	:- N/A
Date of last proof of performance test	:- N/A

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

TESTPOINT 10, PAGE 1

TIME WARNER CABLE - SYRACUSE DIVISION

System Name	:	Syracuse
System Test Point #	:	10
Hub Name	:	Baldwinsville
Location	:	8850 East Mudlake Road / Baldwinsville
Map Number	:	266-5694
Pole Number	:	Pole # 35.5/6
D.T. Value	:	17/4
OR Number	:	303
GNA Cascade	:	Node + 3
LE Cscade	:	2

TESTPOINT 10, PAGE 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	: Syracuse	**Test Location**	: 8850 East Mudlake Road / Baldwinsville
Date	: 01/13/2005	**Time**	: 09:20:00

CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)	CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)
2	55.2500	12.30	-0.50		12.8	DD (40)	319.2625	15.80	1.20		14.6
3	61.2500	13.50	-1.20		14.7	EE (41)	325.2625	15.70	1.30		14.4
4	67.2500	13.60	-1.20		14.8	FF (42)	331.2750	16.30	1.70		14.6
5	77.2500	13.20	-1.80		15	GG (43)	337.2625	15.50	0.90		14.6
6	83.2500	13.40	-1.00		14.4	HH (44)	343.2625	15.70	1.30		14.4
A-5 (95)	91.2500	N/A	N/A		N/A	II (45)	349.2625	15.30	0.10		15.2
A-4 (96)	97.2500	N/A	N/A		N/A	JJ (46)	355.2625	15.20	-0.30		15.5
A-3 (97)	103.2500	N/A	N/A		N/A	KK (47)	361.2625	14.30	-0.60		14.9
[illegible] (98)	109.2750	14.50	-0.30		14.8	LL (48)	367.2625	13.90	-1.10		15
[illegible] (99)	115.2750	12.10	-1.60		13.7	MM (49)	373.2625	13.70	-1.40		15.1
A (14)	121.2625	13.10	-1.50		14.6	NN (50)	379.2625	13.10	-2.20		15.3
B (15)	127.2625	12.90	-1.90		14.8	OO (51)	385.2625	11.90	-2.90		14.8
C (16)	133.2625	12.50	-1.20		13.7	PP (52)	391.2625	11.60	-2.50		14.1
D (17)	139.2500	13.20	-0.60		13.8	QQ (53)	397.2625	12.20	-2.60		14.8
E (18)	145.2500	13.50	-1.50		15	RR (54)	403.2500	11.80	-2.80		14.6
F (19)	151.3210	13.50	-0.70		14.2	SS (55)	409.2500	11.90	-3.20		15.1
G (20)	157.2500	13.10	-0.90		14	TT (56)	415.2500	11.10	-4.20		15.3
H (21)	163.2500	13.90	-0.80		14.7	UU (57)	421.2500	10.80	-3.40		14.2
I (22)	169.2500	13.60	-0.60		14.2	VV (58)	427.2500	11.10	-2.90		14
7	175.2500	13.90	-0.10		14	WW (59)	433.2500	11.10	-3.80		14.9
8	181.2500	14.10	-0.40		14.5	XX (60)	439.2500	11.00	-3.10		14.1
9	187.2500	13.60	-1.60		15.2	YY (61)	445.2500	11.20	-3.00		14.2
10	193.2500	13.70	-1.40		15.1	ZZ (62)	451.2500	11.90	-2.60		14.5
11	199.2500	13.30	-1.30		14.6	63	457.2500	11.60	-2.70		14.3
12	205.2500	13.00	-2.20		15.2	64	463.2500	11.70	-2.40		14.1
13	211.2500	13.10	-2.40		15.5	65	469.2500	11.80	-2.20		14
J (23)	217.2500	12.90	-2.20		15.1	66	475.2500	12.40	-2.20		14.6
K (24)	223.2500	11.40	-3.00		14.4	67	481.2500	12.60	-2.80		15.4
L (25)	229.2625	11.90	-1.80		13.7	68	487.2500	12.60	-1.90		14.5
M (26)	235.2625	12.60	-2.10		14.7	69	493.2500	13.10	-0.80		13.9
[illegible] (27)	241.2625	12.40	-2.50		14.9	70	499.2500	14.00	-0.30		14.3
[illegible] (28)	247.2625	11.40	-3.40		14.8	71	505.2500	13.90	-0.80		14.7
P (29)	253.2625	10.90	-3.00		13.9	72	511.2500	14.00	-0.30		14.3
Q (30)	259.2625	11.60	-1.00		12.6	73	517.2500	14.40	-0.30		14.7
R (31)	265.2625	13.60	-2.90		16.5	74	523.2500	14.40	-0.60		15
S (32)	271.2625	13.10	-0.70		13.8	75	529.2500	14.10	0		14.1
T (33)	277.2625	14.20	0		14.2	76	535.2500	14.00	-0.30		14.3
U (34)	283.2625	14.30	-0.70		15	77	541.2500	14.20	-0.90		15.1
V (35)	289.2625	14.30	-0.80		15.1	78	547.2500	13.00	-2.20		15.2
W (36)	295.2625	14.50	0.30		14.2	79	553.2500	N/A	N/A		N/A
AA (37)	301.2625	15.00	0.30		14.7	80	559.2500	12.90	-2.00		14.9
BB (38)	307.2625	14.80	0.70		14.1	81	565.2500	N/A	N/A		N/A
CC (39)	313.2625	15.10	1.30		13.8						

Min Channel	:	UU(57)	10.800
Max Channel	:	FF(42)	16.300
Peak to Valley	:	5.5	

TESTPOINT 10, PAGE 3

TIME WARNER CABLE - SYRACUSE DIVISION

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

System Name : Syracuse ***Date*** : 01/27/2005

Performed By : Rodney Levesque

Location : 8850 East Mudlake Road / Baldwinsville

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

CHANNEL NUMBER	IN CHANNEL RESPONSE	CARRIER TO NOISE RATIO	DISTORTIONS	CSO	HUM
	(+/- DB)	(DB)	(-DBC) CTB		(%)
4	0.4	48.5	67.8	78.4	0.5
14	0.6	48.0	67.6	76.3	
20	0.3	47.3	67.6	76.2	
13	0.3	48.3	67.6	75.1	
35	0.3	48.5	66.4	72.3	
43	0.5	49.0	66.5	70.1	
49	0.6	47.9	63.7	70.1	
60	0.6	47.7	64.7	67.3	
77	0.6	49.1	66.5	68.8	

TIME WARNER CABLE - SYRACUSE DIVISION

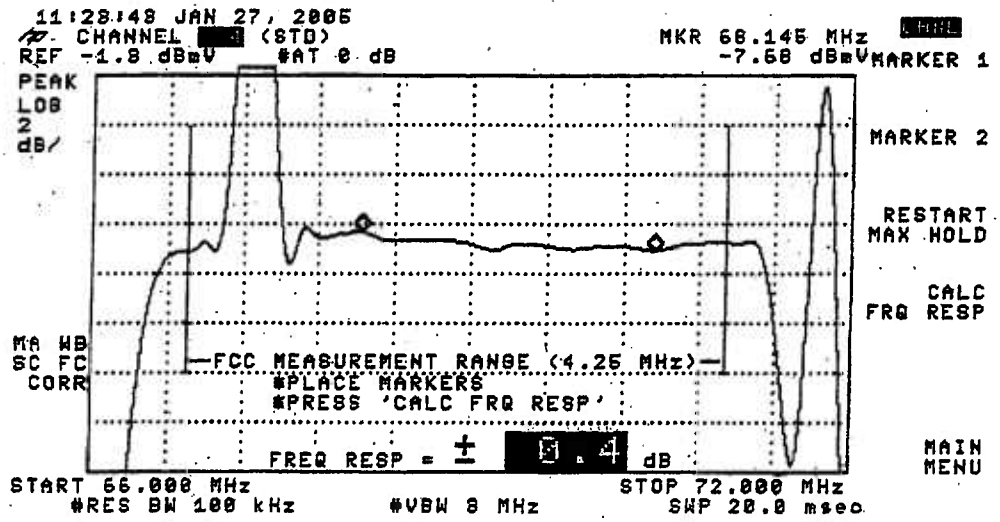
IN CHANNEL FREQUENCY RESPONSE TEST (76.605) (a) (6)

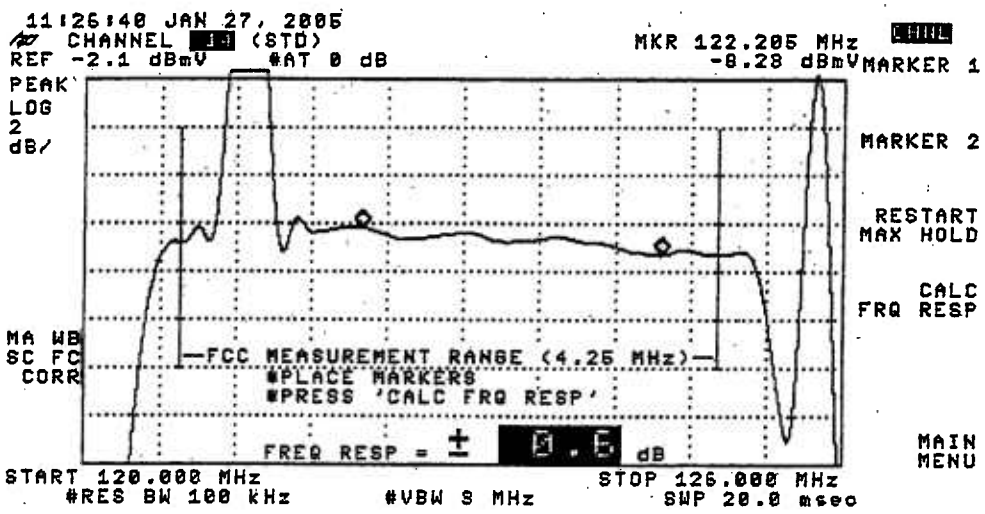
System Name : Syracuse ***Date*** : 01/27/2005

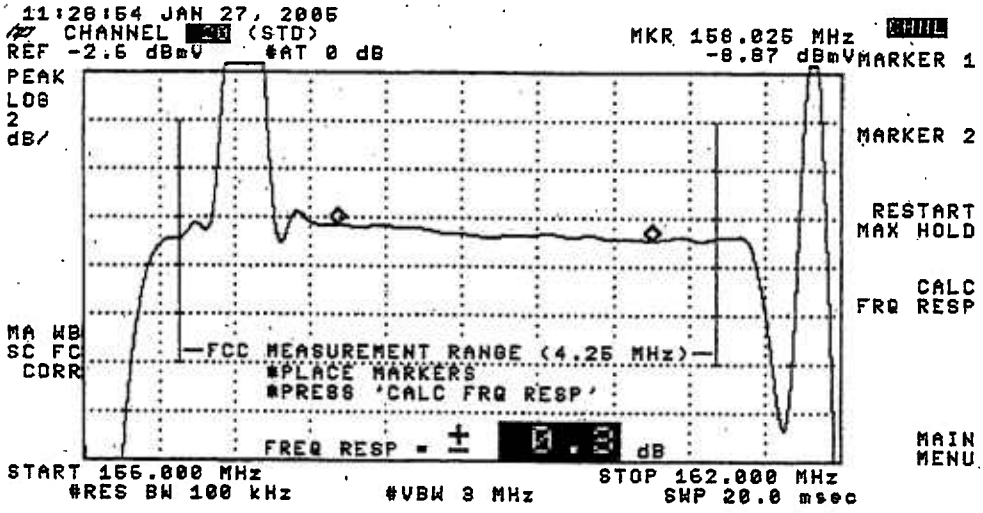
Performed By : Rodney Levesque

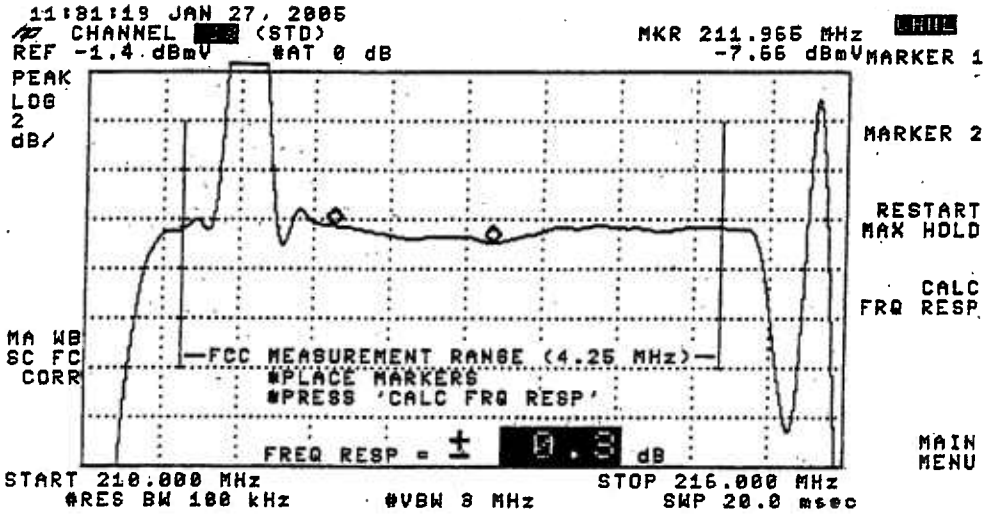
Location : 8850 East Mudlake Road / Baldwinsville

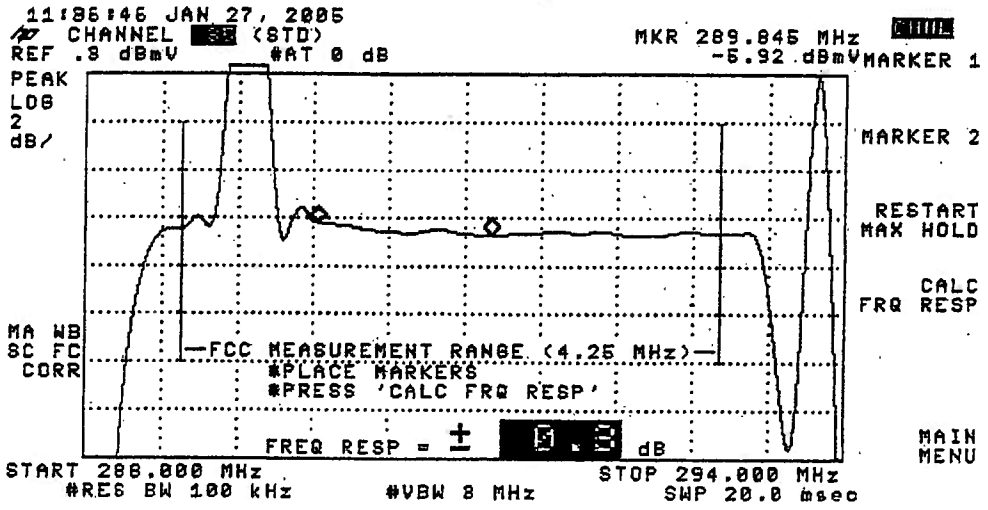
(SEE THE ATTACHED SWEEP TRACES)

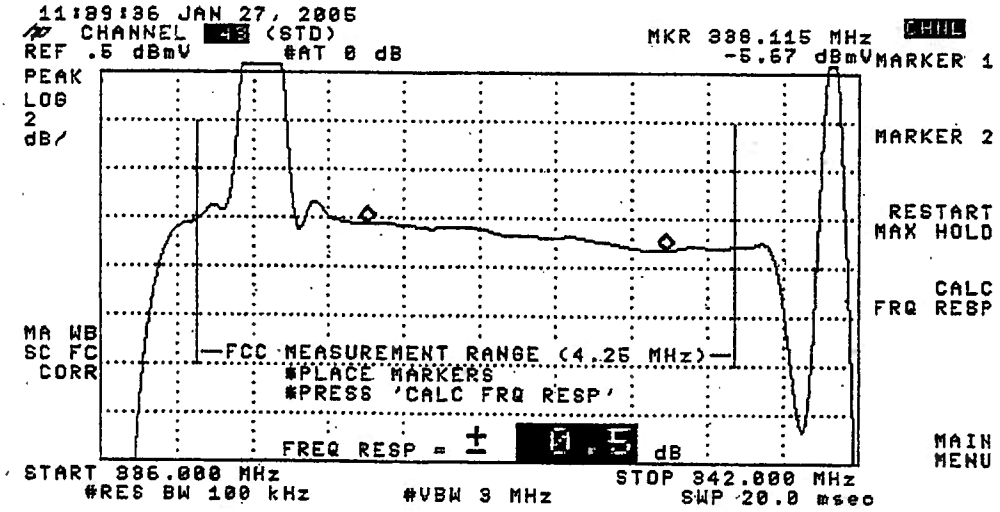

11:23:48 JAN 27, 2005
CHANNEL (STD)
REF -1.8 dBmV
#AT 0 dB
MKR 68.145 MHz
-7.68 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 66.000 MHz
STOP 72.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec

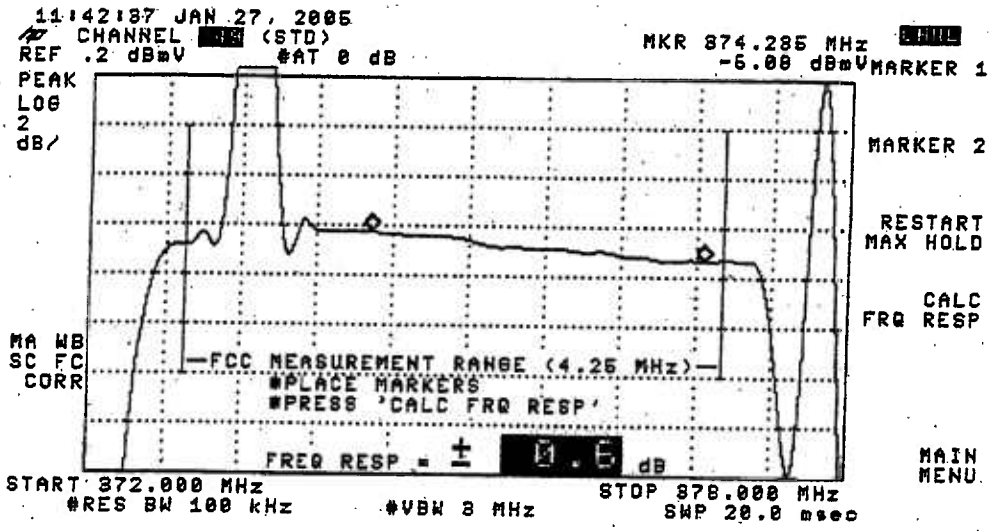

11:26:40 JAN 27, 2005
CHANNEL (STD)
REF -2.1 dBmV
#AT 0 dB
MKR 122.205 MHz
-8.28 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.6 dB
MAIN
MENU
START 120.000 MHz
STOP 126.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec

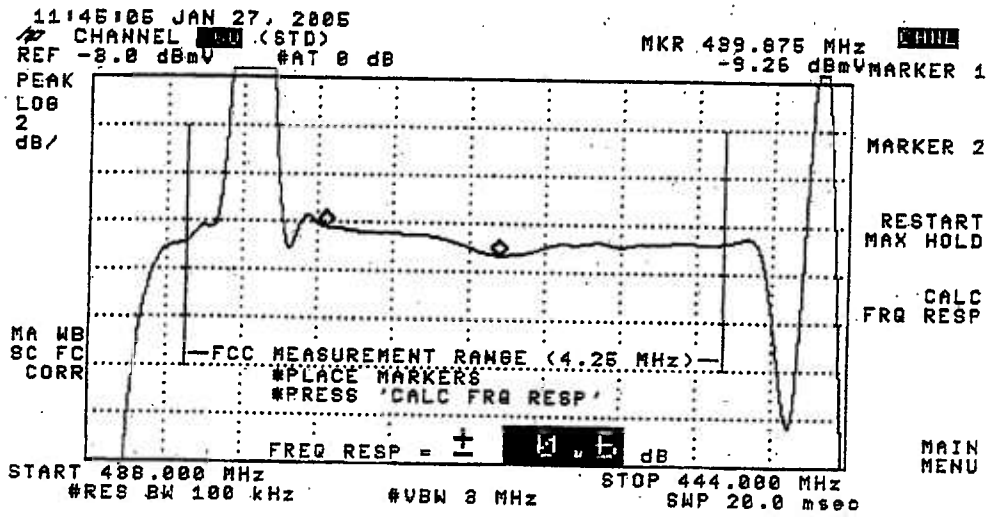

11:28:54 JAN 27, 2005
CHANNEL (STD)
REF -2.6 dBmV
#AT 0 dB
MKR 158.025 MHz
-8.87 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 156.000 MHz
STOP 162.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec

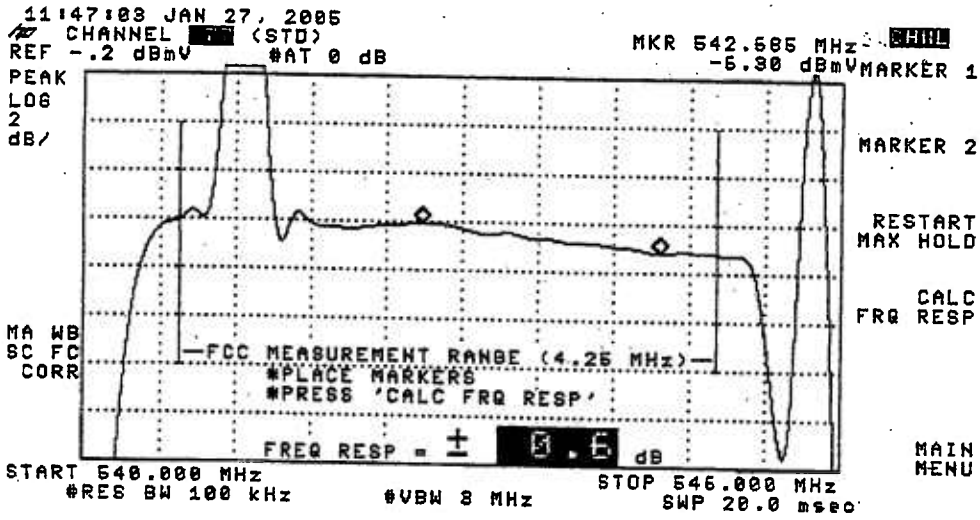

11:01:19 JAN 27, 2005
CHANNEL (STD)
REF -1.4 dBmV
#AT 0 dB
MKR 211.965 MHz
-7.56 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 210.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 216.000 MHz
SWP 20.0 msec

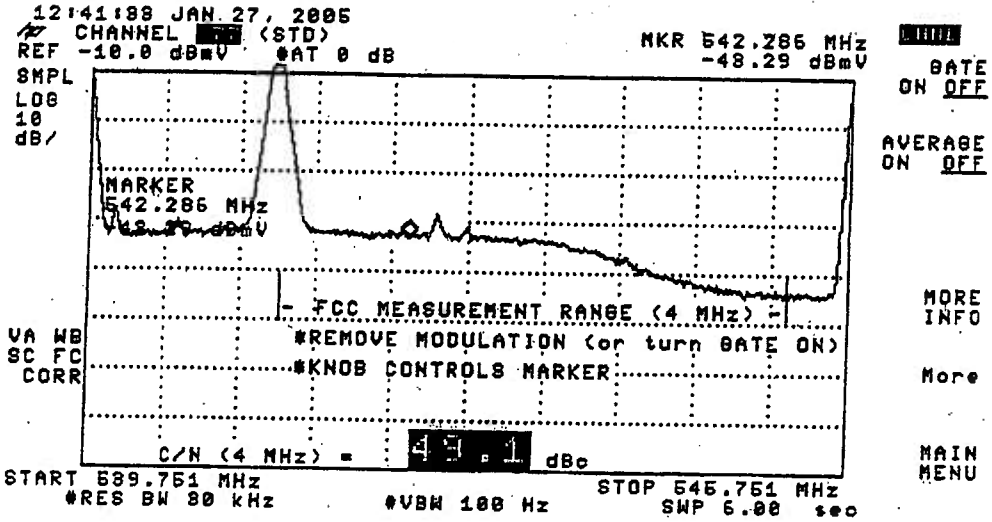

11:06:46 JAN 27, 2005
CHANNEL (STD)
REF .3 dBmV
#AT 0 dB
MKR 289.845 MHz
-5.92 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 288.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 294.000 MHz
SWP 20.0 msec

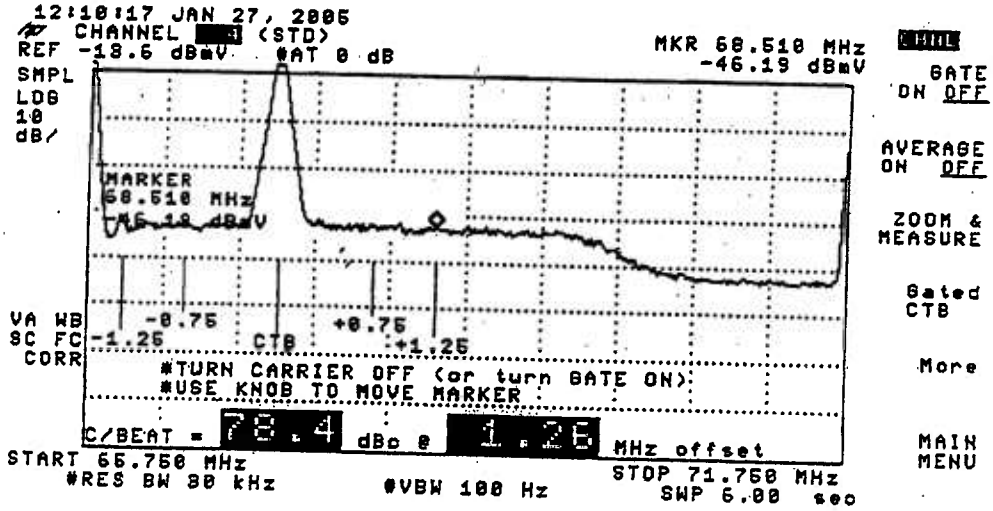

11:09:36 JAN 27, 2005
CHANNEL (STD)
REF .5 dBmV
#AT 0 dB
MKR 338.115 MHz
-5.67 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
START 336.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 342.000 MHz
SWP 20.0 msec

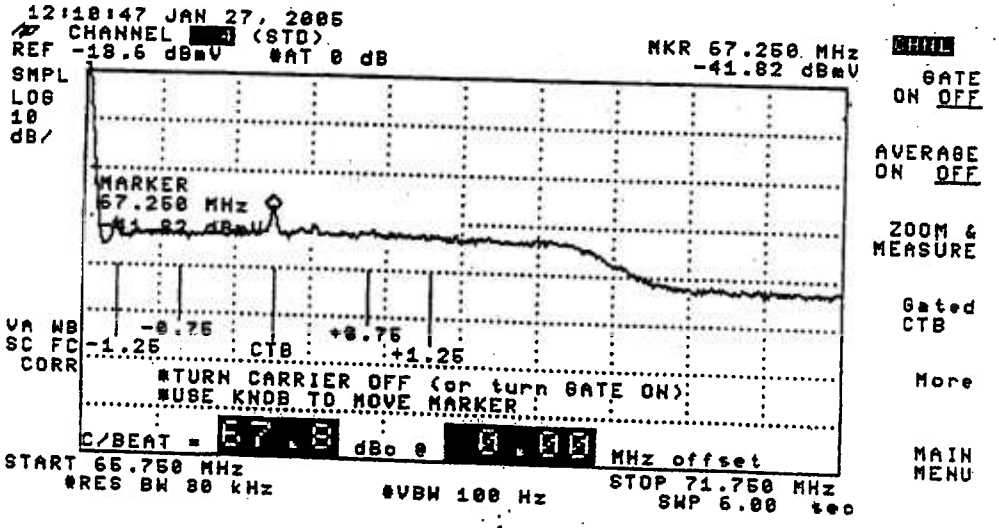

11:42:37 JAN 27, 2005
CHANNEL (STD)
REF .2 dBmV
#AT 0 dB
MKR 874.285 MHz
-5.00 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.6 dB
MAIN
MENU
START 872.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 878.000 MHz
SWP 20.0 msec

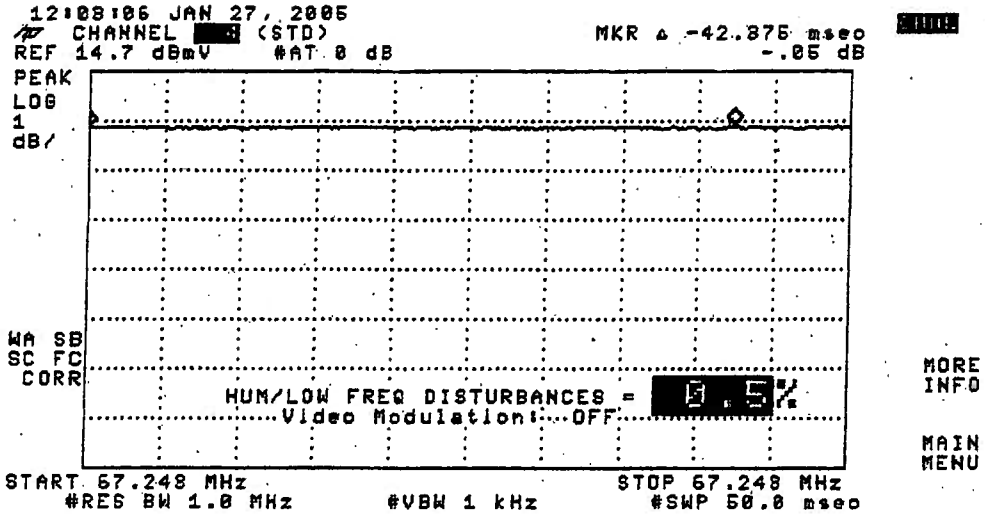

11:45:05 JAN 27, 2005
CHANNEL (STD)
REF -8.0 dBmV
#AT 0 dB
MKR 439.875 MHz
-9.25 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.6 dB
MAIN
MENU
START 438.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 444.000 MHz
SWP 20.0 msec


11:47:03 JAN 27, 2005
CHANNEL (STD)
REF -.2 dBmV
#AT 0 dB
MKR 542.585 MHz
-5.30 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 = ± 0.6 dB
MAIN
MENU
START 540.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 546.000 MHz
SWP 20.0 msec


12:41:38 JAN 27, 2005
CHANNEL (STD)
REF -10.0 dBmV #AT 0 dB
MKR 542.286 MHz
-48.29 dBmV
SMPL
LOG
10
dB/
MARKER
542.286 MHz
- FCC MEASUREMENT RANGE (4 MHz) -
#REMOVE MODULATION (or turn GATE ON)
#KNOB CONTROLS MARKER
VA WB
SC FC
CORR
C/N (4 MHz) = 49.1 dBc
START 539.751 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 545.751 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
MORE
INFO
More
MAIN
MENU


12:10:17 JAN 27, 2005
CHANNEL (STD)
REF -18.6 dBmV #AT 0 dB
MKR 68.510 MHz
-46.19 dBmV
SMPL
LOG
10
dB/
MARKER
68.510 MHz
-0.75
-1.25
CTB
+0.75
+1.25
VA WB
SC FC
CORR
#TURN CARRIER OFF (or turn GATE ON)
#USE KNOB TO MOVE MARKER
C/BEAT = 78.4 dBc @ 1.26 MHz offset
START 65.750 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 71.750 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
Gated
CTB
More
MAIN
MENU


12:18:47 JAN 27, 2005
CHANNEL (STD)
REF -18.6 dBmV #AT 0 dB
MKR 67.250 MHz
-41.82 dBmV
SMPL
LOG
10
dB/
MARKER
67.250 MHz
-0.75
-1.25
CTB
+0.75
+1.25
VA WB
SC FC
CORR
#TURN CARRIER OFF (or turn GATE ON)
#USE KNOB TO MOVE MARKER
C/BEAT = 67.8 dBc @ 0.00 MHz offset
START 65.750 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 71.750 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
Gated
CTB
More
MAIN
MENU


12:08:06 JAN 27, 2005
CHANNEL [redacted] (STD)
REF 14.7 dBmV
#AT 0 dB
MKR Δ -42.875 msec
-.05 dB
PEAK
LOG
1
dB/
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = [redacted]%
Video Modulation: OFF
MORE
INFO
MAIN
MENU
START 67.248 MHz
#RES BW 1.0 MHz
#VBW 1 kHz
STOP 67.248 MHz
#SWP 50.0 msec

TESTPOINT 10, PAGE 5

TIME WARNER CABLE - SYRACUSE DIVISION

VISUAL CARRIER LEVEL VARIATION TEST

System Name	: Syracuse	**Test Location**	: 8850 East Mudlake Road / Baldwinsville
Date	: 01/13/2005	**Performed By**	: Paul Loran
Meter Serial Number	: 221998		

		TEMP F							TEMP F				
		51.00	56.00	64.00	36.00				51.00	56.00	64.00	36.00	
		TIME							TIME				
		09:20:00	15:29:00	21:28:00	03:28:00				09:20:00	15:29:00	21:28:00	03:28:00	
CHAN	FREQ (MHZ)	VISUAL LEVEL (DBMV)				MAX VAR	CHAN	FREQ (MHZ)	VISUAL LEVEL (DBMV)				MAX VAR
2	55.2500	12.30	12.20	11.60	12.20	0.7	DD (40)	319.2625	15.800	15.300	14.700	16.100	1.4
3	61.2500	13.50	13.50	12.90	13.30	0.6	EE (41)	325.2625	15.700	15.300	14.700	16.200	1.5
4	67.2500	13.60	13.60	13.00	13.60	0.6	FF (42)	331.2750	16.300	15.900	15.400	17.000	1.6
5	77.2500	13.20	13.10	12.50	13.00	0.7	GG (43)	337.2625	15.500	15.000	14.500	16.000	1.5
6	83.2500	13.40	13.40	12.80	13.40	0.6	HH (44)	343.2625	15.700	15.200	14.800	16.300	1.5
A-5 (95)	91.2500						II (45)	349.2625	15.300	14.700	14.300	15.900	1.6
[redacted]	97.2500						JJ (46)	355.2625	15.200	14.600	14.200	15.900	1.7
[redacted]	103.2500						KK (47)	361.2625	14.300	13.800	13.400	15.100	1.7
[redacted]	109.2750	14.50	14.00	13.10	14.40	1.4	LL (48)	367.2625	13.900	13.400	12.900	14.700	1.8
A-1 (99)	115.2750	12.10	11.60	11.20	11.90	0.9	MM (49)	373.2625	13.700	13.200	12.700	14.500	1.8
A (14)	121.2625	13.10	12.90	12.50	12.60	0.6	NN (50)	379.2625	13.100	12.500	12.200	13.900	1.7
B (15)	127.2625	12.90	12.80	12.80	12.90	0.1	OO (51)	385.2625	11.900	11.500	11.000	12.800	1.8
C (16)	133.2625	12.50	12.40	12.90	13.30	0.9	PP (52)	391.2625	11.600	11.300	10.600	12.600	2
D (17)	139.2500	13.20	13.00	12.90	13.50	0.6	QQ (53)	397.2625	12.200	11.700	11.000	13.000	2
E (18)	145.2600	13.50	13.30	13.00	13.80	0.8	RR (54)	403.2500	11.800	11.500	10.700	12.700	2
F (19)	151.3210	15.50	13.40	13.00	13.60	0.6	SS (55)	409.2500	11.900	11.700	10.900	12.800	1.9
G (20)	157.2500	13.10	13.00	12.50	13.20	0.7	TT (56)	415.2500	11.100	10.800	10.000	12.000	2
H (21)	163.2500	13.90	13.70	13.30	14.00	0.7	UU (57)	421.2500	10.800	10.500	9.900	11.700	1.8
I (22)	169.2500	13.60	13.40	13.10	13.60	0.5	VV (58)	427.2500	11.100	11.000	10.400	12.100	1.7
7	175.2500	13.90	13.90	13.40	14.00	0.6	WW (59)	433.2500	11.100	10.900	10.300	12.000	1.7
8	181.2500	14.10	13.80	13.40	14.20	0.8	XX (60)	439.2500	11.000	10.800	10.300	11.800	1.5
9	187.2500	13.60	13.60	13.00	13.90	0.9	YY (61)	445.2500	11.200	11.100	10.600	12.100	1.5
10	193.2500	13.70	13.60	13.30	13.80	0.5	ZZ (62)	451.2500	11.900	11.700	11.300	12.800	1.5
11	199.2500	13.30	13.10	12.90	13.50	0.6	63	457.2500	11.600	11.400	10.900	12.100	1.2
12	205.2500	13.00	12.80	12.40	13.10	0.7	64	463.2500	11.700	11.700	11.100	12.500	1.4
13	211.2500	13.10	13.00	12.60	13.40	0.8	65	469.2500	11.800	11.700	11.200	12.400	1.2
J (23)	217.2500	12.90	12.70	12.40	13.30	0.9	66	475.2500	12.400	12.300	11.800	12.900	1.1
K (24)	223.2500	11.40	11.20	10.80	11.70	0.9	67	481.2500	12.600	12.500	11.900	13.200	1.3
[redacted]	229.2625	11.90	11.70	11.40	12.30	0.9	68	487.2500	12.600	12.600	12.100	13.400	1.3
[redacted]	235.2625	12.60	12.70	12.30	13.20	0.9	69	493.2500	13.100	13.000	12.400	13.500	1.1
[redacted]	241.2625	12.40	12.10	11.70	12.80	1.1	70	499.2500	14.000	13.700	13.100	14.500	1.4
O (28)	247.2625	11.40	11.10	10.80	11.70	0.9	71	505.2500	13.900	13.500	13.100	14.200	1.1
P (29)	253.2625	10.90	10.40	10.10	11.10	1	72	511.2500	14.000	13.800	13.300	14.300	1
Q (30)	259.2625	11.60	11.30	10.90	11.90	1	73	517.2500	14.400	14.000	13.600	14.900	1.3
R (31)	265.2625	13.60	13.10	12.80	13.90	1.1	74	523.2500	14.400	14.000	13.600	15.000	1.4
S (32)	271.2625	13.10	12.60	12.20	13.50	1.3	75	529.2500	14.100	13.800	13.400	14.300	0.9
T (33)	277.2625	14.20	13.90	13.50	14.60	1.1	76	535.2500	14.000	13.800	13.400	14.600	1.2
U (34)	283.2625	14.30	13.90	13.50	14.60	1.1	77	541.2500	14.200	13.800	13.300	14.800	1.5
V (35)	289.2625	14.30	13.90	13.50	14.70	1.2	78	547.2500	13.000	12.700	12.200	13.400	1.2
W (36)	295.2625	14.50	14.20	13.70	14.90	1.2	79	553.2500					
AA (37)	301.2625	15.00	14.60	14.10	15.50	1.4	80	559.2500	12.900	12.400	12.100	13.600	1.5
BB (38)	307.2625	14.80	14.50	14.10	15.40	1.3	81	565.2500					
CC (39)	313.2625	15.10	14.90	14.20	15.70	1.5							

Max Non Adjacent Channel Level Diff	:- 5.9
Max Adjacent Channel Level Diff	:- 2.5
Max Variance from last proof of performance test	:- N/A
Date of last proof of performance test	:- N/A

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

TESTPOINT 11, PAGE 1

TIME WARNER CABLE - SYRACUSE DIVISION

System Name	:	Syracuse
System Test Point #	:	11
Hub Name	:	Meridian Hub
Location	:	9247 Fenner Road / Meridian
Map Number	:	260-5750
Pole Number	:	Pole # 83.5/9
D.T. Value	:	20/4
OR Number	:	129
GNA Cascade	:	Node + 4
LE Cscade	:	2

TESTPOINT 11, PAGE 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 : Syracuse **Test Location** : 9247 Fenner Road / Meridian

Date : 01/13/2005 **Time** : 09:49:00

CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)	CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)
2	55.2500	11.60	-2.40		14	DD (40)	319.2625	9.70	-5.10		14.8
3	61.2500	12.00	-3.00		15	EE (41)	325.2625	9.60	-5.10		14.7
4	67.2500	11.90	-3.00		14.9	FF (42)	331.2750	9.60	-4.80		14.4
5	77.2500	11.50	-3.90		15.4	GG (43)	337.2625	9.50	-5.00		14.5
6	83.2500	10.60	-3.70		14.3	HH (44)	343.2625	9.50	-4.70		14.2
A-5 (95)	91.2500	N/A	N/A		N/A	II (45)	349.2625	9.60	-5.50		15.1
A-4 (96)	97.2500	N/A	N/A		N/A	JJ (46)	355.2625	9.80	-5.00		14.8
A-3 (97)	103.2500	N/A	N/A		N/A	KK (47)	361.2625	9.90	-5.00		14.9
A-2 (98)	109.2750	10.40	-4.10		14.5	LL (48)	367.2625	9.50	-5.10		14.6
A-1 (99)	115.2750	10.10	-4.90		15	MM (49)	373.2625	9.80	-5.20		15
A (14)	121.2625	9.60	-5.00		14.6	NN (50)	379.2625	9.60	-4.70		14.3
B (15)	127.2625	9.30	-4.70		14	OO (51)	385.2625	9.70	-4.90		14.6
C (16)	133.2625	9.70	-4.60		14.3	PP (52)	391.2625	9.70	-4.50		14.2
D (17)	139.2500	9.20	-4.90		14.1	QQ (53)	397.2625	9.60	-5.10		14.7
E (18)	145.2500	9.50	-5.60		15.1	RR (54)	403.2500	9.70	-4.90		14.6
F (19)	151.2210	9.30	-4.80		14.1	SS (55)	409.2500	9.80	-5.30		15.1
G (20)	157.2500	8.80	-5.70		14.5	TT (56)	415.2500	9.20	-6.00		15.2
H (21)	163.2500	9.20	-5.80		14.7	UU (57)	421.2500	8.70	-5.50		14.2
I (22)	169.2500	9.80	-3.50		13.3	VV (58)	427.2500	9.20	-5.40		14.6
7	175.2500	11.20	-3.30		14.5	WW (59)	433.2500	8.50	-6.40		14.9
8	181.2500	10.60	-4.10		14.7	XX (60)	439.2500	8.30	-5.90		14.2
9	187.2500	9.90	-5.10		15	YY (61)	445.2500	8.80	-5.70		14.5
10	193.2500	10.20	-4.70		14.9	ZZ (62)	451.2500	9.10	-5.00		14.1
11	199.2500	9.90	-4.60		14.5	63	457.2500	9.40	-4.60		14
12	205.2500	9.70	-5.60		15.3	64	463.2500	9.80	-4.40		14.2
13	211.2500	9.40	-6.10		15.5	65	469.2500	10.20	-4.30		14.5
J (23)	217.2500	9.10	-5.40		14.5	66	475.2500	10.50	-3.70		14.2
K (24)	223.2500	9.00	-5.30		14.3	67	481.2500	11.00	-3.80		14.8
L (25)	229.2625	9.40	-6.10		15.5	68	487.2500	11.40	-2.90		14.3
M (26)	235.2625	8.00	-6.50		14.5	69	493.2500	11.80	-2.50		14.3
N (27)	241.2625	8.20	-5.80		14	70	499.2500	12.40	-1.80		14.2
O (28)	247.2625	8.40	-5.50		13.9	71	505.2500	12.70	-1.50		14.2
P (29)	253.2625	8.60	-5.40		14	72	511.2500	13.20	-1.30		14.5
Q (30)	259.2625	9.20	-4.80		14	73	517.2500	13.10	-1.10		14.2
R (31)	265.2625	9.40	-5.00		14.4	74	523.2500	13.50	-1.30		14.8
S (32)	271.2625	9.60	-3.10		12.7	75	529.2500	13.80	-0.50		14.3
T (33)	277.2625	10.30	-5.90		16.2	76	535.2500	13.80	-0.10		13.9
U (34)	283.2625	8.40	-6.30		14.7	77	541.2500	14.50	0.10		14.4
V (35)	289.2625	8.50	-6.50		15	78	547.2500	14.30	-0.30		14.6
W (36)	295.2625	9.10	-5.30		14.4	79	553.2500	N/A	N/A		N/A
AA (37)	301.2625	9.50	-4.50		14	80	559.2500	14.80	0.30		14.5
BB (38)	307.2625	9.70	-4.50		14.2	81	565.2500	N/A	N/A		N/A
CC (39)	313.2625	9.30	-4.50		13.8						

Min Channel	:	M(26)	8.000
Max Channel	:	80	14.800
Peak to Valley	:	6.8	

TESTPOINT 11, PAGE 3

TIME WARNER CABLE - SYRACUSE DIVISION

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

System Name : Syracuse

Date : 1/26/2005

Performed By : Pat Thrall

[illegible]tion : 9247 Fenner Road / Meridian

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

CHANNEL NUMBER	IN CHANNEL RESPONSE	CARRIER TO NOISE RATIO	DISTORTIONS	CSO	HUM
	(+/- DB)	(DB)	(-DBC) CTB		(%)
4	0.6	48.4	67.1	78.2	0.5
14	0.3	47.5	63.8	71.1	
20	0.3	48.0	66.2	78.1	
13	0.3	48.4	64.1	70.5	
35	0.2	48.7	63.9	70.6	
43	0.5	48.7	65.1	69.0	
49	0.3	47.8	63.2	69.8	
60	0.2	47.0	61.0	66.4	
77	0.3	49.0	66.8	69.5	

TIME WARNER CABLE - SYRACUSE DIVISION

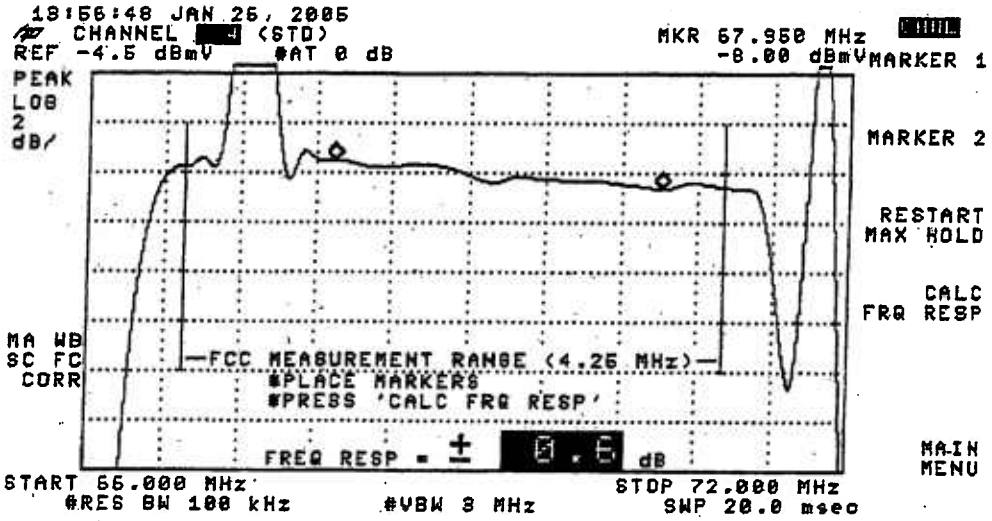
IN CHANNEL FREQUENCY RESPONSE TEST (76.605) (a) (6)

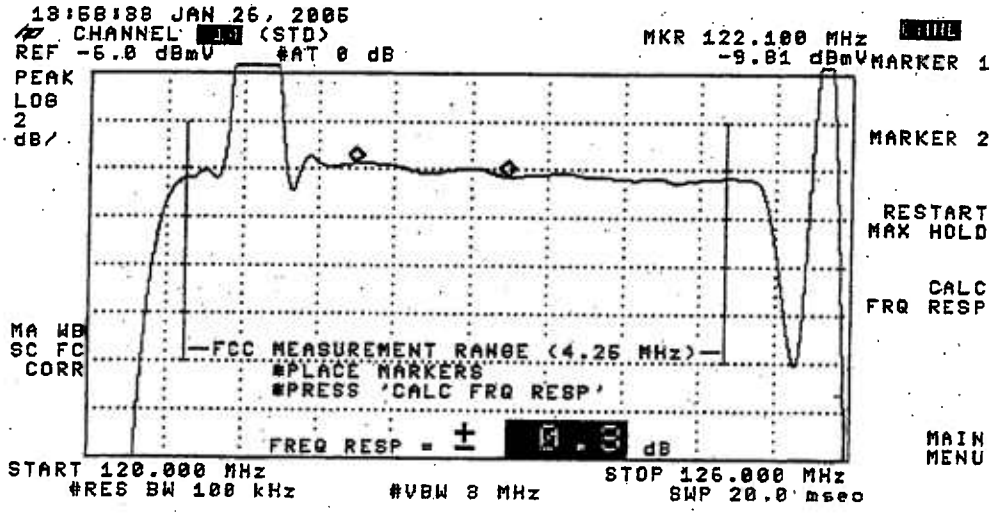
System Name : Syracuse ***Date*** : 1/26/2005

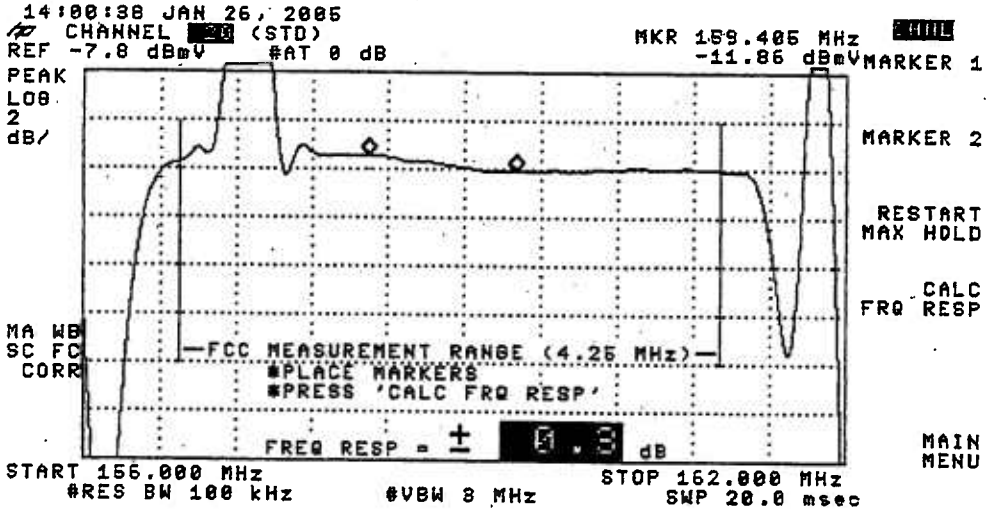
Performed By : P.Thrall

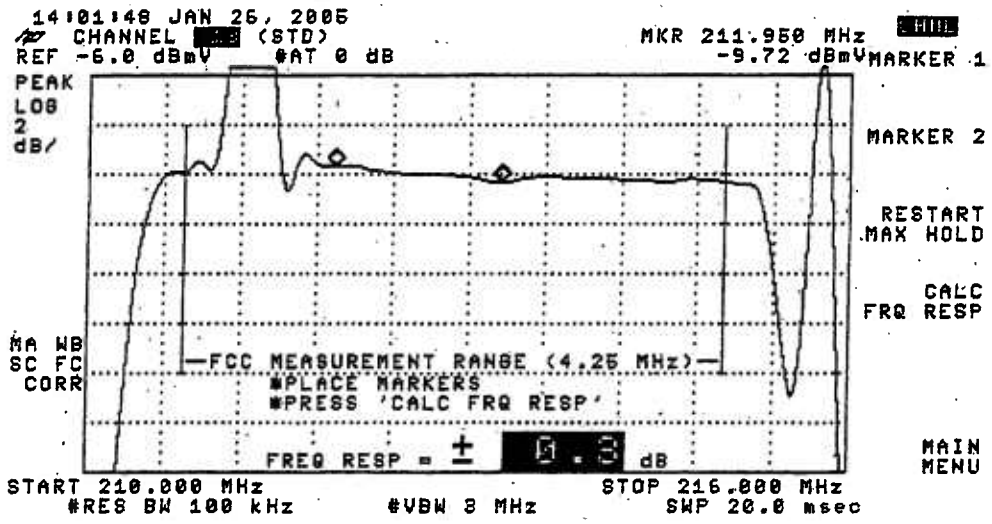
Location : 9247 Fenner Road / Meridian

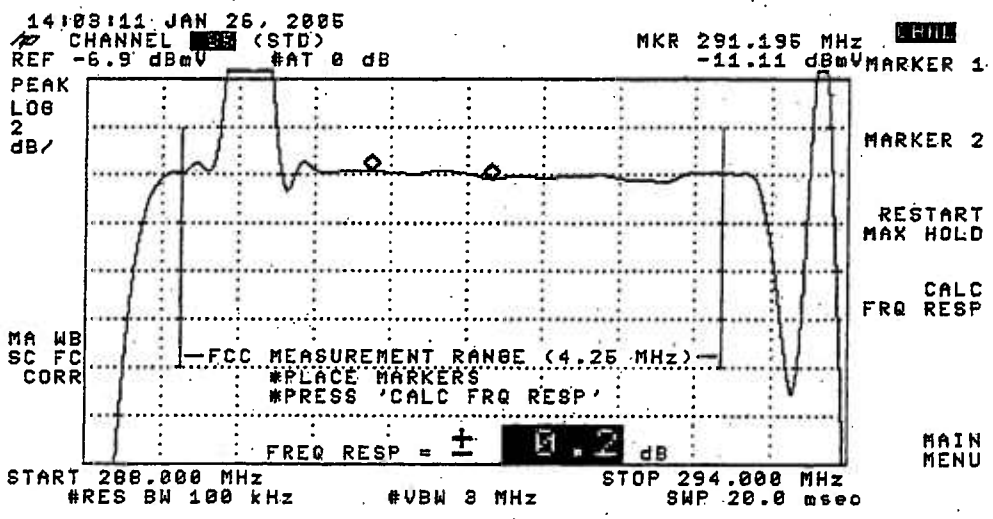
(SEE THE ATTACHED SWEEP TRACES)

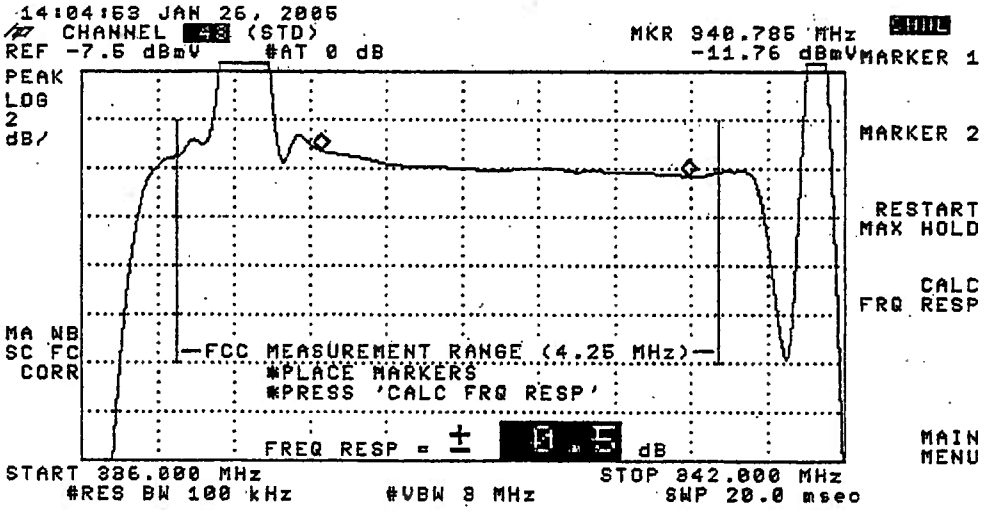

13:56:48 JAN 26, 2005
CHANNEL (STD)
REF -4.5 dBmV
#AT 0 dB
MKR 67.950 MHz
-8.00 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.6 dB
MAIN
MENU
START 55.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 72.000 MHz
SWP 20.0 msec

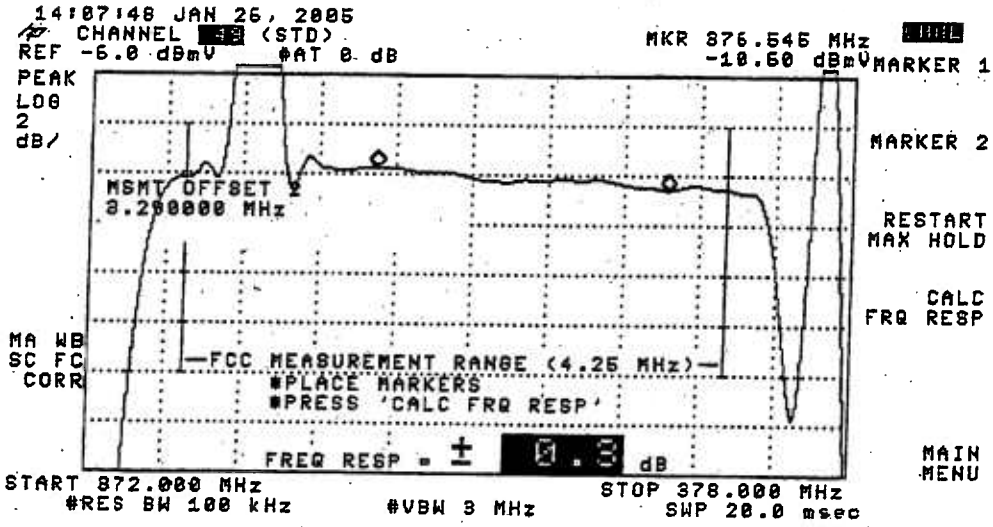

13:58:38 JAN 26, 2005
CHANNEL (STD)
REF -5.0 dBmV
#AT 0 dB
MKR 122.100 MHz
-9.81 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 120.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 125.000 MHz
SWP 20.0 msec

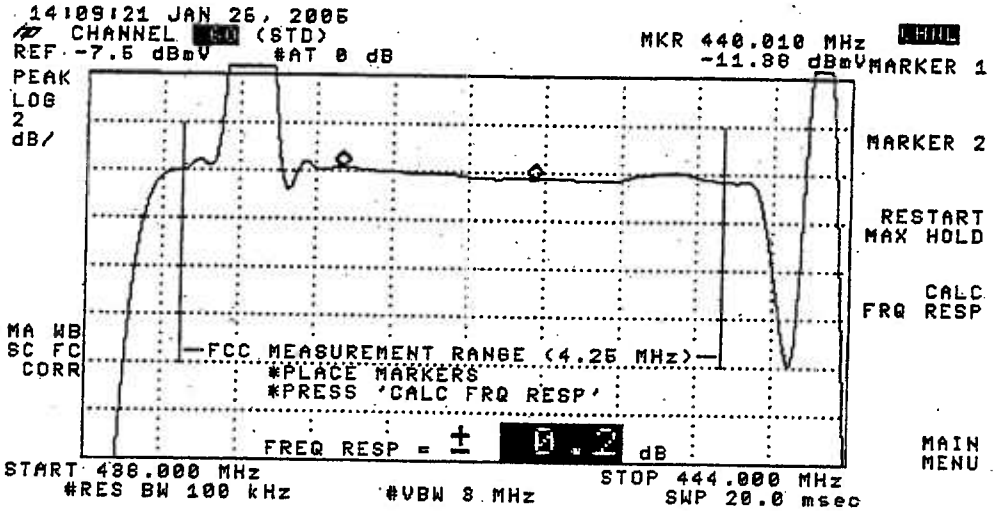

14:00:38 JAN 26, 2005
CHANNEL (STD)
REF -7.8 dBmV
#AT 0 dB
MKR 159.405 MHz
-11.86 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 156.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 162.000 MHz
SWP 20.0 msec

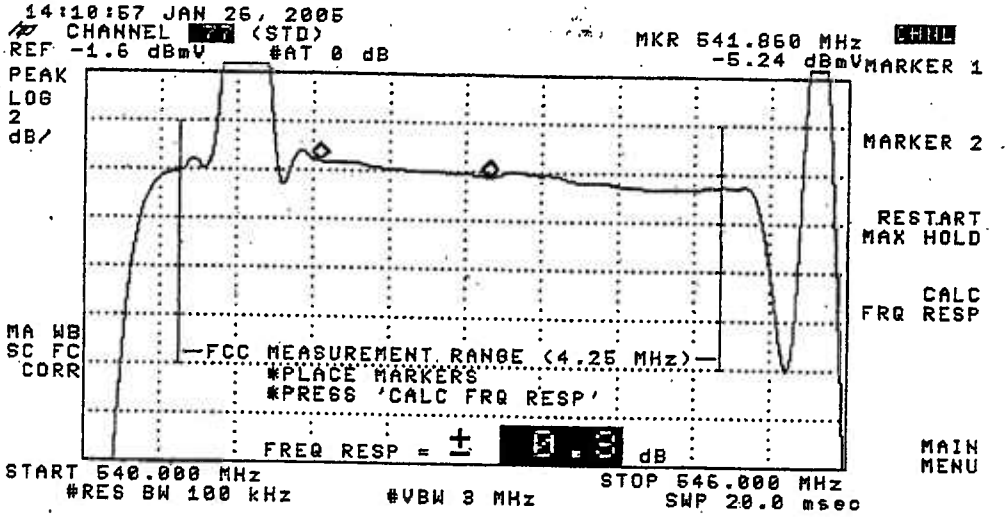

14:01:48 JAN 26, 2005
CHANNEL (STD)
REF -6.0 dBmV
#AT 0 dB
MKR 211.950 MHz
-9.72 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 210.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 216.000 MHz
SWP 20.0 msec

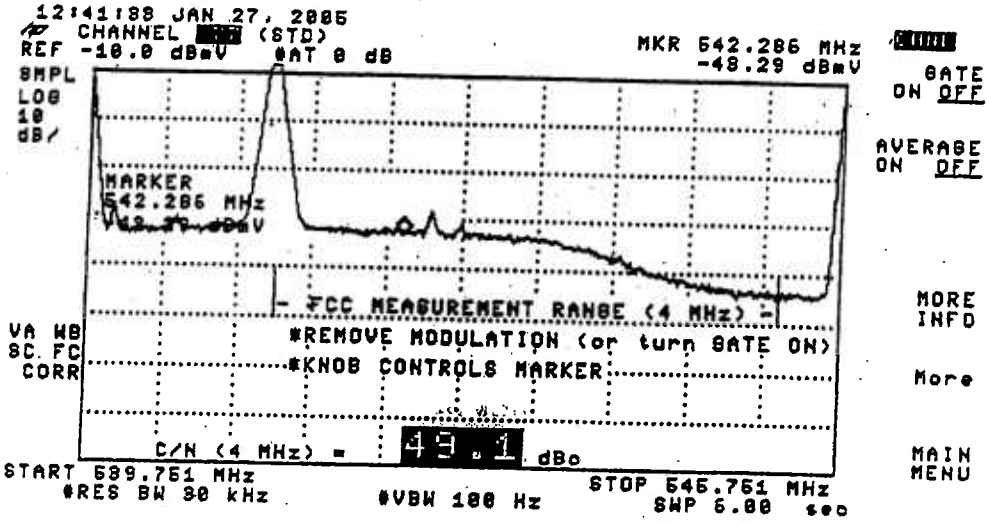

14:03:11 JAN 26, 2005
CHANNEL (STD)
REF -6.9 dBmV
#AT 0 dB
MKR 291.195 MHz
-11.11 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 288.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 294.000 MHz
SWP 20.0 msec

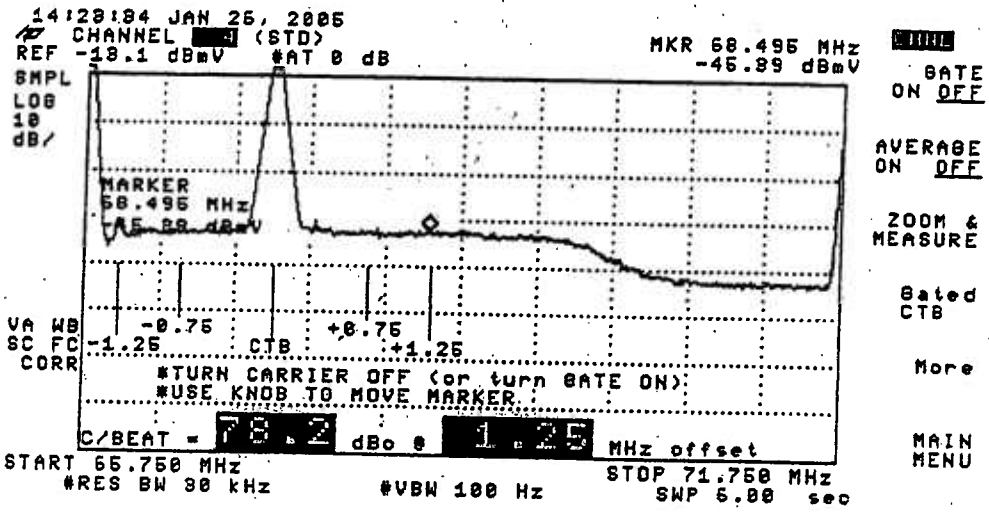

14:04:53 JAN 26, 2005
CHANNEL (STD)
REF -7.5 dBmV
#AT 0 dB
MKR 940.785 MHz
-11.76 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
START 836.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 842.000 MHz
SWP 20.0 msec

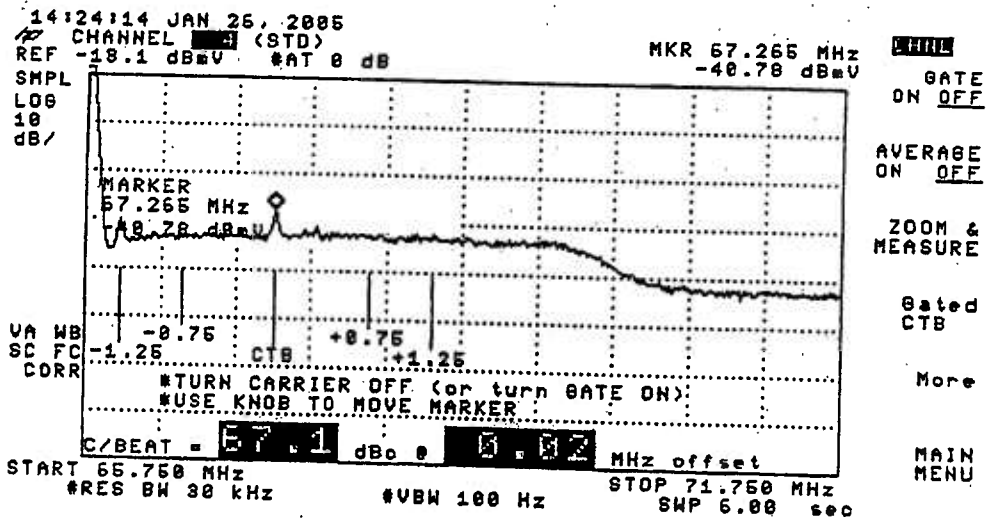

14:07:48 JAN 26, 2005
CHANNEL (STD)
REF -6.0 dBmV
#AT 0 dB
MKR 876.545 MHz
-10.60 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
MSMT OFFSET
3.200000 MHz
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 872.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 878.000 MHz
SWP 20.0 msec

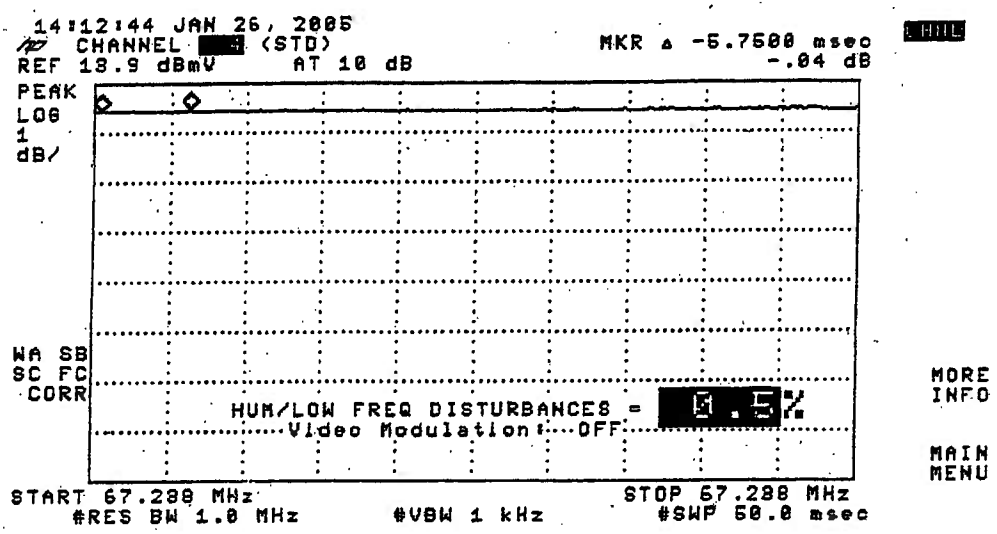

14:09:21 JAN 26, 2005
CHANNEL (STD)
REF -7.5 dBmV
#AT 0 dB
MKR 440.010 MHz
-11.38 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 436.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 444.000 MHz
SWP 20.0 msec


14:10:57 JAN 26, 2005
CHANNEL (STD)
REF -1.6 dBmV
#AT 0 dB
MKR 541.860 MHz
-5.24 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 540.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 546.000 MHz
SWP 20.0 msec


12:41:38 JAN 27, 2005
CHANNEL (STD)
REF -10.0 dBmV #AT 0 dB
MKR 542.286 MHz
-48.29 dBmV
SMPL
LOG
10
dB/
MARKER
542.286 MHz
- FCC MEASUREMENT RANGE (4 MHz) -
VA WB
SC FC
CORR
*REMOVE MODULATION (or turn GATE ON)
*KNOB CONTROLS MARKER
C/N (4 MHz) = 49.1 dBc
START 539.751 MHz
*RES BW 30 kHz
*VBW 100 Hz
STOP 545.751 MHz
SWP 5.00 sec
GATE
ON OFF
AVERAGE
ON OFF
MORE
INFO
More
MAIN
MENU


14:28:34 JAN 26, 2005
CHANNEL (STD)
REF -18.1 dBmV #AT 0 dB
MKR 68.495 MHz
-45.89 dBmV
SMPL
LOG
10
dB/
MARKER
68.495 MHz
VA WB
SC FC
CORR
-0.75
-1.25
CTB
+0.75
+1.25
*TURN CARRIER OFF (or turn GATE ON)
*USE KNOB TO MOVE MARKER
C/BEAT = 78.2 dBc @ 1.25 MHz offset
START 65.750 MHz
*RES BW 30 kHz
*VBW 100 Hz
STOP 71.750 MHz
SWP 5.00 sec
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
Gated
CTB
More
MAIN
MENU


14:24:14 JAN 26, 2005
CHANNEL (STD)
REF -18.1 dBmV #AT 0 dB
MKR 67.265 MHz
-40.78 dBmV
SMPL
LOG
10
dB/
MARKER
67.265 MHz
VA WB
SC FC
CORR
-0.75
-1.25
CTB
+0.75
+1.25
*TURN CARRIER OFF (or turn GATE ON)
*USE KNOB TO MOVE MARKER
C/BEAT = 67.1 dBc @ 0.02 MHz offset
START 65.750 MHz
*RES BW 30 kHz
*VBW 100 Hz
STOP 71.750 MHz
SWP 5.00 sec
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
Gated
CTB
More
MAIN
MENU


14:12:44 JAN 26, 2005
CHANNEL [redacted] (STD)
REF 13.9 dBmV
AT 10 dB
MKR Δ -5.7500 msec
-.04 dB
PEAK
LOG
1
dB/
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = 0.5%
Video Modulation: OFF
MORE
INFO
MAIN
MENU
START 67.288 MHz
#RES BW 1.0 MHz
#VBW 1 kHz
STOP 67.288 MHz
#SWP 50.0 msec

TESTPOINT 11, PAGE 5

TIME WARNER CABLE - SYRACUSE DIVISION

VISUAL CARRIER LEVEL VARIATION TEST

System Name	: Syracuse	**Test Location**	: 9247 Fenner Road / Meridian
Date	: 01/13/2005	**Performed By**	: Paul Loran
Meter Serial Number	: 221998		

		TEMP F							TEMP F				
		53.00	56.00	64.00	33.00				53.00	56.00	64.00	33.00	
		TIME							TIME				
		09:49:00	15:59:00	21:56:00	03:58:00				09:49:00	15:59:00	21:56:00	03:58:00	
CHAN	FREQ (MHZ)	VISUAL LEVEL (DBMV)				MAX VAR	CHAN	FREQ (MHZ)	VISUAL LEVEL (DBMV)				MAX VAR
2	55.2500	11.60	11.40	10.70	11.90	1.2	DD (40)	319.2625	9.700	9.200	8.700	10.200	1.5
3	61.2500	12.00	11.70	11.20	12.30	1.1	EE (41)	325.2625	9.600	9.300	9.000	10.400	1.4
4	67.2500	11.90	11.70	11.10	12.20	1.1	FF (42)	331.2750	9.600	9.300	8.900	10.400	1.5
5	77.2500	11.50	11.30	10.80	11.70	0.9	GG (43)	337.2625	9.500	9.100	8.800	10.400	1.6
6	83.2500	10.60	10.50	10.00	10.90	0.9	HH (44)	343.2625	9.500	9.300	8.900	10.300	1.4
A-5 (95)	91.2500						II (45)	349.2625	9.600	9.300	8.900	10.300	1.4
A-4 (96)	97.2500						JJ (46)	355.2625	9.800	9.400	9.100	10.500	1.4
A-3 (97)	103.2500						KK (47)	361.2625	9.900	9.600	9.200	10.600	1.4
[redacted]	109.2750	10.40	10.20	9.70	10.90	1.2	LL (48)	367.2625	9.500	9.500	9.000	10.400	1.4
[redacted]	115.2750	10.10	9.90	9.50	10.70	1.2	MM (49)	373.2625	9.800	9.500	9.100	10.500	1.4
A (14)	121.2625	9.60	9.40	9.00	10.20	1.2	NN (50)	379.2625	9.600	9.500	9.000	10.400	1.4
B (15)	127.2625	9.50	9.30	8.80	10.00	1.2	OO (51)	385.2625	9.700	9.500	9.000	10.700	1.7
C (16)	133.2625	9.70	9.50	9.10	10.30	1.2	PP (52)	391.2625	9.700	9.600	9.100	10.700	1.6
D (17)	139.2500	9.20	9.00	8.60	9.80	1.2	QQ (53)	397.2625	9.600	9.600	9.100	10.600	1.5
E (18)	145.2500	9.50	9.30	9.00	10.10	1.1	RR (54)	403.2500	9.700	9.600	9.100	10.600	1.5
F (19)	151.3210	9.30	9.20	8.70	10.00	1.3	SS (55)	409.2500	9.800	9.600	9.100	10.600	1.5
G (20)	157.2500	8.80	8.90	8.50	9.80	1.3	TT (56)	415.2500	9.200	9.100	8.600	10.100	1.5
H (21)	163.2500	9.20	9.10	8.70	10.10	1.4	UU (57)	421.2500	8.700	8.600	8.000	9.700	1.7
I (22)	169.2500	9.80	9.50	9.00	10.20	1.2	VV (58)	427.2500	9.200	9.100	8.500	10.100	1.6
7	175.2500	11.20	11.20	10.60	12.10	1.5	WW (59)	433.2500	8.500	8.400	7.900	9.400	1.5
8	181.2500	10.60	10.50	10.00	11.60	1.6	XX (60)	439.2500	8.300	8.100	7.600	9.300	1.7
9	187.2500	9.90	9.90	9.40	10.90	1.5	YY (61)	445.2500	8.800	8.700	8.200	9.800	1.6
10	193.2500	10.20	10.10	9.50	10.90	1.4	ZZ (62)	451.2500	9.100	8.900	8.300	10.000	1.7
11	199.2500	9.90	9.70	9.40	10.60	1.2	63	457.2500	9.400	9.100	8.700	10.300	1.6
12	205.2500	9.70	9.60	9.10	10.60	1.5	64	463.2500	9.800	9.800	9.200	10.900	1.7
13	211.2500	9.40	9.20	8.70	10.10	1.4	65	469.2500	10.200	10.100	9.500	11.200	1.7
J (23)	217.2500	9.10	8.90	8.40	9.70	1.3	66	475.2500	10.500	10.400	9.900	11.600	1.7
K (24)	223.2500	9.00	8.70	8.30	9.50	1.2	67	481.2500	11.000	10.900	10.400	12.100	1.7
L (25)	229.2625	9.40	9.20	8.70	10.00	1.3	68	487.2500	11.400	11.300	10.900	12.400	1.5
M (26)	235.2625	8.00	8.10	7.60	9.80	2.2	69	493.2500	11.800	11.500	11.100	12.700	1.6
[redacted]	241.2625	8.20	8.20	7.70	8.60	0.9	70	499.2500	12.400	12.300	11.800	13.500	1.7
[redacted]	247.2625	8.40	8.30	7.90	9.10	1.2	71	505.2500	12.700	12.400	12.000	13.600	1.6
P (29)	253.2625	8.60	8.40	8.10	9.30	1.2	72	511.2500	13.200	13.000	12.600	14.200	1.6
Q (30)	259.2625	9.20	9.10	8.70	10.00	1.3	73	517.2500	13.100	13.000	12.500	14.200	1.7
R (31)	265.2625	9.40	9.30	8.80	10.20	1.4	74	523.2500	13.500	13.300	12.800	14.700	1.9
S (32)	271.2625	9.60	9.40	8.90	10.20	1.3	75	529.2500	13.800	13.500	13.000	14.800	1.8
T (33)	277.2625	10.30	9.90	9.50	11.30	1.8	76	535.2500	13.800	13.600	13.100	14.800	1.7
U (34)	283.2625	8.40	8.10	7.70	9.10	1.4	77	541.2500	14.500	14.300	13.700	15.400	1.7
V (35)	289.2625	8.50	8.30	7.90	9.20	1.3	78	547.2500	14.300	14.100	13.600	15.100	1.5
W (36)	295.2625	9.10	8.90	8.50	9.70	1.2	79	553.2500					
AA (37)	301.2625	9.50	9.20	8.90	10.10	1.2	80	559.2500	14.800	14.500	14.100	15.600	1.5
BB (38)	307.2625	9.70	9.50	9.10	10.80	1.7	81	565.2500					
CC (39)	313.2625	9.30	9.00	8.70	10.20	1.5							

Max Non Adjacent Channel Level Diff	:- 7
Max Adjacent Channel Level Diff	:- 2.2
Max Variance from last proof of performance test	:- N/A
Date of last proof of performance test	:- N/A

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

TESTPOINT 12, PAGE 1

TIME WARNER CABLE - SYRACUSE DIVISION

System Name	:	Syracuse
System Test Point #	:	12
Hub Name	:	Meridian Hub
Location	:	1902 Rabbit Lane / Meridian
Map Number	:	272-5702
Pole Number	:	Pole # 14
D.T. Value	:	17/4
OR Number	:	128
GNA Cascade	:	Node + 3
LE Cscade	:	2

TESTPOINT 12, PAGE 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	: Syracuse	***Test Location***	: 1902 Rabbit Lane / Meridian
Date	: 01/13/2005	***Time***	: 10:25:00

CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)	CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)
2	55.2500	13.70	-0.40		14.1	DD (40)	319.2625	11.00	-3.50		14.5
3	61.2500	13.90	-0.70		14.6	EE (41)	325.2625	10.90	-3.60		14.5
4	67.2500	14.20	-0.80		15	FF (42)	331.2750	11.10	-3.30		14.4
5	77.2500	13.70	-1.70		15.4	GG (43)	337.2625	11.00	-3.50		14.5
6	83.2500	13.00	-1.30		14.3	HH (44)	343.2625	10.90	-3.50		14.4
A-5 (95)	91.2500	N/A	N/A		N/A	II (45)	349.2625	10.90	-4.20		15.1
A-4 (96)	97.2500	N/A	N/A		N/A	JJ (46)	355.2625	10.80	-4.10		14.9
A-3 (97)	103.2500	N/A	N/A		N/A	KK (47)	361.2625	10.80	-4.20		15
A-2 (98)	109.2750	12.20	-2.40		14.6	LL (48)	367.2625	10.30	-4.50		14.8
[illegible] (99)	115.2750	11.40	-3.50		14.9	MM (49)	373.2625	10.30	-4.60		14.9
[illegible] (14)	121.2625	11.30	-3.10		14.4	NN (50)	379.2625	10.20	-4.30		14.5
B (15)	127.2625	11.20	-3.20		14.4	OO (51)	385.2625	10.00	-4.50		14.5
C (16)	133.2625	11.10	-2.90		14	PP (52)	391.2625	10.10	-4.20		14.3
D (17)	139.2500	11.30	-2.80		14.1	QQ (53)	397.2625	10.00	-4.90		14.9
E (18)	145.2500	11.40	-3.40		14.8	RR (54)	403.2500	10.00	-4.70		14.7
F (19)	151.3210	11.60	-2.40		14	SS (55)	409.2500	9.90	-5.00		14.9
G (20)	157.2500	11.30	-2.80		14.1	TT (56)	415.2500	9.40	-5.50		14.9
H (21)	163.2500	12.00	-2.40		14.4	UU (57)	421.2500	9.20	-5.00		14.2
I (22)	169.2500	12.10	-2.40		14.5	VV (58)	427.2500	9.60	-5.00		14.6
7	175.2500	12.20	-2.10		14.3	WW (59)	433.2500	9.30	-5.50		14.8
8	181.2500	12.10	-2.50		14.6	XX (60)	439.2500	9.00	-5.00		14
9	187.2500	11.50	-3.40		14.9	YY (61)	445.2500	9.50	-5.00		14.5
10	193.2500	11.70	-3.10		14.8	ZZ (62)	451.2500	9.60	-4.50		14.1
11	199.2500	11.70	-2.80		14.5	63	457.2500	9.80	-4.30		14.1
12	205.2500	11.40	-3.50		14.9	64	463.2500	10.30	-4.10		14.4
13	211.2500	11.70	-3.70		15.4	65	469.2500	10.20	-4.20		14.4
J (23)	217.2500	11.50	-3.30		14.8	66	475.2500	10.40	-4.20		14.6
K (24)	223.2500	10.80	-3.70		14.5	67	481.2500	10.60	-4.40		15
L (25)	229.2625	10.90	-3.60		14.5	68	487.2500	10.50	-4.00		14.5
M (26)	235.2625	10.70	-3.90		14.6	69	493.2500	10.90	-3.60		14.5
[illegible] (27)	241.2625	10.60	-4.10		14.7	70	499.2500	11.10	-3.10		14.2
[illegible] (28)	247.2625	10.40	-3.90		14.3	71	505.2500	11.70	-3.30		15
[illegible] (29)	253.2625	10.40	-3.80		14.2	72	511.2500	11.70	-2.90		14.6
Q (30)	259.2625	10.50	-3.10		13.6	73	517.2500	11.60	-2.60		14.2
R (31)	265.2625	10.90	-3.50		14.4	74	523.2500	11.80	-2.70		14.5
S (32)	271.2625	10.90	-2.30		13.2	75	529.2500	12.20	-1.80		14
T (33)	277.2625	12.20	-4.00		16.2	76	535.2500	12.40	-1.70		14.1
U (34)	283.2625	10.20	-4.60		14.8	77	541.2500	12.90	-1.60		14.5
V (35)	289.2625	10.00	-4.60		14.6	78	547.2500	12.70	-2.30		15
W (36)	295.2625	10.70	-3.80		14.5	79	553.2500	N/A	N/A		N/A
AA (37)	301.2625	11.00	-3.30		14.3	80	559.2500	12.80	-1.60		14.4
BB (38)	307.2625	11.20	-2.90		14.1	81	565.2500	N/A	N/A		N/A
CC (39)	313.2625	11.30	-3.00		14.3						

Min Channel	:	XX(60)	9.000
Max Channel	:	4	14.200
Peak to Valley	:	5.2	

TESTPOINT 12, PAGE 3

TIME WARNER CABLE - SYRACUSE DIVISION

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

System Name : Syracuse ***Date*** : 1/26/2005

Performed By : Jeremy Bellinger

tion : 1902 Rabbit Lane / Meridian

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

CHANNEL NUMBER	IN CHANNEL RESPONSE	CARRIER TO NOISE RATIO	DISTORTIONS	CSO	HUM
	(+/- DB)	(DB)	(-DBC) CTB		(%)
4	0.5	49.1	67.0	76.0	0.6
14	0.3	48.2	64.7	74.6	
20	0.3	49.8	66.9	76.1	
13	0.2	48.6	64.7	71.0	
35	0.3	49.1	64.6	70.1	
43	0.4	49.4	63.3	69.9	
49	0.4	49.1	64.8	67.9	
60	0.3	47.7	64.8	65.7	
77	0.5	49.5	67.0	70.0	

TIME WARNER CABLE - SYRACUSE DIVISION

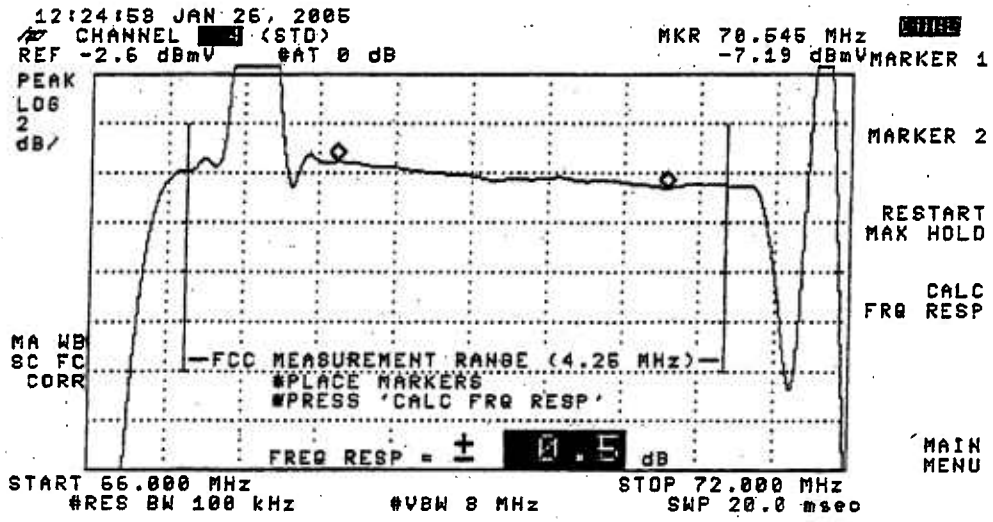
IN CHANNEL FREQUENCY RESPONSE TEST
(76.605) (a) (6)

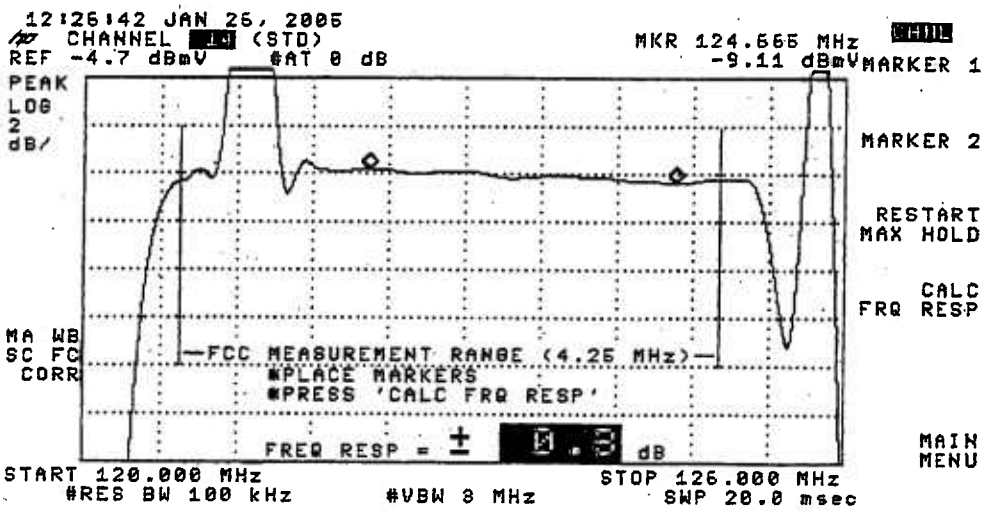
System Name : Syracuse ***Date*** : 01/26/2005

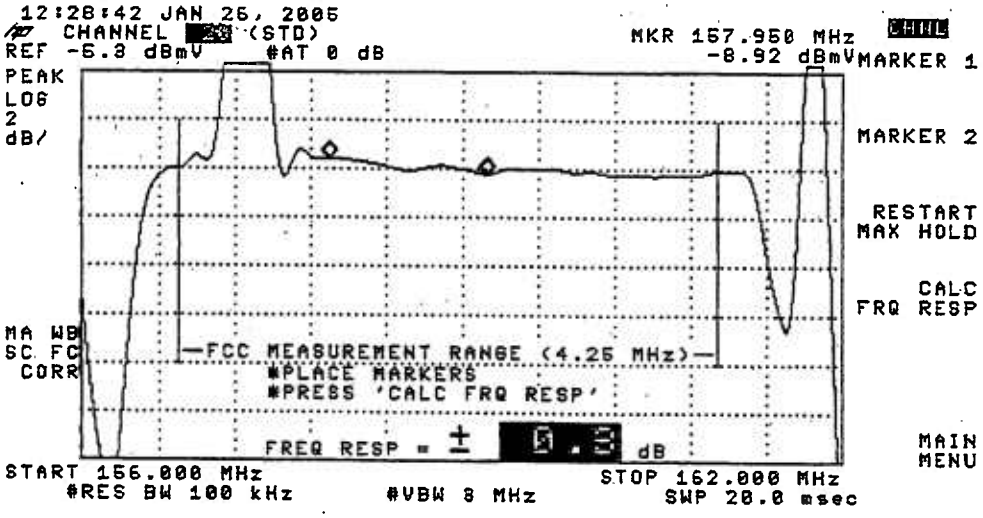
Performed By : Jeremy Bellinger

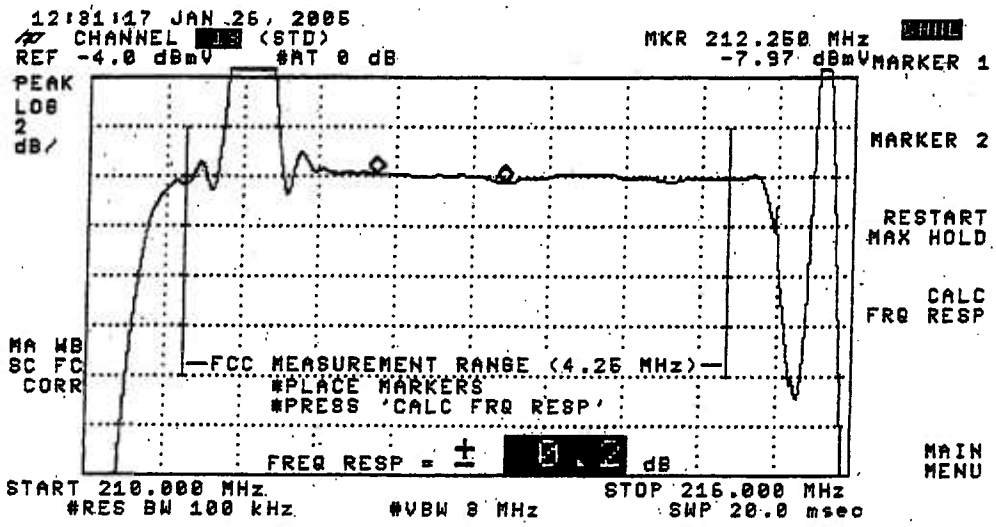
Location : 1902 Rabbit Lane / Meridian

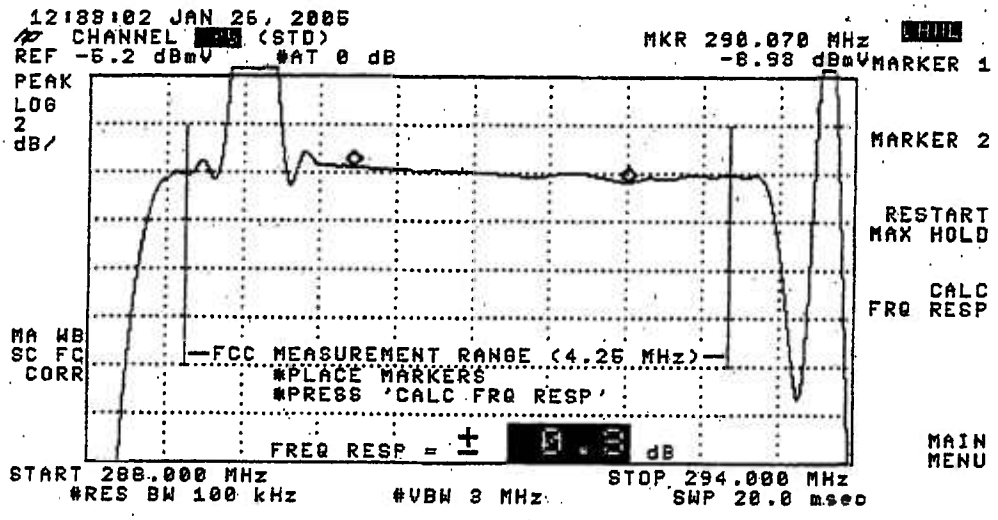
(SEE THE ATTACHED SWEEP TRACES)

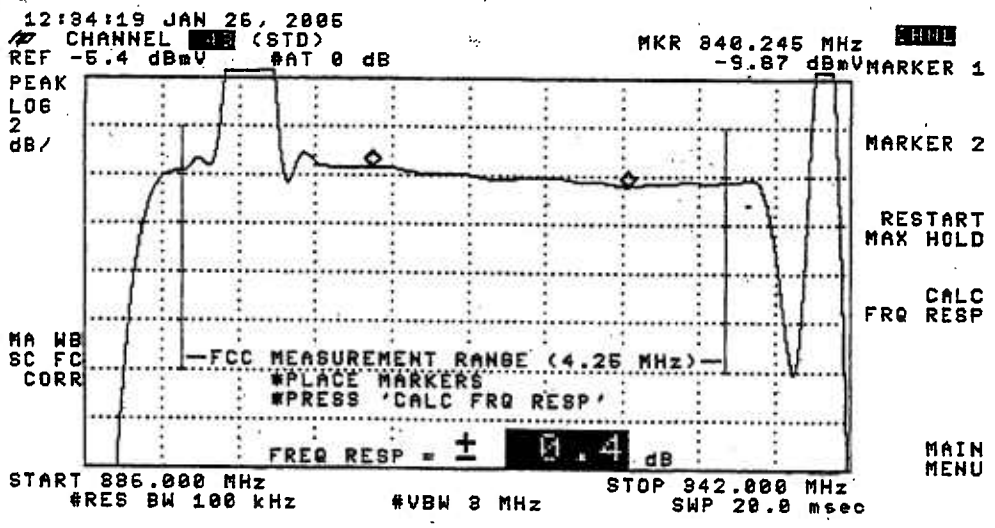

12:24:58 JAN 26, 2005
CHANNEL (STD)
REF -2.6 dBmV
#AT 0 dB
MKR 70.545 MHz
-7.19 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
START 66.000 MHz
#RES BW 100 kHz
#VBW 8 MHz
STOP 72.000 MHz
SWP 20.0 msec

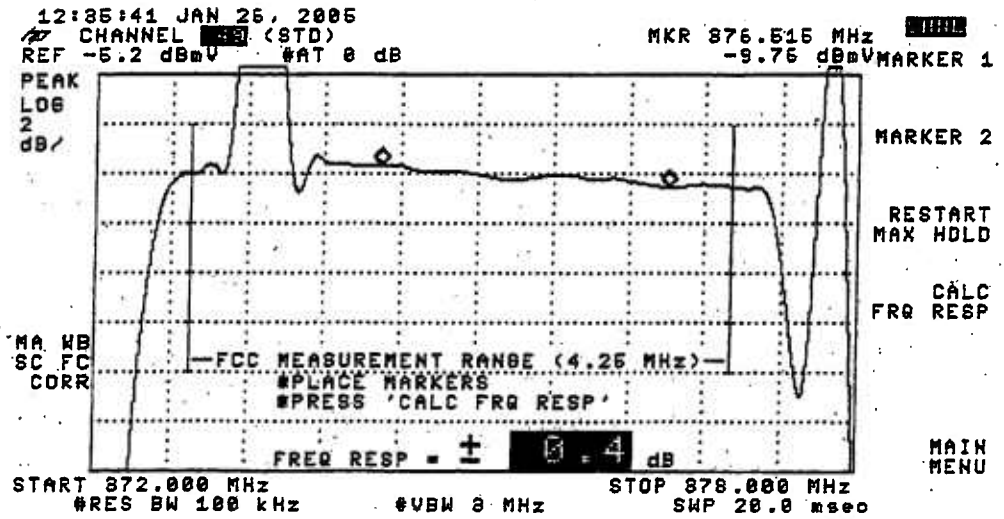

12:26:42 JAN 26, 2005
CHANNEL (STD)
REF -4.7 dBmV
#AT 0 dB
MKR 124.665 MHz
-9.11 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 120.000 MHz
#RES BW 100 kHz
#VBW 8 MHz
STOP 126.000 MHz
SWP 20.0 msec

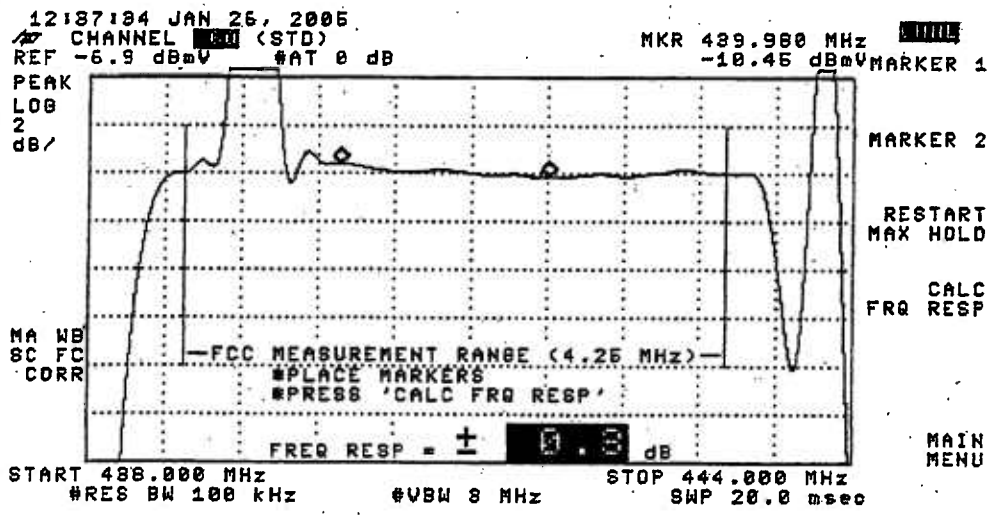

12:28:42 JAN 26, 2005
CHANNEL (STD)
REF -5.3 dBmV
#AT 0 dB
MKR 157.950 MHz
-8.92 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 156.000 MHz
#RES BW 100 kHz
#VBW 8 MHz
STOP 162.000 MHz
SWP 20.0 msec

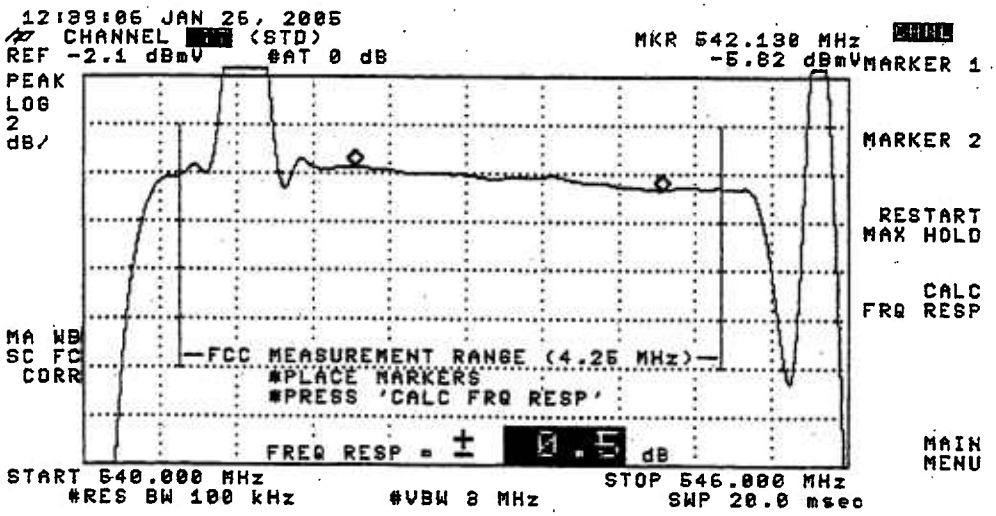

12:31:17 JAN 26, 2005
CHANNEL (STD)
REF -4.0 dBmV
#AT 0 dB
MKR 212.250 MHz
-7.97 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 210.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 216.000 MHz
SWP 20.0 msec

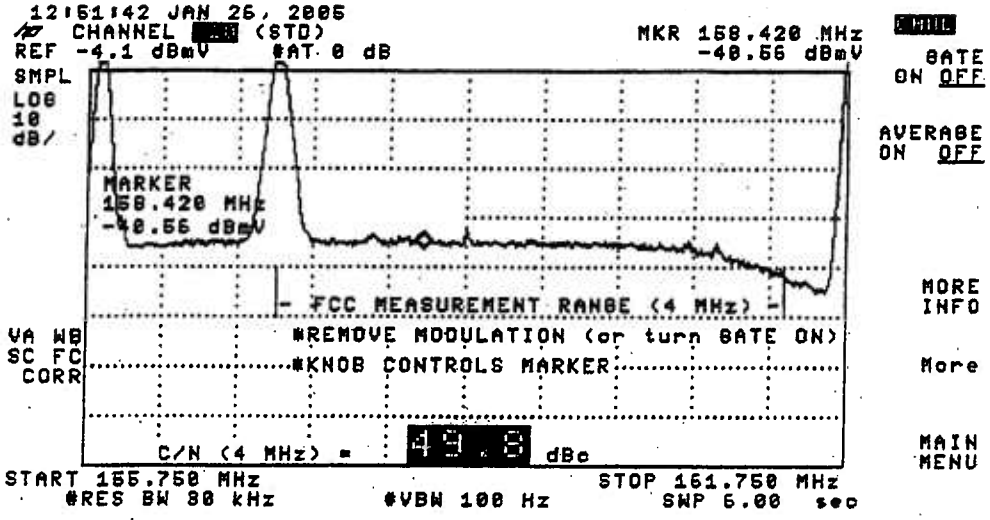

12:38:02 JAN 26, 2005
CHANNEL (STD)
REF -5.2 dBmV
#AT 0 dB
MKR 290.070 MHz
-8.93 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 288.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 294.000 MHz
SWP 20.0 msec

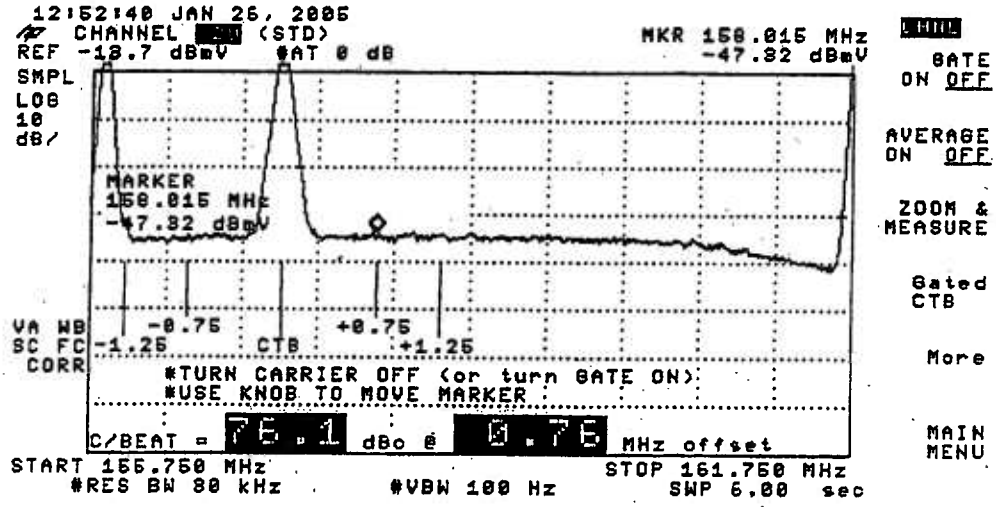

12:34:19 JAN 26, 2005
CHANNEL (STD)
REF -5.4 dBmV
#AT 0 dB
MKR 840.245 MHz
-9.87 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 836.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 842.000 MHz
SWP 20.0 msec

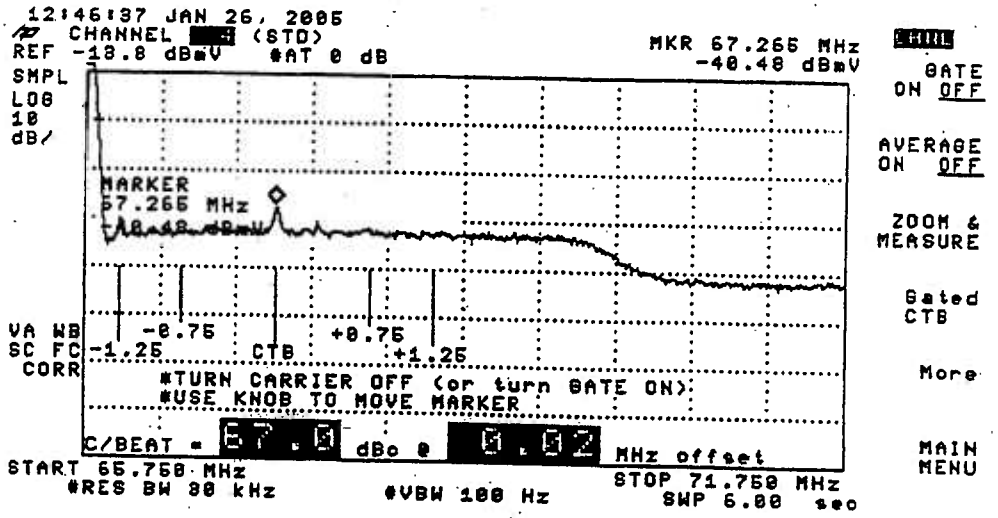

12:35:41 JAN 25, 2005
CHANNEL (STD)
REF -5.2 dBmV
#AT 0 dB
MKR 876.515 MHz
-9.75 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 872.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 878.000 MHz
SWP 20.0 msec

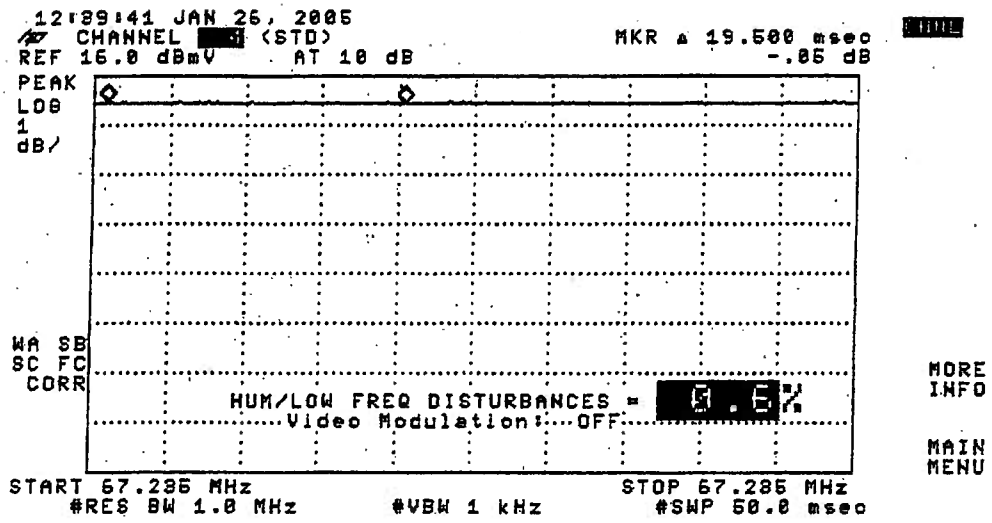

12:37:34 JAN 25, 2005
CHANNEL (STD)
REF -6.9 dBmV
#AT 0 dB
MKR 439.980 MHz
-10.45 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 438.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 444.000 MHz
SWP 20.0 msec


12:39:06 JAN 25, 2005
CHANNEL (STD)
REF -2.1 dBmV
#AT 0 dB
MKR 542.130 MHz
-5.82 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 = ± 0.5 dB
MAIN
MENU
START 540.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 546.000 MHz
SWP 20.0 msec


12:51:42 JAN 26, 2005
CHANNEL (STD)
REF -4.1 dBmV
#AT 0 dB
MKR 158.420 MHz
-40.56 dBmV
SMPL
LOG
10
dB/
MARKER
158.420 MHz
-40.56 dBmV
- FCC MEASUREMENT RANGE (4 MHz) -
VA WB
SC FC
CORR
#REMOVE MODULATION (or turn GATE ON)
#KNOB CONTROLS MARKER
C/N (4 MHz) = 49.8 dBc
START 155.750 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 161.750 MHz
SWP 5.00 sec
GATE
ON OFF
AVERAGE
ON OFF
MORE
INFO
More
MAIN
MENU


12:52:40 JAN 26, 2005
CHANNEL (STD)
REF -13.7 dBmV
#AT 0 dB
MKR 158.015 MHz
-47.32 dBmV
SMPL
LOG
10
dB/
MARKER
158.015 MHz
-47.32 dBmV
-0.75
+0.75
-1.25
CTB
+1.25
VA WB
SC FC
CORR
#TURN CARRIER OFF (or turn GATE ON)
#USE KNOB TO MOVE MARKER
C/BEAT = 76.1 dBc @ 0.76 MHz offset
START 155.750 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 161.750 MHz
SWP 5.00 sec
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
Gated
CTB
More
MAIN
MENU


12:46:37 JAN 26, 2005
CHANNEL (STD)
REF -13.8 dBmV
#AT 0 dB
MKR 67.266 MHz
-40.48 dBmV
SMPL
LOG
10
dB/
MARKER
67.266 MHz
-0.75
+0.75
-1.25
CTB
+1.25
VA WB
SC FC
CORR
#TURN CARRIER OFF (or turn GATE ON)
#USE KNOB TO MOVE MARKER
C/BEAT = 67.0 dBc @ 0.02 MHz offset
START 65.750 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 71.750 MHz
SWP 5.00 sec
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
Gated
CTB
More
MAIN
MENU


12:39:41 JAN 26, 2005
CHANNEL [redacted] (STD)
REF 16.0 dBmV
AT 10 dB
MKR Δ 19.500 msec
-.05 dB
PEAK
LOG
1
dB/
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = [redacted]%
Video Modulation: OFF
MORE INFO
MAIN MENU
START 67.285 MHz
#RES BW 1.0 MHz
#VBW 1 kHz
STOP 67.285 MHz
#SWP 50.0 msec

TESTPOINT 12, PAGE 5

TIME WARNER CABLE - SYRACUSE DIVISION

VISUAL CARRIER LEVEL VARIATION TEST

System Name	: Syracuse	**Test Location**	: 1902 Rabbit Lane / Meridian
Date	: 01/13/2005	**Performed By**	: Paul Loran
Meter Serial Number	: 221998		

		TEMP F							TEMP F				
		54.00	55.00	64.00	33.00				54.00	55.00	64.00	33.00	
		TIME							TIME				
		10:25:00	16:30:00	22:28:00	04:29:00				10:25:00	16:30:00	22:28:00	04:29:00	
CHAN	FREQ (MHZ)	VISUAL LEVEL (DBMV)				MAX VAR	CHAN	FREQ (MHZ)	VISUAL LEVEL (DBMV)				MAX VAR
2	55.2500	13.70	13.50	13.00	14.00	1	DD (40)	319.2625	11.000	10.900	10.300	12.200	1.9
3	61.2500	13.90	13.70	13.30	14.30	1	EE (41)	325.2625	10.900	10.700	10.100	12.000	1.9
4	67.2500	14.20	13.80	13.60	14.50	0.9	FF (42)	331.2750	11.100	10.900	10.400	12.100	1.7
5	77.2500	13.70	13.50	13.00	14.00	1	GG (43)	337.2625	11.000	10.900	10.300	12.100	1.8
6	83.2500	13.00	12.80	12.40	13.50	1.1	HH (44)	343.2625	10.900	10.800	10.100	12.000	1.9
A-5 (95)	91.2500						II (45)	349.2625	10.900	10.600	10.000	11.900	1.9
A-4 (96)	97.2500						JJ (46)	355.2625	10.800	10.600	10.000	11.900	1.9
A-3 (97)	103.2500						KK (47)	361.2625	10.800	10.600	9.900	11.900	2
[illegible]	109.2750	12.20	12.00	11.50	12.70	1.2	LL (48)	367.2625	10.300	10.200	9.400	11.300	1.9
[illegible]	115.2750	11.40	11.10	10.70	11.80	1.1	MM (49)	373.2625	10.300	10.100	9.400	11.400	2
[illegible]	121.2625	11.30	11.10	10.60	11.80	1.2	NN (50)	379.2625	10.200	9.900	9.300	11.200	1.9
B (15)	127.2625	11.20	11.00	10.60	11.80	1.2	OO (51)	385.2625	10.000	9.700	9.100	11.100	2
C (16)	133.2625	11.10	11.10	10.60	11.80	1.2	PP (52)	391.2625	10.100	9.800	9.300	11.200	1.9
D (17)	139.2500	11.30	11.30	10.60	11.90	1.3	QQ (53)	397.2625	10.000	9.600	9.200	11.100	1.9
E (18)	145.2500	11.40	11.50	10.80	12.20	1.4	RR (54)	403.2500	10.000	9.600	9.100	11.200	2.1
F (19)	151.3210	11.60	11.70	10.90	12.30	1.4	SS (55)	409.2500	9.900	9.600	9.100	11.100	2
G (20)	157.2500	11.30	11.30	10.70	12.00	1.3	TT (56)	415.2500	9.400	9.100	8.600	10.800	2.2
H (21)	163.2500	12.00	12.10	11.40	12.60	1.2	UU (57)	421.2500	9.200	8.800	8.200	10.400	2.2
I (22)	169.2500	12.10	12.00	11.50	12.70	1.2	VV (58)	427.2500	9.600	9.200	8.600	10.900	2.3
7	175.2500	12.20	12.10	11.40	12.90	1.5	WW (59)	433.2500	9.300	9.000	8.300	10.500	2.2
8	181.2500	12.10	11.90	11.40	12.80	1.4	XX (60)	439.2500	9.000	8.800	8.100	10.300	2.2
9	187.2500	11.50	11.40	10.80	12.30	1.5	YY (61)	445.2500	9.500	9.200	8.500	10.700	2.2
10	193.2500	11.70	11.60	11.00	12.50	1.5	ZZ (62)	451.2500	9.600	9.500	8.800	11.000	2.2
11	199.2500	11.70	11.60	11.10	12.40	1.3	63	457.2500	9.800	9.600	9.100	11.200	2.1
12	205.2500	11.40	11.40	10.80	12.20	1.4	64	463.2500	10.300	10.000	9.400	11.600	2.2
13	211.2500	11.70	11.50	11.00	12.40	1.4	65	469.2500	10.200	9.900	9.300	11.600	2.3
J (23)	217.2500	11.50	11.20	10.50	12.30	1.8	66	475.2500	10.400	10.000	9.500	11.800	2.3
K (24)	223.2500	10.80	10.40	9.90	11.80	1.9	67	481.2500	10.600	10.400	9.800	12.200	2.4
L (25)	229.2625	10.90	10.70	10.10	11.70	1.6	68	487.2500	10.500	10.400	9.700	12.100	2.4
M (26)	235.2625	10.70	10.60	10.10	11.70	1.6	69	493.2500	10.900	10.800	10.000	12.300	2.3
[illegible]	241.2625	10.60	10.50	9.90	11.40	1.5	70	499.2500	11.100	10.900	10.200	12.700	2.5
[illegible]	247.2625	10.40	10.40	9.70	11.30	1.6	71	505.2500	11.700	11.000	10.300	12.700	2.4
P (29)	253.2625	10.40	10.20	9.60	11.10	1.5	72	511.2500	11.700	11.600	10.800	13.300	2.5
Q (30)	259.2625	10.50	10.40	9.90	11.50	1.6	73	517.2500	11.600	11.500	10.700	13.200	2.5
R (31)	265.2625	10.90	10.70	10.20	11.70	1.5	74	523.2500	11.800	11.800	11.000	13.500	2.5
S (32)	271.2625	10.90	10.80	10.30	11.80	1.5	75	529.2500	12.200	12.100	11.300	13.700	2.4
T (33)	277.2625	12.20	12.10	11.40	13.40	2	76	535.2500	12.400	12.400	11.600	14.100	2.5
U (34)	283.2625	10.20	10.10	9.50	11.20	1.7	77	541.2500	12.900	13.100	12.100	14.700	2.6
V (35)	289.2625	10.00	10.00	9.40	11.10	1.7	78	547.2500	12.700	12.700	12.000	14.500	2.5
W (36)	295.2625	10.70	10.50	9.90	11.60	1.7	79	553.2500					
AA (37)	301.2625	11.00	10.80	10.20	11.90	1.7	80	559.2500	12.800	12.800	12.100	14.500	2.4
BB (38)	307.2625	11.20	11.30	10.70	12.30	1.6	81	565.2500					
CC (39)	313.2625	11.30	11.10	10.50	12.30	1.8							

Max Non Adjacent Channel Level Diff	:- 5.5
Max Adjacent Channel Level Diff	:- 2.2
Max Variance from last proof of performance test	:- N/A
Date of last proof of performance test	:- N/A

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

TESTPOINT 13, PAGE 1

TIME WARNER CABLE - SYRACUSE DIVISION

System Name	:	Syracuse
System Test Point #	:	13
Hub Name	:	Burdick Hub
Location	:	6472 Curwood Drive / Dewitt
Map Number	:	353-5650
Pole Number	:	Pole # 15/104
D.T. Value	:	17/4
OR Number	:	106
GNA Cascade	:	Node + 2
LE Cscade	:	1

TESTPOINT 13, PAGE 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	: Syracuse	**Test Location**	: 6472 Curwood Drive / Dewitt
Date	: 01/13/2005	**Time**	: 07:49:00

CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)	CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)
2	55.2500	10.70	-3.30		14	DD (40)	319.2625	13.40	-0.90		14.3
3	61.2500	11.10	-3.80		14.9	EE (41)	325.2625	13.70	-0.90		14.6
4	67.2500	11.00	-4.10		15.1	FF (42)	331.2750	13.70	-0.50		14.2
5	77.2500	10.90	-4.30		15.2	GG (43)	337.2625	13.60	-0.70		14.3
6	83.2500	10.50	-3.40		13.9	HH (44)	343.2625	13.70	-0.60		14.3
A-5 (95)	91.2500	N/A	N/A		N/A	II (45)	349.2625	13.60	-1.20		14.8
A-4 (96)	97.2500	N/A	N/A		N/A	JJ (46)	355.2625	14.00	-1.20		15.2
A-3 (97)	103.2500	N/A	N/A		N/A	KK (47)	361.2625	14.00	-1.10		15.1
A-2 (98)	109.2750	10.90	-3.30		14.2	LL (48)	367.2625	13.50	-1.30		14.8
A-1 (99)	115.2750	10.60	-3.90		14.5	MM (49)	373.2625	13.30	-1.60		14.9
A (14)	121.2625	10.90	-3.50		14.4	NN (50)	379.2625	13.40	-1.20		14.6
B (15)	127.2625	10.70	-3.60		14.3	OO (51)	385.2625	13.20	-1.60		14.8
C (16)	133.2625	11.50	-2.30		13.8	PP (52)	391.2625	13.00	-1.30		14.3
D (17)	139.2500	11.60	-2.40		14	QQ (53)	397.2625	12.70	-2.00		14.7
E (18)	145.2500	12.00	-3.00		15	RR (54)	403.2500	13.00	-1.90		14.9
F (19)	151.3210	12.10	-2.10		14.2	SS (55)	409.2500	12.20	-3.10		15.3
G (20)	157.2500	11.80	-2.40		14.2	TT (56)	415.2500	11.40	-3.40		14.8
H (21)	163.2500	12.40	-2.50		14.9	UU (57)	421.2500	11.40	-2.90		14.3
I (22)	169.2500	12.30	-2.20		14.5	VV (58)	427.2500	11.90	-2.50		14.4
7	175.2500	12.50	-1.80		14.3	WW (59)	433.2500	11.50	-2.80		14.3
8	181.2500	12.10	-2.30		14.4	XX (60)	439.2500	11.40	-2.30		13.7
9	187.2500	12.00	-2.90		14.9	YY (61)	445.2500	11.90	-2.80		14.7
10	193.2500	12.40	-2.30		14.7	ZZ (62)	451.2500	12.30	-2.50		14.8
11	199.2500	12.40	-2.10		14.5	63	457.2500	12.10	-2.30		14.4
12	205.2500	12.00	-2.90		14.9	64	463.2500	12.30	-2.10		14.4
13	211.2500	12.40	-2.70		15.1	65	469.2500	12.10	-2.00		14.1
J (23)	217.2500	12.50	-2.00		14.5	66	475.2500	12.20	-2.30		14.5
K (24)	223.2500	12.40	-2.30		14.7	67	481.2500	12.60	-2.70		15.3
L (25)	229.2625	12.30	-2.10		14.4	68	487.2500	12.50	-2.30		14.8
M (26)	235.2625	12.50	-2.20		14.7	69	493.2500	12.60	-1.80		14.4
N (27)	241.2625	12.30	-1.90		14.2	70	499.2500	12.50	-1.50		14
O (28)	247.2625	12.60	-1.90		14.5	71	505.2500	12.60	-2.00		14.6
P (29)	253.2625	12.50	-1.90		14.4	72	511.2500	13.00	-1.70		14.7
Q (30)	259.2625	13.00	-1.10		14.1	73	517.2500	12.30	-2.00		14.3
R (31)	265.2625	13.00	-1.50		14.5	74	523.2500	12.70	-2.10		14.8
S (32)	271.2625	12.70	-1.50		14.2	75	529.2500	12.50	-1.50		14
T (33)	277.2625	12.80	-1.40		14.2	76	535.2500	12.20	-1.50		13.7
U (34)	283.2625	13.10	-1.30		14.4	77	541.2500	12.80	-1.90		14.7
V (95)	289.2625	13.30	-1.90		15.2	78	547.2500	12.40	-2.60		15
W (36)	295.2625	13.40	-1.40		14.8	79	553.2500	N/A	N/A		N/A
AA (37)	301.2625	13.30	-1.10		14.4	80	559.2500	12.30	-2.20		14.5
BB (38)	307.2625	13.40	-1.00		14.4	81	565.2500	N/A	N/A		N/A
CC (39)	313.2625	13.00	-0.70		13.7						

Min Channel	:	6	10.500
Max Channel	:	JJ(46)	14.000
Peak to Valley	:	3.5	

TESTPOINT 13, PAGE 3

TIME WARNER CABLE - SYRACUSE DIVISION

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

System Name : Syracuse ***Date*** : 1/18/2005

Performed By : Rodney Levesque

Location : 6472 Curwood Drive / Dewitt

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

CHANNEL NUMBER	IN CHANNEL RESPONSE	CARRIER TO NOISE RATIO	DISTORTIONS	CSO	HUM
	(+/- DB)	(DB)	(-DBC) CTB		(%)
4	0.6	50.2	65.7	77.4	
14	0.2	48.8	64.6	75.4	
20	0.4	50.9	65.2	77.5	
13	0.2	51.2	64.2	77.7	
35	0.4	50.7	62.9	74.1	
43	0.3	51.7	63.6	73.7	
49	0.5	51.2	62.6	71.4	
61	0.3	51.0	63.2	70.8	
77	0.4	50.7	65.5	64.4	0.8

TIME WARNER CABLE - SYRACUSE DIVISION

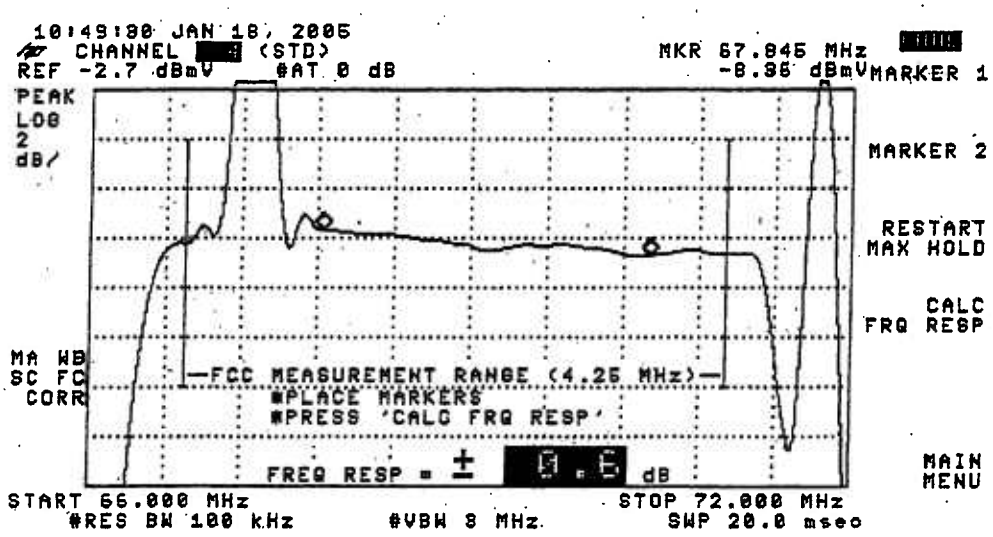
IN CHANNEL FREQUENCY RESPONSE TEST
(76.605) (a) (6)

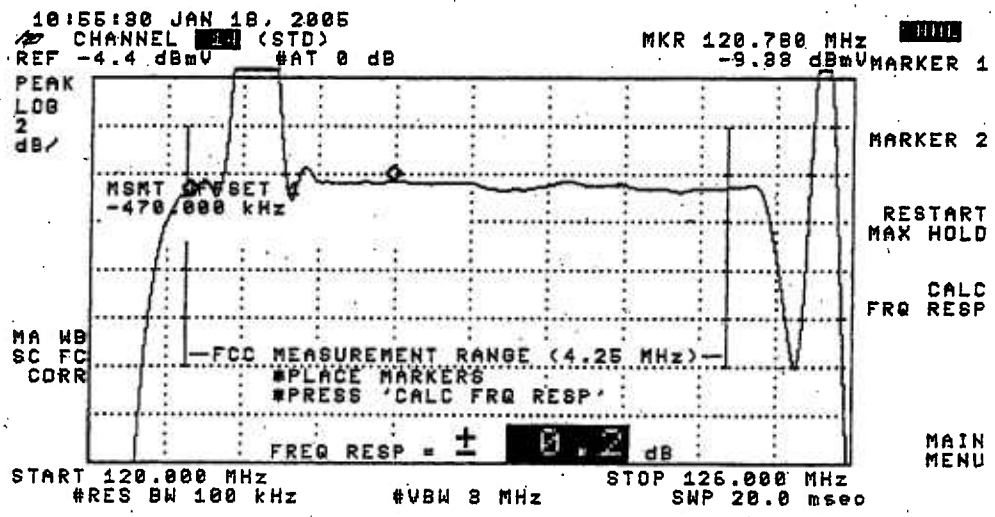
System Name : Syracuse ***Date*** : 01/18/2005

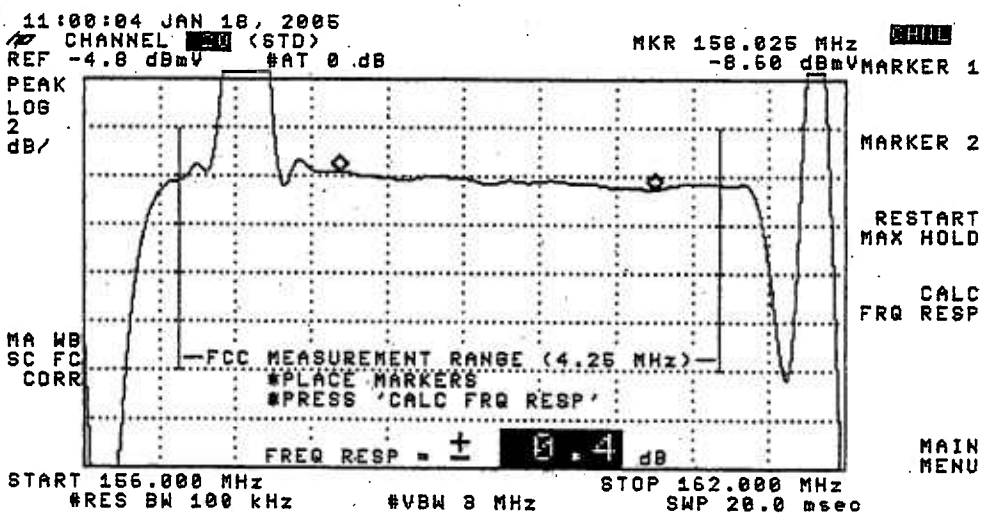
Performed By : Rodney Levesque

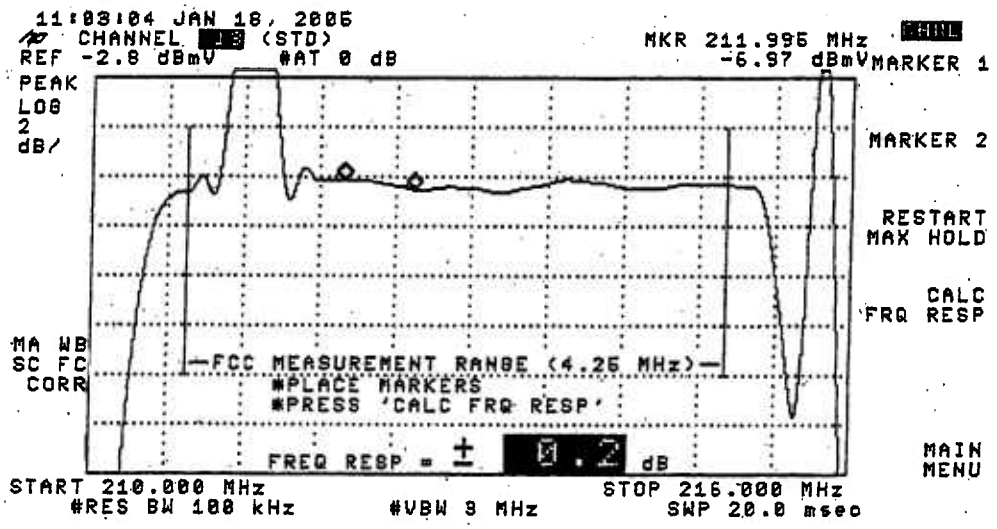
Location : 6472 Curwood Drive / Dewitt

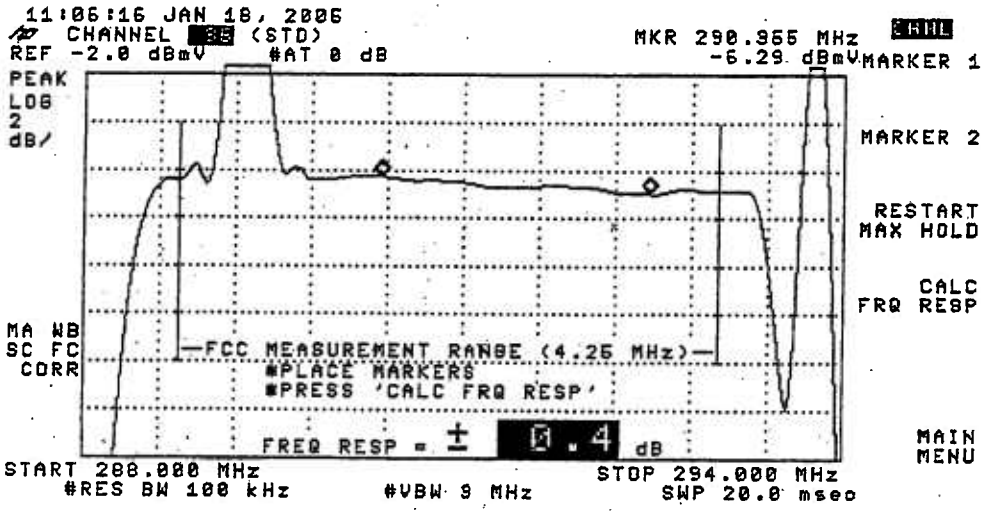
(SEE THE ATTACHED SWEEP TRACES)

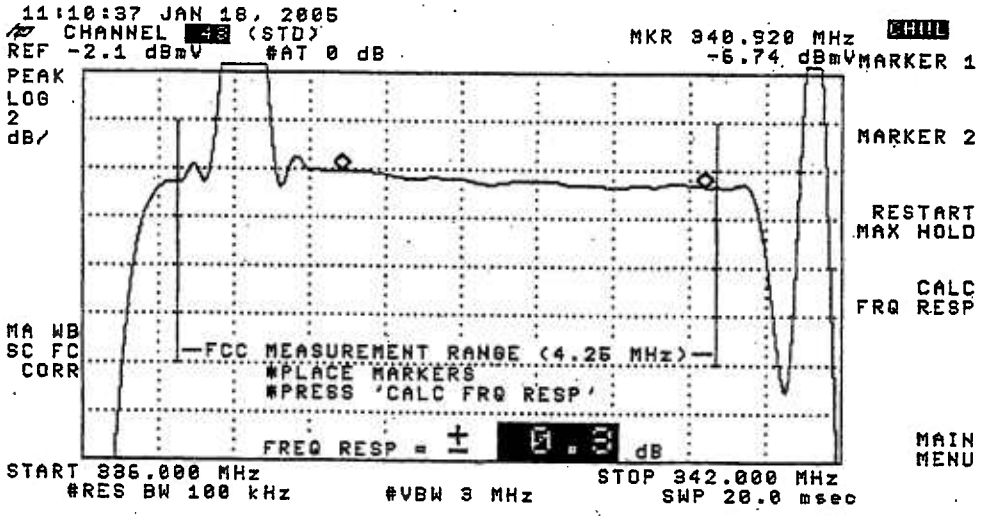

10:49:30 JAN 18, 2005
CHANNEL (STD)
REF -2.7 dBmV
#AT 0 dB
MKR 67.845 MHz
-8.35 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.6 dB
MAIN
MENU
START 66.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 72.000 MHz
SWP 20.0 msec

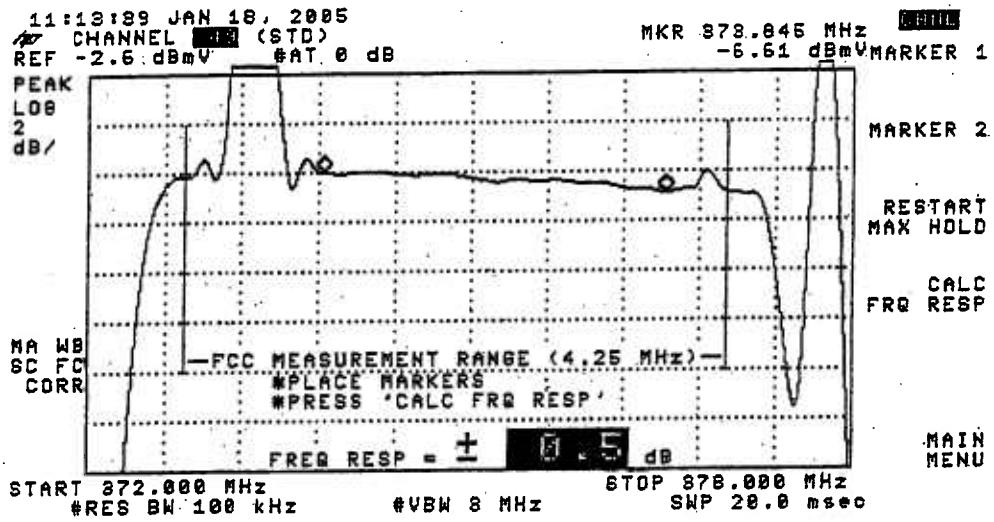

10:55:30 JAN 18, 2005
CHANNEL (STD)
REF -4.4 dBmV
#AT 0 dB
MKR 120.780 MHz
-9.33 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
MSMT OFFSET
-470.000 kHz
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 120.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 126.000 MHz
SWP 20.0 msec

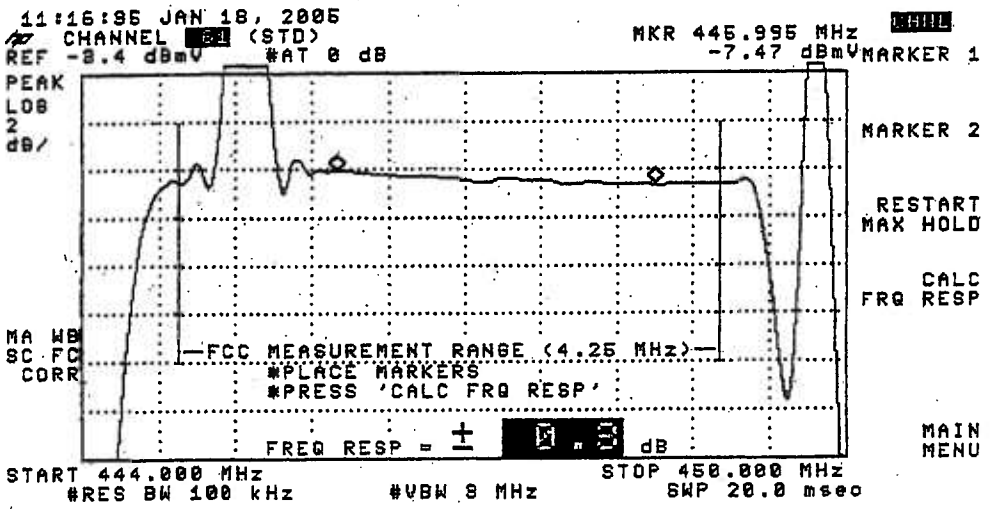

11:00:04 JAN 18, 2005
CHANNEL (STD)
REF -4.8 dBmV
#AT 0 dB
MKR 158.025 MHz
-8.50 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 156.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 162.000 MHz
SWP 20.0 msec

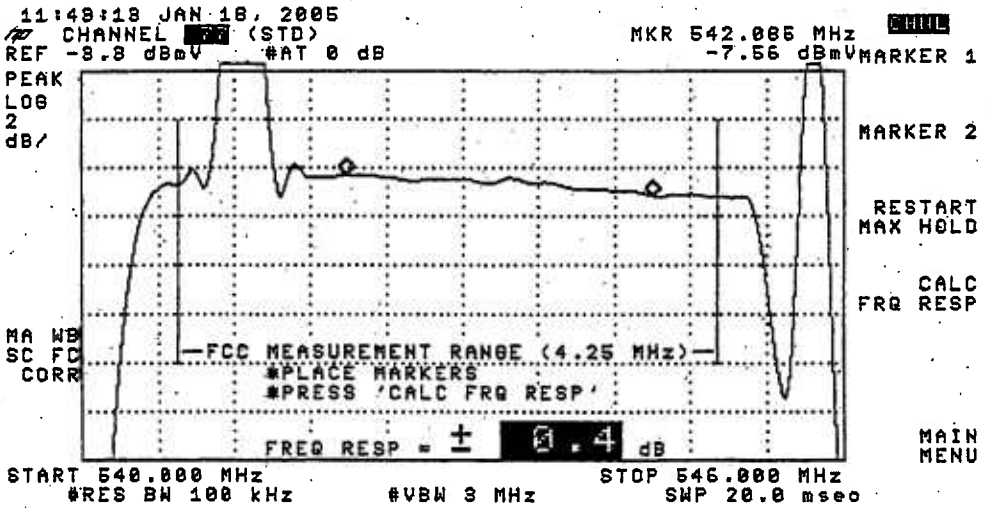

11:03:04 JAN 18, 2005
CHANNEL (STD)
REF -2.8 dBmV
#AT 0 dB
MKR 211.995 MHz
-6.97 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 210.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 216.000 MHz
SWP 20.0 msec

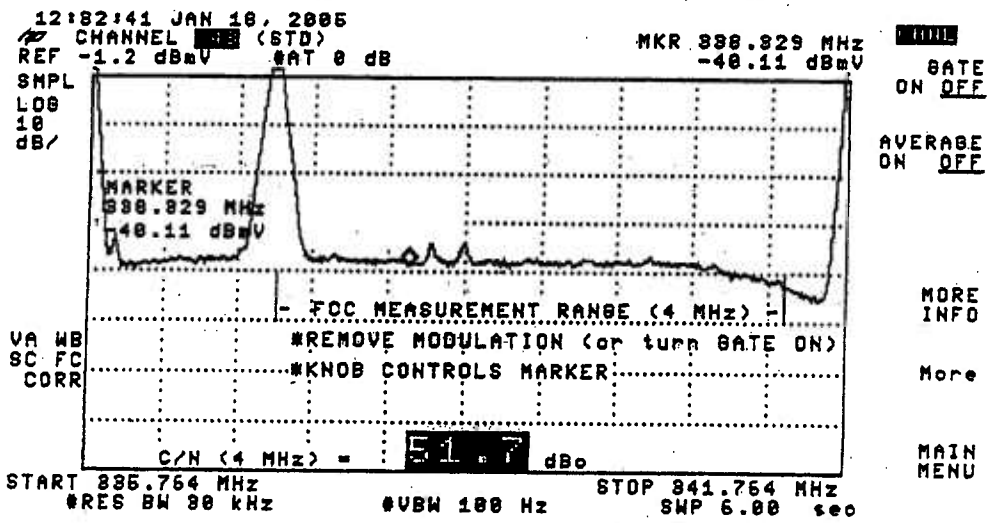

11:06:16 JAN 18, 2005
CHANNEL (STD)
REF -2.0 dBmV
#AT 0 dB
MKR 290.955 MHz
-6.29 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 288.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 294.000 MHz
SWP 20.0 msec

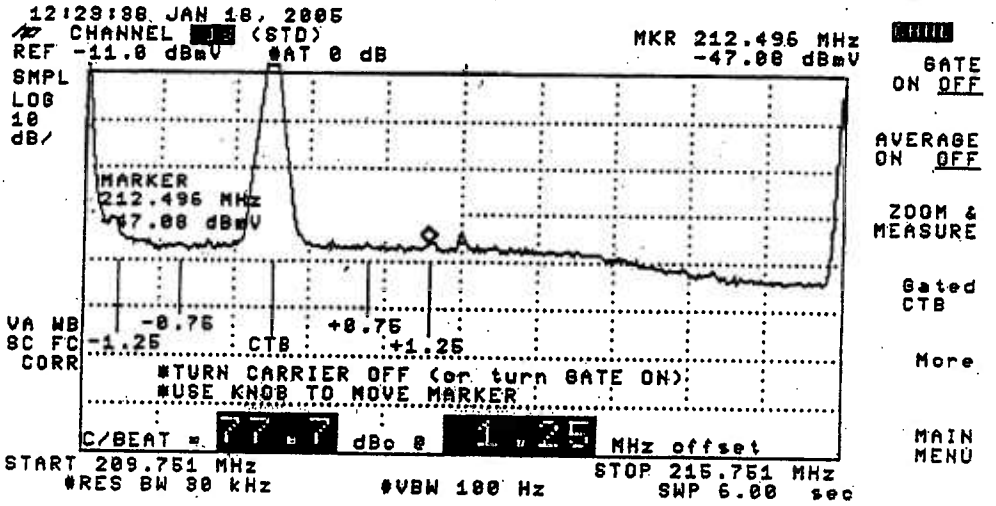

11:10:37 JAN 18, 2005
CHANNEL (STD)
REF -2.1 dBmV
#AT 0 dB
MKR 340.920 MHz
-6.74 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 336.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 342.000 MHz
SWP 20.0 msec

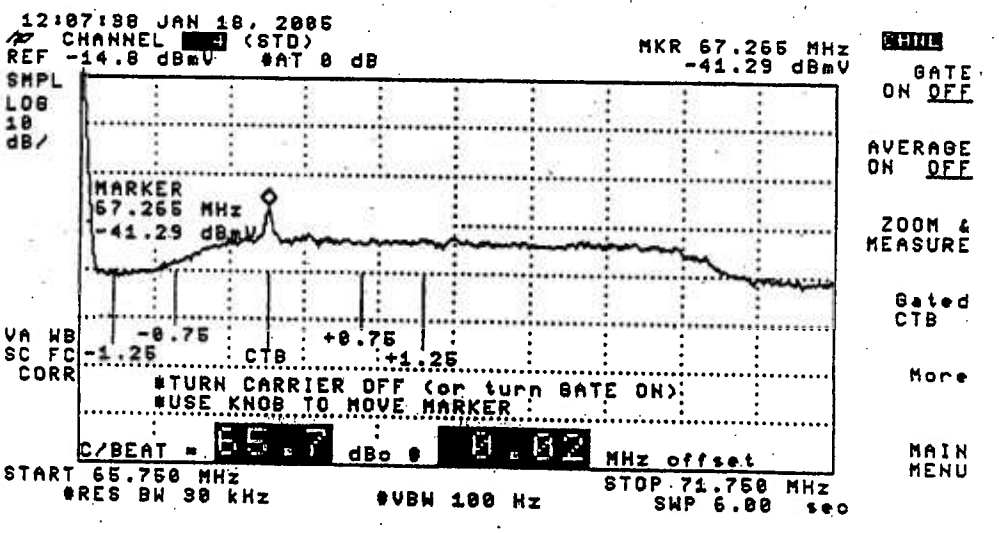

11:13:39 JAN 18, 2005
CHANNEL (STD)
REF -2.6 dBmV #AT 0 dB
MKR 378.845 MHz
-6.51 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
START 372.000 MHz
#RES BW 100 kHz
#VBW 8 MHz
STOP 378.000 MHz
SWP 20.0 msec

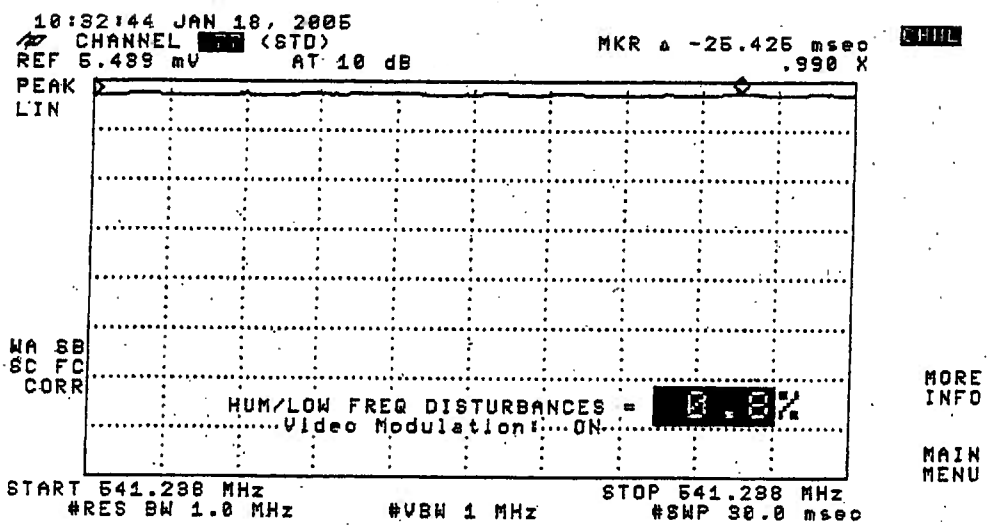

11:16:35 JAN 18, 2005
CHANNEL (STD)
REF -8.4 dBmV #AT 0 dB
MKR 445.995 MHz
-7.47 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 444.000 MHz
#RES BW 100 kHz
#VBW 8 MHz
STOP 450.000 MHz
SWP 20.0 msec


11:49:18 JAN 18, 2005
CHANNEL (STD)
REF -8.8 dBmV #AT 0 dB
MKR 542.065 MHz
-7.56 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 = ± 0.4 dB
MAIN
MENU
START 540.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 546.000 MHz
SWP 20.0 msec


12:02:41 JAN 18, 2005
CHANNEL (STD)
REF -1.2 dBmV
#AT 0 dB
MKR 838.829 MHz
-40.11 dBmV
SMPL
LOG
10
dB/
MARKER
838.829 MHz
-40.11 dBmV
- FCC MEASUREMENT RANGE (4 MHz) -
#REMOVE MODULATION (or turn GATE ON)
#KNOB CONTROLS MARKER
VA WB
SC FC
CORR
C/N (4 MHz) = 51.7 dBc
START 835.764 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 841.764 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
MORE
INFO
More
MAIN
MENU


12:29:38 JAN 18, 2005
CHANNEL (STD)
REF -11.0 dBmV
#AT 0 dB
MKR 212.496 MHz
-47.08 dBmV
SMPL
LOG
10
dB/
MARKER
212.496 MHz
-47.08 dBmV
-0.75
+0.75
-1.25
CTB
+1.25
#TURN CARRIER OFF (or turn GATE ON)
#USE KNOB TO MOVE MARKER
VA WB
SC FC
CORR
C/BEAT = 77.7 dBc @ 1.25 MHz offset
START 209.751 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 215.751 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
Gated
CTB
More
MAIN
MENU


12:07:38 JAN 18, 2005
CHANNEL (STD)
REF -14.8 dBmV
#AT 0 dB
MKR 67.265 MHz
-41.29 dBmV
SMPL
LOG
10
dB/
MARKER
67.265 MHz
-41.29 dBmV
-0.75
+0.75
-1.25
CTB
+1.25
#TURN CARRIER OFF (or turn GATE ON)
#USE KNOB TO MOVE MARKER
VA WB
SC FC
CORR
C/BEAT = 65.7 dBc @ 0.02 MHz offset
START 65.750 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 71.750 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
Gated
CTB
More
MAIN
MENU


10:32:44 JAN 18, 2005
CHANNEL (STD)
REF 5.489 mV
AT 10 dB
MKR Δ -25.425 msec
.990 X
PEAK
LIN
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES =
Video Modulation: ON
MORE
INFO
MAIN
MENU
START 541.288 MHz
#RES BW 1.0 MHz
#VBW 1 MHz
STOP 541.288 MHz
#SWP 30.0 msec

TESTPOINT 13, PAGE 5

TIME WARNER CABLE - SYRACUSE DIVISION

VISUAL CARRIER LEVEL VARIATION TEST

System Name	: Syracuse	**Test Location**	: 6472 Curwood Drive / Dewitt
Date	: 01/13/2005	**Performed By**	: Jim Woods
Meter Serial Number	: 221999		

		TEMP F							TEMP F				
		46.00	58.00	64.00	40.00				46.00	58.00	64.00	40.00	
		TIME							TIME				
		07:49:00	14:00:00	19:56:00	02:00:00				07:49:00	14:00:00	19:56:00	02:00:00	
CHAN	FREQ (MHZ)	VISUAL LEVEL (DBMV)				MAX VAR	CHAN	FREQ (MHZ)	VISUAL LEVEL (DBMV)				MAX VAR
2	55.2500	10.70	10.10	9.90	11.30	1.4	DD (40)	319.2625	13.400	13.300	12.700	14.000	1.3
3	61.2500	11.10	10.80	10.70	12.00	1.3	EE (41)	325.2625	13.700	13.200	13.100	14.300	1.2
4	67.2500	11.00	10.90	11.00	12.20	1.3	FF (42)	331.2750	13.700	13.400	13.100	14.400	1.3
5	77.2500	10.90	10.80	10.50	11.90	1.4	GG (43)	337.2625	13.600	13.300	12.900	14.300	1.4
6	83.2500	10.50	10.40	10.20	11.40	1.2	HH (44)	343.2625	13.700	13.400	13.000	14.300	1.3
A-5 (95)	91.2500						II (45)	349.2625	13.600	13.300	12.900	14.100	1.2
A-4 (96)	97.2500						JJ (46)	355.2625	14.000	13.600	13.300	14.400	1.1
A-3 (97)	103.2500						KK (47)	361.2625	14.000	13.600	13.300	14.300	1
A-2 (98)	109.2750	10.90	10.60	10.40	11.70	1.3	LL (48)	367.2625	13.500	13.100	12.800	13.900	1.1
A-1 (99)	115.2750	10.60	10.30	10.20	11.60	1.4	MM (49)	373.2625	13.300	13.000	12.500	13.500	1
A (14)	121.2625	10.90	10.60	10.40	11.70	1.3	NN (50)	379.2625	13.400	13.000	12.800	13.900	1.1
B (15)	127.2625	10.70	10.50	10.30	11.80	1.5	OO (51)	385.2625	13.200	12.700	12.400	13.400	1
C (16)	133.2625	11.50	10.80	10.60	12.40	1.8	PP (52)	391.2625	13.000	12.600	12.300	13.500	1.2
D (17)	139.2500	11.60	10.90	10.20	12.20	2	QQ (53)	397.2625	12.700	12.200	12.000	13.200	1.2
E (18)	145.2500	12.00	11.50	11.10	12.70	1.6	RR (54)	403.2500	13.000	12.600	12.200	13.400	1.2
F (19)	151.3210	12.10	11.70	11.60	12.90	1.3	SS (55)	409.2500	12.200	12.400	12.000	13.300	1.3
G (20)	157.2500	11.80	11.40	11.30	12.80	1.5	TT (56)	415.2500	11.400	11.300	11.400	11.400	0.1
H (21)	163.2500	12.40	12.00	11.80	13.30	1.5	UU (57)	421.2500	11.400	10.800	10.400	11.800	1.4
I (22)	169.2500	12.50	12.10	12.00	13.40	1.4	VV (58)	427.2500	11.900	11.500	11.200	12.100	0.9
7	175.2500	12.50	12.10	12.00	13.40	1.4	WW (59)	433.2500	11.500	11.200	11.000	11.800	0.8
8	181.2500	12.10	11.90	11.70	13.10	1.4	XX (60)	439.2500	11.400	11.200	10.700	11.800	1.1
9	187.2500	12.00	11.80	11.60	13.00	1.4	YY (61)	445.2500	11.900	11.800	11.400	12.200	0.8
10	193.2500	12.40	12.10	11.90	13.30	1.4	ZZ (62)	451.2500	12.300	12.000	11.700	12.900	1.2
11	199.2500	12.40	11.90	11.80	13.30	1.5	63	457.2500	12.100	11.900	11.700	12.600	0.9
12	205.2500	12.00	11.80	11.50	13.10	1.6	64	463.2500	12.300	12.200	11.900	12.800	0.9
13	211.2500	12.40	11.80	11.80	13.20	1.4	65	469.2500	12.100	11.900	11.800	13.000	1.2
J (23)	217.2500	12.50	12.10	11.90	13.20	1.3	66	475.2500	12.200	12.000	11.700	12.300	0.6
K (24)	223.2500	12.40	11.90	11.70	13.10	1.4	67	481.2500	12.600	12.500	12.300	13.400	1.1
L (25)	229.2625	12.30	11.70	11.70	13.00	1.3	68	487.2500	12.500	12.400	12.200	12.900	0.7
M (26)	235.2625	12.50	12.10	12.20	13.30	1.2	69	493.2500	12.600	12.300	12.100	12.700	0.6
N (27)	241.2625	12.30	12.00	11.80	13.20	1.4	70	499.2500	12.500	12.300	12.400	13.100	0.8
O (28)	247.2625	12.60	12.30	12.10	13.60	1.5	71	505.2500	12.600	12.500	12.000	12.200	0.6
P (29)	253.2625	12.50	12.10	11.90	13.40	1.5	72	511.2500	13.000	12.800	12.800	13.400	0.6
Q (30)	259.2625	13.00	12.50	12.40	13.90	1.5	73	517.2500	12.300	12.100	12.000	12.400	0.4
R (31)	265.2625	13.00	12.50	12.40	13.80	1.4	74	523.2500	12.700	12.600	12.400	12.800	0.4
S (32)	271.2625	12.70	12.30	12.00	13.30	1.3	75	529.2500	12.500	12.300	12.200	12.800	0.6
T (33)	277.2625	12.80	12.30	12.30	13.50	1.2	76	535.2500	12.200	12.100	12.100	12.400	0.3
U (34)	283.2625	13.10	12.70	12.50	13.70	1.2	77	541.2500	12.800	12.700	12.500	13.000	0.5
V (35)	289.2625	13.30	12.90	12.70	13.90	1.2	78	547.2500	12.400	12.300	12.200	12.400	0.2
W (36)	295.2625	13.40	13.20	12.90	14.10	1.2	79	553.2500					
AA (37)	301.2625	13.30	12.80	12.80	13.90	1.1	80	559.2500	12.300	12.000	11.900	12.300	0.4
BB (38)	307.2625	13.40	12.90	12.80	13.90	1.1	81	565.2500					
CC (39)	313.2625	13.00	12.60	12.60	13.80	1.2							

Max Non Adjacent Channel Level Diff	:- 3.5
Max Adjacent Channel Level Diff	:- 1.9
Max Variance from last proof of performance test	:- N/A
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	:	Syracuse
System Test Point #	:	14
Hub Name	:	Burdick Hub
Location	:	103 Brookland Drive / Lyncourt
Map Number	:	338-5650
Pole Number	:	Pole # 1/1
D.T. Value	:	17/4
OR Number	:	109
GNA Cascade	:	Node + 4
LE Cscade	:	0

ESTPOINT 14, PAGE 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	: Syracuse	**Test Location**	: 103 Brookland Drive / Lyncourt
Date	: 01/13/2005	**Time**	: 08:24:00

CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)	CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)
2	55.2500	9.60	-4.30		13.9	DD (40)	319.2625	12.50	-1.80		14.3
3	61.2500	9.90	-4.70		14.6	EE (41)	325.2625	12.40	-2.00		14.4
4	67.2500	10.10	-4.50		14.6	FF (42)	331.2750	12.60	-1.60		14.2
5	77.2500	9.90	-5.30		15.2	GG (43)	337.2625	12.50	-1.70		14.2
6	83.2500	9.50	-4.50		14	HH (44)	343.2625	12.70	-1.70		14.4
A-5 (95)	91.2500	N/A	N/A		N/A	II (45)	349.2625	12.50	-2.20		14.7
A-4 (96)	97.2500	N/A	N/A		N/A	JJ (46)	355.2625	12.60	-2.10		14.7
A-3 (97)	103.2500	N/A	N/A		N/A	KK (47)	361.2625	12.80	-2.20		15
A-2 (98)	109.2750	10.20	-3.90		14.1	LL (48)	367.2625	12.30	-2.50		14.8
A-1 (99)	115.2750	9.90	-4.60		14.5	MM (49)	373.2625	12.50	-2.40		14.9
A (14)	121.2625	10.30	-3.80		14.1	NN (50)	379.2625	12.40	-2.00		14.4
B (15)	127.2625	10.30	-3.80		14.1	OO (51)	385.2625	12.40	-2.00		14.4
C (16)	133.2625	11.00	-3.00		14	PP (52)	391.2625	12.20	-2.00		14.2
D (17)	139.2500	10.90	-3.00		13.9	QQ (53)	397.2625	12.30	-2.20		14.5
E (18)	145.2500	11.30	-3.40		14.7	RR (54)	403.2500	12.60	-2.30		14.9
F (19)	151.3210	11.30	-2.60		13.9	SS (55)	409.2500	12.30	-2.90		15.2
G (20)	157.2500	11.40	-3.10		14.5	TT (56)	415.2500	11.70	-3.40		15.1
H (21)	163.2500	11.50	-3.40		14.9	UU (57)	421.2500	11.20	-2.50		13.7
I (22)	169.2500	11.50	-3.00		14.5	VV (58)	427.2500	12.20	-2.00		14.2
7	175.2500	11.60	-2.80		14.4	WW (59)	433.2500	12.40	-2.20		14.6
8	181.2500	11.30	-3.20		14.5	XX (60)	439.2500	12.40	-1.50		13.9
9	187.2500	11.20	-4.10		15.3	YY (61)	445.2500	12.50	-1.70		14.2
10	193.2500	11.00	-3.60		14.6	ZZ (62)	451.2500	12.60	-1.70		14.3
11	199.2500	11.00	-3.20		14.2	63	457.2500	12.80	-1.70		14.5
12	205.2500	10.70	-4.00		14.7	64	463.2500	12.90	-1.40		14.3
13	211.2500	11.20	-3.90		15.1	65	469.2500	13.10	-0.90		14
J (23)	217.2500	11.20	-3.50		14.7	66	475.2500	13.10	-1.40		14.5
K (24)	223.2500	10.90	-3.30		14.2	67	481.2500	13.30	-1.90		15.2
L (25)	229.2625	11.30	-3.00		14.3	68	487.2500	13.50	-1.50		15
M (26)	235.2625	11.20	-3.20		14.4	69	493.2500	12.80	-1.50		14.3
N (27)	241.2625	11.40	-3.30		14.7	70	499.2500	13.30	-1.00		14.3
O (28)	247.2625	11.20	-3.10		14.3	71	505.2500	13.60	-1.60		15.2
P (29)	253.2625	11.30	-2.80		14.1	72	511.2500	13.20	-1.30		14.5
Q (30)	259.2625	11.50	-2.20		13.7	73	517.2500	13.10	-1.60		14.7
R (31)	265.2625	11.70	-2.70		14.4	74	523.2500	12.90	-1.60		14.5
S (32)	271.2625	11.60	-2.70		14.3	75	529.2500	13.20	-1.30		14.5
T (33)	277.2625	11.60	-2.40		14	76	535.2500	13.00	-1.20		14.2
U (34)	283.2625	11.70	-2.60		14.3	77	541.2500	13.40	-0.90		14.3
V (35)	289.2625	12.10	-3.00		15.1	78	547.2500	12.90	-1.90		14.8
W (36)	295.2625	12.20	-2.40		14.6	79	553.2500	N/A	N/A		N/A
AA (37)	301.2625	12.20	-2.10		14.3	80	559.2500	12.80	-1.70		14.5
BB (38)	307.2625	12.40	-1.80		14.2	81	565.2500	N/A	N/A		N/A
CC (39)	313.2625	12.10	-1.70		13.8						

Min Channel	:	6	9.500
Max Channel	:	71	13.600
Peak to Valley	:	4.1	

TESTPOINT 14, PAGE 3

TIME WARNER CABLE - SYRACUSE DIVISION

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

System Name : Syracuse ***Date*** : 1/24/2005

Performed By : Jeremy Bellinger

tion : 103 Brookland Drive / Lyncourt

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

CHANNEL NUMBER	IN CHANNEL RESPONSE	CARRIER TO NOISE RATIO	DISTORTIONS	CSO	HUM
	(+/- DB)	(DB)	(-DBC) CTB		(%)
4	0.5	47.3	68.6	74.7	0.5
14	0.1	46.8	65.1	72.0	
20	0.4	48.1	64.4	76.6	
13	0.1	48.2	63.7	74.0	
35	0.4	47.3	62.6	67.6	
43	0.3	47.2	62.1	67.0	
49	0.5	46.8	64.4	66.8	
60	0.4	47.3	64.0	60.1	
77	0.6	48.2	64.9	62.0	

TIME WARNER CABLE - SYRACUSE DIVISION

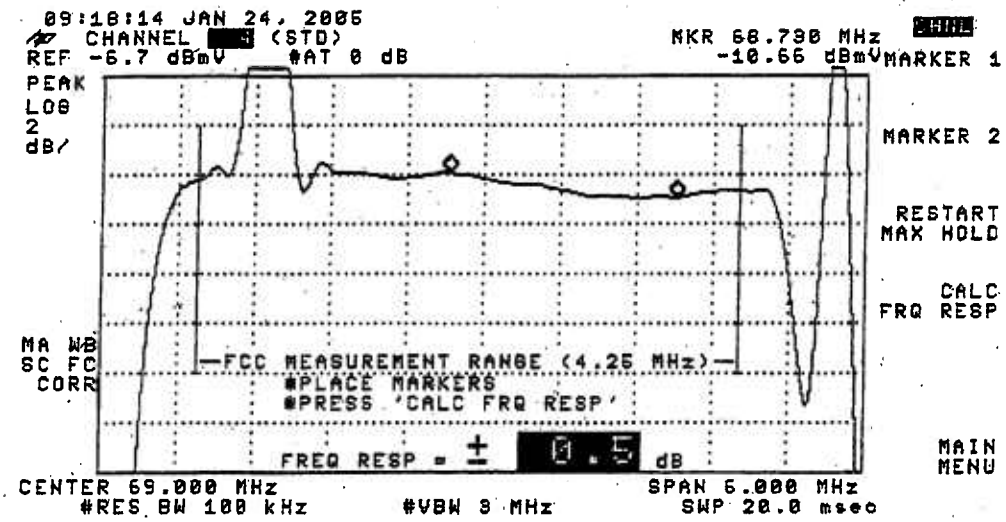
IN CHANNEL FREQUENCY RESPONSE TEST
(76.605) (a) (6)

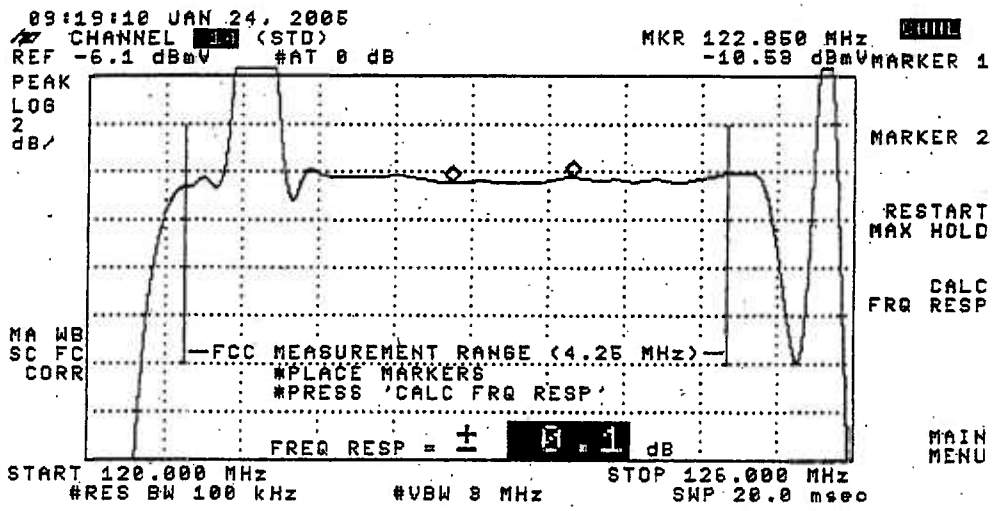
System Name : Syracuse ***Date*** : 01/24/2005

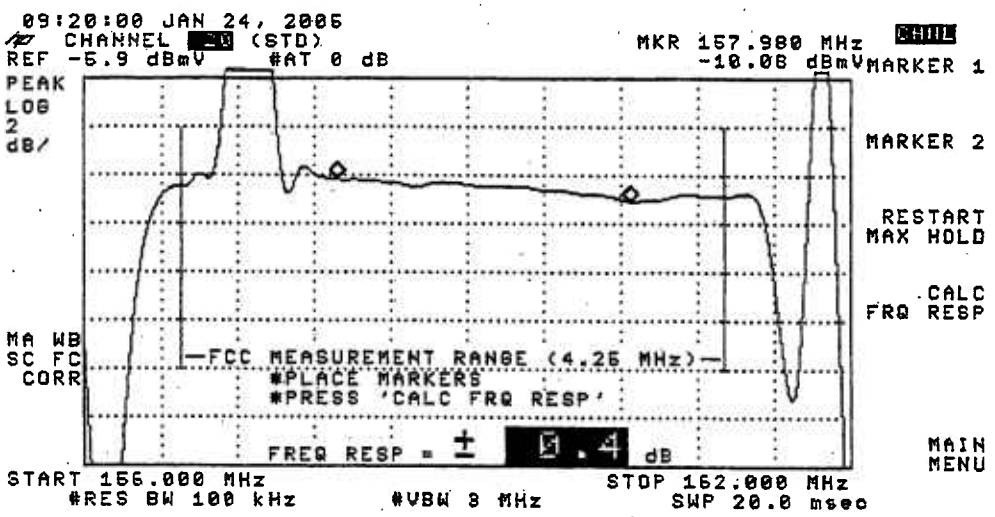
Performed By : Jeremy Bellinger

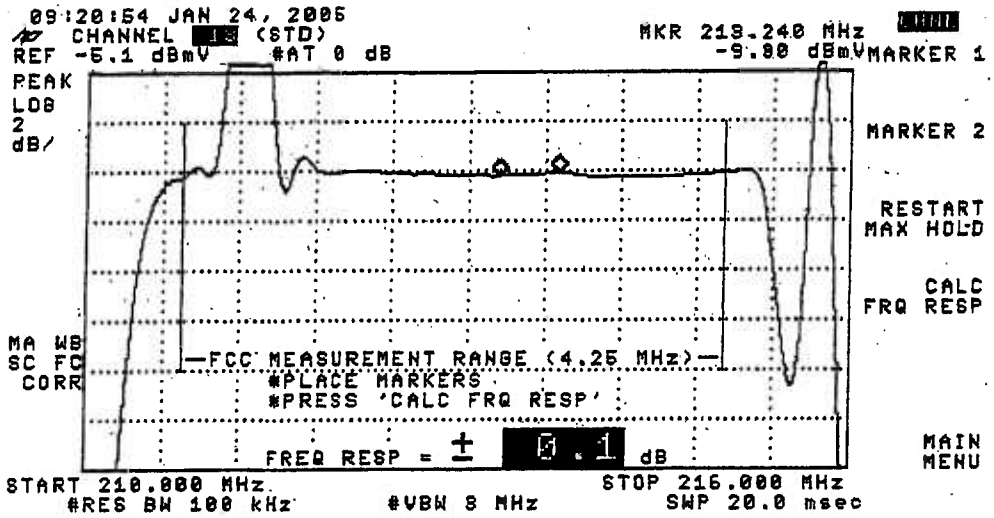
Location : 103 Brookland Drive / Lyncourt

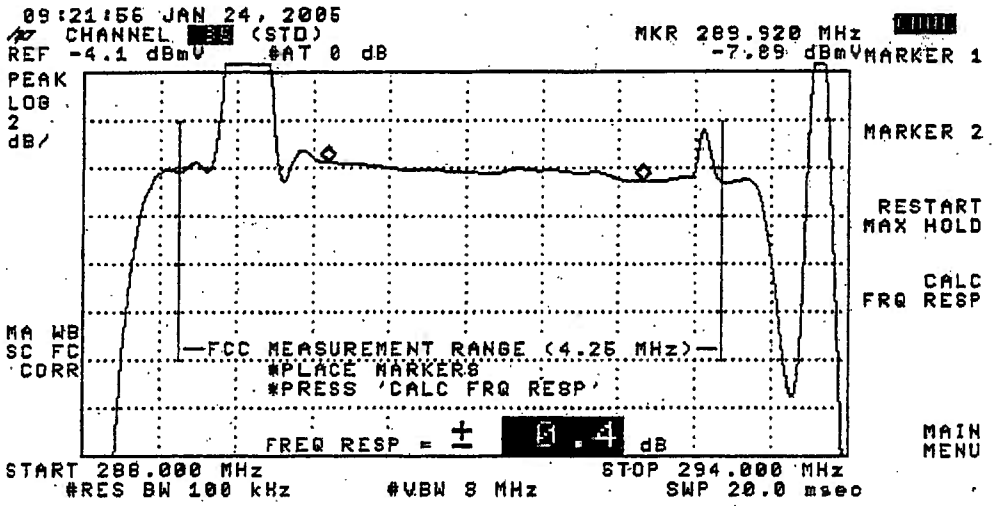
(SEE THE ATTACHED SWEEP TRACES)

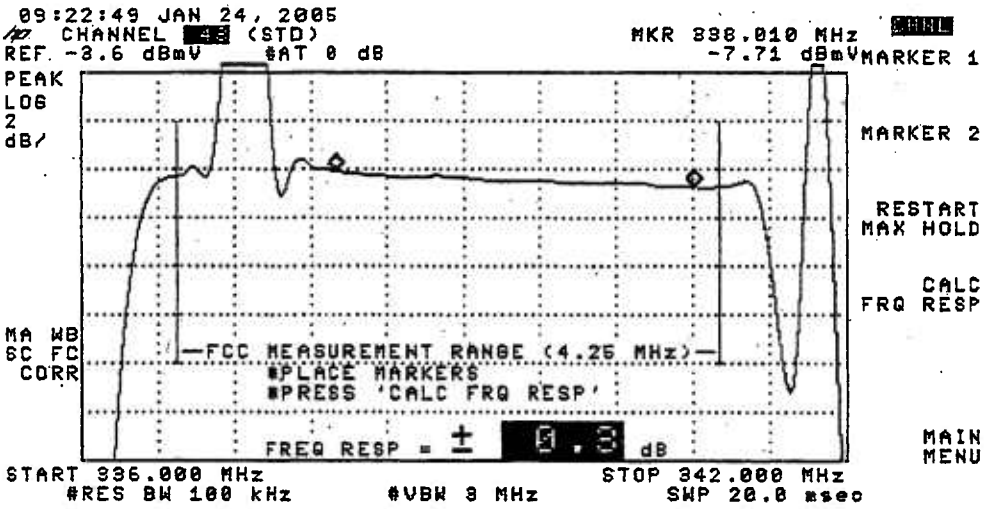

09:18:14 JAN 24, 2005
CHANNEL (STD)
REF -6.7 dBmV #AT 0 dB
MKR 68.790 MHz
-10.66 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
CENTER 69.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

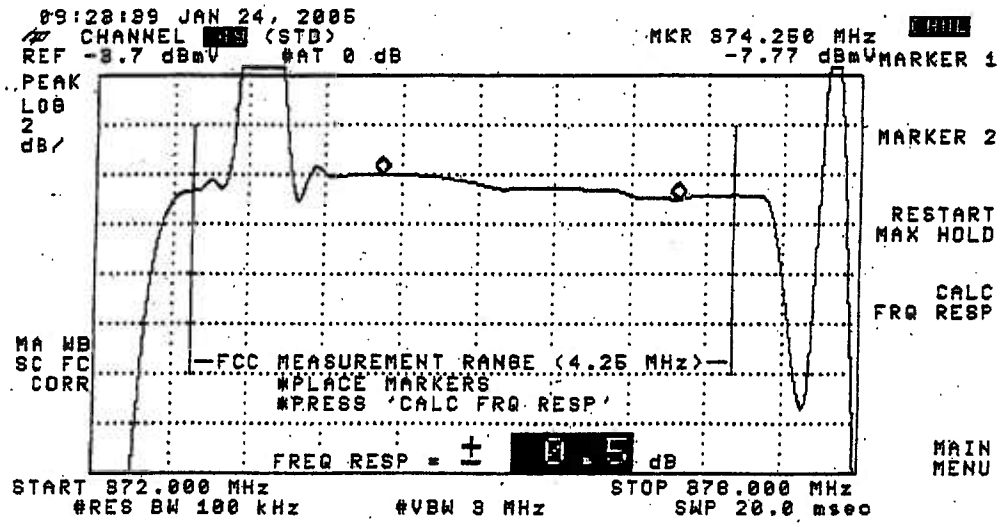

09:19:10 JAN 24, 2005
CHANNEL (STD)
REF -6.1 dBmV #AT 0 dB
MKR 122.850 MHz
-10.59 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.1 dB
MAIN
MENU
START 120.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 126.000 MHz
SWP 20.0 msec

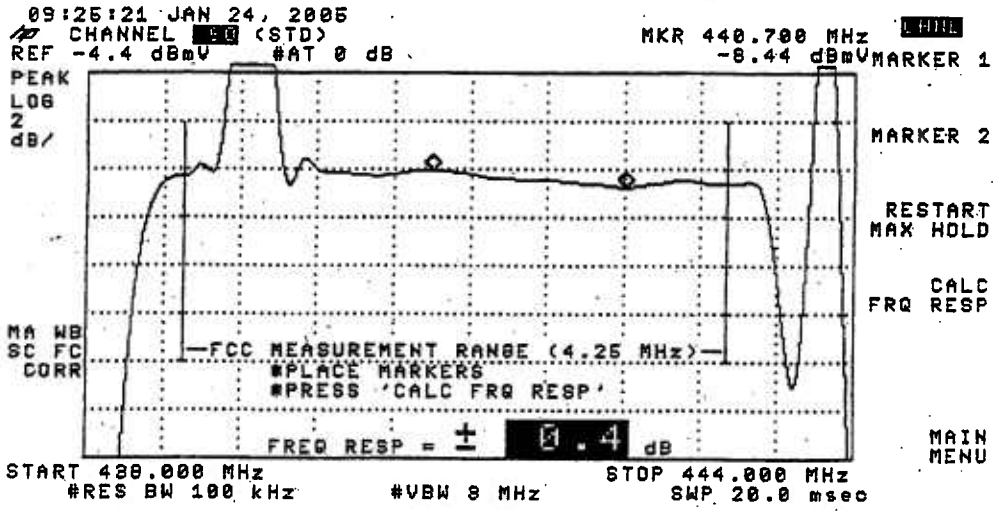

09:20:00 JAN 24, 2005
CHANNEL (STD)
REF -5.9 dBmV #AT 0 dB
MKR 157.980 MHz
-10.06 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 156.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 162.000 MHz
SWP 20.0 msec

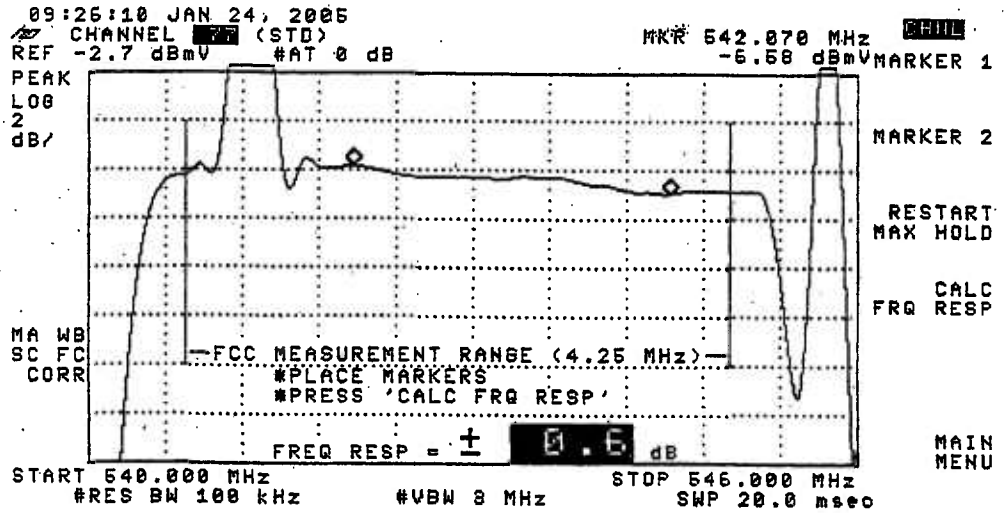

09:20:54 JAN 24, 2005
CHANNEL (STD)
REF -5.1 dBmV
#AT 0 dB
MKR 213.240 MHz
-9.80 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.1 dB
MAIN
MENU
START 210.000 MHz
#RES BW 100 kHz
#VBW 8 MHz
STOP 216.000 MHz
SWP 20.0 msec

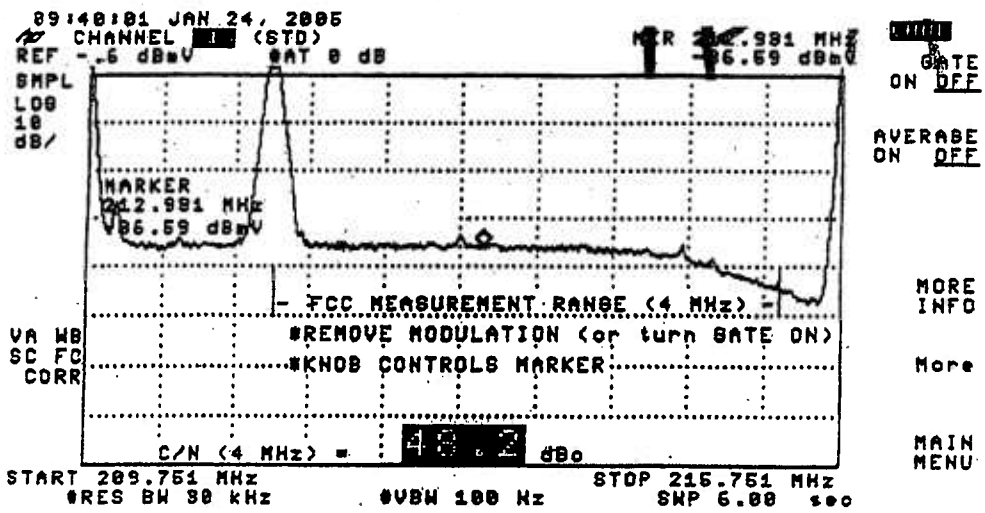

09:21:56 JAN 24, 2005
CHANNEL (STD)
REF -4.1 dBmV
#AT 0 dB
MKR 289.920 MHz
-7.89 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 286.000 MHz
#RES BW 100 kHz
#VBW 8 MHz
STOP 294.000 MHz
SWP 20.0 msec

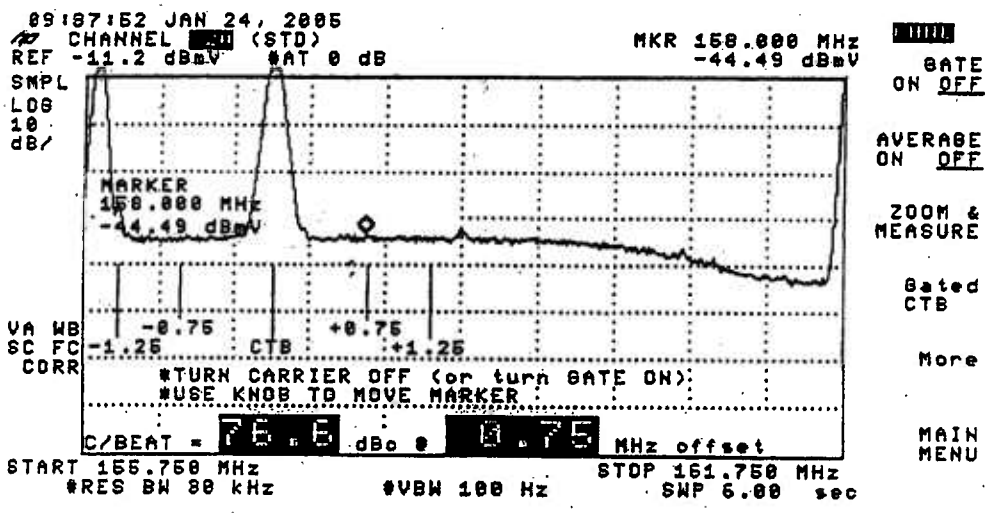

09:22:49 JAN 24, 2005
CHANNEL (STD)
REF -3.6 dBmV
#AT 0 dB
MKR 338.010 MHz
-7.71 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 336.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 342.000 MHz
SWP 20.0 msec

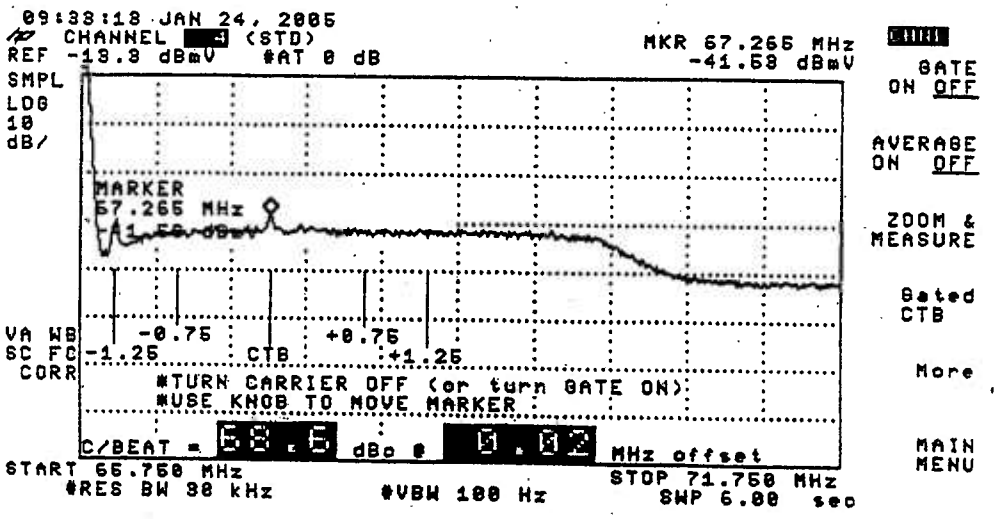

09:28:39 JAN 24, 2005
CHANNEL (STD)
REF -8.7 dBmV
#AT 0 dB
MKR 874.250 MHz
-7.77 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
START 872.000 MHz
#RES BW 100 kHz
#VBW 8 MHz
STOP 876.000 MHz
SWP 20.0 msec

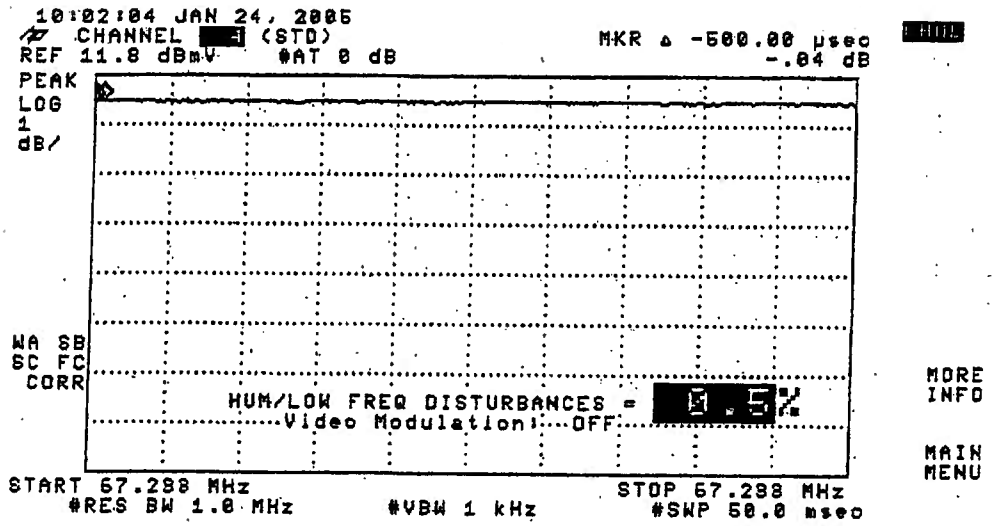

09:25:21 JAN 24, 2005
CHANNEL (STD)
REF -4.4 dBmV
#AT 0 dB
MKR 440.700 MHz
-8.44 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 438.000 MHz
#RES BW 100 kHz
#VBW 8 MHz
STOP 444.000 MHz
SWP 20.0 msec


09:26:10 JAN 24, 2005
CHANNEL (STD)
REF -2.7 dBmV
#AT 0 dB
MKR 542.070 MHz
-6.58 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 = ± 0.6 dB
MAIN
MENU
START 540.000 MHz
#RES BW 100 kHz
#VBW 8 MHz
STOP 546.000 MHz
SWP 20.0 msec


09:40:01 JAN 24, 2005
CHANNEL (STD)
REF -.6 dBmV
#AT 0 dB
SMPL
LOG
10
dB/
MARKER
212.981 MHz
-86.59 dBmV
- FCC MEASUREMENT RANGE (4 MHz) -
#REMOVE MODULATION (or turn GATE ON)
#KNOB CONTROLS MARKER
VA WB
SC FC
CORR
C/N (4 MHz) = 48.2 dBc
START 209.751 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 215.751 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
MORE
INFO
More
MAIN
MENU


09:37:52 JAN 24, 2005
CHANNEL (STD)
REF -11.2 dBmV
#AT 0 dB
MKR 158.000 MHz
-44.49 dBmV
SMPL
LOG
10
dB/
MARKER
158.000 MHz
-44.49 dBmV
-0.75
+0.75
-1.25
CTB
+1.25
#TURN CARRIER OFF (or turn GATE ON)
#USE KNOB TO MOVE MARKER
VA WB
SC FC
CORR
C/BEAT = 76.6 dBc @ 0.75 MHz offset
START 155.750 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 161.750 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
Gated
CTB
More
MAIN
MENU


09:33:18 JAN 24, 2005
CHANNEL (STD)
REF -13.3 dBmV
#AT 0 dB
MKR 67.265 MHz
-41.53 dBmV
SMPL
LOG
10
dB/
MARKER
67.265 MHz
-41.53 dBmV
-0.75
+0.75
-1.25
CTB
+1.25
#TURN CARRIER OFF (or turn GATE ON)
#USE KNOB TO MOVE MARKER
VA WB
SC FC
CORR
C/BEAT = 68.6 dBc @ 0.02 MHz offset
START 65.750 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 71.750 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
Gated
CTB
More
MAIN
MENU


10:02:04 JAN 24, 2005
CHANNEL [redacted] (STD)
REF 11.8 dBmV
#AT 0 dB
MKR Δ -500.00 μsec
-.04 dB
PEAK
LOG
1
dB/
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = 0.5%
Video Modulation: OFF
START 67.288 MHz
#RES BW 1.0 MHz
#VBW 1 kHz
STOP 67.288 MHz
#SWP 50.0 msec
MORE
INFO
MAIN
MENU

:STPOINT 14, PAGE 5

TIME WARNER CABLE - SYRACUSE DIVISION

VISUAL CARRIER LEVEL VARIATION TEST

System Name	: Syracuse	*Test Location*	: 103 Brookland Drive / Lyncourt
Date	: 01/13/2005	*Performed By*	: John Ellis
Meter Serial Number	: 221999		

		TEMP F										
		47.00	58.00	64.00	38.00			47.00	58.00	64.00	38.00	
		TIME						TIME				
		08:24:00	14:31:00	20:31:00	02:30:00			08:24:00	14:31:00	20:31:00	02:30:00	
CAN	FREQ (MHZ)	VISUAL LEVEL (DBMV)				MAX VAR	CHAN	FREQ (MHZ)	VISUAL LEVEL (DBMV)			MAX VAR
2	55.2500	9.60	9.00	8.80	10.00	1.2	DD (40)	319.2625	12.500	12.300	11.900	13.000	1.1
3	61.2500	9.90	9.30	9.10	10.30	1.2	EE (41)	325.2625	12.400	12.100	11.800	12.800	1
4	67.2500	10.10	9.60	9.50	10.50	1	FF (42)	331.2750	12.600	12.200	11.900	12.800	0.9
5	77.2500	9.90	9.40	9.20	10.10	0.9	GG (43)	337.2625	12.500	12.100	11.700	12.600	0.9
6	83.2500	9.50	8.90	9.00	9.80	0.9	HH (44)	343.2625	12.700	12.300	12.000	13.200	1.2
A-5 (95)	91.2500						II (45)	349.2625	12.500	12.200	11.900	12.900	1
A-4 (96)	97.2500						JJ (46)	355.2625	12.600	12.200	12.000	13.100	1.1
A-3 (97)	103.2500						KK (47)	361.2625	12.800	12.400	12.000	13.200	1.2
A-2 (98)	109.2750	10.20	9.80	9.60	10.50	0.9	LL (48)	367.2625	12.300	11.800	11.700	12.800	1.1
A-1 (99)	115.2750	9.90	9.50	9.40	10.20	0.8	MM (49)	373.2625	12.500	12.100	11.700	12.800	1.1
A (14)	121.2625	10.30	9.90	9.80	10.50	0.7	NN (50)	379.2625	12.400	12.000	11.900	13.000	1.1
B (15)	127.2625	10.30	9.90	9.80	10.50	0.7	OO (51)	385.2625	12.400	12.100	11.700	12.700	1
C (16)	133.2625	11.00	10.60	10.60	11.30	0.7	PP (52)	391.2625	12.200	11.900	11.700	12.800	1.1
D (17)	139.2500	10.90	10.50	10.40	11.00	0.6	QQ (53)	397.2625	12.300	11.900	11.700	12.800	1.1
E (18)	145.2500	11.30	11.00	10.90	11.60	0.7	RR (54)	403.2500	12.600	12.300	12.100	13.200	1.1
F (19)	151.3210	11.30	10.90	10.80	11.50	0.7	SS (55)	409.2500	12.300	12.100	12.100	13.200	1.1
G (20)	157.2500	11.40	11.00	11.00	11.70	0.7	TT (56)	415.2500	11.700	11.600	12.100	13.200	1.6
H (21)	163.2500	11.60	11.20	11.00	11.80	0.8	UU (57)	421.2500	11.200	10.800	11.800	12.900	2.1
I (22)	169.2500	11.50	11.00	11.00	11.70	0.7	VV (58)	427.2500	12.200	11.700	12.100	13.300	1.6
7	175.2500	11.60	11.10	10.90	11.80	0.9	WW (59)	433.2500	12.400	11.900	12.000	13.200	1.3
8	181.2500	11.30	10.90	10.60	11.60	1	XX (60)	439.2500	12.400	12.000	11.900	13.100	1.2
9	187.2500	11.20	10.80	10.60	11.50	0.9	YY (61)	445.2500	12.500	12.100	12.000	13.000	1
10	193.2500	11.00	10.70	10.50	11.40	0.9	ZZ (62)	451.2500	12.600	12.200	11.800	12.900	1.1
11	199.2500	11.00	10.50	10.50	11.40	0.9	63	457.2500	12.800	12.500	12.200	13.400	1.2
12	205.2500	10.70	10.40	10.20	10.90	0.7	64	463.2500	12.900	12.600	12.300	13.500	1.2
13	211.2500	11.20	10.80	10.70	11.40	0.7	65	469.2500	13.100	12.800	12.500	13.800	1.3
J (23)	217.2500	11.20	10.80	10.70	11.40	0.7	66	475.2500	13.100	12.800	12.500	13.700	1.2
K (24)	223.2500	10.90	10.60	10.50	11.10	0.6	67	481.2500	13.300	13.100	12.800	14.000	1.2
L (25)	229.2625	11.30	11.00	10.80	11.40	0.6	68	487.2500	13.500	13.300	13.100	14.300	1.2
M (26)	235.2625	11.20	11.20	11.10	11.60	0.5	69	493.2500	12.800	12.900	12.300	13.400	1.1
N (27)	241.2625	11.40	11.30	11.10	11.80	0.7	70	499.2500	13.300	12.800	12.800	14.000	1.2
O (28)	247.2625	11.20	10.90	10.80	11.60	0.8	71	505.2500	13.600	12.700	12.400	13.800	1.4
P (29)	253.2625	11.30	11.00	10.80	11.70	0.9	72	511.2500	13.200	12.800	12.600	14.200	1.6
Q (30)	259.2625	11.50	11.10	11.00	11.90	0.9	73	517.2500	13.100	12.600	12.400	14.000	1.6
R (31)	265.2625	11.70	11.30	11.20	12.10	0.9	74	523.2500	12.900	12.400	12.200	14.000	1.8
S (32)	271.2625	11.60	11.20	10.90	12.00	1.1	75	529.2500	13.200	12.500	12.100	14.100	2
T (33)	277.2625	11.60	11.30	11.10	12.10	1	76	535.2500	13.000	12.400	12.100	14.000	1.9
U (34)	283.2625	11.70	11.40	11.10	12.10	1	77	541.2500	13.400	12.900	12.400	14.300	1.9
V (35)	289.2625	12.10	11.70	11.50	12.50	1	78	547.2500	12.900	12.300	11.900	13.600	1.7
W (36)	295.2625	12.20	11.80	11.50	12.50	1	79	553.2500					
A (37)	301.2625	12.20	11.80	11.60	12.70	1.1	80	559.2500	12.800	12.100	11.800	13.400	1.6
B (38)	307.2625	12.40	12.40	11.70	13.00	1.3	81	565.2500					
C (39)	313.2625	12.10	11.80	11.50	12.60	1.1							

Max Non Adjacent Channel Level Diff	:- 4.5
Max Adjacent Channel Level Diff	:- 1
Max Variance from last proof of performance test	:- N/A
Date of last proof of performance test	:- N/A

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

TESTPOINT 15, PAGE 1

TIME WARNER CABLE - SYRACUSE DIVISION

System Name	:	Syracuse
System Test Point #	:	15
Hub Name	:	Davis Hub
Location	:	6705 Pickard Drive / Mattydale
Map Number	:	341-5656
Pole Number	:	Pole # 2/6
D.T. Value	:	20/2
OR Number	:	113
GNA Cascade	:	Node + 5
LE Cscade	:	1

STPOINT 15, PAGE 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	: Syracuse	**Test Location**	: 6705 Pickard Drive / Mattydale
Date	: 01/13/2005	**Time**	: 08:51:00

CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)	CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)
2	55.2500	9.00	-4.70		13.7	DD (40)	319.2625	13.00	-1.30		14.3
3	61.2500	9.80	-5.00		14.8	EE (41)	325.2625	12.80	-1.60		14.4
4	67.2500	10.10	-4.60		14.7	FF (42)	331.2750	12.90	-1.10		14
5	77.2500	10.10	-4.80		14.9	GG (43)	337.2625	12.90	-1.80		14.7
6	83.2500	10.00	-3.80		13.8	HH (44)	343.2625	12.70	-2.10		14.8
A-5 (95)	91.2500	N/A	N/A		N/A	II (45)	349.2625	11.70	-3.20		14.9
A-4 (96)	97.2500	N/A	N/A		N/A	JJ (46)	355.2625	11.80	-2.90		14.7
A-3 (97)	103.2500	N/A	N/A		N/A	KK (47)	361.2625	11.90	-2.90		14.8
A-2 (98)	109.2750	10.90	-3.50		14.4	LL (48)	367.2625	12.10	-2.80		14.9
[illegible]-1 (99)	115.2750	10.90	-4.10		15	MM (49)	373.2625	11.90	-2.80		14.7
[illegible] (14)	121.2625	10.80	-3.60		14.4	NN (50)	379.2625	11.80	-2.50		14.3
B (15)	127.2625	10.50	-4.10		14.6	OO (51)	385.2625	11.80	-3.00		14.8
C (16)	133.2625	10.20	-2.90		13.1	PP (52)	391.2625	12.10	-2.90		15
D (17)	139.2500	10.60	-2.70		13.3	QQ (53)	397.2625	11.40	-3.70		15.1
E (18)	145.2500	11.30	-3.50		14.8	RR (54)	403.2500	11.50	-3.40		14.9
F (19)	151.3210	11.70	-2.70		14.4	SS (55)	409.2500	11.20	-3.50		14.7
G (20)	157.2500	10.60	-3.00		13.6	TT (56)	415.2500	11.00	-4.10		15.1
H (21)	163.2500	12.00	-2.40		14.4	UU (57)	421.2500	10.90	-3.30		14.2
I (22)	169.2500	12.30	-1.90		14.2	VV (58)	427.2500	11.40	-2.90		14.3
7	175.2500	12.10	-2.10		14.2	WW (59)	433.2500	10.70	-3.50		14.2
8	181.2500	11.90	-2.40		14.3	XX (60)	439.2500	11.10	-3.10		14.2
9	187.2500	11.70	-2.90		14.6	YY (61)	445.2500	11.80	-3.10		14.9
10	193.2500	12.10	-2.30		14.4	ZZ (62)	451.2500	11.50	-2.60		14.1
11	199.2500	12.50	-1.40		13.9	63	457.2500	12.20	-2.00		14.2
12	205.2500	13.40	-1.10		14.5	64	463.2500	11.90	-2.00		13.9
13	211.2500	13.40	-2.90		16.3	65	469.2500	12.60	-1.50		14.1
J (23)	217.2500	12.40	-2.30		14.7	66	475.2500	12.70	-1.80		14.5
K (24)	223.2500	12.10	-2.60		14.7	67	481.2500	12.50	-2.30		14.8
L (25)	229.2625	12.10	-2.20		14.3	68	487.2500	12.60	-2.20		14.8
M (26)	235.2625	12.20	-2.60		14.8	69	493.2500	12.60	-2.30		14.9
N (27)	241.2625	12.40	-2.10		14.5	70	499.2500	12.60	-1.90		14.5
[illegible] (28)	247.2625	12.10	-2.20		14.3	71	505.2500	12.80	-2.30		15.1
[illegible] (29)	253.2625	12.00	-2.40		14.4	72	511.2500	12.10	-2.30		14.4
Q (30)	259.2625	12.50	-1.40		13.9	73	517.2500	12.30	-2.40		14.7
R (31)	265.2625	12.70	-2.00		14.7	74	523.2500	12.10	-2.60		14.7
S (32)	271.2625	12.50	-1.60		14.1	75	529.2500	12.20	-2.00		14.2
T (33)	277.2625	12.60	-1.90		14.5	76	535.2500	11.80	-2.00		13.8
U (34)	283.2625	13.10	-1.70		14.8	77	541.2500	12.50	-2.10		14.6
V (35)	289.2625	13.00	-2.10		15.1	78	547.2500	12.40	-2.60		15
W (36)	295.2625	13.00	-1.50		14.5	79	553.2500	N/A	N/A		N/A
AA (37)	301.2625	12.70	-1.50		14.2	80	559.2500	12.30	-2.20		14.5
BB (38)	307.2625	13.10	-1.50		14.6	81	565.2500	N/A	N/A		N/A
CC (39)	313.2625	12.30	-1.50		13.8						

Min Channel	:	2	9.000
Max Channel	:	12	13.400
Peak to Valley	:	4.4	

TESTPOINT 15, PAGE 3

TIME WARNER CABLE - SYRACUSE DIVISION

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

System Name : Syracuse ***Date*** : 1/18/2005

Performed By : Rodney Levesque

ation : 6705 Pickard Drive / Mattydale

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

CHANNEL NUMBER	IN CHANNEL RESPONSE	CARRIER TO NOISE RATIO	DISTORTIONS	CSO	HUM
	(+/- DB)	(DB)	(-DBC) CTB		(%)
4	0.5	48.1	66.0	77.6	
14	0.3	48.4	64.1	77.1	
20	0.4	49.2	63.1	77.3	
13	0.6	48.8	62.6	76.2	
35	0.4	47.8	61.7	71.6	
43	0.4	49.2	62.4	68.3	
49	0.4	48.6	62.1	65.1	
61	0.3	48.6	61.2	65.2	
77	0.4	49.3	63.4	67.4	0.9

TESTPOINT 15, PAGE 4

TIME WARNER CABLE - SYRACUSE DIVISION

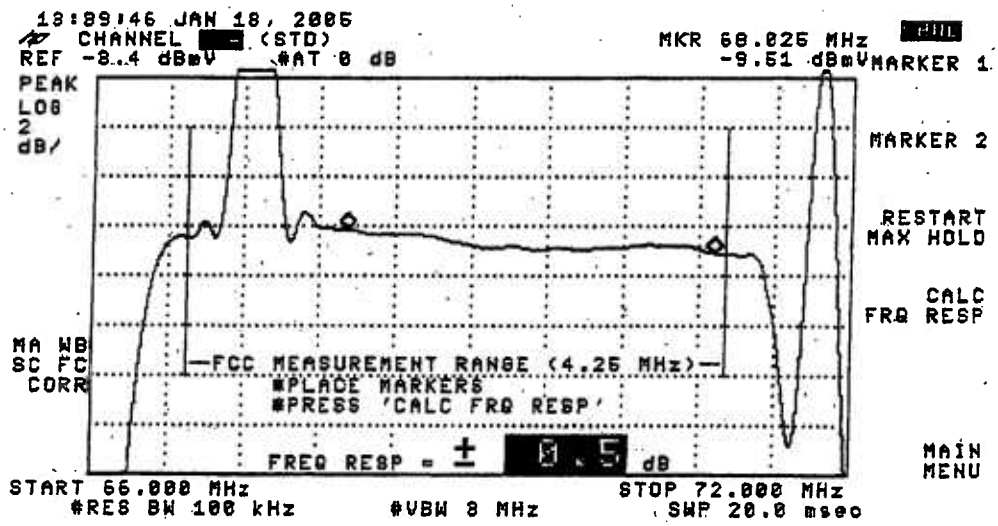
IN CHANNEL FREQUENCY RESPONSE TEST
(76.605) (a) (6)

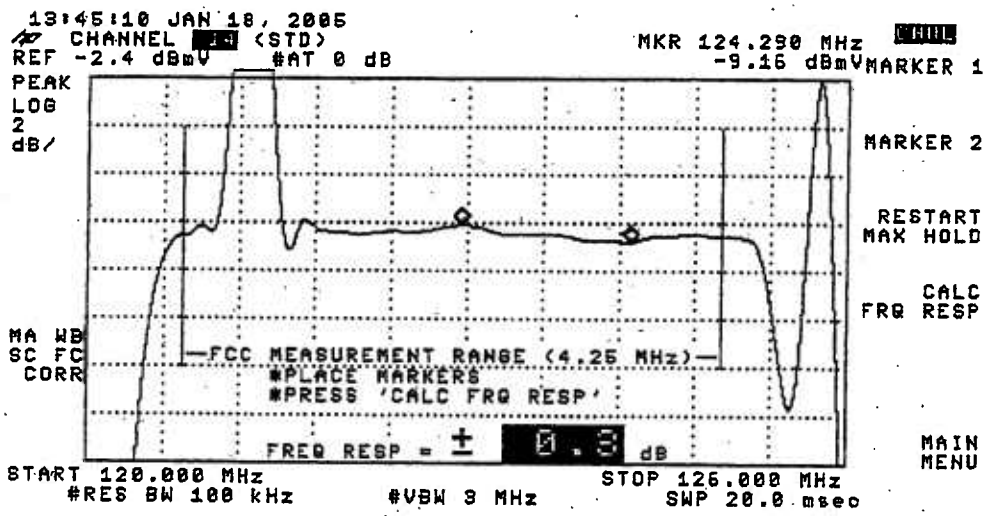
System Name : Syracuse ***Date*** : 1/18/2005

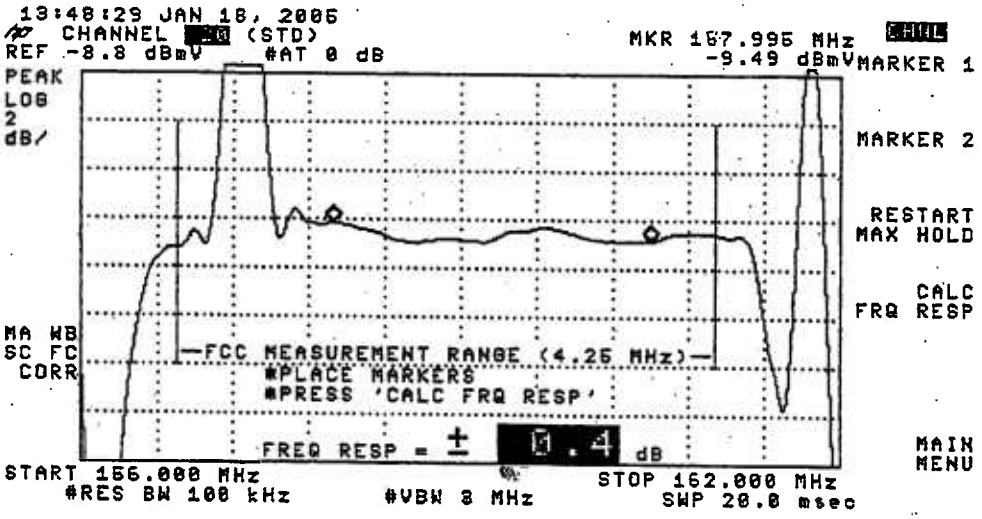
Performed By : R.Levesque

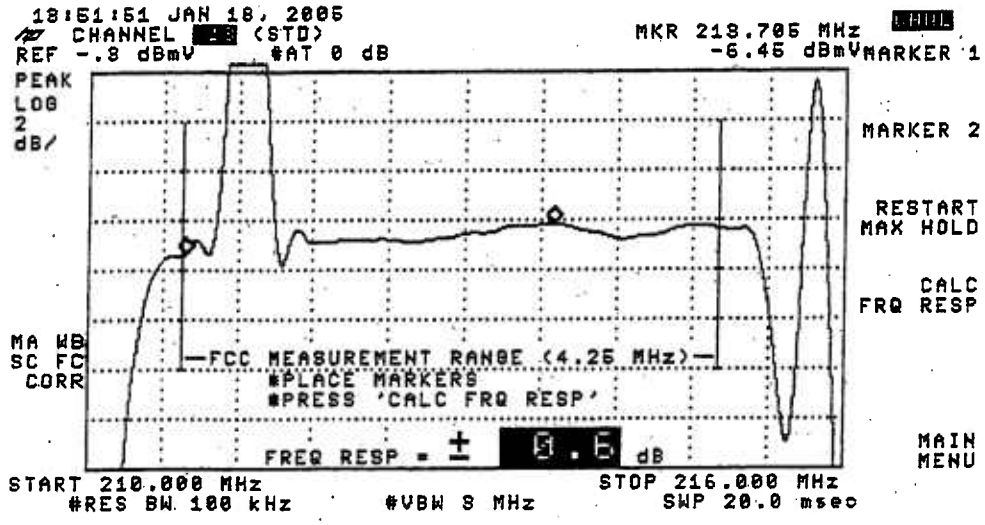
Location : 6705 Pickard Drive / Mattydale

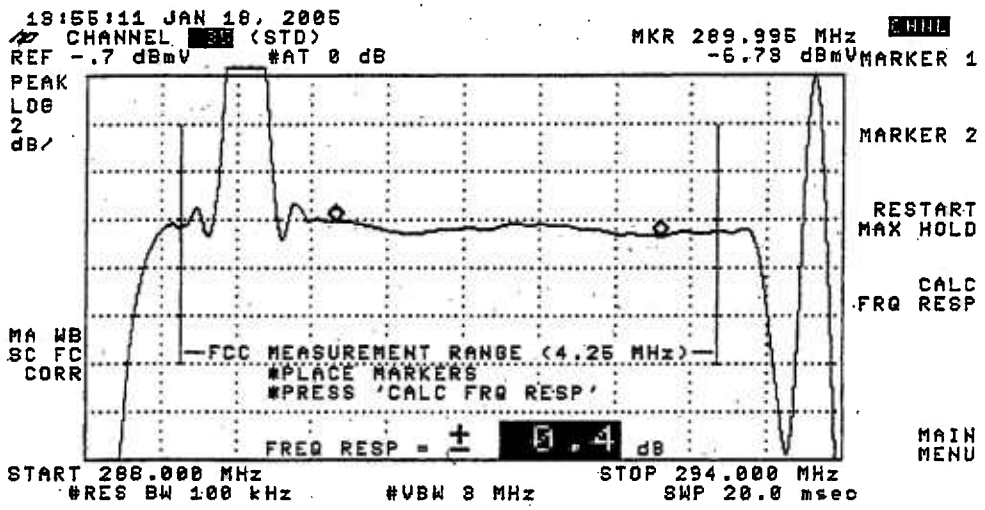
(SEE THE ATTACHED SWEEP TRACES)

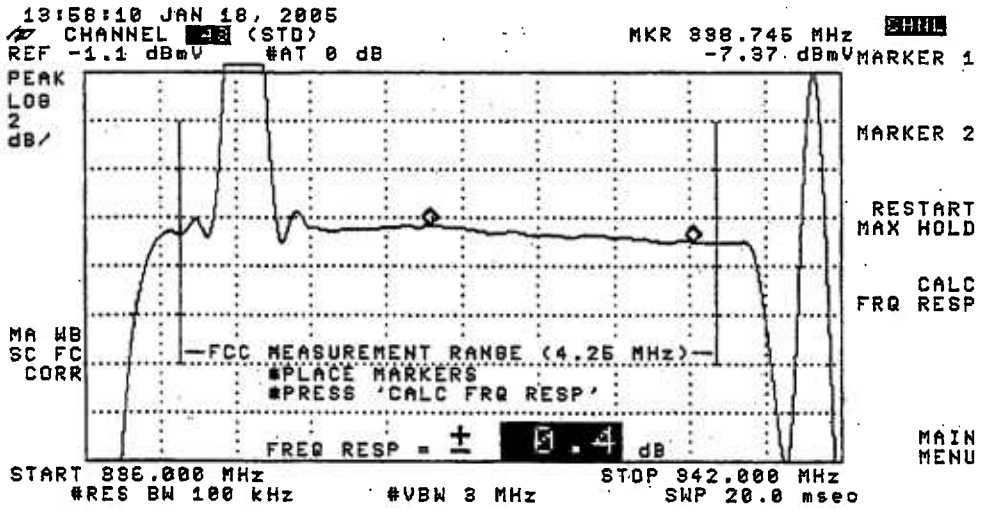

13:39:46 JAN 18, 2005
CHANNEL (STD)
REF -8.4 dBmV
#AT 0 dB
MKR 68.025 MHz
-9.51 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
START 66.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 72.000 MHz
SWP 20.0 msec

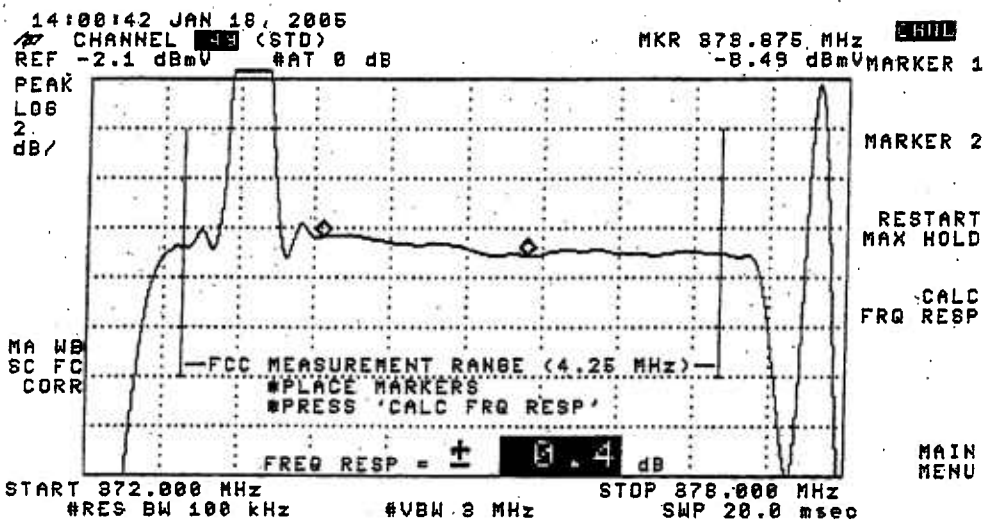

13:45:10 JAN 18, 2005
CHANNEL (STD)
REF -2.4 dBmV
#AT 0 dB
MKR 124.290 MHz
-9.16 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 120.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 126.000 MHz
SWP 20.0 msec

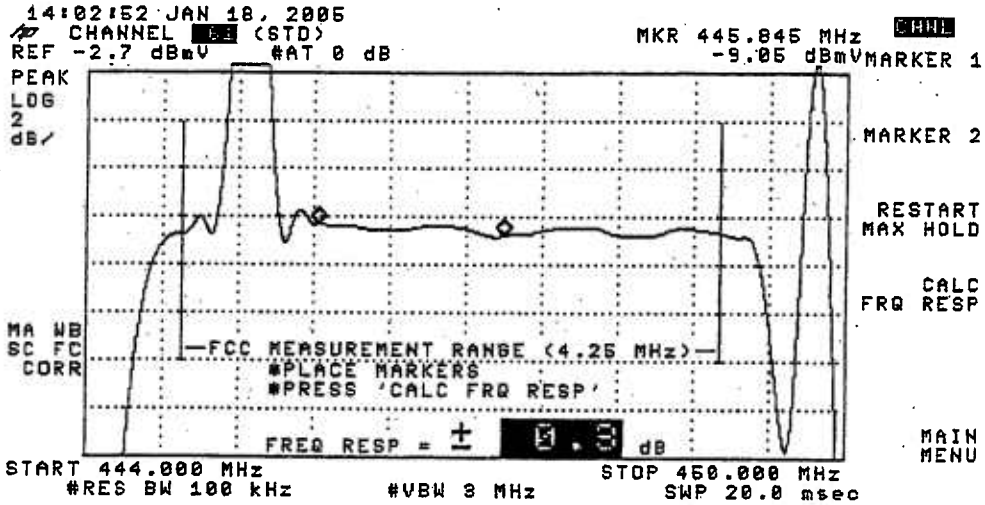

13:48:29 JAN 18, 2005
CHANNEL (STD)
REF -8.8 dBmV
#AT 0 dB
MKR 157.995 MHz
-9.49 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 156.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 162.000 MHz
SWP 20.0 msec

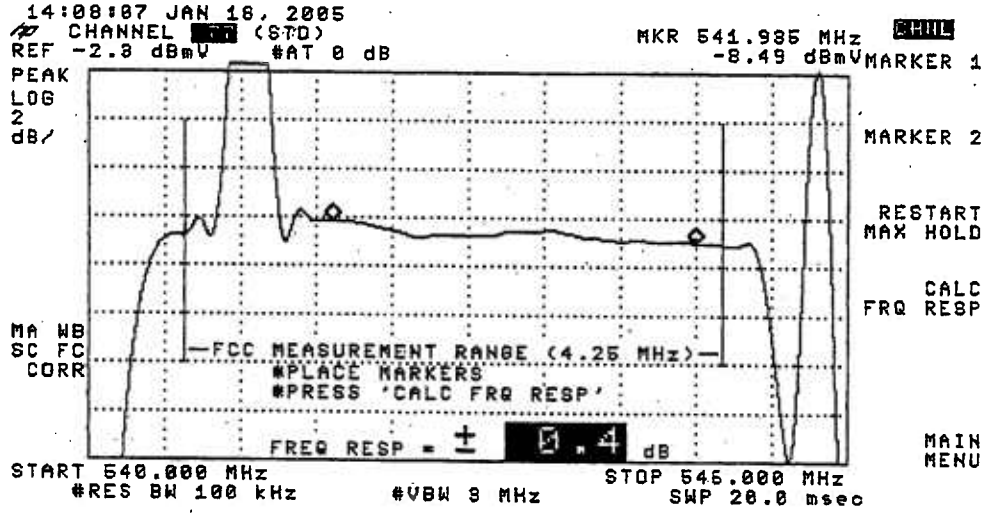

18:51:51 JAN 18, 2005
CHANNEL 23 (STD)
REF -.8 dBmV
#AT 0 dB
MKR 213.705 MHz
-6.45 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.6 dB
MAIN
MENU
START 210.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 216.000 MHz
SWP 20.0 msec

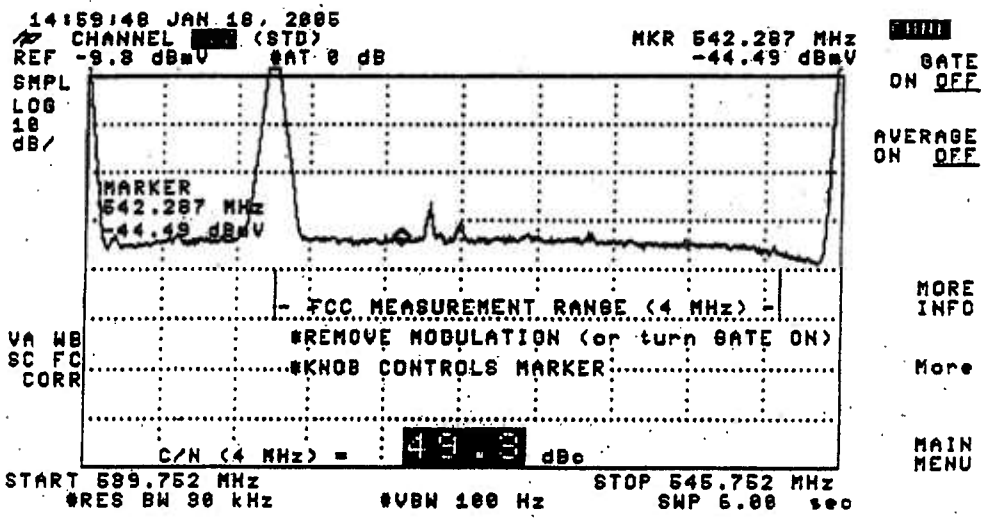

18:55:11 JAN 18, 2005
CHANNEL 35 (STD)
REF -.7 dBmV
#AT 0 dB
MKR 289.995 MHz
-6.73 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 288.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 294.000 MHz
SWP 20.0 msec

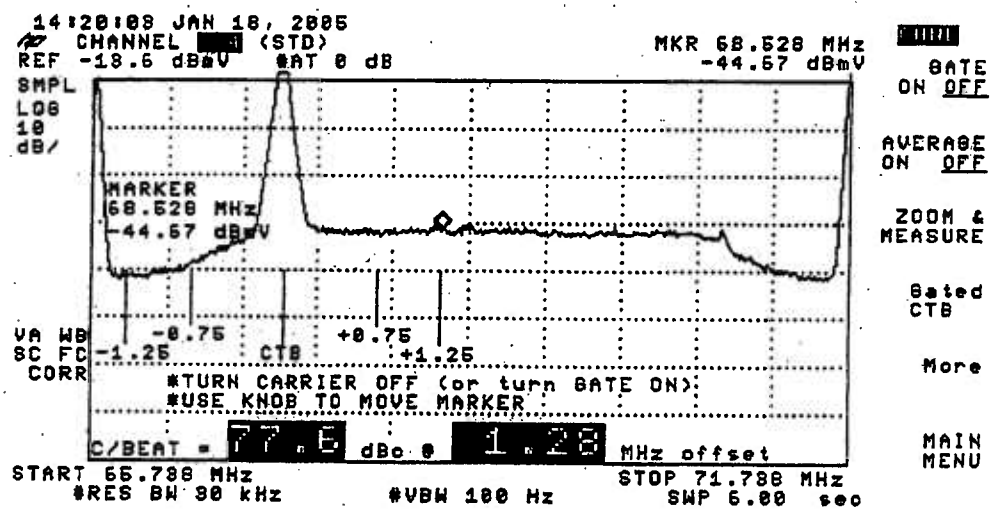

13:58:10 JAN 18, 2005
CHANNEL 48 (STD)
REF -1.1 dBmV
#AT 0 dB
MKR 938.745 MHz
-7.37 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 936.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 942.000 MHz
SWP 20.0 msec

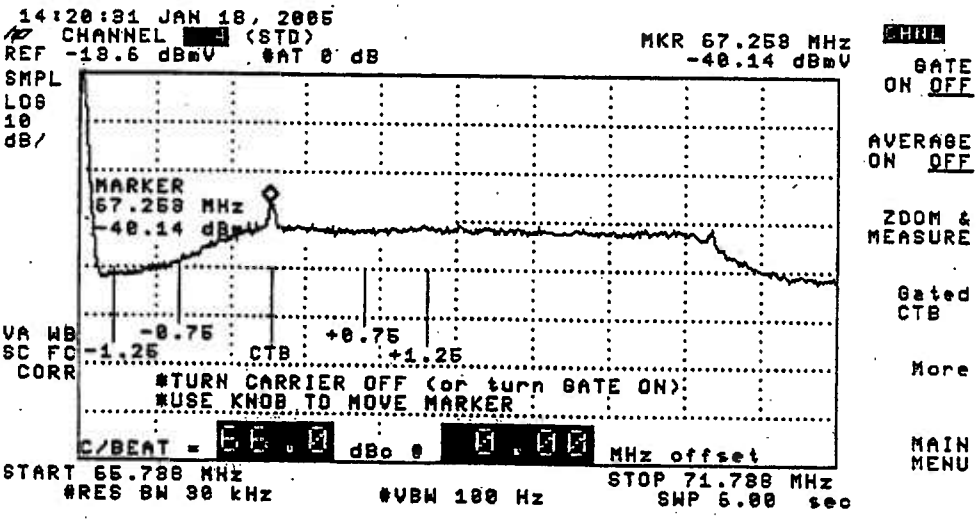

14:00:42 JAN 18, 2005
CHANNEL 49 (STD)
REF -2.1 dBmV #AT 0 dB
MKR 878.875 MHz
-8.49 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 872.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 878.000 MHz
SWP 20.0 msec

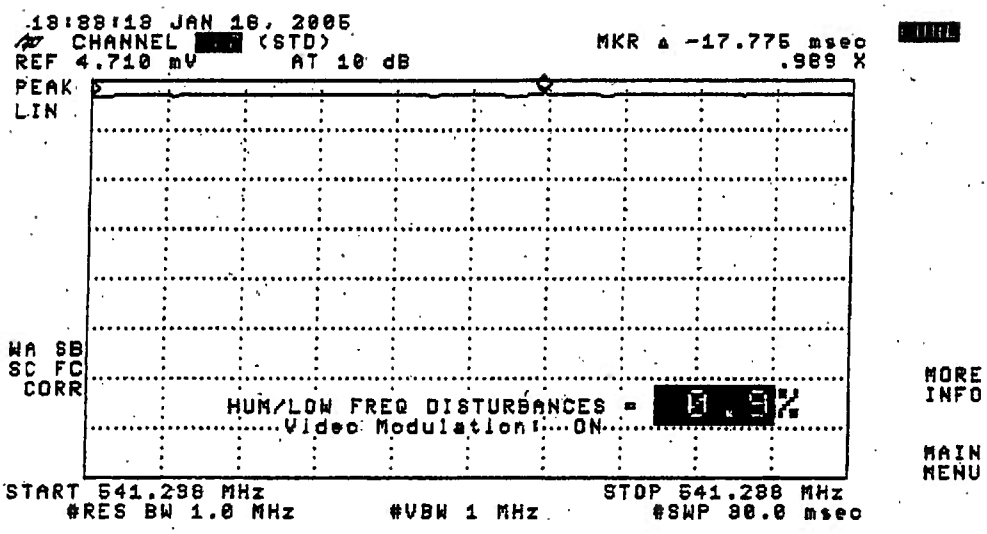

14:02:52 JAN 18, 2005
CHANNEL 63 (STD)
REF -2.7 dBmV #AT 0 dB
MKR 445.845 MHz
-9.05 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 444.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 450.000 MHz
SWP 20.0 msec


14:08:07 JAN 18, 2005
CHANNEL 90 (STD)
REF -2.8 dBmV #AT 0 dB
MKR 541.935 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 = ± 0.4 dB
MAIN
MENU
START 540.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 546.000 MHz
SWP 20.0 msec


14:59:48 JAN 18, 2005
CHANNEL (STD)
REF -9.8 dBmV
#AT 0 dB
MKR 542.287 MHz
-44.49 dBmV
SMPL
LOG
10
dB/
MARKER
542.287 MHz
-44.49 dBmV
- FCC MEASUREMENT RANGE (4 MHz) -
#REMOVE MODULATION (or turn GATE ON)
#KNOB CONTROLS MARKER
VA WB
SC FC
CORR
C/N (4 MHz) = 49.3 dBc
START 539.752 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 545.752 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
MORE
INFO
More
MAIN
MENU


14:20:08 JAN 18, 2005
CHANNEL (STD)
REF -18.6 dBmV
#AT 0 dB
MKR 68.528 MHz
-44.57 dBmV
SMPL
LOG
10
dB/
MARKER
68.528 MHz
-44.57 dBmV
-0.75
+0.75
-1.25
CTB
+1.25
VA WB
SC FC
CORR
#TURN CARRIER OFF (or turn GATE ON)
#USE KNOB TO MOVE MARKER
C/BEAT = 77.6 dBc @ 1.28 MHz offset
START 65.738 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 71.738 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
Gated
CTB
More
MAIN
MENU


14:20:31 JAN 18, 2005
CHANNEL (STD)
REF -18.6 dBmV
#AT 0 dB
MKR 67.258 MHz
-40.14 dBmV
SMPL
LOG
10
dB/
MARKER
67.258 MHz
-40.14 dBmV
-0.75
+0.75
-1.25
CTB
+1.25
VA WB
SC FC
CORR
#TURN CARRIER OFF (or turn GATE ON)
#USE KNOB TO MOVE MARKER
C/BEAT = 66.0 dBc @ 0.00 MHz offset
START 65.738 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 71.738 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
Gated
CTB
More
MAIN
MENU


13:38:18 JAN 18, 2005
CHANNEL [redacted] (STD)
REF 4.710 mV
AT 10 dB
MKR Δ -17.775 msec
.989 X
PEAK
LIN
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = [redacted]%
Video Modulation: ON
MORE INFO
MAIN MENU
START 541.288 MHz
#RES BW 1.0 MHz
#VBW 1 MHz
STOP 541.288 MHz
#SWP 30.0 msec

ESTPOINT 15, PAGE 5

TIME WARNER CABLE - SYRACUSE DIVISION

VISUAL CARRIER LEVEL VARIATION TEST

System Name	: Syracuse	**Test Location**	: 6705 Pickard Drive / Mattydale
Date	: 01/13/2005	**Performed By**	: Jim Woods
Meter Serial Number	: 221999		

		TEMP F							TEMP F				
		51.00	56.00	64.00	37.00				51.00	56.00	64.00	37.00	
		TIME							TIME				
		08:51:00	15:01:00	21:00:00	03:00:00				08:51:00	15:01:00	21:00:00	03:00:00	
CHAN	FREQ (MHZ)	VISUAL LEVEL (DBMV)				MAX VAR	CHAN	FREQ (MHZ)	VISUAL LEVEL (DBMV)				MAX VAR
2	55.2500	9.00	8.60	8.40	9.50	1.1	DD (40)	319.2625	13.000	12.700	12.400	12.700	0.6
3	61.2500	9.80	9.40	9.20	10.20	1	EE (41)	325.2625	12.800	12.600	12.400	12.600	0.4
4	67.2500	10.10	9.70	9.50	10.40	0.9	FF (42)	331.2750	12.900	12.800	12.500	12.800	0.4
5	77.2500	10.10	9.70	9.50	10.50	1	GG (43)	337.2625	12.900	12.800	12.700	13.100	0.4
6	83.2500	10.00	9.70	9.60	10.60	1	HH (44)	343.2625	12.700	12.500	12.500	12.900	0.4
A-5 (95)	91.2500						II (45)	349.2625	11.700	11.600	11.400	11.800	0.4
A-4 (96)	97.2500						JJ (46)	355.2625	11.800	11.600	11.600	12.100	0.5
A-3 (97)	103.2500						KK (47)	361.2625	11.900	11.700	11.500	12.000	0.5
A-2 (98)	109.2750	10.90	10.50	10.40	11.10	0.7	LL (48)	367.2625	12.100	11.800	11.600	12.100	0.5
A-1 (99)	115.2750	10.90	10.60	10.40	11.30	0.9	MM (49)	373.2625	11.900	11.700	11.500	12.000	0.5
A (14)	121.2625	10.80	10.60	10.40	11.30	0.9	NN (50)	379.2625	11.800	11.500	11.500	11.900	0.4
B (15)	127.2625	10.50	10.10	10.00	10.80	0.8	OO (51)	385.2625	11.800	11.600	11.400	11.900	0.5
C (16)	133.2625	10.20	9.70	9.30	10.60	1.3	PP (52)	391.2625	12.100	11.800	11.700	12.200	0.5
D (17)	139.2500	10.60	10.30	10.00	10.80	0.8	QQ (53)	397.2625	11.400	11.100	11.100	11.500	0.4
E (18)	145.2500	11.30	11.00	10.80	11.70	0.9	RR (54)	403.2500	11.500	11.300	11.000	11.600	0.6
F (19)	151.3210	11.70	11.70	11.50	12.10	0.6	SS (55)	409.2500	11.200	11.000	10.800	11.200	0.4
G (20)	157.2500	10.60	11.10	11.10	11.50	0.9	TT (56)	415.2500	11.000	10.800	10.600	11.100	0.5
H (21)	163.2500	12.00	12.20	11.90	12.10	0.3	UU (57)	421.2500	10.900	10.600	10.600	10.900	0.3
I (22)	169.2500	12.30	12.10	11.90	12.20	0.4	VV (58)	427.2500	11.400	11.100	10.900	11.100	0.5
7	175.2500	12.10	11.90	11.50	12.10	0.6	WW (59)	433.2500	10.700	10.500	10.500	10.700	0.2
8	181.2500	11.90	11.80	11.50	12.10	0.6	XX (60)	439.2500	11.100	10.800	10.500	10.900	0.6
9	187.2500	11.70	11.30	11.10	11.90	0.8	YY (61)	445.2500	11.800	11.400	11.300	11.700	0.5
10	193.2500	12.10	11.90	11.70	12.40	0.7	ZZ (62)	451.2500	11.500	11.100	11.000	11.500	0.5
11	199.2500	12.50	12.20	12.20	12.80	0.6	63	457.2500	12.200	11.900	11.800	12.300	0.5
12	205.2500	13.40	13.20	12.90	13.40	0.5	64	463.2500	11.900	11.600	11.300	11.800	0.6
13	211.2500	13.40	13.30	12.90	13.80	0.9	65	469.2500	12.600	12.300	12.200	12.700	0.5
J (23)	217.2500	12.40	12.30	12.00	12.80	0.8	66	475.2500	12.700	12.400	12.300	12.600	0.4
K (24)	223.2500	12.10	11.90	11.70	12.10	0.4	67	481.2500	12.500	12.300	12.000	12.500	0.5
L (25)	229.2625	12.10	12.00	11.20	12.40	1.2	68	487.2500	12.600	12.400	12.300	12.800	0.5
M (26)	235.2625	12.20	12.20	12.00	12.60	0.6	69	493.2500	12.600	12.400	12.100	12.500	0.5
N (27)	241.2625	12.40	12.10	12.10	12.70	0.6	70	499.2500	12.600	12.400	12.200	12.700	0.5
O (28)	247.2625	12.10	11.60	11.90	12.50	0.9	71	505.2500	12.800	12.100	11.800	12.300	1
P (29)	253.2625	12.00	11.60	11.80	12.40	0.8	72	511.2500	12.100	11.800	11.700	12.200	0.5
Q (30)	259.2625	12.50	12.20	12.20	12.70	0.5	73	517.2500	12.300	11.900	11.700	12.200	0.6
R (31)	265.2625	12.70	12.60	12.40	12.90	0.5	74	523.2500	12.100	11.900	11.700	12.300	0.6
S (32)	271.2625	12.50	12.40	12.10	12.50	0.4	75	529.2500	12.200	11.900	11.700	12.200	0.5
T (33)	277.2625	12.60	12.50	12.30	12.70	0.4	76	535.2500	11.800	11.500	11.500	11.900	0.4
U (34)	283.2625	13.10	12.90	12.70	13.00	0.4	77	541.2500	12.500	12.300	11.800	12.400	0.7
V (35)	289.2625	13.00	12.90	12.80	13.10	0.3	78	547.2500	12.400	12.100	11.800	12.300	0.6
W (36)	295.2625	13.00	12.90	12.70	13.10	0.4	79	553.2500					
AA (37)	301.2625	12.70	12.60	12.50	13.00	0.5	80	559.2500	12.300	11.900	11.700	12.300	0.6
BB (38)	307.2625	13.10	12.80	12.80	13.10	0.3	81	565.2500					
CC (39)	313.2625	12.30	12.10	12.00	12.50	0.5							

Max Non Adjacent Channel Level Diff	:- 4.7
Max Adjacent Channel Level Diff	:- 1.4
Max Variance from last proof of performance test	:- N/A
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	:	Syracuse
System Test Point #	:	16
Hub Name	:	Davis Hub
Location	:	406 Fletcher Drive / North Syracuse
Map Number	:	332-5666
Pole Number	:	Pole # 15
D.T. Value	:	17/4
OR Number	:	134
GNA Cascade	:	Node + 3
LE Cscade	:	1

STPOINT 16, PAGE 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	: Syracuse	**Test Location**	: 406 Fletcher Drive / North Syracuse
Date	: 01/13/2005	**Time**	: 09:20:00

CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)	CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)
2	55.2500	13.10	-1.30		14.4	DD (40)	319.2625	13.60	-0.90		14.5
3	61.2500	13.60	-1.80		15.4	EE (41)	325.2625	13.50	-1.20		14.7
4	67.2500	13.40	-2.00		15.4	FF (42)	331.2750	13.50	-1.00		14.5
5	77.2500	13.30	-2.00		15.3	GG (43)	337.2625	13.10	-1.40		14.5
6	83.2500	13.00	-1.40		14.4	HH (44)	343.2625	13.30	-1.60		14.9
A-5 (95)	91.2500	N/A	N/A		N/A	II (45)	349.2625	13.00	-2.30		15.3
A-4 (96)	97.2500	N/A	N/A		N/A	JJ (46)	355.2625	12.80	-2.80		15.6
[illegible] (97)	103.2500	N/A	N/A		N/A	KK (47)	361.2625	12.30	-2.90		15.2
[illegible] (98)	109.2750	13.10	-1.40		14.5	LL (48)	367.2625	12.00	-2.60		14.6
[illegible] (99)	115.2750	12.10	-2.00		14.1	MM (49)	373.2625	12.30	-2.60		14.9
A (14)	121.2625	12.40	-1.10		13.5	NN (50)	379.2625	12.40	-1.80		14.2
B (15)	127.2625	12.70	-1.30		14	OO (51)	385.2625	12.10	-1.70		13.8
C (16)	133.2625	13.30	-0.20		13.5	PP (52)	391.2625	12.40	-1.60		14
D (17)	139.2500	13.50	0.10		13.4	QQ (53)	397.2625	12.70	-2.10		14.8
E (18)	145.2500	13.80	-0.30		14.1	RR (54)	403.2500	12.80	-1.70		14.5
F (19)	151.3210	14.00	0.50		13.5	SS (55)	409.2500	12.80	-1.70		14.5
G (20)	157.2500	13.60	-0.30		13.9	TT (56)	415.2500	12.70	-2.00		14.7
H (21)	163.2500	14.20	-0.60		14.8	UU (57)	421.2500	13.10	-1.20		14.3
I (22)	169.2500	13.60	-0.70		14.3	VV (58)	427.2500	13.50	-0.60		14.1
7	175.2500	14.00	-0.40		14.4	WW (59)	433.2500	13.30	-1.20		14.5
8	181.2500	14.20	-0.70		14.9	XX (60)	439.2500	13.50	-0.80		14.3
9	187.2500	13.60	-1.70		15.3	YY (61)	445.2500	13.80	-0.90		14.7
10	193.2500	13.70	-1.00		14.7	ZZ (62)	451.2500	13.80	-0.30		14.1
11	199.2500	13.40	-1.00		14.4	63	457.2500	13.90	0.10		13.8
12	205.2500	13.40	-1.90		15.3	64	463.2500	14.20	0.10		14.1
13	211.2500	13.50	-2.10		15.6	65	469.2500	14.20	0.10		14.1
J (23)	217.2500	13.30	-1.50		14.8	66	475.2500	14.40	-0.40		14.8
K (24)	223.2500	13.30	-1.60		14.9	67	481.2500	14.60	-0.70		15.3
L (25)	229.2625	13.50	-1.10		14.6	68	487.2500	14.60	-0.20		14.8
[illegible] (26)	235.2625	13.20	-1.50		14.7	69	493.2500	13.10	-0.80		13.9
[illegible] (27)	241.2625	13.00	-1.40		14.4	70	499.2500	14.00	-0.30		14.3
[illegible] (28)	247.2625	12.90	-1.30		14.2	71	505.2500	13.90	-0.60		14.5
P (29)	253.2625	12.70	-1.50		14.2	72	511.2500	14.00	-0.80		14.8
Q (30)	259.2625	13.00	-0.70		13.7	73	517.2500	13.60	-0.90		14.5
R (31)	265.2625	12.90	-1.30		14.2	74	523.2500	13.50	-1.00		14.5
S (32)	271.2625	12.60	-1.60		14.2	75	529.2500	13.90	-0.40		14.3
T (33)	277.2625	12.70	-1.60		14.3	76	535.2500	13.30	-0.40		13.7
U (34)	283.2625	12.90	-1.80		14.7	77	541.2500	13.80	-0.60		14.4
V (35)	289.2625	13.20	-2.30		15.5	78	547.2500	13.30	-1.60		14.9
W (36)	295.2625	12.80	-1.20		14	79	553.2500	N/A	N/A		N/A
AA (37)	301.2625	13.40	-1.00		14.4	80	559.2500	12.80	-1.40		14.2
BB (38)	307.2625	13.20	-1.10		14.3	81	565.2500	N/A	N/A		N/A
CC (39)	313.2625	12.70	-0.20		12.9						

Min Channel	:	LL(48)	12.000
Max Channel	:	67	14.600
Peak to Valley	:	2.6	

TESTPOINT 16, PAGE 3

TIME WARNER CABLE - SYRACUSE DIVISION

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

System Name : Syracuse ***Date*** : 1/24/2005

Performed By : Jeremy Bellinger

Location : 406 Fletcher Drive / North Syracuse

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

CHANNEL NUMBER	IN CHANNEL RESPONSE	CARRIER TO NOISE RATIO	DISTORTIONS	CSO	HUM
	(+/- DB)	(DB)	(-DBC) CTB		(%)
4	0.6	49.8	66.8	76.7	0.5
14	0.3	49.0	63.8	76.1	
20	0.3	49.5	64.1	77.4	
13	0.3	50.0	63.2	76.3	
35	0.4	49.6	63.0	71.6	
43	0.3	49.3	63.6	70.7	
49	0.3	49.0	62.7	68.0	
60	0.2	48.9	63.0	67.6	
77	0.5	49.9	64.7	67.5	

TIME WARNER CABLE - SYRACUSE DIVISION

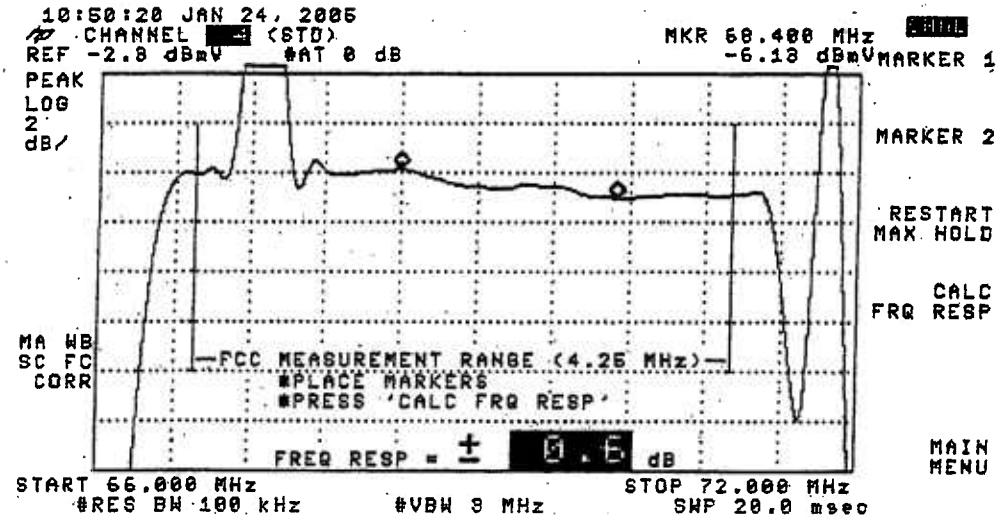
IN CHANNEL FREQUENCY RESPONSE TEST
(76.605) (a) (6)

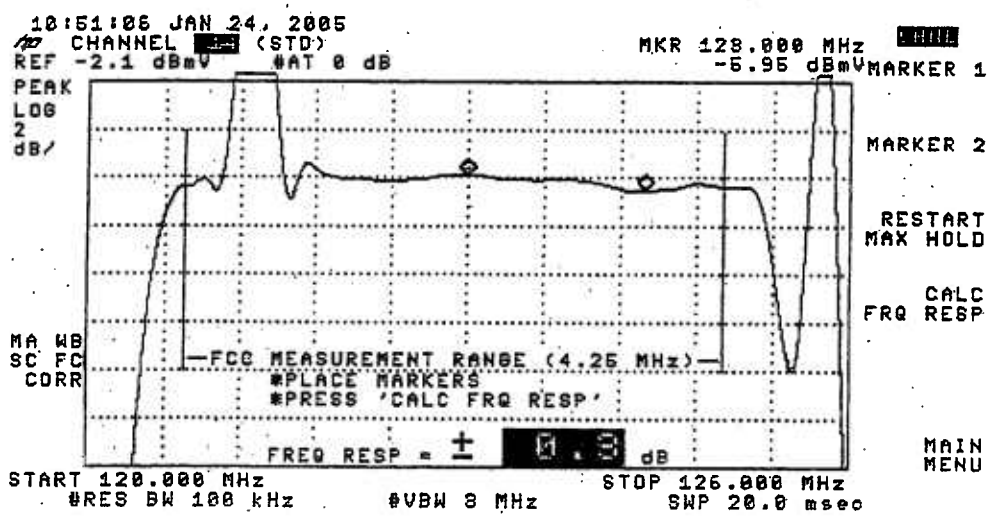
System Name : Syracuse ***Date*** : 01/24/2005

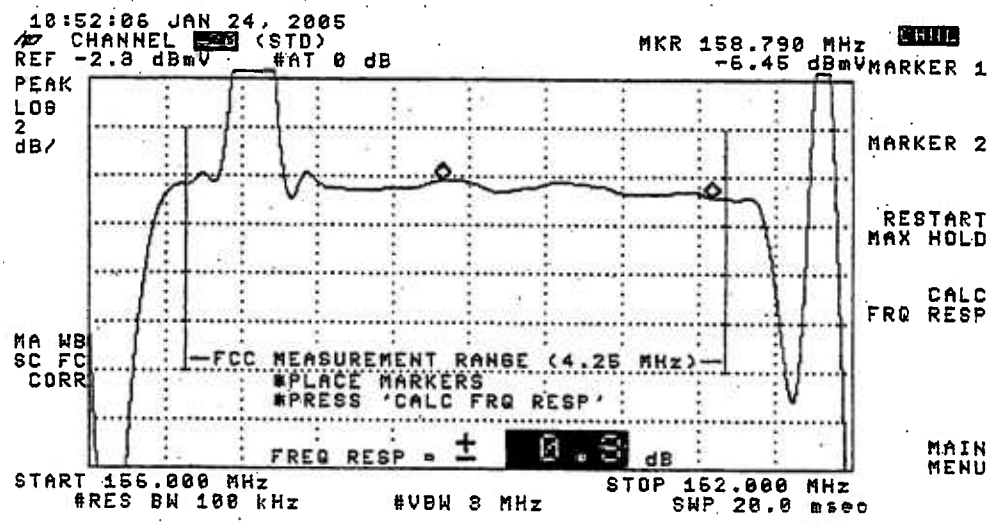
Performed By : Jeremy Bellinger

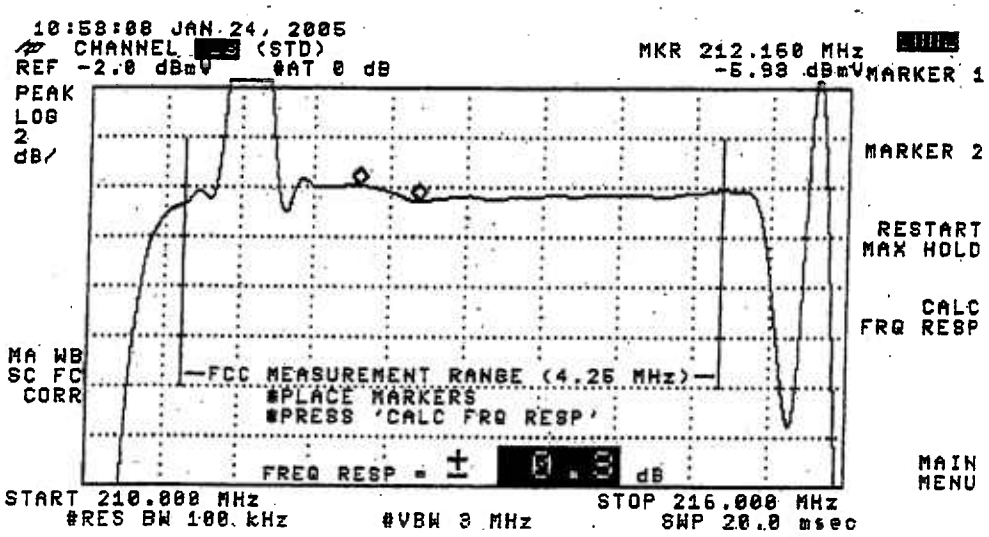
Location : 406 Fletcher Drive / North Syracuse

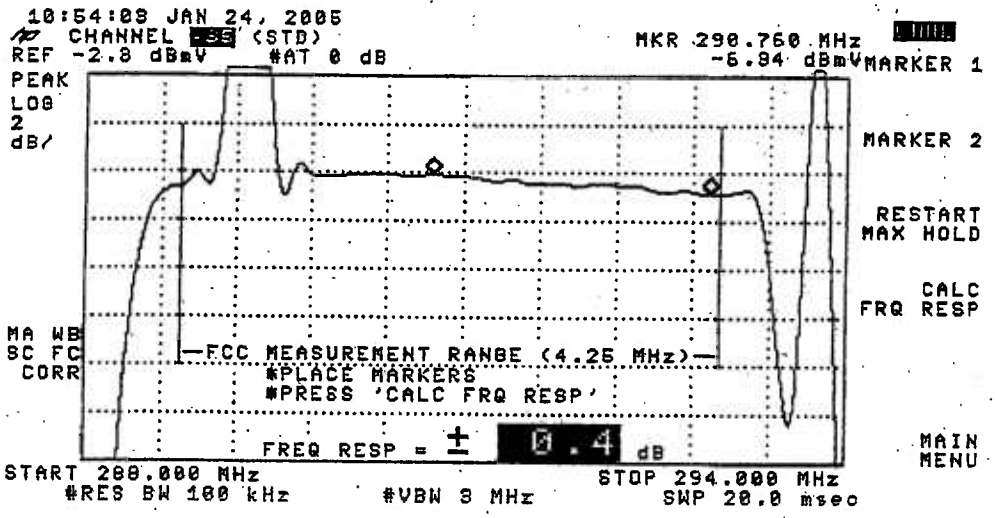
(SEE THE ATTACHED SWEEP TRACES)

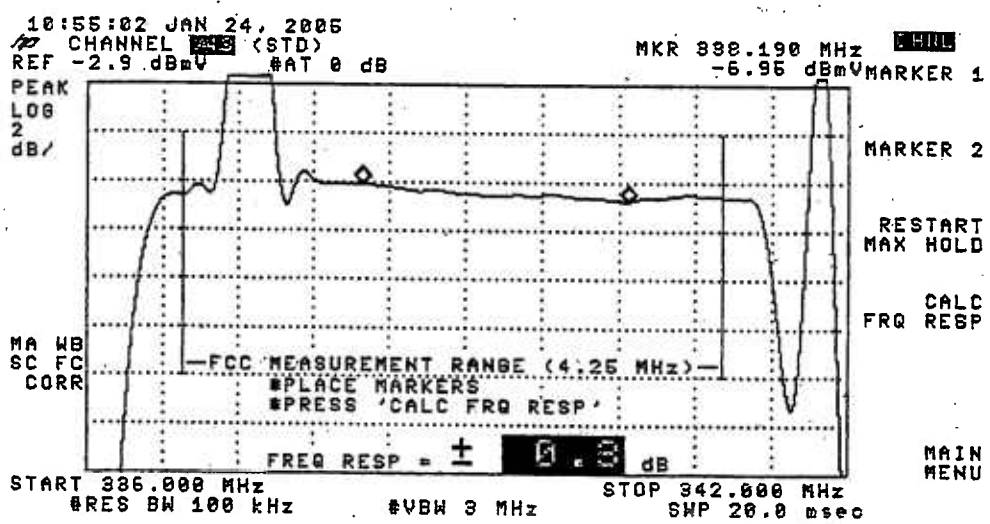

10:50:20 JAN 24, 2005
CHANNEL (STD)
REF -2.8 dBmV
#AT 0 dB
MKR 68.400 MHz
-6.13 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.6 dB
MAIN
MENU
START 66.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 72.000 MHz
SWP 20.0 msec

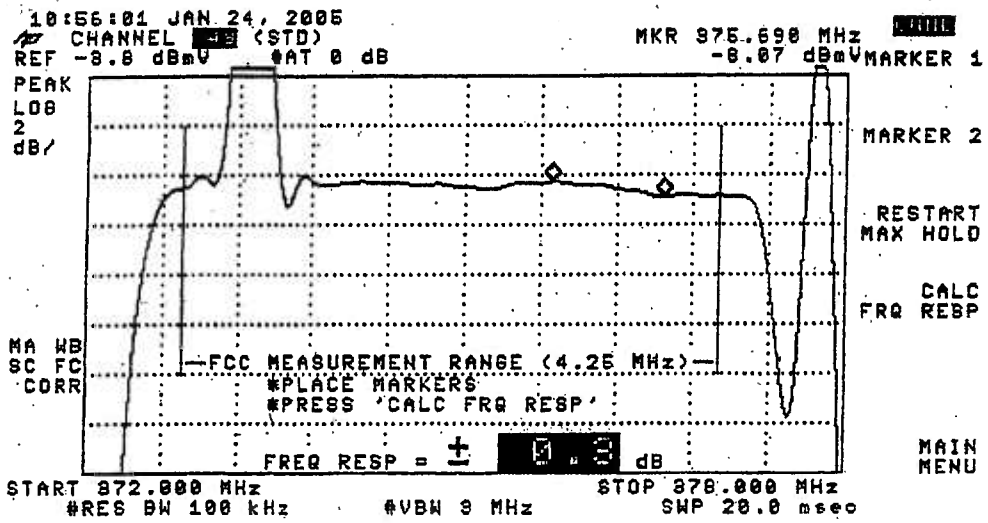

10:51:06 JAN 24, 2005
CHANNEL (STD)
REF -2.1 dBmV
#AT 0 dB
MKR 123.000 MHz
-5.95 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 120.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 126.000 MHz
SWP 20.0 msec

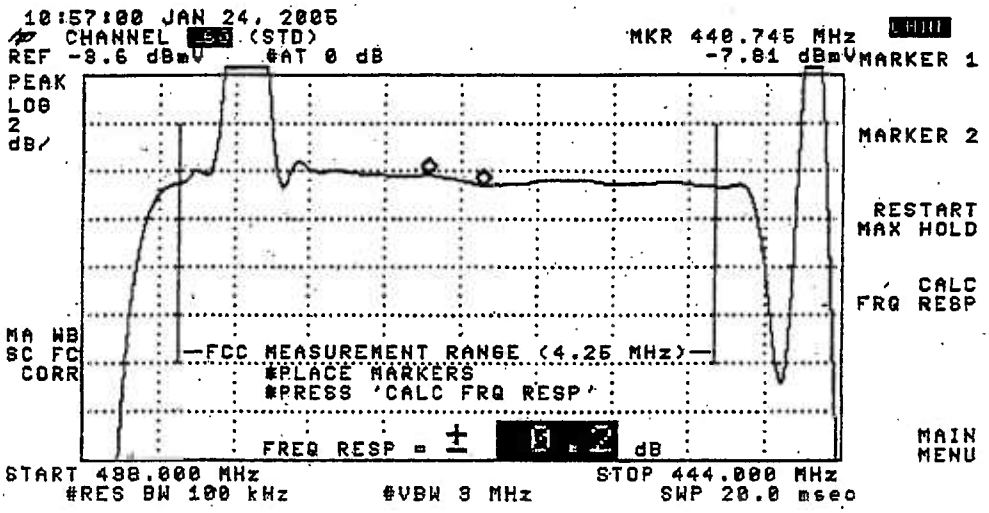

10:52:06 JAN 24, 2005
CHANNEL (STD)
REF -2.3 dBmV
#AT 0 dB
MKR 158.790 MHz
-6.45 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 156.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 162.000 MHz
SWP 20.0 msec

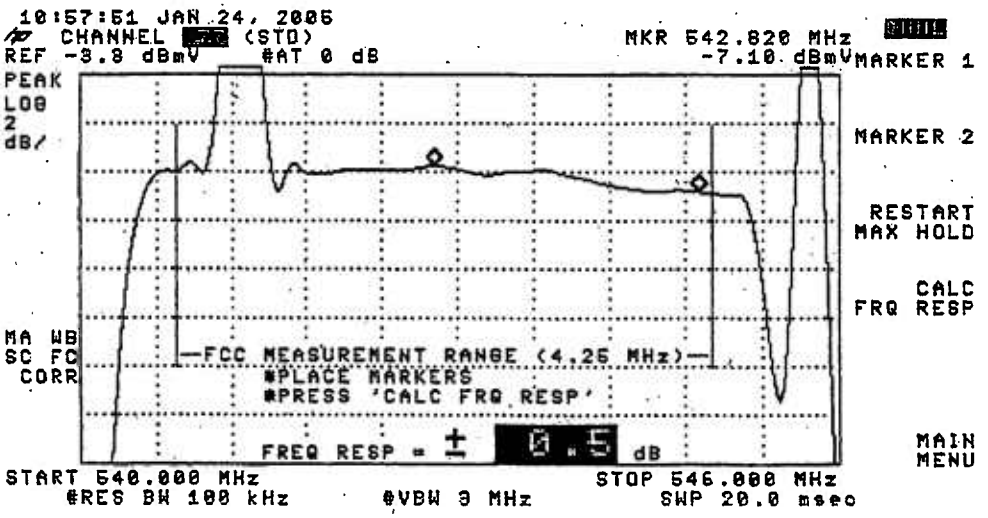

10:53:08 JAN 24, 2005
CHANNEL (STD)
REF -2.0 dBmV
#AT 0 dB
MKR 212.160 MHz
-5.93 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 210.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 216.000 MHz
SWP 20.0 msec

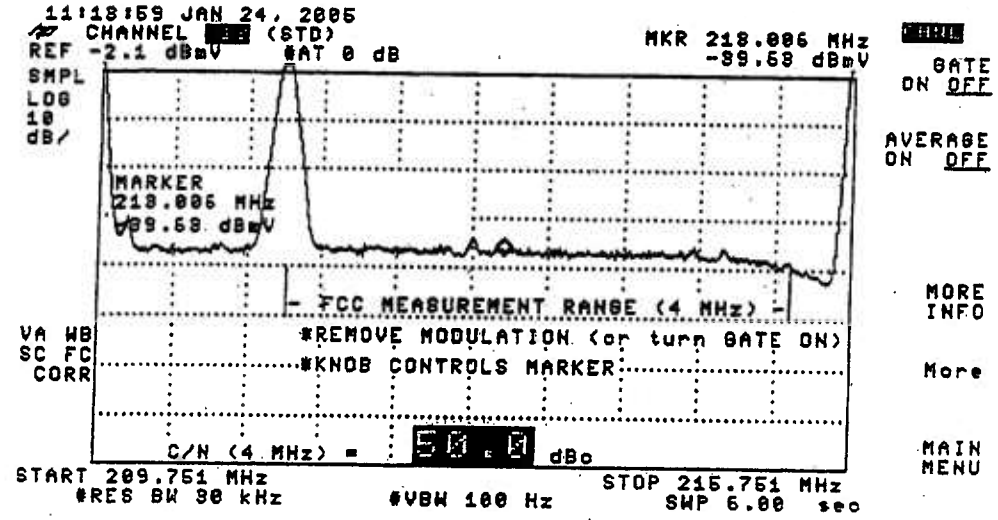

10:54:03 JAN 24, 2005
CHANNEL (STD)
REF -2.8 dBmV
#AT 0 dB
MKR 290.760 MHz
-5.94 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 288.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 294.000 MHz
SWP 20.0 msec

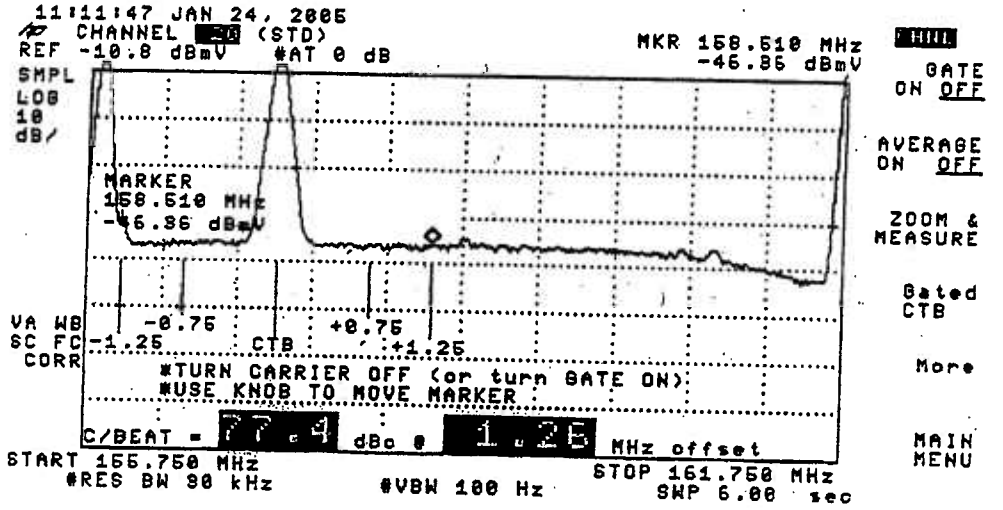

10:55:02 JAN 24, 2005
CHANNEL (STD)
REF -2.9 dBmV
#AT 0 dB
MKR 338.190 MHz
-6.96 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 336.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 342.000 MHz
SWP 20.0 msec

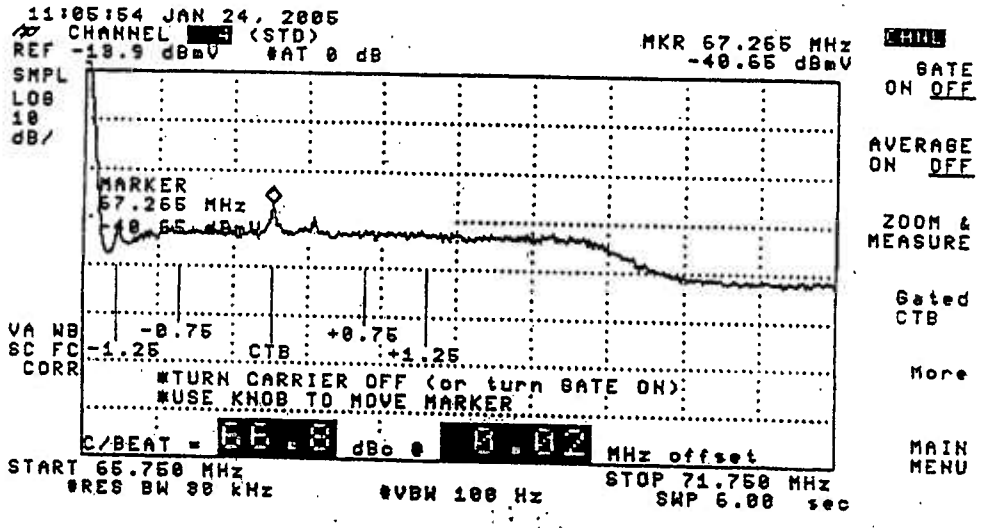

10:56:01 JAN 24, 2005
CHANNEL (STD)
REF -8.8 dBmV
#AT 0 dB
MKR 975.690 MHz
-8.07 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 872.000 MHz
STOP 878.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec

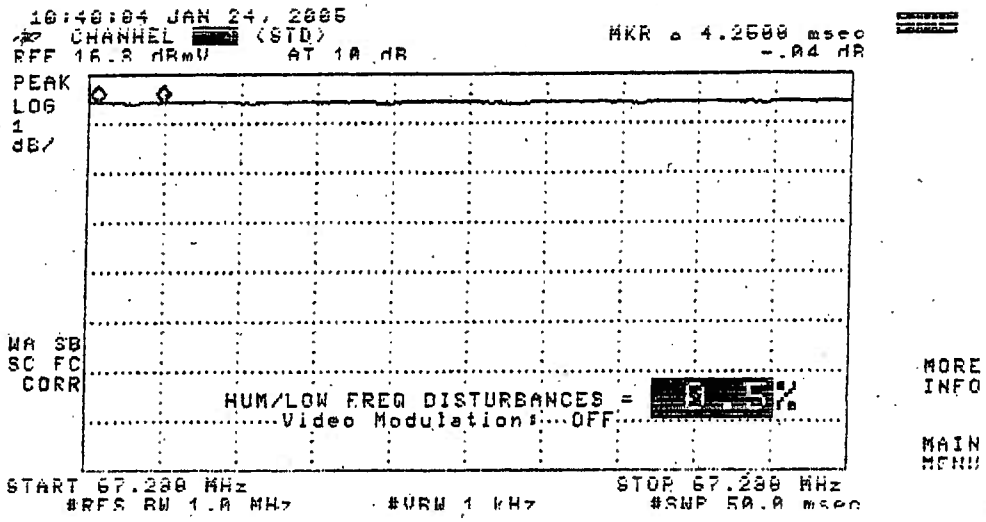

10:57:00 JAN 24, 2005
CHANNEL (STD)
REF -8.6 dBmV
#AT 0 dB
MKR 440.745 MHz
-7.81 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 438.000 MHz
STOP 444.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec


10:57:51 JAN 24, 2005
CHANNEL (STD)
REF -8.8 dBmV
#AT 0 dB
MKR 542.820 MHz
-7.10 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 = ± 0.5 dB
MAIN
MENU
START 540.000 MHz
STOP 546.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec


11:18:59 JAN 24, 2005
CHANNEL (STD)
REF -2.1 dBmV
#AT 0 dB
MKR 218.006 MHz
-89.68 dBmV
SMPL
LOG
10
dB/
MARKER
218.006 MHz
-89.68 dBmV
- FCC MEASUREMENT RANGE (4 MHz) -
VA WB
SC FC
CORR
*REMOVE MODULATION (or turn GATE ON)
*KNOB CONTROLS MARKER
C/N (4 MHz) = 50.0 dBc
START 209.751 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 215.751 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
MORE
INFO
More
MAIN
MENU


11:11:47 JAN 24, 2005
CHANNEL (STD)
REF -10.8 dBmV
#AT 0 dB
MKR 158.510 MHz
-46.86 dBmV
SMPL
LOG
10
dB/
MARKER
158.510 MHz
-46.86 dBmV
-0.75
+0.75
-1.25
CTB
+1.25
VA WB
SC FC
CORR
*TURN CARRIER OFF (or turn GATE ON)
*USE KNOB TO MOVE MARKER
C/BEAT = 77.4 dBc @ 1.25 MHz offset
START 155.750 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 161.750 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
Gated
CTB
More
MAIN
MENU


11:05:54 JAN 24, 2005
CHANNEL (STD)
REF -13.9 dBmV
#AT 0 dB
MKR 67.265 MHz
-40.65 dBmV
SMPL
LOG
10
dB/
MARKER
67.265 MHz
-40.65 dBmV
-0.75
+0.75
-1.25
CTB
+1.25
VA WB
SC FC
CORR
*TURN CARRIER OFF (or turn GATE ON)
*USE KNOB TO MOVE MARKER
C/BEAT = 66.8 dBc @ 0.02 MHz offset
START 65.750 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 71.750 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
Gated
CTB
More
MAIN
MENU


10:40:04 JAN 24, 2005
CHANNEL [redacted] (STD)
MKR Δ 4.2500 msec
REF 16.8 dBmV AT 10 dB
-.04 dB
PEAK
LOG
1
dB/
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = [redacted]%
Video Modulation: OFF
MORE
INFO
MAIN
MENU
START 67.250 MHz
STOP 67.250 MHz
#RES BW 1.0 MHz
#VBW 1 kHz
#SWP 50.0 msec

:STPOINT 16, PAGE 5

TIME WARNER CABLE - SYRACUSE DIVISION

VISUAL CARRIER LEVEL VARIATION TEST

System Name	: Syracuse	***Test Location***	: 406 Fletcher Drive / North Syracuse
Date	: 01/13/2005	***Performed By***	: Jim Woods
Meter Serial Number	: 221999		

		TEMP F				
		51.00	56.00	64.00	35.00	
		TIME				
		09:20:00	15:30:00	21:30:00	03:30:00	
CHAN	FREQ (MHZ)	VISUAL LEVEL (DBMV)				MAX VAR
2	55.2500	13.10	13.10	13.00	13.50	0.5
3	61.2500	13.60	13.70	13.40	13.80	0.4
4	67.2500	13.40	13.30	13.20	13.50	0.3
5	77.2500	13.30	13.30	13.10	13.00	0.3
6	83.2500	13.00	13.00	12.80	12.90	0.2
A-5 (95)	91.2500					
A-4 (96)	97.2500					
A-3 (97)	103.2500					
A-	109.2750	13.10	13.00	12.70	13.50	0.8
A	115.2750	12.10	12.00	11.90	13.10	1.2
A	121.2625	12.40	12.40	12.20	13.30	1.1
B (15)	127.2625	12.70	13.20	12.70	13.60	0.9
C (16)	133.2625	13.30	13.40	13.00	13.90	0.9
D (17)	139.2500	13.50	13.40	12.90	13.90	1
E (18)	145.2500	13.80	13.70	13.30	14.10	0.8
F (19)	151.3210	14.00	13.90	13.60	14.30	0.7
G (20)	157.2500	13.60	13.40	13.20	13.90	0.7
H (21)	163.2500	14.20	14.00	13.80	14.60	0.8
I (22)	169.2500	13.60	13.40	13.40	13.90	0.5
7	175.2500	14.00	13.90	13.50	14.30	0.8
8	181.2500	14.20	14.00	13.70	14.50	0.8
9	187.2500	13.60	13.50	13.30	14.10	0.8
10	193.2500	13.70	13.40	13.30	14.10	0.8
11	199.2500	13.40	13.20	13.10	13.90	0.8
12	205.2500	13.40	13.20	13.00	13.80	0.8
13	211.2500	13.50	13.30	13.00	13.90	0.9
J (23)	217.2500	13.30	13.20	12.90	13.70	0.8
K (24)	223.2500	13.30	13.00	12.90	13.70	0.8
L (25)	229.2625	13.50	13.30	13.00	13.90	0.9
M (26)	235.2625	13.20	13.10	13.10	13.60	0.5
N (27)	241.2625	13.00	12.80	12.70	13.50	0.8
O (28)	247.2625	12.90	12.70	12.60	13.50	0.9
P (29)	253.2625	12.70	12.50	12.30	13.20	0.9
Q (30)	259.2625	13.00	12.60	12.60	13.50	0.9
R (31)	265.2625	12.90	12.70	12.70	13.50	0.8
S (32)	271.2625	12.60	12.40	12.20	13.10	0.9
T (33)	277.2625	12.70	12.40	12.30	13.30	1
U (34)	283.2625	12.90	12.70	12.60	13.50	0.9
V (35)	289.2625	13.20	13.00	13.00	14.00	1
W (36)	295.2625	12.80	12.90	12.70	13.60	0.9
AA (37)	301.2625	13.40	12.60	12.50	13.80	1.3
BB (38)	307.2625	13.20	13.00	13.00	13.90	0.9
CC (39)	313.2625	12.70	12.70	12.60	13.70	1.1

		TEMP F				
		51.00	56.00	64.00	35.00	
		TIME				
		09:20:00	15:30:00	21:30:00	03:30:00	
CHAN	FREQ (MHZ)	VISUAL LEVEL (DBMV)				MAX VAR
DD (40)	319.2625	13.600	13.100	12.500	13.500	1.1
EE (41)	325.2625	13.500	13.300	13.100	14.300	1.2
FF (42)	331.2750	13.500	13.200	13.100	14.200	1.1
GG (43)	337.2625	13.100	12.900	12.600	13.700	1.1
HH (44)	343.2625	13.300	13.000	12.900	13.900	1
II (45)	349.2625	13.000	12.800	12.600	13.500	0.9
JJ (46)	355.2625	12.800	12.600	12.300	13.400	1.1
KK (47)	361.2625	12.300	12.100	11.800	12.600	0.8
LL (48)	367.2625	12.000	11.800	11.500	12.300	0.8
MM (49)	373.2625	12.300	12.100	11.700	12.700	1
NN (50)	379.2625	12.400	12.100	11.800	12.900	1.1
OO (51)	385.2625	12.100	11.900	11.500	12.500	1
PP (52)	391.2625	12.400	12.100	11.800	12.900	1.1
QQ (53)	397.2625	12.700	12.400	12.100	13.100	1
RR (54)	403.2500	12.800	12.500	12.100	13.200	1.1
SS (55)	409.2500	12.800	12.500	12.300	13.300	1
TT (56)	415.2500	12.700	12.400	12.000	13.100	1.1
UU (57)	421.2500	13.100	12.800	12.500	13.600	1.1
VV (58)	427.2500	13.500	13.100	12.800	13.900	1.1
WW (59)	433.2500	13.300	13.100	12.800	13.900	1.1
XX (60)	439.2500	13.500	13.200	12.700	13.800	1.1
YY (61)	445.2500	13.800	13.500	13.100	14.200	1.1
ZZ (62)	451.2500	13.800	13.500	13.100	14.200	1.1
63	457.2500	13.900	13.600	13.300	14.300	1
64	463.2500	14.200	13.900	13.400	14.600	1.2
65	469.2500	14.200	14.100	13.700	14.800	1.1
66	475.2500	14.400	14.100	14.000	15.200	1.2
67	481.2500	14.600	14.400	14.100	15.300	1.2
68	487.2500	14.600	14.300	13.900	15.200	1.3
69	493.2500	13.100	14.000	13.600	14.900	1.8
70	499.2500	14.000	13.900	13.500	14.700	1.2
71	505.2500	13.900	13.400	12.800	14.000	1.2
72	511.2500	14.000	13.600	13.300	14.500	1.2
73	517.2500	13.600	13.300	12.800	14.000	1.2
74	523.2500	13.500	13.400	13.000	14.000	1
75	529.2500	13.900	13.500	12.900	14.100	1.2
76	535.2500	13.300	13.200	12.800	13.900	1.1
77	541.2500	13.800	13.600	13.000	14.100	1.1
78	547.2500	13.300	13.100	12.500	13.700	1.2
79	553.2500					
80	559.2500	12.800	12.500	12.000	13.200	1.2
81	565.2500					

Max Non Adjacent Channel Level Diff	:- 3
Max Adjacent Channel Level Diff	:- 1.5
Max Variance from last proof of performance test	:- N/A
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	:	Syracuse
System Test Point #	:	17
Hub Name	:	Liverpool Hub
Location	:	237 Patricia Drive / Liverpool
Map Number	:	326-5656
Pole Number	:	Pole # 15/15
D.T. Value	:	11/4
OR Number	:	28
GNA Cascade	:	Node + 4
LE Cscade	:	0

STPOINT 17, PAGE 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 : Syracuse **Test Location** : 237 Patricia Drive / Liverpool
Date : 01/13/2005 **Time** : 09:52:00

CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)	CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)
2	55.2500	15.30	1.20		14.1	DD (40)	319.2625	13.60	-0.80		14.4
3	61.2500	15.70	0.70		15	EE (41)	325.2625	13.20	-1.00		14.2
4	67.2500	15.30	0.10		15.2	FF (42)	331.2750	13.60	-0.50		14.1
5	77.2500	14.40	-0.50		14.9	GG (43)	337.2625	13.80	-0.60		14.4
6	83.2500	14.50	0.70		13.8	HH (44)	343.2625	14.00	-0.20		14.2
A-5 (95)	91.2500	N/A	N/A		N/A	II (45)	349.2625	14.00	-0.70		14.7
A-4 (96)	97.2500	N/A	N/A		N/A	JJ (46)	355.2625	14.40	-0.80		15.2
A-3 (97)	103.2500	N/A	N/A		N/A	KK (47)	361.2625	14.20	-0.40		14.6
A-2 (98)	109.2750	15.40	2.10		13.3	LL (48)	367.2625	13.90	-0.70		14.6
A-1 (99)	115.2750	16.20	1.40		14.8	MM (49)	373.2625	13.90	-1.00		14.9
A (14)	121.2625	16.10	2.00		14.1	NN (50)	379.2625	14.10	-0.30		14.4
B (15)	127.2625	16.20	2.10		14.1	OO (51)	385.2625	14.30	-0.60		14.9
C (16)	133.2625	16.60	2.60		14	PP (52)	391.2625	14.30	0.20		14.1
D (17)	139.2500	16.80	3.00		13.8	QQ (53)	397.2625	14.20	-0.10		14.3
E (18)	145.2500	17.20	2.50		14.7	RR (54)	403.2500	14.30	-0.20		14.5
F (19)	151.3210	17.40	3.30		14.1	SS (55)	409.2500	14.20	-0.50		14.7
G (20)	157.2500	16.90	2.50		14.4	TT (56)	415.2500	14.00	-1.50		15.5
H (21)	163.2500	17.40	2.60		14.8	UU (57)	421.2500	14.00	-1.10		15.1
I (22)	169.2500	17.20	2.40		14.8	VV (58)	427.2500	13.50	-1.20		14.7
7	175.2500	17.00	2.30		14.7	WW (59)	433.2500	12.90	-2.00		14.9
8	181.2500	16.00	2.40		13.6	XX (60)	439.2500	12.20	-1.60		13.8
9	187.2500	16.10	1.30		14.8	YY (61)	445.2500	12.60	-2.00		14.6
10	193.2500	16.70	1.60		15.1	ZZ (62)	451.2500	12.80	-1.80		14.6
11	199.2500	16.70	2.00		14.7	63	457.2500	12.80	-1.60		14.4
12	205.2500	16.60	2.40		14.2	64	463.2500	13.10	-1.20		14.3
13	211.2500	16.50	1.30		15.2	65	469.2500	12.80	-1.20		14
J (23)	217.2500	16.10	2.10		14	66	475.2500	12.90	-1.40		14.3
K (24)	223.2500	15.80	1.30		14.5	67	481.2500	13.50	-1.30		14.8
L (25)	229.2625	16.20	1.50		14.7	68	487.2500	13.60	-1.00		14.6
M (26)	235.2625	16.20	1.30		14.9	69	493.2500	14.40	-0.20		14.6
N (27)	241.2625	15.90	1.10		14.8	70	499.2500	14.50	0.70		13.8
O (28)	247.2625	15.50	1.40		14.1	71	505.2500	14.50	0.10		14.4
[illegible]	253.2625	15.10	0.70		14.4	72	511.2500	14.90	0.40		14.5
[illegible]	259.2625	14.90	1.00		13.9	73	517.2500	14.50	-0.10		14.6
R (31)	265.2625	15.00	0		15	74	523.2500	14.60	-0.50		15.1
S (32)	271.2625	14.50	-0.30		14.8	75	529.2500	14.20	-0.10		14.3
T (33)	277.2625	13.90	-0.60		14.5	76	535.2500	14.00	-0.40		14.4
U (34)	283.2625	14.10	-0.60		14.7	77	541.2500	14.00	-0.10		14.1
V (35)	289.2625	13.80	-1.30		15.1	78	547.2500	13.70	-0.90		14.6
W (36)	295.2625	13.50	-1.20		14.7	79	553.2500	N/A	N/A		N/A
AA (37)	301.2625	13.70	-1.10		14.8	80	559.2500	14.00	0.20		13.8
BB (38)	307.2625	13.50	-1.10		14.6	81	565.2500	N/A	N/A		N/A
CC (39)	313.2625	13.50	-0.50		14						

Min Channel	:	XX(60)	12.200
Max Channel	:	F(19)	17.400
Peak to Valley	:	5.2	

TESTPOINT 17, PAGE 3

TIME WARNER CABLE - SYRACUSE DIVISION

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

System Name : Syracuse ***Date*** : 1/18/2005

Performed By : Rodney Levesque

Location : 237 Patricia Drive / Liverpool

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

CHANNEL NUMBER	IN CHANNEL RESPONSE	CARRIER TO NOISE RATIO	DISTORTIONS	CSO	HUM
	(+/- DB)	(DB)	(-DBC) CTB		(%)
4	0.8	47.2	65.9	76.7	
14	0.6	47.5	65.3	73.3	
20	0.5	48.6	67.4	77.4	
13	0.3	48.1	66.6	74.2	
35	0.6	48.5	66.7	69.9	
43	0.4	48.5	64.9	69.8	
49	0.5	47.8	64.3	69.5	
60	0.4	46.7	65.6	67.3	
77	0.7	47.4	66.1	65.5	0.9

TIME WARNER CABLE - SYRACUSE DIVISION

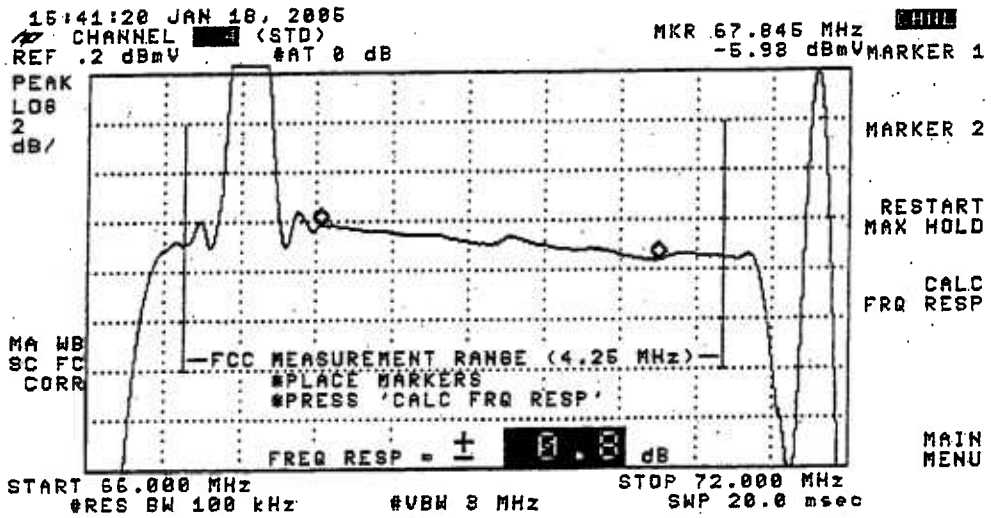
IN CHANNEL FREQUENCY RESPONSE TEST
(76.605) (a) (6)

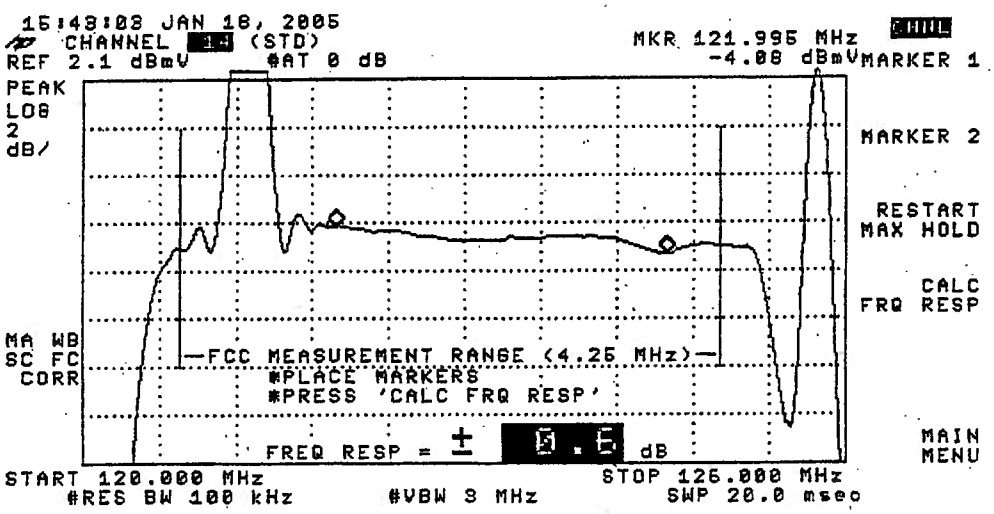
System Name : Syracuse ***Date*** : 01/18/2005

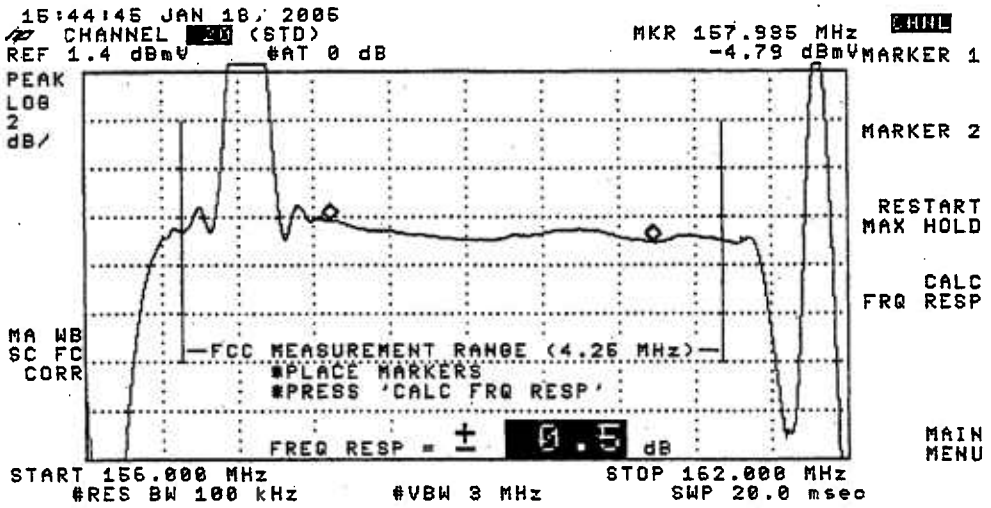
Performed By : Rodney Levesque

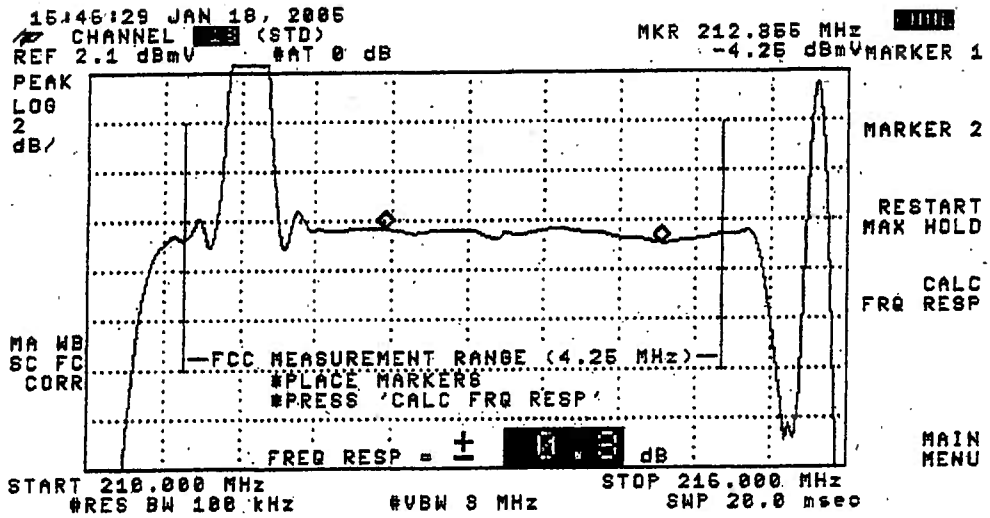
Location : 237 Patricia Drive / Liverpool

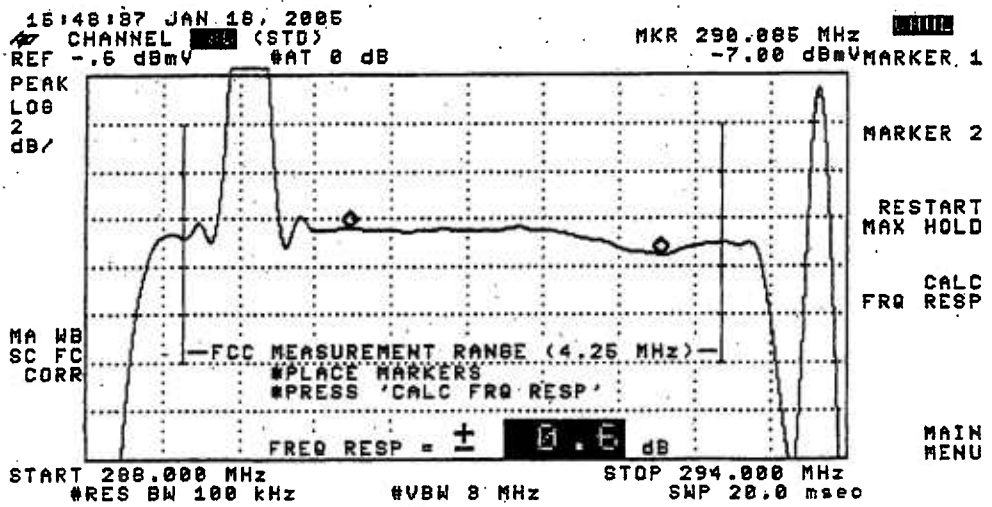
(SEE THE ATTACHED SWEEP TRACES)

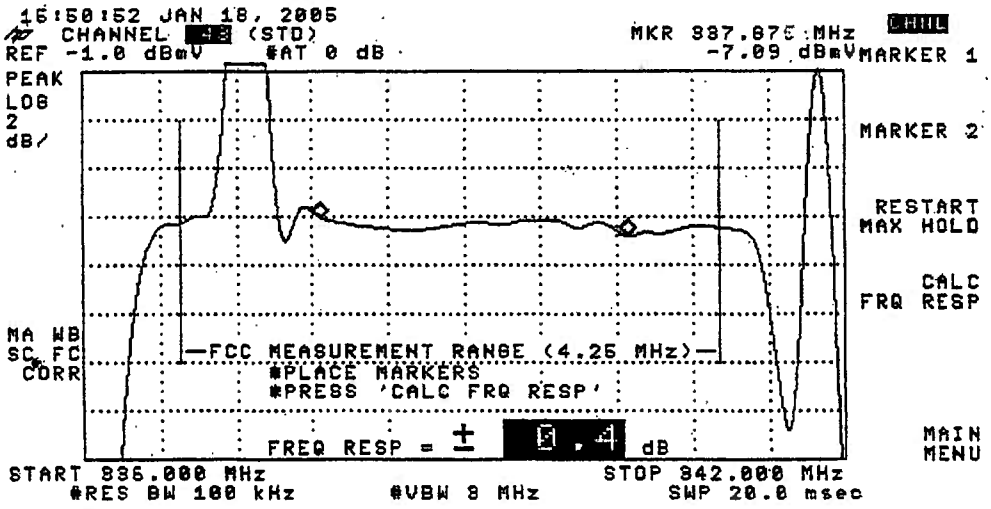

15:41:20 JAN 18, 2005
CHANNEL (STD)
REF .2 dBmV
#AT 0 dB
MKR 67.845 MHz
-5.98 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.8 dB
MAIN
MENU
START 56.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 72.000 MHz
SWP 20.0 msec

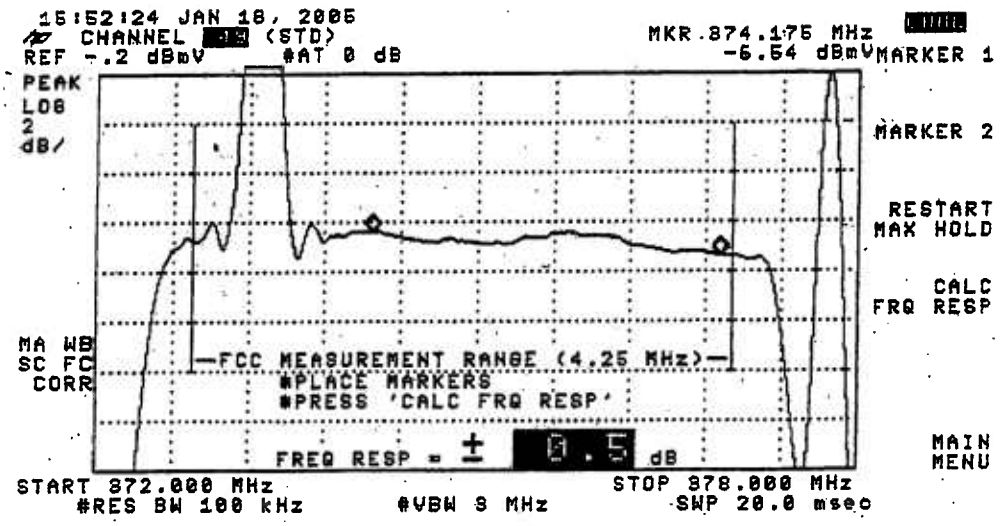

15:48:08 JAN 18, 2005
CHANNEL (STD)
REF 2.1 dBmV
#AT 0 dB
MKR 121.995 MHz
-4.08 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.6 dB
MAIN
MENU
START 120.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 126.000 MHz
SWP 20.0 msec

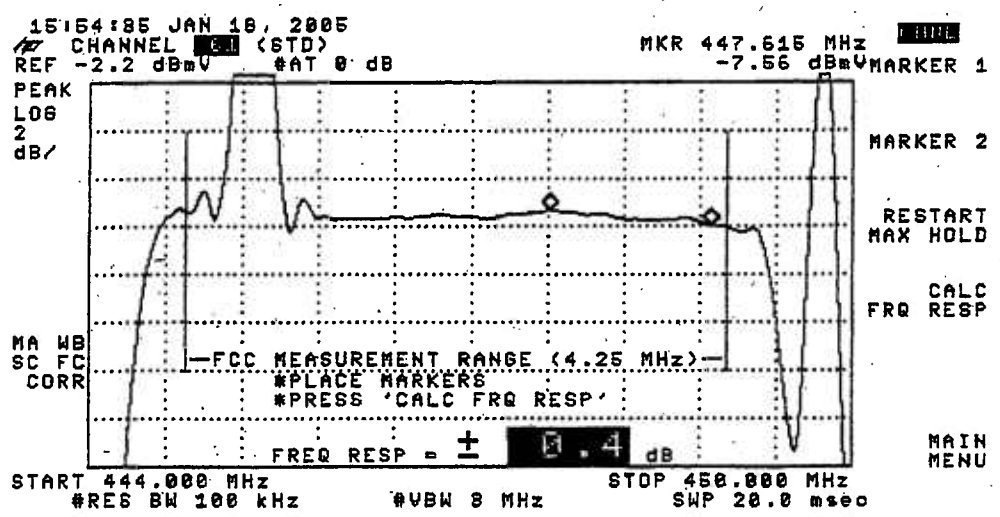

15:44:45 JAN 18, 2005
CHANNEL (STD)
REF 1.4 dBmV
#AT 0 dB
MKR 157.995 MHz
-4.79 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
START 156.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 162.000 MHz
SWP 20.0 msec

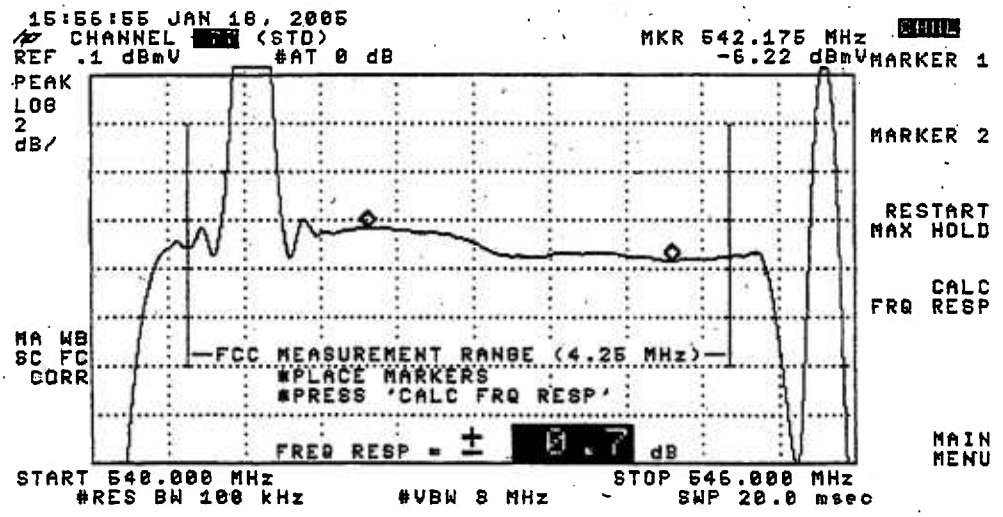

15:46:29 JAN 18, 2005
CHANNEL (STD)
REF 2.1 dBmV
#AT 0 dB
MKR 212.855 MHz
-4.25 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 210.000 MHz
#RES BW 100 kHz
#VBW 8 MHz
STOP 216.000 MHz
SWP 20.0 msec

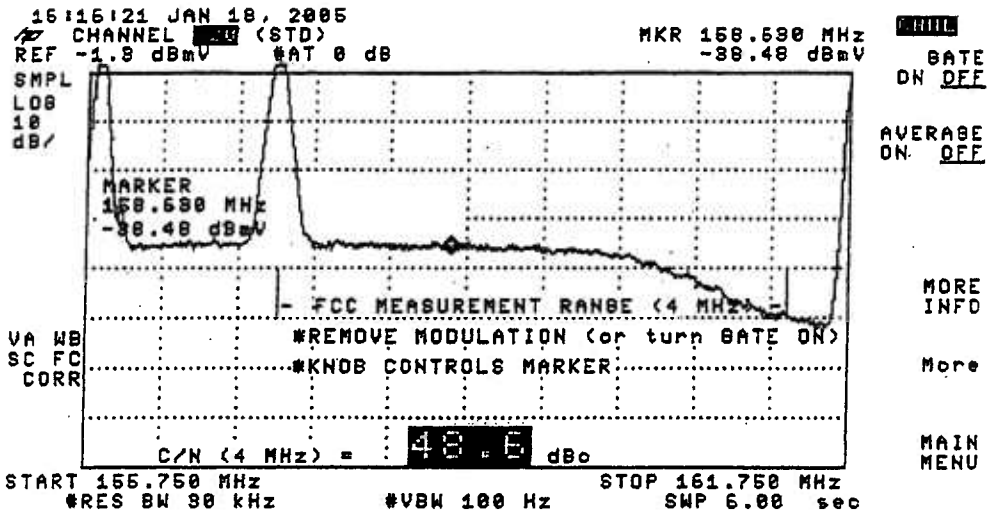

15:48:37 JAN 18, 2005
CHANNEL (STD)
REF -.6 dBmV
#AT 0 dB
MKR 290.085 MHz
-7.00 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.6 dB
MAIN
MENU
START 288.000 MHz
#RES BW 100 kHz
#VBW 8 MHz
STOP 294.000 MHz
SWP 20.0 msec

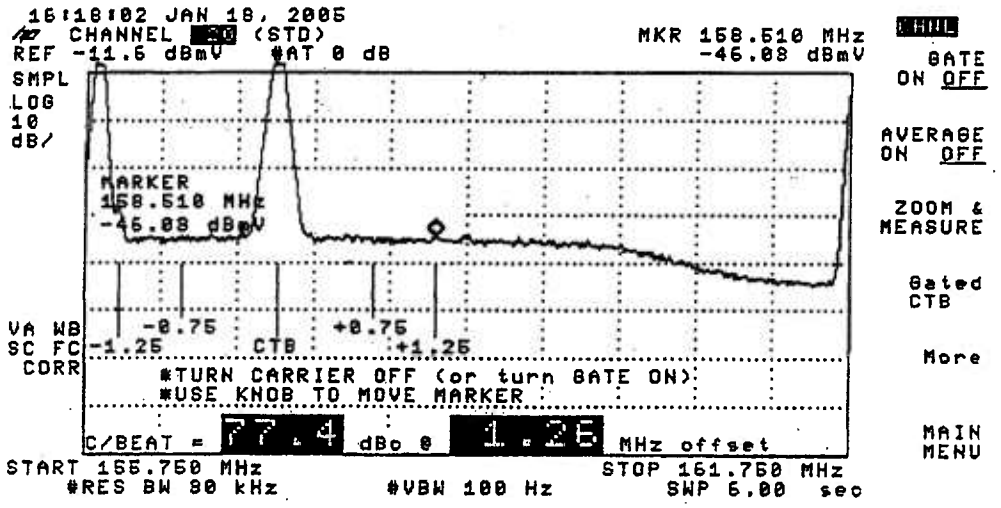

15:50:52 JAN 18, 2005
CHANNEL (STD)
REF -1.0 dBmV
#AT 0 dB
MKR 837.875 MHz
-7.09 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 836.000 MHz
#RES BW 100 kHz
#VBW 8 MHz
STOP 842.000 MHz
SWP 20.0 msec

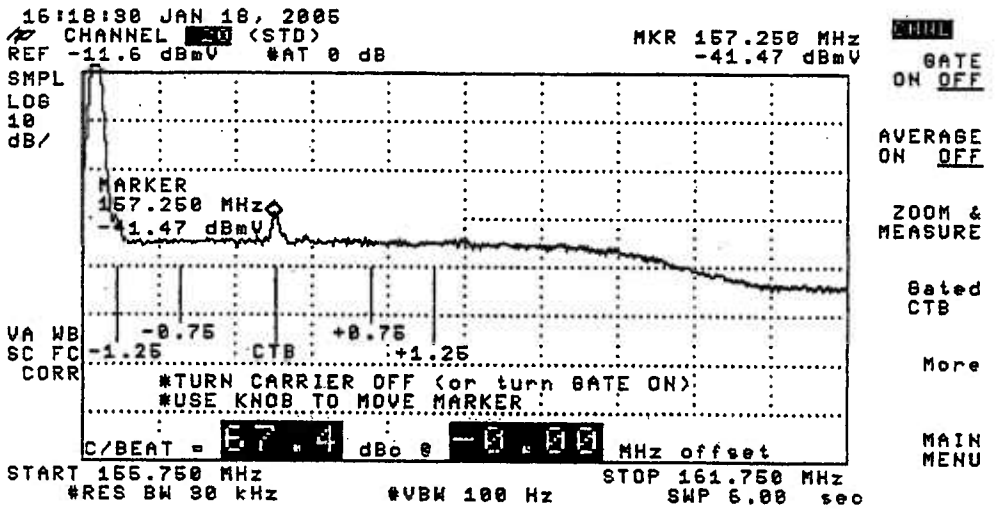

15:52:24 JAN 18, 2005
CHANNEL (STD)
REF -.2 dBmV
#AT 0 dB
MKR 874.175 MHz
-6.54 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
START 872.000 MHz
STOP 878.000 MHz
#RES BW 100 kHz
#VBW 8 MHz
SWP 20.0 msec

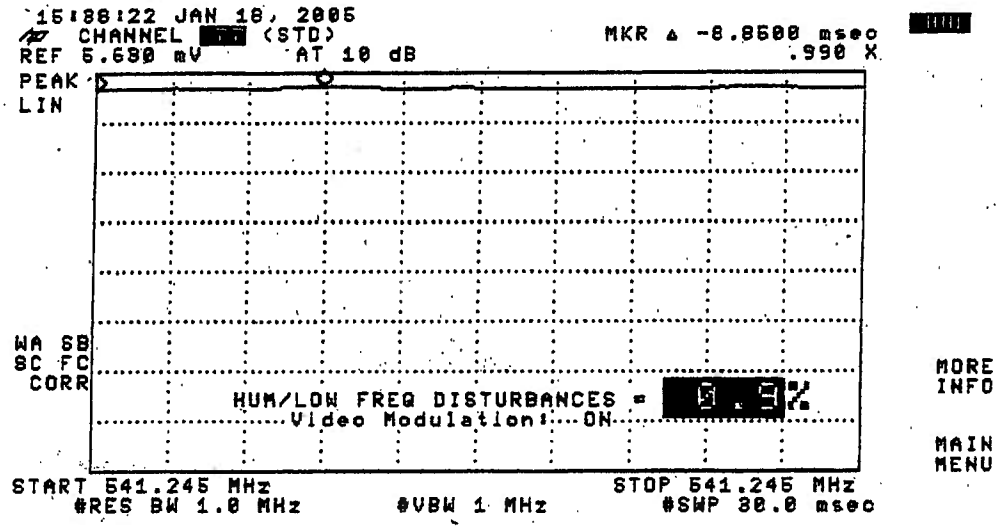

15:54:35 JAN 18, 2005
CHANNEL (STD)
REF -2.2 dBmV
#AT 0 dB
MKR 447.615 MHz
-7.56 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 444.000 MHz
STOP 450.000 MHz
#RES BW 100 kHz
#VBW 8 MHz
SWP 20.0 msec


15:55:55 JAN 18, 2005
CHANNEL (STD)
REF .1 dBmV
#AT 0 dB
MKR 542.175 MHz
-6.22 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 = ± 0.7 dB
MAIN
MENU
START 540.000 MHz
STOP 546.000 MHz
#RES BW 100 kHz
#VBW 8 MHz
SWP 20.0 msec


16:16:21 JAN 18, 2005
CHANNEL (STD)
REF -1.8 dBmV
#AT 0 dB
MKR 158.630 MHz
-38.48 dBmV
SMPL
LOG
10
dB/
MARKER
158.630 MHz
-38.48 dBmV
- FCC MEASUREMENT RANGE (4 MHz) -
#REMOVE MODULATION (or turn GATE ON)
#KNOB CONTROLS MARKER
VA WB
SC FC
CORR
C/N (4 MHz) = 48.6 dBc
START 155.750 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 161.750 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
MORE
INFO
More
MAIN
MENU


16:18:02 JAN 18, 2005
CHANNEL (STD)
REF -11.6 dBmV
#AT 0 dB
MKR 158.510 MHz
-46.08 dBmV
SMPL
LOG
10
dB/
MARKER
158.510 MHz
-46.08 dBmV
-0.75
+0.75
-1.25
CTB
+1.25
#TURN CARRIER OFF (or turn GATE ON)
#USE KNOB TO MOVE MARKER
VA WB
SC FC
CORR
C/BEAT = 77.4 dBc @ 1.26 MHz offset
START 155.750 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 161.750 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
Gated
CTB
More
MAIN
MENU


16:18:30 JAN 18, 2005
CHANNEL (STD)
REF -11.6 dBmV
#AT 0 dB
MKR 157.250 MHz
-41.47 dBmV
SMPL
LOG
10
dB/
MARKER
157.250 MHz
-41.47 dBmV
-0.75
+0.75
-1.25
CTB
+1.25
#TURN CARRIER OFF (or turn GATE ON)
#USE KNOB TO MOVE MARKER
VA WB
SC FC
CORR
C/BEAT = 67.4 dBc @ -0.00 MHz offset
START 155.750 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 161.750 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
Gated
CTB
More
MAIN
MENU


15:38:22 JAN 18, 2005
CHANNEL [redacted] (STD)
MKR Δ -8.8500 msec
REF 5.680 mV
AT 10 dB
.990 X
PEAK
LIN
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = [redacted]%
Video Modulation: ON
MORE INFO
MAIN MENU
START 541.245 MHz
STOP 541.245 MHz
#RES BW 1.0 MHz
#VBW 1 MHz
#SWP 30.0 msec

ESTPOINT 17, PAGE 5

TIME WARNER CABLE - SYRACUSE DIVISION

VISUAL CARRIER LEVEL VARIATION TEST

System Name	: Syracuse	*Test Location*	: 237 Patricia Drive / Liverpool
Date	: 01/13/2005	*Performed By*	: John Ellis
Meter Serial Number	: 221999		

		TEMP F							TEMP F				
		57.00	54.00	64.00	34.00				57.00	54.00	64.00	34.00	
		TIME							TIME				
		09:52:00	16:01:00	22:01:00	04:00:00				09:52:00	16:01:00	22:01:00	04:00:00	
CHAN	FREQ (MHZ)	VISUAL LEVEL (DBMV)				MAX VAR	CHAN	FREQ (MHZ)	VISUAL LEVEL (DBMV)				MAX VAR
2	55.2500	15.30	15.30	15.10	15.80	0.7	DD (40)	319.2625	13.600	13.200	13.300	13.500	0.4
3	61.2500	15.70	15.50	15.40	16.00	0.6	EE (41)	325.2625	13.200	12.900	13.000	13.400	0.5
4	67.2500	15.30	15.10	14.90	15.60	0.7	FF (42)	331.2750	13.600	13.400	13.400	13.800	0.4
5	77.2500	14.40	14.20	14.10	14.40	0.3	GG (43)	337.2625	13.800	13.700	13.500	14.000	0.5
6	83.2500	14.50	14.40	14.30	14.60	0.3	HH (44)	343.2625	14.000	13.800	13.800	14.400	0.6
A-5 (95)	91.2500						II (45)	349.2625	14.000	13.900	13.700	14.300	0.6
A-4 (96)	97.2500						JJ (46)	355.2625	14.400	14.200	14.000	14.600	0.6
A-3 (97)	103.2500						KK (47)	361.2625	14.200	14.100	13.900	14.400	0.5
A-2 (98)	109.2750	15.40	15.40	15.40	15.80	0.4	LL (48)	367.2625	13.900	14.000	13.700	14.300	0.6
A-1 (	115.2750	16.20	16.10	15.90	16.70	0.8	MM (49)	373.2625	13.900	13.900	13.500	14.000	0.5
A (1	121.2625	16.10	16.00	15.80	16.60	0.8	NN (50)	379.2625	14.100	13.900	13.800	14.300	0.5
B (15)	127.2625	16.20	15.70	15.60	16.50	0.9	OO (51)	385.2625	14.300	14.100	13.900	14.400	0.5
C (16)	133.2625	16.60	15.50	15.60	17.00	1.5	PP (52)	391.2625	14.300	14.300	14.000	14.600	0.6
D (17)	139.2500	16.80	16.20	16.10	17.10	1	QQ (53)	397.2625	14.200	14.000	13.900	14.400	0.5
E (18)	145.2500	17.20	16.90	16.80	17.10	0.4	RR (54)	403.2500	14.300	14.100	14.000	14.500	0.5
F (19)	151.3210	17.40	17.30	17.10	17.40	0.3	SS (55)	409.2500	14.200	14.200	14.000	14.500	0.5
G (20)	157.2500	16.90	17.00	16.90	17.50	0.6	TT (56)	415.2500	14.000	14.000	13.700	14.300	0.6
H (21)	163.2500	17.40	17.60	17.50	17.90	0.5	UU (57)	421.2500	14.000	13.700	13.600	14.100	0.5
I (22)	169.2500	17.20	17.50	17.40	17.80	0.6	VV (58)	427.2500	13.500	13.400	13.000	13.700	0.7
7	175.2500	17.00	17.20	17.00	17.50	0.5	WW (59)	433.2500	12.900	12.800	12.600	13.200	0.6
8	181.2500	16.00	16.40	16.20	16.90	0.9	XX (60)	439.2500	12.200	12.200	11.900	12.600	0.7
9	187.2500	16.10	16.40	16.20	16.40	0.3	YY (61)	445.2500	12.600	12.500	12.400	13.100	0.7
10	193.2500	16.70	17.00	16.80	17.20	0.5	ZZ (62)	451.2500	12.800	12.600	12.500	13.200	0.7
11	199.2500	16.70	16.80	16.80	17.20	0.5	63	457.2500	12.800	12.800	12.600	13.300	0.7
12	205.2500	16.60	16.80	16.70	16.90	0.3	64	463.2500	13.100	13.100	12.800	13.500	0.7
13	211.2500	16.50	16.60	16.60	16.90	0.4	65	469.2500	12.800	12.700	12.600	13.300	0.7
J (23)	217.2500	16.10	16.20	16.00	16.40	0.4	66	475.2500	12.900	12.700	12.500	13.200	0.7
K (24)	223.2500	15.80	15.90	15.80	16.10	0.3	67	481.2500	13.500	13.500	13.200	13.900	0.7
L (25)	229.2625	16.20	16.20	16.10	16.20	0.1	68	487.2500	13.600	13.800	13.500	14.000	0.5
M (26)	235.2625	16.20	16.50	16.50	16.50	0.3	69	493.2500	14.400	14.400	14.000	14.600	0.6
N (27)	241.2625	15.90	16.10	16.00	16.20	0.3	70	499.2500	14.500	14.600	14.200	14.900	0.7
O (28)	247.2625	15.50	15.60	15.40	15.70	0.3	71	505.2500	14.500	14.300	13.900	14.500	0.6
P (29)	253.2625	15.10	15.00	15.00	15.20	0.2	72	511.2500	14.900	14.800	14.600	15.200	0.6
Q (30)	259.2625	14.90	14.80	14.70	14.70	0.2	73	517.2500	14.500	14.300	14.100	14.700	0.6
R (31)	265.2625	15.00	14.80	14.70	14.80	0.3	74	523.2500	14.600	14.300	14.200	14.800	0.6
S (32)	271.2625	14.50	14.20	14.10	14.20	0.4	75	529.2500	14.200	14.000	13.700	14.200	0.5
T (33)	277.2625	13.90	13.70	13.70	13.90	0.2	76	535.2500	14.000	13.900	13.700	14.100	0.4
U (34)	283.2625	14.10	13.90	13.60	13.90	0.5	77	541.2500	14.000	13.900	13.500	13.800	0.5
V (35)	289.2625	13.80	13.50	13.50	13.70	0.3	78	547.2500	13.700	13.500	13.200	13.600	0.5
W (36)	295.2625	13.50	13.30	13.10	13.40	0.4	79	553.2500					
A (37)	301.2625	13.70	13.50	13.40	13.70	0.3	80	559.2500	14.000	13.900	13.500	13.900	0.5
B (38)	307.2625	13.50	13.30	13.30	13.70	0.4	81	565.2500					
C (39)	313.2625	13.50	13.10	13.30	13.60	0.5							

Max Non Adjacent Channel Level Diff	:- 5.6
Max Adjacent Channel Level Diff	:- 1.2
Max Variance from last proof of performance test	:- N/A
Date of last proof of performance test	:- N/A

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

TESTPOINT 18, PAGE 1

TIME WARNER CABLE - SYRACUSE DIVISION

System Name	:	Syracuse
System Test Point #	:	18
Hub Name	:	Liverpool Hub
Location	:	214 Deborah Drive / Liverpool
Map Number	:	323-5650
Pole Number	:	Pole # NM10
D.T. Value	:	11/4
OR Number	:	31
GNA Cascade	:	Node + 4
LE Cscade	:	0

TPOINT 18, PAGE 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	: Syracuse	**Test Location**	: 214 Deborah Drive / Liverpool
Date	: 01/13/2005	**Time**	: 10:23:00

CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)	CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)
2	55.2500	14.70	1.40		13.5	DD (40)	319.2625	14.70	0.70		14
3	61.2500	15.60	1.10		14.5	EE (41)	325.2625	14.90	0.70		14.2
4	67.2500	16.00	1.00		15	FF (42)	331.2750	15.40	1.40		14
5	77.2500	15.70	0.60		15.1	GG (43)	337.2625	15.90	1.50		14.4
6	83.2500	15.50	1.70		13.8	HH (44)	343.2625	16.20	2.00		14.2
A-5 (95)	91.2500	N/A	N/A		N/A	II (45)	349.2625	16.00	1.40		14.6
A-4 (96)	97.2500	N/A	N/A		N/A	JJ (46)	355.2625	16.30	1.20		15.1
A-3 (97)	103.2500	N/A	N/A		N/A	KK (47)	361.2625	16.00	1.20		14.8
A-2 (98)	109.2750	15.90	1.80		14.1	LL (48)	367.2625	15.80	0.80		15
A-1 (99)	115.2750	16.20	1.50		14.7	MM (49)	373.2625	15.50	0.40		15.1
A (14)	121.2625	16.00	2.40		13.6	NN (50)	379.2625	15.30	1.00		14.3
B (15)	127.2625	16.40	2.20		14.2	OO (51)	385.2625	14.90	0.40		14.5
C (16)	133.2625	16.70	3.00		13.7	PP (52)	391.2625	15.20	0.40		14.8
D (17)	139.2500	17.00	3.00		14	QQ (53)	397.2625	14.80	0		14.8
E (18)	145.2500	17.20	2.50		14.7	RR (54)	403.2500	14.40	-0.20		14.6
F (19)	151.3210	17.70	3.30		14.4	SS (55)	409.2500	14.30	-0.50		14.8
G (20)	157.2500	17.00	2.70		14.3	TT (56)	415.2500	13.90	-1.20		15.1
H (21)	163.2500	17.60	2.60		15	UU (57)	421.2500	13.50	-1.10		14.6
I (22)	169.2500	17.20	2.60		14.6	VV (58)	427.2500	13.60	-1.10		14.7
7	175.2500	16.90	2.60		14.3	WW (59)	433.2500	12.90	-1.80		14.7
8	181.2500	16.40	1.80		14.6	XX (60)	439.2500	12.40	-1.40		13.8
9	187.2500	15.70	0.70		15	YY (61)	445.2500	13.00	-1.70		14.7
10	193.2500	16.00	1.30		14.7	ZZ (62)	451.2500	13.20	-1.10		14.3
11	199.2500	15.90	1.70		14.2	63	457.2500	13.10	-1.00		14.1
12	205.2500	15.90	1.30		14.6	64	463.2500	13.40	-0.90		14.3
13	211.2500	16.00	0.80		15.2	65	469.2500	13.40	-0.90		14.3
J (23)	217.2500	15.90	1.30		14.6	66	475.2500	13.50	-0.90		14.4
K (24)	223.2500	15.50	1.10		14.4	67	481.2500	14.00	-0.80		14.8
L (25)	229.2625	15.60	1.00		14.6	68	487.2500	14.10	-0.30		14.4
M (26)	235.2625	15.40	1.00		14.4	69	493.2500	14.70	0.50		14.2
N (27)	241.2625	15.10	0.90		14.2	70	499.2500	15.10	0.70		14.4
O (28)	247.2625	15.20	0.80		14.4	71	505.2500	15.10	0.50		14.6
[illegible]	253.2625	15.10	0.70		14.4	72	511.2500	15.30	0.80		14.5
[illegible]	259.2625	15.20	1.20		14	73	517.2500	15.10	0.60		14.5
R (31)	265.2625	14.90	0.40		14.5	74	523.2500	15.00	0.30		14.7
S (32)	271.2625	14.60	0.20		14.4	75	529.2500	15.20	0.80		14.4
T (33)	277.2625	14.50	0.20		14.3	76	535.2500	14.90	0.80		14.1
U (34)	283.2625	14.70	-0.10		14.8	77	541.2500	15.30	0.60		14.7
V (35)	289.2625	14.80	-0.10		14.9	78	547.2500	14.90	-0.10		15
W (36)	295.2625	14.60	0.30		14.3	79	553.2500	N/A	N/A		N/A
AA (37)	301.2625	14.80	0.40		14.4	80	559.2500	15.30	0.70		14.6
BB (38)	307.2625	14.90	0.50		14.4	81	565.2500	N/A	N/A		N/A
CC (39)	313.2625	14.90	0.90		14						

Min Channel	:	XX(60)	12.400
Max Channel	:	F(19)	17.700
Peak to Valley	:	5.3	

TESTPOINT 18, PAGE 3

TIME WARNER CABLE - SYRACUSE DIVISION

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

System Name : Syracuse ***Date*** : 1/24/2005

Performed By : Pat Thrall

ation : 214 Deborah Drive / Liverpool

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

CHANNEL NUMBER	IN CHANNEL RESPONSE	CARRIER TO NOISE RATIO	DISTORTIONS	CSO	HUM
	(+/- DB)	(DB)	(-DBC) CTB		(%)
4	0.6	48.9	69.3	75.9	
14	0.2	48.2	66.2	72.8	0.6
20	0.4	49.5	67.6	75.3	
13	0.3	49.9	65.4	75.7	
35	0.4	49.2	64.2	68.0	
43	0.2	49.2	63.9	71.5	
49	0.4	48.5	63.8	71.6	
60	0.3	48.0	64.8	71.1	
77	0.5	49.8	65.6	66.4	

TIME WARNER CABLE - SYRACUSE DIVISION

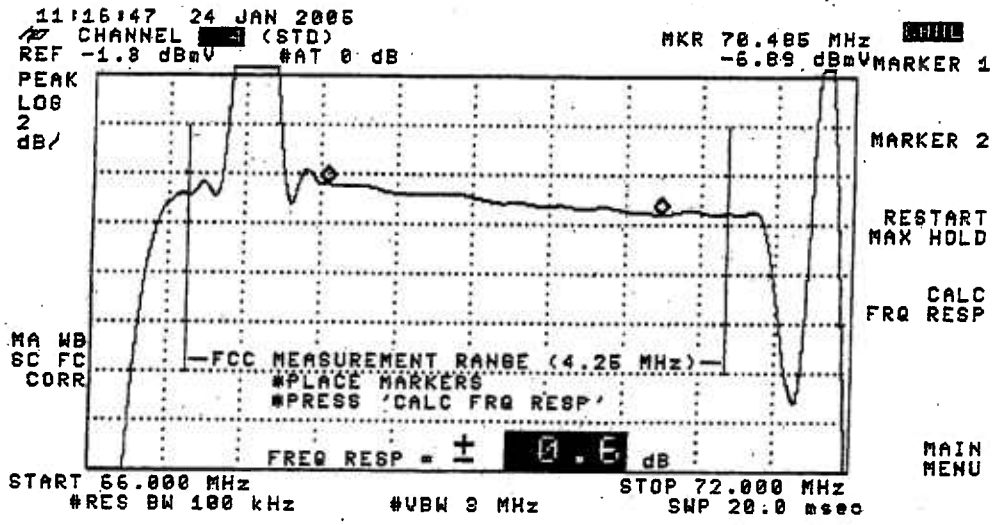
IN CHANNEL FREQUENCY RESPONSE TEST
(76.605) (a) (6)

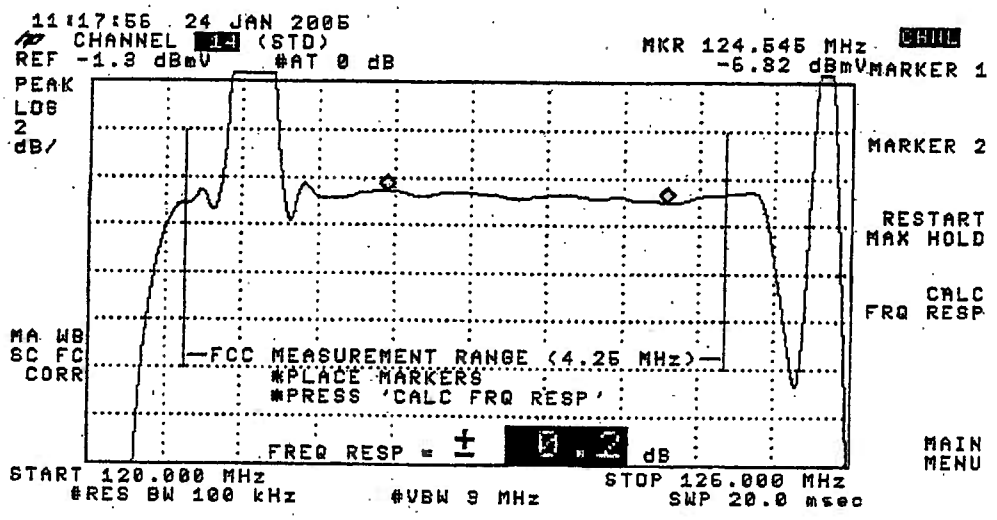
System Name : Syracuse ***Date*** : 01/24/2005

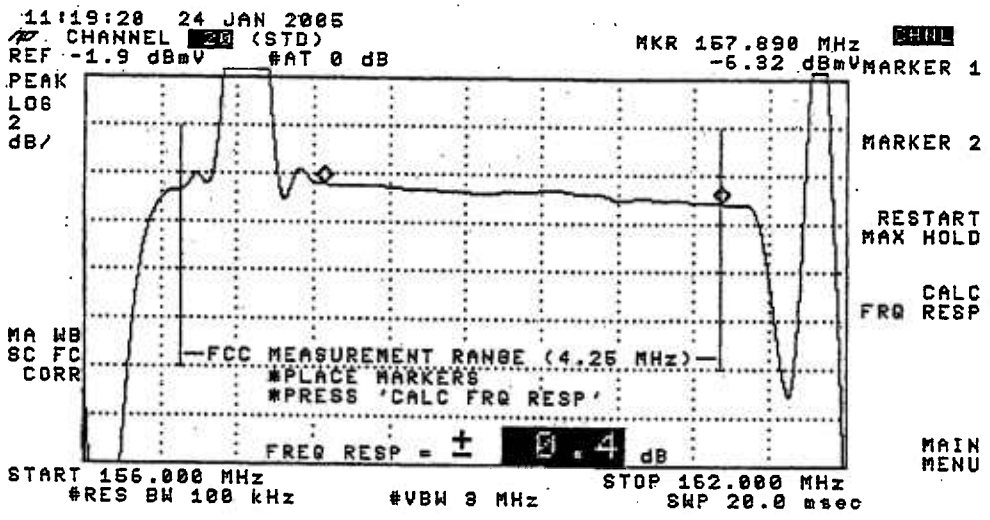
Performed By : Pat Thrall

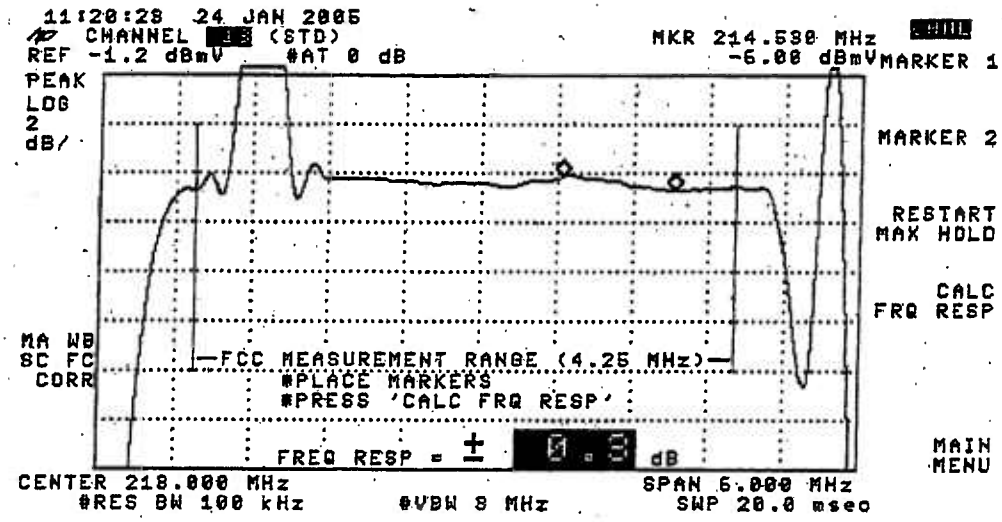
Location : 214 Deborah Drive / Liverpool

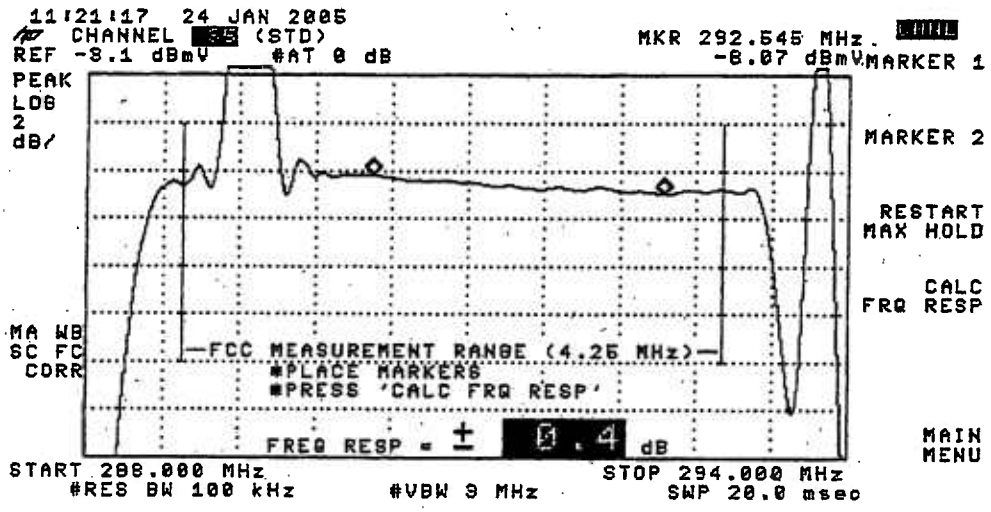
(SEE THE ATTACHED SWEEP TRACES)

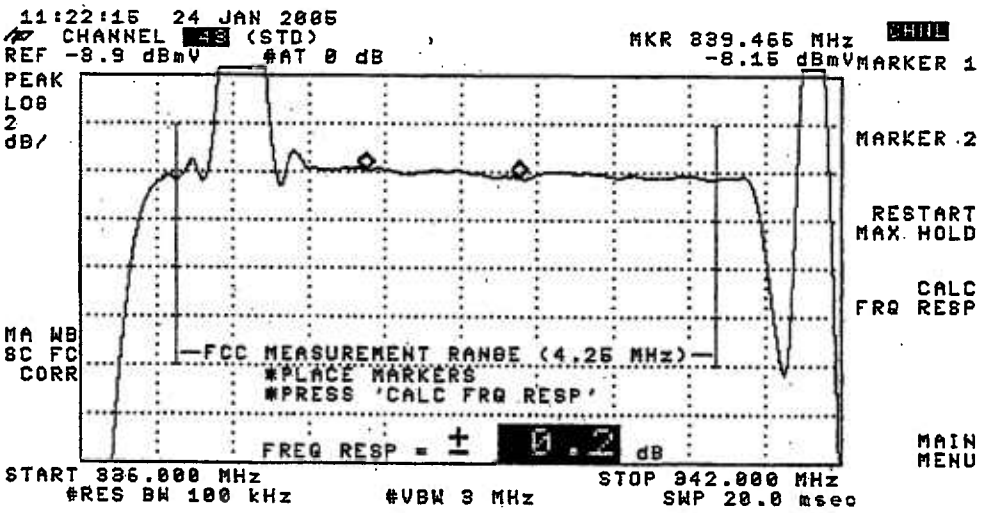

11:16:47 24 JAN 2005
CHANNEL 4 (STD)
REF -1.8 dBmV #AT 0 dB
MKR 70.485 MHz
-6.89 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.6 dB
MAIN
MENU
START 66.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 72.000 MHz
SWP 20.0 msec

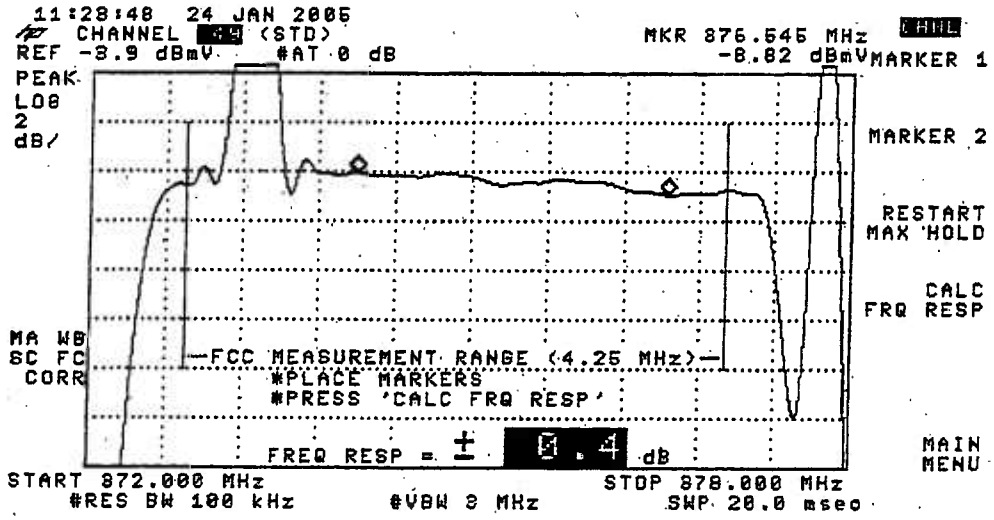

11:17:56 24 JAN 2005
CHANNEL 14 (STD)
REF -1.3 dBmV #AT 0 dB
MKR 124.545 MHz
-6.82 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 120.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 126.000 MHz
SWP 20.0 msec

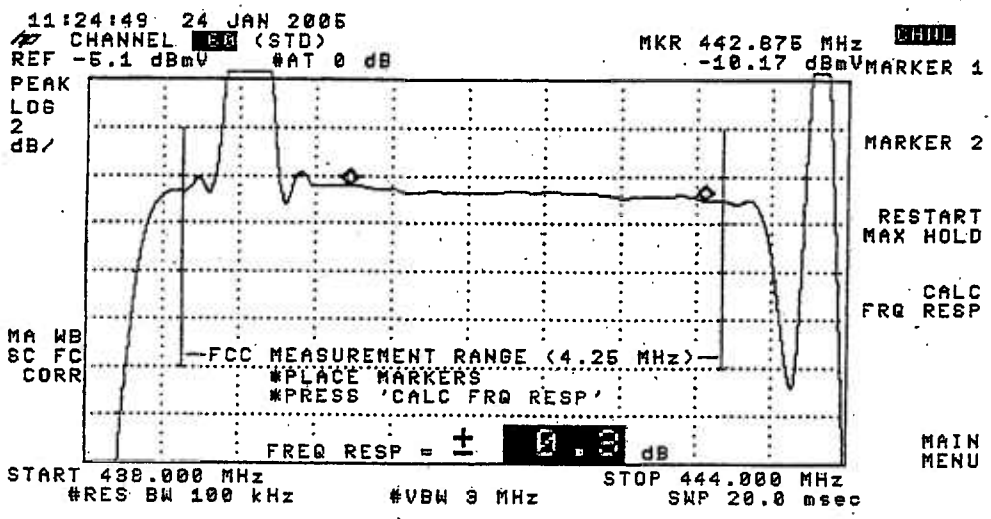

11:19:20 24 JAN 2005
CHANNEL 30 (STD)
REF -1.9 dBmV #AT 0 dB
MKR 157.890 MHz
-6.32 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 156.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 162.000 MHz
SWP 20.0 msec

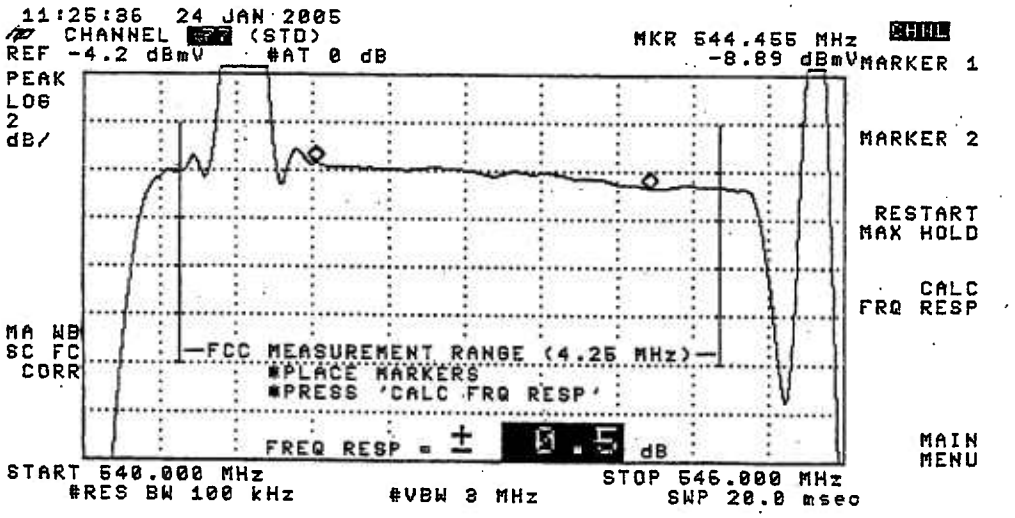

11:20:28 24 JAN 2005
CHANNEL (STD)
REF -1.2 dBmV #AT 0 dB
MKR 214.530 MHz
-6.00 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
CENTER 218.000 MHz
#RES BW 100 kHz
#VBW 8 MHz
SPAN 6.000 MHz
SWP 20.0 msec

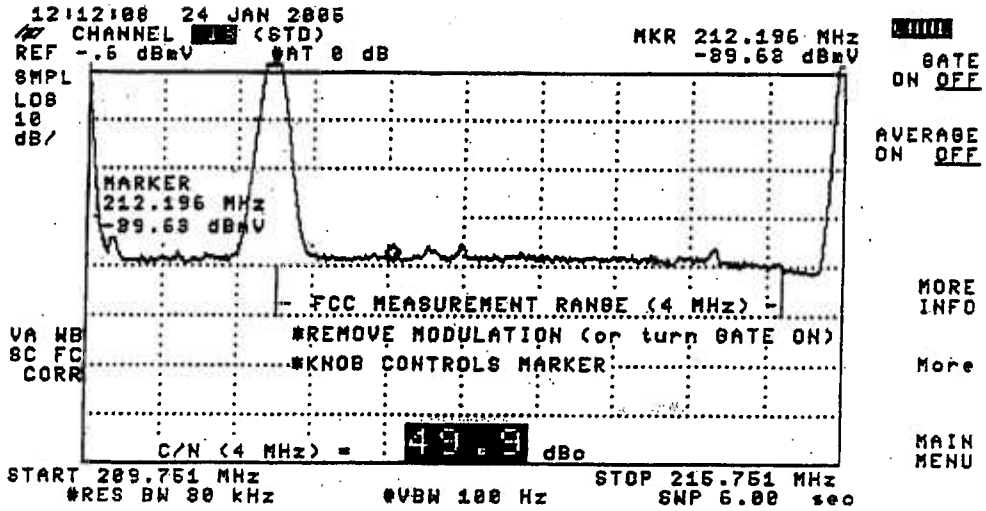

11:21:17 24 JAN 2005
CHANNEL (STD)
REF -8.1 dBmV #AT 0 dB
MKR 292.545 MHz
-8.07 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 288.000 MHz
#RES BW 100 kHz
#VBW 9 MHz
STOP 294.000 MHz
SWP 20.0 msec

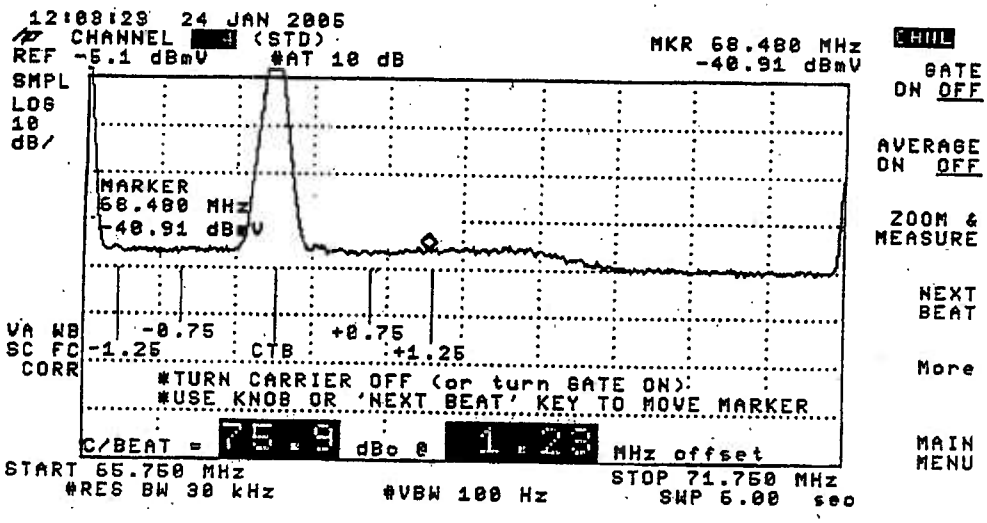

11:22:15 24 JAN 2005
CHANNEL (STD)
REF -8.9 dBmV #AT 0 dB
MKR 339.465 MHz
-8.15 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 336.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 342.000 MHz
SWP 20.0 msec

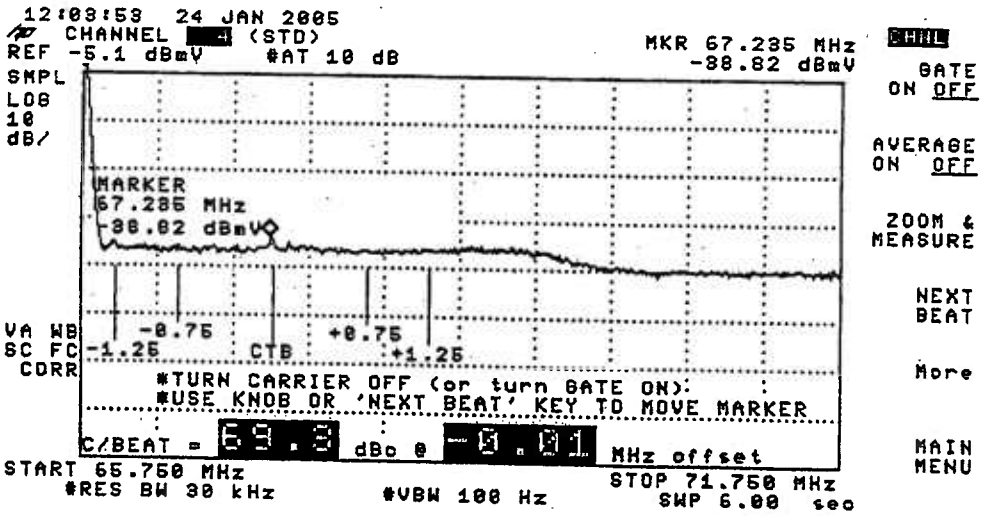

11:28:48 24 JAN 2005
CHANNEL (STD)
REF -3.9 dBmV #AT 0 dB
MKR 876.545 MHz
-8.82 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 872.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 878.000 MHz
SWP 20.0 msec


11:24:49 24 JAN 2005
CHANNEL (STD)
REF -5.1 dBmV #AT 0 dB
MKR 442.875 MHz
-10.17 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 438.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 444.000 MHz
SWP 20.0 msec


11:25:36 24 JAN 2005
CHANNEL (STD)
REF -4.2 dBmV #AT 0 dB
MKR 544.455 MHz
-8.89 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 = ± 0.5 dB
MAIN
MENU
START 540.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 546.000 MHz
SWP 20.0 msec


12:12:08 24 JAN 2005
CHANNEL [redacted] (STD)
REF -.5 dBmV
#AT 0 dB
MKR 212.196 MHz
-89.63 dBmV
SMPL
LOG
10
dB/
MARKER
212.196 MHz
-89.63 dBmV
- FCC MEASUREMENT RANGE (4 MHz) -
VA WB
SC FC
CORR
#REMOVE MODULATION (or turn GATE ON)
#KNOB CONTROLS MARKER
C/N (4 MHz) = 49.9 dBc
START 209.751 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 215.751 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
MORE
INFO
More
MAIN
MENU


12:08:29 24 JAN 2005
CHANNEL [redacted] (STD)
REF -5.1 dBmV
#AT 10 dB
MKR 68.480 MHz
-40.91 dBmV
SMPL
LOG
10
dB/
MARKER
68.480 MHz
-40.91 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 = 75.9 dBc @ 1.23 MHz offset
START 65.750 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 71.750 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
NEXT
BEAT
More
MAIN
MENU


12:03:53 24 JAN 2005
CHANNEL [redacted] (STD)
REF -5.1 dBmV
#AT 10 dB
MKR 67.235 MHz
-38.82 dBmV
SMPL
LOG
10
dB/
MARKER
67.235 MHz
-38.82 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 = 69.8 dBc @ -0.01 MHz offset
START 65.750 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 71.750 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
NEXT
BEAT
More
MAIN
MENU

15:25:37 JAN 27, 2006
CHANNEL [redacted] (STD)
REF 15.8 dBmV #AT 0 dB

MKR Δ 29.000 msec
-.05 dB

PEAK
LOG
1
dB/

WA SB
SC FC
CORR

HUM/LOW FREQ DISTURBANCES = [redacted]%
Video Modulation: OFF

MORE
INFO

MAIN
MENU

START 121.250 MHz
#RES BW 1.0 MHz #VBW 1 kHz

STOP 121.250 MHz
#SWP 50.0 msec

:STPOINT 18, PAGE 5

TIME WARNER CABLE - SYRACUSE DIVISION

VISUAL CARRIER LEVEL VARIATION TEST

System Name	: Syracuse	**Test Location**	: 214 Deborah Drive / Liverpool
Date	: 01/13/2005	**Performed By**	: Jim Woods
Meter Serial Number	: 221999		

		TEMP F							TEMP F				
		55.00	53.00	64.00	34.00				55.00	53.00	64.00	34.00	
		TIME							TIME				
		10:23:00	16:33:00	22:30:00	04:30:00				10:23:00	16:33:00	22:30:00	04:30:00	
AN	FREQ (MHZ)	VISUAL LEVEL (DBMV)				MAX VAR	CHAN	FREQ (MHZ)	VISUAL LEVEL (DBMV)				MAX VAR
2	55.2500	14.70	14.40	14.20	14.50	0.5	DD (40)	319.2625	14.700	14.400	14.500	14.600	0.3
3	61.2500	15.60	15.40	15.30	15.30	0.3	EE (41)	325.2625	14.900	14.600	14.600	14.700	0.3
4	67.2500	16.00	15.90	15.90	15.90	0.1	FF (42)	331.2750	15.400	15.100	14.900	15.200	0.5
5	77.2500	15.70	15.50	15.40	15.50	0.3	GG (43)	337.2625	15.900	15.700	15.400	15.700	0.5
6	83.2500	15.50	15.10	15.30	15.20	0.4	HH (44)	343.2625	16.200	16.000	15.700	16.000	0.5
A-5 (95)	91.2500						II (45)	349.2625	16.000	15.800	15.300	15.800	0.7
A-4 (96)	97.2500						JJ (46)	355.2625	16.300	16.100	15.700	16.200	0.6
A-3 (97)	103.2500						KK (47)	361.2625	16.000	15.700	15.100	16.000	0.9
A-2 (98)	109.2750	15.90	15.80	15.70	15.70	0.2	LL (48)	367.2625	15.800	15.600	15.100	15.800	0.7
A-1 (99)	115.2750	16.20	16.10	16.00	15.70	0.5	MM (49)	373.2625	15.500	15.400	14.800	15.500	0.7
A (14)	121.2625	16.00	16.00	15.70	16.00	0.3	NN (50)	379.2625	15.300	15.100	14.700	15.300	0.6
B (15)	127.2625	16.40	16.20	16.10	16.30	0.3	OO (51)	385.2625	14.900	14.700	14.100	14.700	0.8
C (16)	133.2625	16.70	16.10	16.00	16.30	0.7	PP (52)	391.2625	15.200	14.900	14.400	15.100	0.8
D (17)	139.2500	17.00	17.00	16.80	16.20	0.8	QQ (53)	397.2625	14.800	14.500	14.200	14.700	0.6
E (18)	145.2500	17.20	17.20	17.10	16.80	0.4	RR (54)	403.2500	14.400	14.200	13.700	14.300	0.7
F (19)	151.3210	17.70	17.70	17.50	17.30	0.4	SS (55)	409.2500	14.300	14.000	13.800	14.200	0.5
G (20)	157.2500	17.00	16.90	16.80	16.60	0.4	TT (56)	415.2500	13.900	13.700	13.300	13.800	0.6
H (21)	163.2500	17.60	17.30	17.30	17.10	0.5	UU (57)	421.2500	13.500	13.300	13.000	13.500	0.5
I (22)	169.2500	17.20	16.80	16.80	16.90	0.4	VV (58)	427.2500	13.600	13.400	13.000	13.600	0.6
7	175.2500	16.90	16.70	16.50	16.70	0.4	WW (59)	433.2500	12.900	12.700	12.600	13.200	0.6
8	181.2500	16.40	16.20	16.20	16.20	0.2	XX (60)	439.2500	12.400	12.400	12.000	12.600	0.6
9	187.2500	15.70	15.60	15.50	15.80	0.3	YY (61)	445.2500	13.000	12.800	12.500	13.200	0.
10	193.2500	16.00	16.00	15.80	16.10	0.3	ZZ (62)	451.2500	13.200	13.000	12.800	13.600	0.8
11	199.2500	15.90	15.90	15.80	16.00	0.2	63	457.2500	13.100	13.200	12.800	13.500	0.7
12	205.2500	15.90	16.10	15.80	16.00	0.3	64	463.2500	13.400	13.300	12.900	13.800	0.9
13	211.2500	16.00	16.00	15.90	16.20	0.3	65	469.2500	13.400	13.400	13.000	13.800	0.8
J (23)	217.2500	15.90	16.00	15.80	15.90	0.2	66	475.2500	13.500	13.500	13.000	13.800	0.8
K (24)	223.2500	15.50	15.60	15.40	15.60	0.2	67	481.2500	14.000	14.000	13.500	14.300	0.8
L (25)	229.2625	15.60	15.70	15.40	15.70	0.3	68	487.2500	14.100	14.200	13.800	14.700	0.9
M (26)	235.2625	15.40	15.80	15.60	15.60	0.4	69	493.2500	14.700	14.700	14.200	14.800	0.6
N (27)	241.2625	15.10	15.30	14.90	15.30	0.4	70	499.2500	15.100	15.000	14.600	15.200	0.6
O (28)	247.2625	15.20	15.40	15.10	15.30	0.3	71	505.2500	15.100	14.900	14.600	15.100	0.5
P (29)	253.2625	15.10	15.20	15.00	15.20	0.2	72	511.2500	15.300	15.300	15.000	15.600	0.6
Q (30)	259.2625	15.20	15.30	15.10	15.30	0.2	73	517.2500	15.100	15.000	14.700	15.300	0.6
R (31)	265.2625	14.90	14.90	14.70	15.00	0.3	74	523.2500	15.000	15.100	14.800	15.300	0.5
S (32)	271.2625	14.60	14.60	14.10	14.50	0.5	75	529.2500	15.200	15.100	14.700	15.200	0.5
T (33)	277.2625	14.50	14.40	14.20	14.50	0.3	76	535.2500	14.900	15.000	14.700	15.200	0.5
U (34)	283.2625	14.70	14.70	14.50	14.60	0.2	77	541.2500	15.300	15.200	14.900	15.400	0.5
V (35)	289.2625	14.80	14.70	14.70	14.70	0.1	78	547.2500	14.900	14.800	14.400	15.000	0.6
W (36)	295.2625	14.60	14.50	14.30	14.30	0.3	79	553.2500					
A (37)	301.2625	14.80	14.60	14.50	14.60	0.3	80	559.2500	15.300	15.000	14.800	15.300	0.5
B (38)	307.2625	14.90	14.70	14.60	14.80	0.3	81	565.2500					
C (39)	313.2625	14.90	14.60	14.50	14.70	0.4							

Max Non Adjacent Channel Level Diff	:- 5.5
Max Adjacent Channel Level Diff	:- 1.1
Max Variance from last proof of performance test	:- N/A
Date of last proof of performance test	:- N/A

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

TESTPOINT 19, PAGE 1

TIME WARNER CABLE - SYRACUSE DIVISION

System Name	:	Syracuse
System Test Point #	:	19
Hub Name	:	Chimes Hub
Location	:	212 Cayuga Street / Syracuse
Map Number	:	2116
Pole Number	:	Pole # 10/111
D.T. Value	:	17/8
OR Number	:	2116
GNA Cascade	:	Node + 2
LE Cscade	:	0

STPOINT 19, PAGE 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 : Syracuse **Test Location** : 212 Cayuga Street / Syracuse
Date : 01/13/2005 **Time** : 11:00:00

CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)	CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)
2	55.2500	12.80	-2.10		14.9	DD (40)	319.2625	12.90	-1.30		14.2
3	61.2500	12.70	-1.70		14.4	EE (41)	325.2625	12.90	-1.60		14.5
4	67.2500	12.50	-2.60		15.1	FF (42)	331.2750	13.10	-1.00		14.1
5	77.2500	12.90	-2.20		15.1	GG (43)	337.2625	13.20	-1.10		14.3
6	83.2500	12.60	-1.50		14.1	HH (44)	343.2625	13.50	-1.00		14.5
A-5 (95)	91.2500	N/A	N/A		N/A	II (45)	349.2625	13.80	-0.80		14.6
A-4 (96)	97.2500	N/A	N/A		N/A	JJ (46)	355.2625	13.70	-1.20		14.9
A-3 (97)	103.2500	N/A	N/A		N/A	KK (47)	361.2625	13.50	-1.20		14.7
A-2 (98)	109.2750	13.30	-0.80		14.1	LL (48)	367.2625	12.90	-2.10		15
[illegible] (99)	115.2750	12.80	-1.40		14.2	MM (49)	373.2625	12.70	-1.80		14.5
[illegible] (4)	121.2625	13.40	-0.80		14.2	NN (50)	379.2625	13.10	-1.50		14.6
B (15)	127.2625	13.10	-1.10		14.2	OO (51)	385.2625	12.80	-1.80		14.6
C (16)	133.2625	13.50	-0.90		14.4	PP (52)	391.2625	12.40	-2.10		14.5
D (17)	139.2500	13.00	-1.30		14.3	QQ (53)	397.2625	11.80	-2.90		14.7
E (18)	145.2500	13.30	-1.70		15	RR (54)	403.2500	11.90	-3.30		15.2
F (19)	151.2510	13.20	-1.10		14.3	SS (55)	409.2500	11.20	-3.90		15.1
G (20)	157.2500	12.50	-1.70		14.2	TT (56)	415.2500	10.40	-4.80		15.2
H (21)	163.2500	12.60	-1.80		14.4	UU (57)	421.2500	9.80	-4.20		14
I (22)	169.2500	13.10	-1.50		14.6	VV (58)	427.2500	10.30	-4.20		14.5
7	175.2500	13.00	-0.70		13.7	WW (59)	433.2500	10.30	-4.40		14.7
8	181.2500	13.20	-0.80		14	XX (60)	439.2500	10.10	-3.50		13.6
9	187.2500	13.20	-1.70		14.9	YY (61)	445.2500	10.40	-3.60		14
10	193.2500	13.80	-1.10		14.9	ZZ (62)	451.2500	11.20	-3.00		14.2
11	199.2500	13.80	-0.70		14.5	63	457.2500	11.60	-2.70		14.3
12	205.2500	13.90	-0.40		14.3	64	463.2500	11.60	-2.70		14.3
13	211.2500	13.60	-1.70		15.3	65	469.2500	11.80	-2.10		13.9
J (23)	217.2500	13.80	-1.10		14.9	66	475.2500	11.90	-2.30		14.2
K (24)	223.2500	14.00	-0.40		14.4	67	481.2500	12.10	-2.80		14.9
L (25)	229.2625	13.10	-1.10		14.2	68	487.2500	12.50	-2.60		15.1
M (26)	235.2625	13.20	-1.30		14.5	69	493.2500	12.30	-2.40		14.7
N (27)	241.2625	13.50	-0.90		14.4	70	499.2500	12.00	-2.40		14.4
O (28)	247.2625	13.60	-0.50		14.1	71	505.2500	11.70	-3.20		14.9
[illegible] (0)	253.2625	13.40	-0.80		14.2	72	511.2500	11.50	-3.40		14.9
[illegible] (0)	259.2625	12.80	-1.20		14	73	517.2500	10.90	-3.80		14.7
R (31)	265.2625	13.20	-1.60		14.8	74	523.2500	10.80	-3.80		14.6
S (32)	271.2625	13.80	-0.60		14.4	75	529.2500	10.80	-3.00		13.8
T (33)	277.2625	13.70	-0.50		14.2	76	535.2500	11.10	-2.80		13.9
U (34)	283.2625	13.60	-1.10		14.7	77	541.2500	11.80	-2.60		14.4
V (35)	289.2625	13.10	-2.30		15.4	78	547.2500	11.80	-2.60		14.4
W (36)	295.2625	13.20	-1.30		14.5	79	553.2500	N/A	N/A		N/A
AA (37)	301.2625	13.10	-1.00		14.1	80	559.2500	12.30	-1.50		13.8
BB (38)	307.2625	13.10	-1.10		14.2	81	565.2500	N/A	N/A		N/A
CC (39)	313.2625	13.00	-0.90		13.9						

Min Channel	:	UU(57)	9.800
Max Channel	:	K(24)	14.000
Peak to Valley	:	4.2	

TESTPOINT 19, PAGE 3

TIME WARNER CABLE - SYRACUSE DIVISION

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

System Name : Syracuse ***Date*** : 1/24/2005

Performed By : Jeremy Bellinger

tion : 212 Cayuga Street / Syracuse

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

CHANNEL NUMBER	IN CHANNEL RESPONSE	CARRIER TO NOISE RATIO	DISTORTIONS	CSO	HUM
	(+/- DB)	(DB)	(-DBC) CTB		(%)
4	0.2	47.2	60.8	75.2	0.8
14	0.3	48.9	66.8	75.5	
20	0.2	49.4	67.3	76.5	
13	0.3	48.8	67.2	76.2	
35	0.5	47.5	65.5	74.8	
43	0.3	48.7	67.7	69.2	
49	0.3	47.5	64.9	70.4	
60	0.2	47.4	64.1	70.0	
77	0.4	48.1	63.6	70.2	

TIME WARNER CABLE - SYRACUSE DIVISION

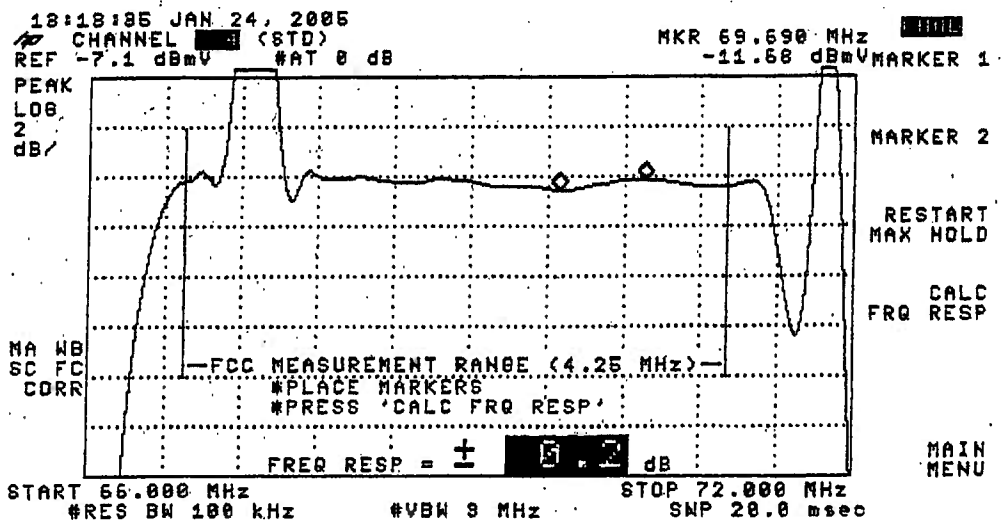
IN CHANNEL FREQUENCY RESPONSE TEST
(76.605) (a) (6)

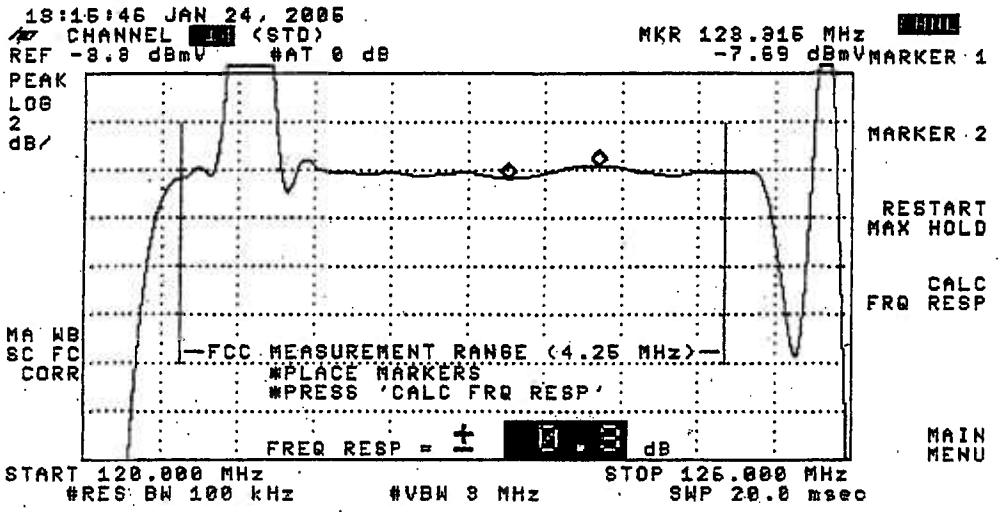
System Name : Syracuse ***Date*** : 01/24/2005

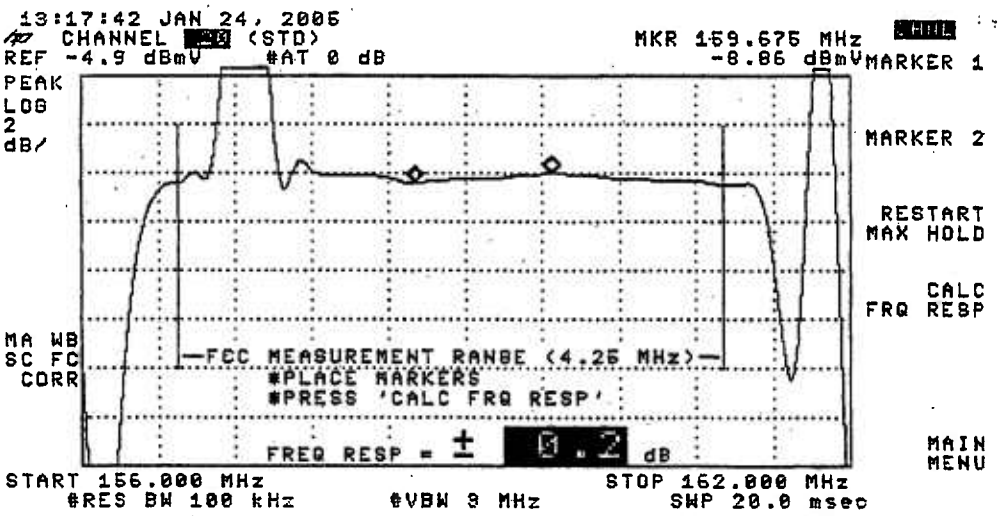
Performed By : Jeremy Bellinger

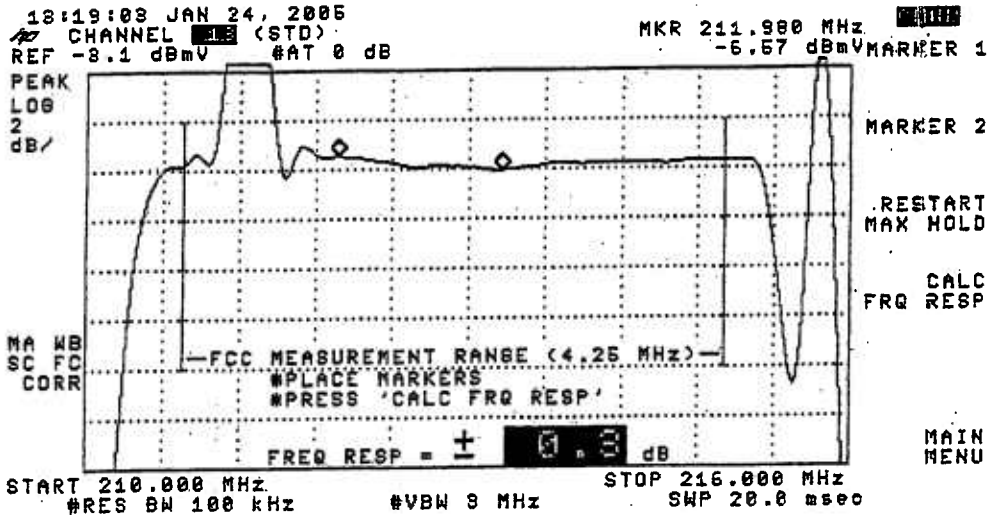
Location : 212 Cayuga Street / Syracuse

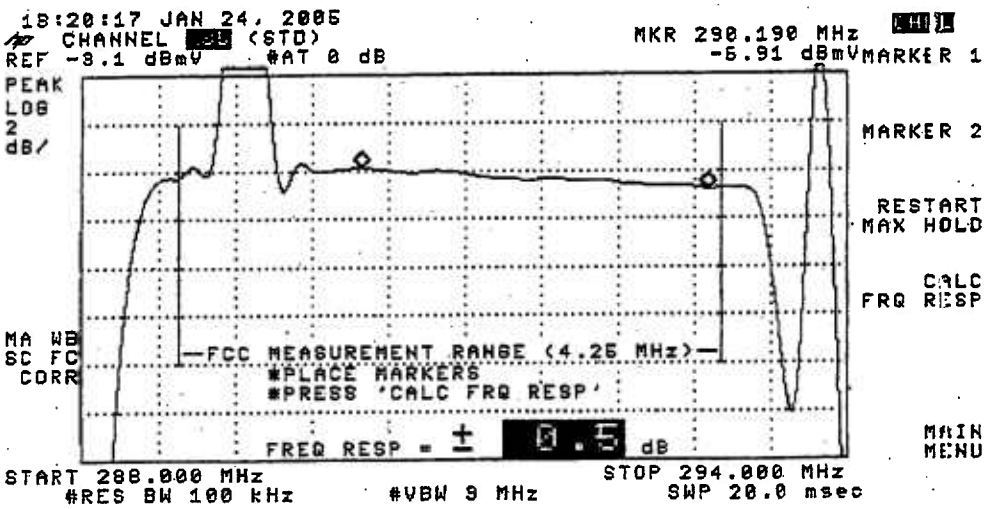
(SEE THE ATTACHED SWEEP TRACES)

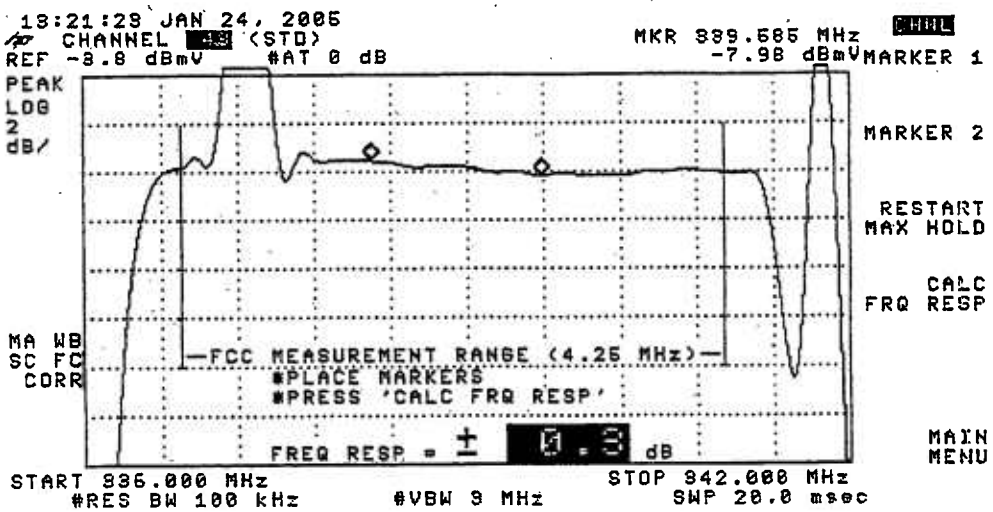

13:13:35 JAN 24, 2005
CHANNEL (STD)
REF -7.1 dBmV
#AT 0 dB
MKR 69.690 MHz
-11.68 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 66.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 72.000 MHz
SWP 20.0 msec

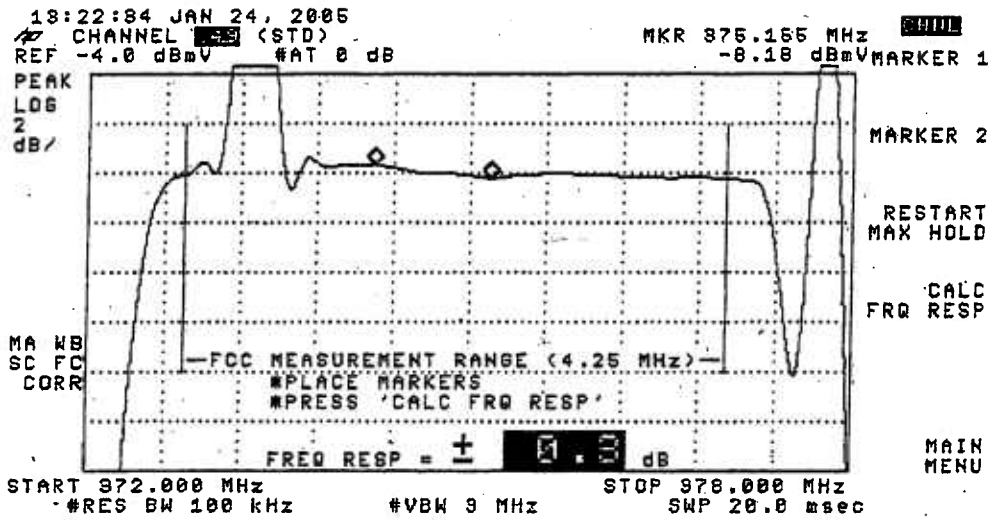

13:15:46 JAN 24, 2005
CHANNEL (STD)
REF -3.8 dBmV
#AT 0 dB
MKR 123.315 MHz
-7.69 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 120.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 126.000 MHz
SWP 20.0 msec

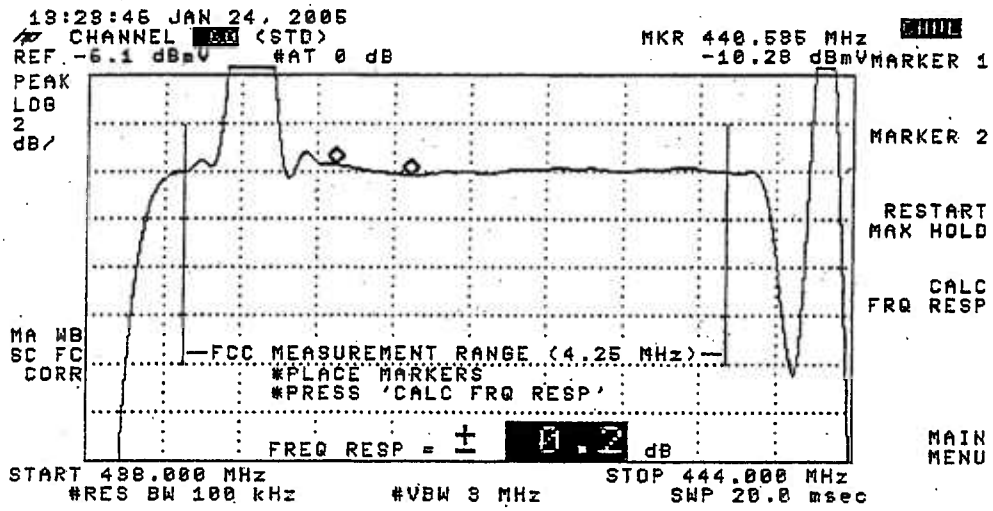

13:17:42 JAN 24, 2005
CHANNEL (STD)
REF -4.9 dBmV
#AT 0 dB
MKR 159.675 MHz
-8.86 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 156.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 162.000 MHz
SWP 20.0 msec

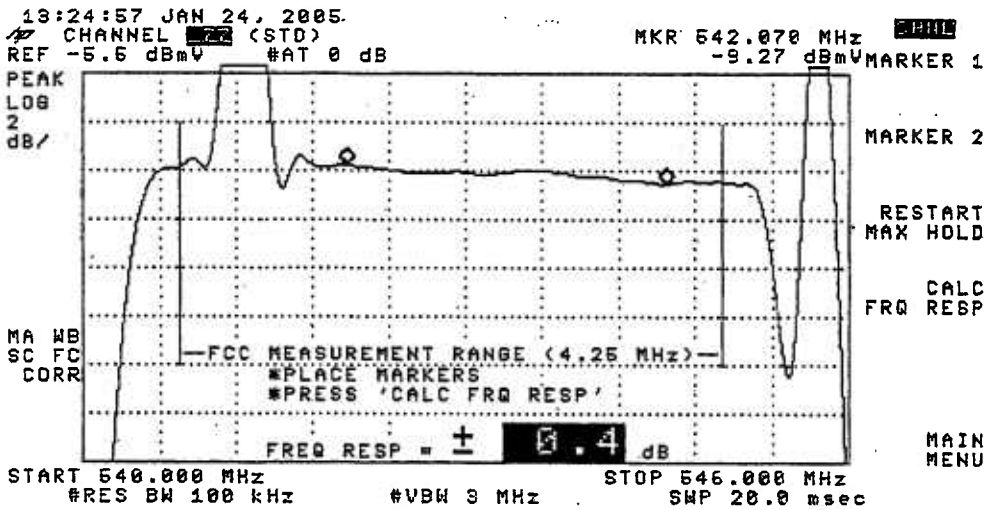

18:19:03 JAN 24, 2005
CHANNEL (STD)
REF -8.1 dBmV
#AT 0 dB
MKR 211.980 MHz
-6.67 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 210.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 216.000 MHz
SWP 20.0 msec

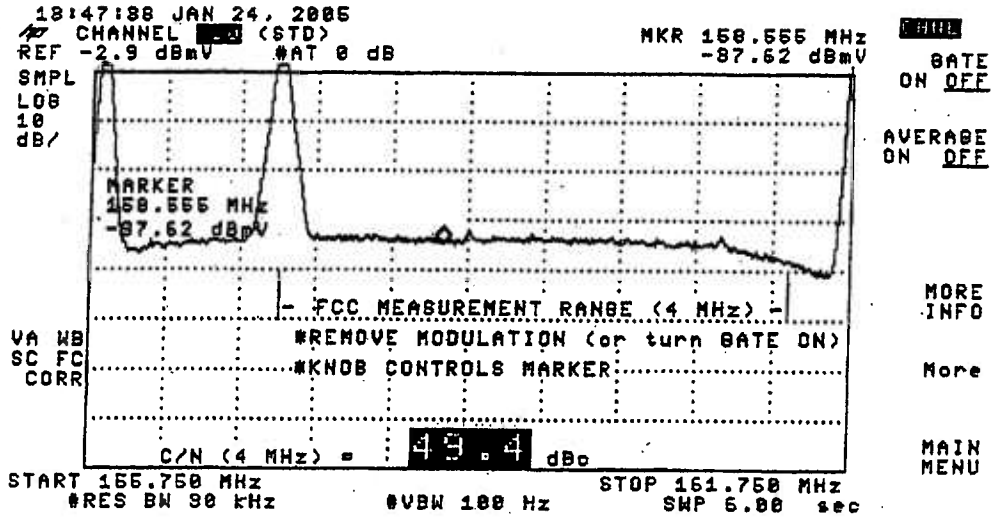

18:20:17 JAN 24, 2005
CHANNEL (STD)
REF -8.1 dBmV
#AT 0 dB
MKR 290.190 MHz
-5.91 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
START 288.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 294.000 MHz
SWP 20.0 msec

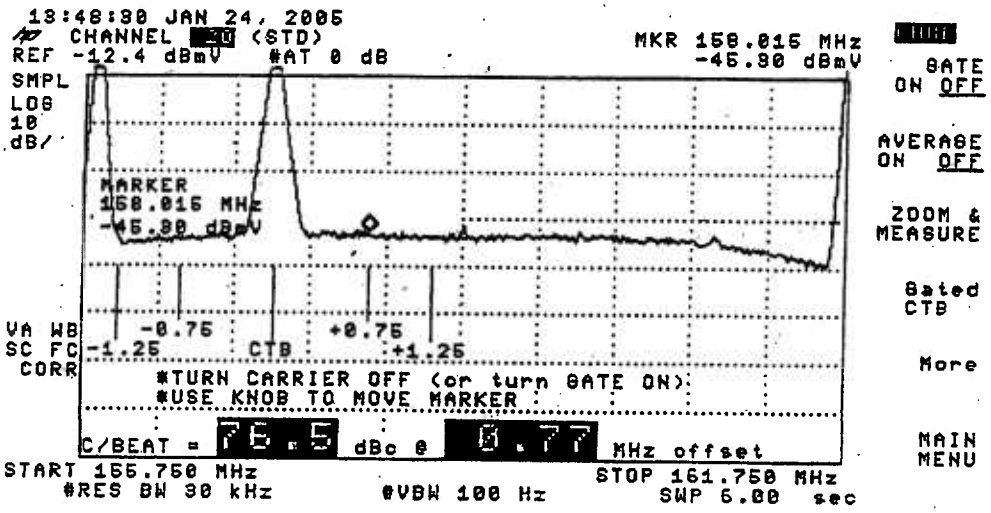

18:21:29 JAN 24, 2005
CHANNEL (STD)
REF -8.8 dBmV
#AT 0 dB
MKR 939.685 MHz
-7.98 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 936.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 942.000 MHz
SWP 20.0 msec

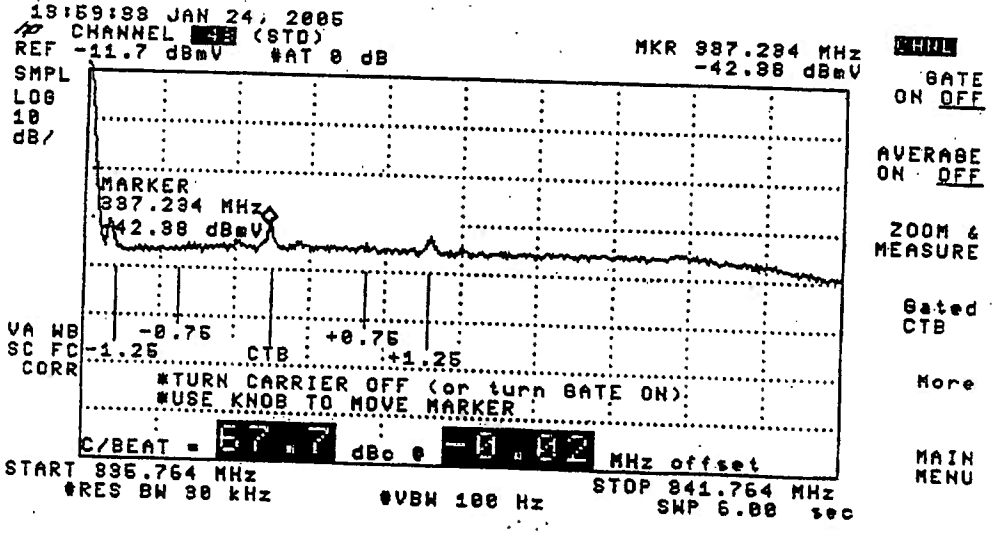

13:22:34 JAN 24, 2005
CHANNEL (STD)
REF -4.0 dBmV
#AT 0 dB
MKR 975.155 MHz
-8.18 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 972.000 MHz
STOP 978.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec

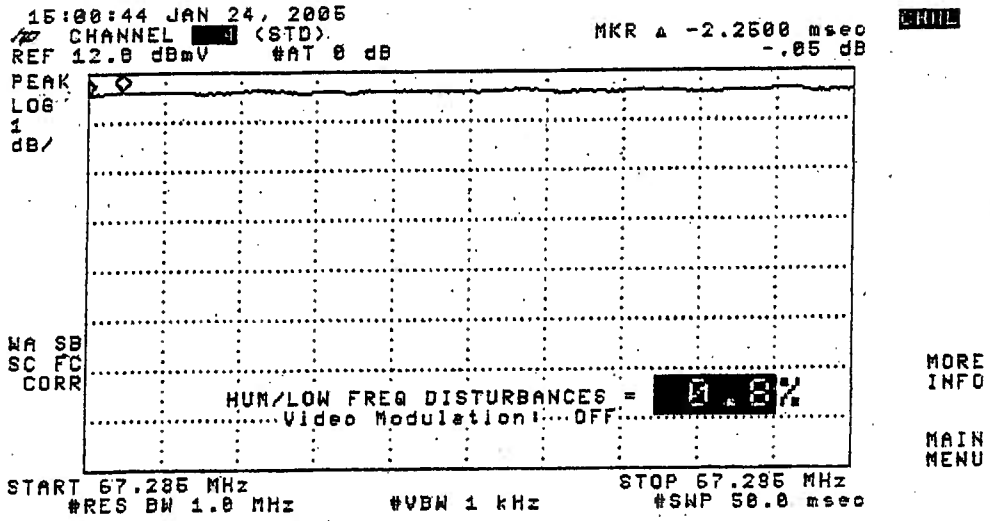

13:23:46 JAN 24, 2005
CHANNEL (STD)
REF -6.1 dBmV
#AT 0 dB
MKR 440.585 MHz
-10.28 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 438.000 MHz
STOP 444.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec


13:24:57 JAN 24, 2005
CHANNEL (STD)
REF -5.5 dBmV
#AT 0 dB
MKR 542.070 MHz
-9.27 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 = ± 0.4 dB
MAIN
MENU
START 540.000 MHz
STOP 546.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec


18:47:38 JAN 24, 2005
CHANNEL (STD)
REF -2.9 dBmV
#AT 0 dB
MKR 158.555 MHz
-87.62 dBmV
SMPL
LOG
10
dB/
MARKER
158.555 MHz
-87.62 dBmV
- FCC MEASUREMENT RANGE (4 MHz) -
#REMOVE MODULATION (or turn GATE ON)
#KNOB CONTROLS MARKER
VA WB
SC FC
CORR
C/N (4 MHz) = 49.4 dBc
START 155.750 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 161.750 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
MORE
INFO
More
MAIN
MENU


18:48:30 JAN 24, 2005
CHANNEL (STD)
REF -12.4 dBmV
#AT 0 dB
MKR 158.015 MHz
-45.30 dBmV
SMPL
LOG
10
dB/
MARKER
158.015 MHz
-45.30 dBmV
-0.75
+0.75
-1.25
CTB
+1.25
#TURN CARRIER OFF (or turn GATE ON)
#USE KNOB TO MOVE MARKER
VA WB
SC FC
CORR
C/BEAT = 76.5 dBc @ 0.77 MHz offset
START 155.750 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 161.750 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
Gated
CTB
More
MAIN
MENU


18:59:38 JAN 24, 2005
CHANNEL (STD)
REF -11.7 dBmV
#AT 0 dB
MKR 837.234 MHz
-42.38 dBmV
SMPL
LOG
10
dB/
MARKER
837.234 MHz
-42.38 dBmV
-0.75
+0.75
-1.25
CTB
+1.25
#TURN CARRIER OFF (or turn GATE ON)
#USE KNOB TO MOVE MARKER
VA WB
SC FC
CORR
C/BEAT = 67.7 dBc @ -0.02 MHz offset
START 835.764 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 841.764 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
Gated
CTB
More
MAIN
MENU


15:00:44 JAN 24, 2005
CHANNEL 4 (STD)
REF 12.0 dBmV
#AT 0 dB
MKR Δ -2.2500 msec
-.05 dB
PEAK
LOG
1
dB/
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = 0.8%
Video Modulation: OFF
START 67.285 MHz
#RES BW 1.0 MHz
#VBW 1 kHz
STOP 67.295 MHz
#SWP 50.0 msec
MORE INFO
MAIN MENU

STPOINT 19, PAGE 5

TIME WARNER CABLE - SYRACUSE DIVISION

VISUAL CARRIER LEVEL VARIATION TEST

System Name	: Syracuse	*Test Location*	: 212 Cayuga Street / Syracuse
Date	: 01/13/2005	*Performed By*	: John Ellis
Meter Serial Number	: 221999		

		TEMP F							TEMP F				
		55.00	52.00	64.00	32.00				55.00	52.00	64.00	32.00	
		TIME							TIME				
		11:00:00	16:59:00	23:00:00	05:00:00				11:00:00	16:59:00	23:00:00	05:00:00	
AN	FREQ (MHZ)	VISUAL LEVEL (DBMV)				MAX VAR	CHAN	FREQ (MHZ)	VISUAL LEVEL (DBMV)				MAX VAR
2	55.2500	12.80	12.50	12.20	12.80	0.6	DD (40)	319.2625	12.900	12.700	12.300	13.600	1.3
3	61.2500	12.70	12.50	12.40	12.90	0.5	EE (41)	325.2625	12.900	12.800	12.500	13.700	1.2
4	67.2500	12.50	12.60	12.20	12.90	0.7	FF (42)	331.2750	13.100	12.900	12.600	13.800	1.2
5	77.2500	12.90	12.90	12.50	13.20	0.7	GG (43)	337.2625	13.200	13.100	12.700	13.800	1.1
6	83.2500	12.60	12.60	12.40	13.00	0.6	HH (44)	343.2625	13.500	13.300	12.900	14.200	1.3
-5 (95)	91.2500						II (45)	349.2625	13.800	13.600	13.200	14.500	1.3
-4 (96)	97.2500						JJ (46)	355.2625	13.700	13.500	13.300	14.500	1.2
-3 (97)	103.2500						KK (47)	361.2625	13.500	13.400	12.900	14.200	1.3
-2 (98)	109.2750	13.30	13.30	13.00	13.80	0.8	LL (48)	367.2625	12.900	12.800	12.300	14.300	2
-1 (99)	115.2750	12.80	12.70	12.60	13.20	0.6	MM (49)	373.2625	12.700	12.600	12.000	13.700	1.7
A (14)	121.2625	13.40	13.30	13.20	13.70	0.5	NN (50)	379.2625	13.100	12.900	12.500	14.200	1.7
B (15)	127.2625	13.10	13.10	12.80	13.60	0.8	OO (51)	385.2625	12.800	12.500	12.200	14.000	1.8
C (16)	133.2625	13.50	13.60	13.20	14.10	0.9	PP (52)	391.2625	12.400	12.200	11.700	13.400	1.7
D (17)	139.2500	13.00	12.90	12.60	13.50	0.9	QQ (53)	397.2625	11.800	11.600	11.100	12.800	1.7
E (18)	145.2500	13.30	13.40	13.20	14.00	0.8	RR (54)	403.2500	11.900	11.600	11.200	12.600	1.4
F (19)	151.3210	13.20	13.10	12.80	13.60	0.8	SS (55)	409.2500	11.200	11.000	10.700	12.000	1.3
G (20)	157.2500	12.50	12.50	12.10	13.00	0.9	TT (56)	415.2500	10.400	10.000	9.600	11.100	1.5
H (21)	163.2500	12.60	12.70	12.30	13.40	1.1	UU (57)	421.2500	9.800	9.500	9.400	10.800	1.4
I (22)	169.2500	13.10	13.00	12.80	13.70	0.9	VV (58)	427.2500	10.300	10.000	9.800	11.500	1.7
7	175.2500	13.00	13.00	12.80	13.70	0.9	WW (59)	433.2500	10.300	10.000	10.000	11.900	1.9
8	181.2500	13.20	13.10	12.90	13.80	0.9	XX (60)	439.2500	10.100	9.800	9.700	12.000	2.3
9	187.2500	13.20	13.20	12.90	13.80	0.9	YY (61)	445.2500	10.400	10.100	10.200	12.500	2.
10	193.2500	13.80	13.90	13.70	14.50	0.8	ZZ (62)	451.2500	11.200	10.900	10.700	13.300	2.6
11	199.2500	13.80	13.70	13.60	14.70	1.1	63	457.2500	11.600	11.300	11.400	13.700	2.4
12	205.2500	13.90	13.70	13.50	14.60	1.1	64	463.2500	11.600	11.300	11.400	13.800	2.5
13	211.2500	13.60	13.60	13.20	14.40	1.2	65	469.2500	11.800	11.500	11.800	13.900	2.4
J (23)	217.2500	13.80	13.70	13.40	14.40	1	66	475.2500	11.900	11.800	11.800	14.000	2.2
K (24)	223.2500	14.00	14.00	13.70	14.80	1.1	67	481.2500	12.100	12.000	11.900	14.100	2.2
L (25)	229.2625	13.10	13.10	12.70	13.70	1	68	487.2500	12.500	12.500	12.300	14.400	2.1
M (26)	235.2625	13.20	13.60	13.30	14.20	1	69	493.2500	12.300	12.100	11.800	13.900	2.1
N (27)	241.2625	13.50	13.50	13.00	14.40	1.4	70	499.2500	12.000	11.900	11.600	13.900	2.3
O (28)	247.2625	13.60	13.60	13.20	14.60	1.4	71	505.2500	11.700	11.300	10.700	12.900	2.2
P (29)	253.2625	13.40	13.40	12.90	14.20	1.3	72	511.2500	11.500	11.400	11.000	13.100	2.1
Q (30)	259.2625	12.80	12.90	12.50	13.60	1.1	73	517.2500	10.900	10.800	10.200	12.400	2.2
R (31)	265.2625	13.20	13.20	12.90	13.80	0.9	74	523.2500	10.800	10.600	10.000	12.400	2.4
S (32)	271.2625	13.80	13.80	13.30	14.50	1.2	75	529.2500	10.800	10.800	10.100	12.200	2.1
T (33)	277.2625	13.70	13.60	13.30	14.50	1.2	76	535.2500	11.100	11.000	10.400	12.700	2.3
U (34)	283.2625	13.60	13.60	13.20	14.30	1.1	77	541.2500	11.800	11.700	10.900	13.000	2.1
V (35)	289.2625	13.10	13.10	12.80	13.90	1.1	78	547.2500	11.800	11.700	11.000	13.000	2
W (36)	295.2625	13.20	13.10	12.60	13.90	1.3	79	553.2500					
A (37)	301.2625	13.10	13.10	12.70	13.90	1.2	80	559.2500	12.300	12.100	11.400	13.400	2
B (38)	307.2625	13.10	13.40	12.60	13.90	1.3	81	565.2500					
C (39)	313.2625	13.00	12.90	12.60	13.70	1.1							

Max Non Adjacent Channel Level Diff	:- 4.5
Max Adjacent Channel Level Diff	:- 1.1
Max Variance from last proof of performance test	:- N/A
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	:	Syracuse
System Test Point #	:	20
Hub Name	:	Chimes Hub
Location	:	108 Inverness Place / Syracuse
Map Number	:	2128
Pole Number	:	Pole # 1/1
D.T. Value	:	8/4
OR Number	:	2128
GNA Cascade	:	Node + 1
LE Cscade	:	1

STPOINT 20, PAGE 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	: Syracuse	**Test Location**	: 108 Inverness Place / Syracuse
Date	: 01/13/2005	**Time**	: 11:30:00

CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)	CHANNEL	FREQ (MHZ)	VISUAL LEVEL (DBMV)	AURAL LEVEL (DBMV)	SC "S"	DIFF (DBMV)
2	55.2500	13.20	-2.20		15.4	DD (40)	319.2625	12.70	-1.60		14.3
3	61.2500	12.30	-1.70		14	EE (41)	325.2625	12.50	-1.90		14.4
4	67.2500	12.00	-3.10		15.1	FF (42)	331.2750	12.40	-2.00		14.4
5	77.2500	11.10	-3.10		14.2	GG (43)	337.2625	12.40	-2.30		14.7
6	83.2500	11.90	-2.20		14.1	HH (44)	343.2625	12.50	-1.90		14.4
A-5 (95)	91.2500	N/A	N/A		N/A	II (45)	349.2625	12.60	-1.90		14.5
A-4 (96)	97.2500	N/A	N/A		N/A	JJ (46)	355.2625	12.50	-2.10		14.6
A-3 (97)	103.2500	N/A	N/A		N/A	KK (47)	361.2625	12.70	-2.30		15
A-2 (98)	109.2750	12.40	-1.70		14.1	LL (48)	367.2625	12.00	-3.30		15.3
1 (99)	115.2750	12.10	-2.20		14.3	MM (49)	373.2625	11.70	-2.70		14.4
A (14)	121.2625	12.60	-1.50		14.1	NN (50)	379.2625	12.00	-2.10		14.1
B (15)	127.2625	12.50	-2.00		14.5	OO (51)	385.2625	11.80	-2.70		14.5
C (16)	133.2625	13.00	-1.20		14.2	PP (52)	391.2625	11.90	-2.60		14.5
D (17)	139.2500	12.40	-1.90		14.3	QQ (53)	397.2625	11.90	-2.80		14.7
E (18)	145.2500	12.80	-2.10		14.9	RR (54)	403.2500	11.80	-2.60		14.4
F (19)	151.3210	13.00	-1.40		14.4	SS (55)	409.2500	11.80	-3.00		14.8
G (20)	157.2500	12.20	-1.90		14.1	TT (56)	415.2500	11.40	-3.60		15
H (21)	163.2500	12.70	-1.80		14.5	UU (57)	421.2500	11.00	-3.10		14.1
I (22)	169.2500	12.80	-1.80		14.6	VV (58)	427.2500	11.60	-2.90		14.5
7	175.2500	13.20	-0.90		14.1	WW (59)	433.2500	11.00	-3.60		14.6
8	181.2500	13.30	-0.80		14.1	XX (60)	439.2500	10.90	-3.00		13.9
9	187.2500	13.10	-1.60		14.7	YY (61)	445.2500	11.40	-3.30		14.7
10	193.2500	13.70	-1.00		14.7	ZZ (62)	451.2500	11.80	-2.60		14.4
11	199.2500	13.80	-0.60		14.4	63	457.2500	11.80	-2.20		14
12	205.2500	13.50	-1.60		15.1	64	463.2500	12.20	-1.90		14.1
13	211.2500	13.60	-1.80		15.4	65	469.2500	12.40	-1.50		13.9
J (23)	217.2500	13.40	-1.40		14.8	66	475.2500	12.60	-1.40		14
K (24)	223.2500	13.80	-0.90		14.7	67	481.2500	13.30	-1.90		15.2
L (25)	229.2625	12.80	-1.30		14.1	68	487.2500	13.20	-1.60		14.8
M (26)	235.2625	13.10	-1.30		14.4	69	493.2500	13.20	-1.40		14.6
N (27)	241.2625	13.30	-1.30		14.6	70	499.2500	13.00	-1.70		14.7
O (28)	247.2625	13.00	-1.20		14.2	71	505.2500	13.10	-2.20		15.3
(29)	253.2625	12.90	-1.40		14.3	72	511.2500	12.70	-2.10		14.8
Q (30)	259.2625	12.60	-1.60		14.2	73	517.2500	12.40	-2.30		14.7
R (31)	265.2625	12.80	-1.80		14.6	74	523.2500	12.30	-2.20		14.5
S (32)	271.2625	13.10	-1.00		14.1	75	529.2500	12.70	-1.30		14
T (33)	277.2625	13.20	-1.10		14.3	76	535.2500	12.90	-1.10		14
U (34)	283.2625	13.20	-1.90		15.1	77	541.2500	13.50	-1.00		14.5
V (35)	289.2625	12.50	-2.80		15.3	78	547.2500	13.60	-1.10		14.7
W (36)	295.2625	12.50	-1.90		14.4	79	553.2500	N/A	N/A		N/A
AA (37)	301.2625	12.60	-1.40		14	80	559.2500	13.40	-0.20		13.6
BB (38)	307.2625	13.00	-1.50		14.5	81	565.2500	N/A	N/A		N/A
CC (39)	313.2625	12.70	-1.40		14.1						

Min Channel	:	XX(60)	10.900
Max Channel	:	11	13.800
Peak to Valley	:	2.9	

TESTPOINT 20, PAGE 3

TIME WARNER CABLE - SYRACUSE DIVISION

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

System Name : Syracuse ***Date*** : 1/24/2005

Performed By : Jeremy Bellinger

ation : 108 Inverness Place / Syracuse

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

CHANNEL NUMBER	IN CHANNEL RESPONSE	CARRIER TO NOISE RATIO	DISTORTIONS	CSO	HUM
	(+/- DB)	(DB)	(-DBC) CTB		(%)
4	0.1	47.3	63.2	77.0	0.6
14	0.1	49.8	67.6	77.5	
20	0.3	49.1	71.3	78.7	
13	0.2	50.6	71.8	77.9	
35	0.4	49.3	71.0	74.2	
43	0.3	49.1	70.4	70.0	
49	0.4	48.3	69.7	69.3	
60	0.3	48.4	69.6	68.9	
77	0.6	49.4	71.7	70.9	

TIME WARNER CABLE - SYRACUSE DIVISION

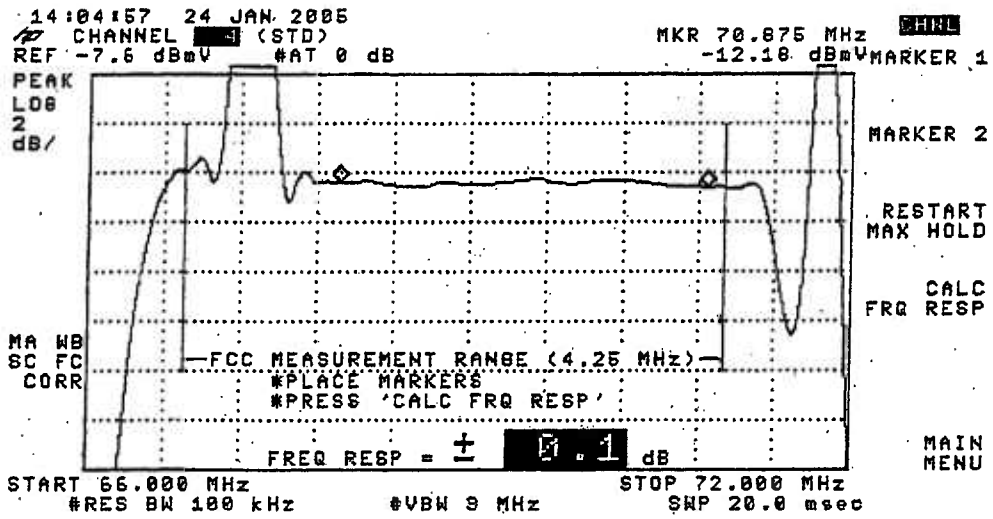
IN CHANNEL FREQUENCY RESPONSE TEST
(76.605) (a) (6)

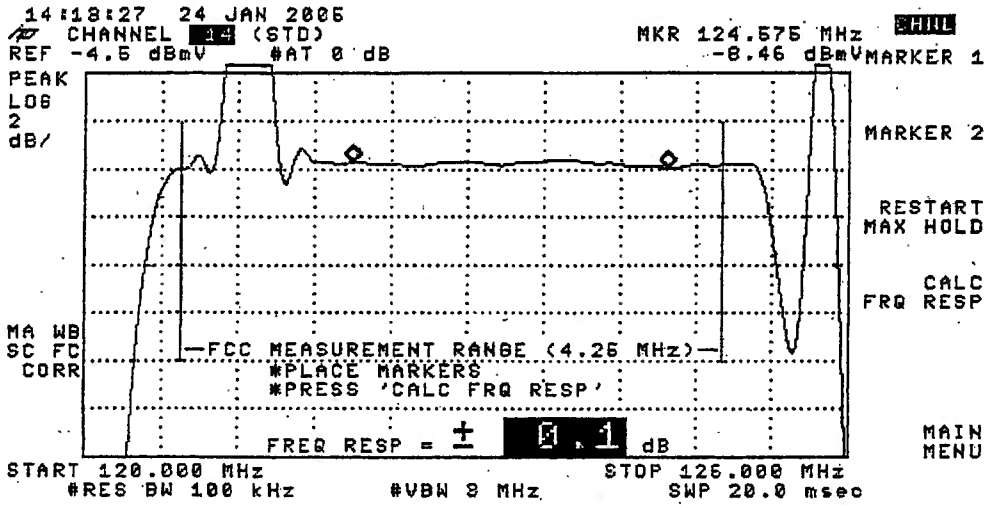
System Name : Syracuse ***Date*** : 01/24/2005

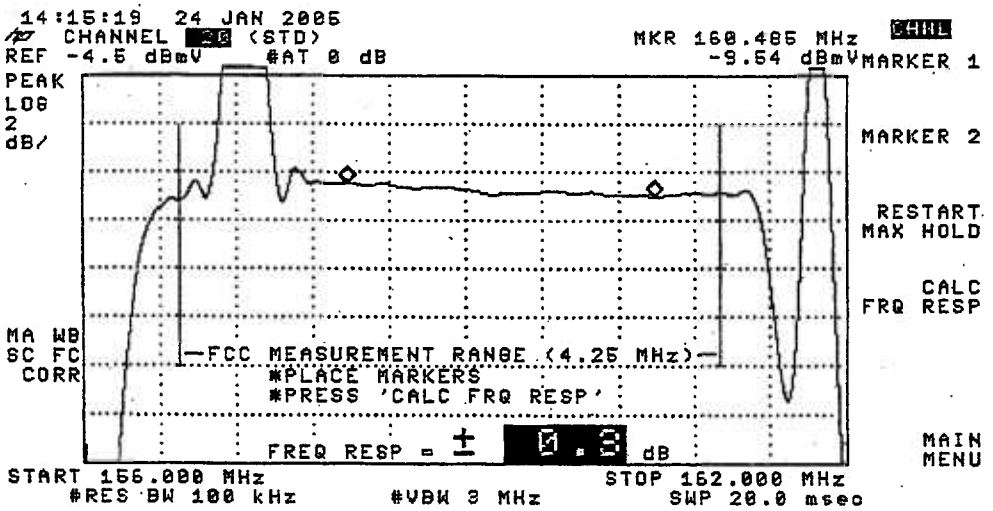
Performed By : Jeremy Bellinger

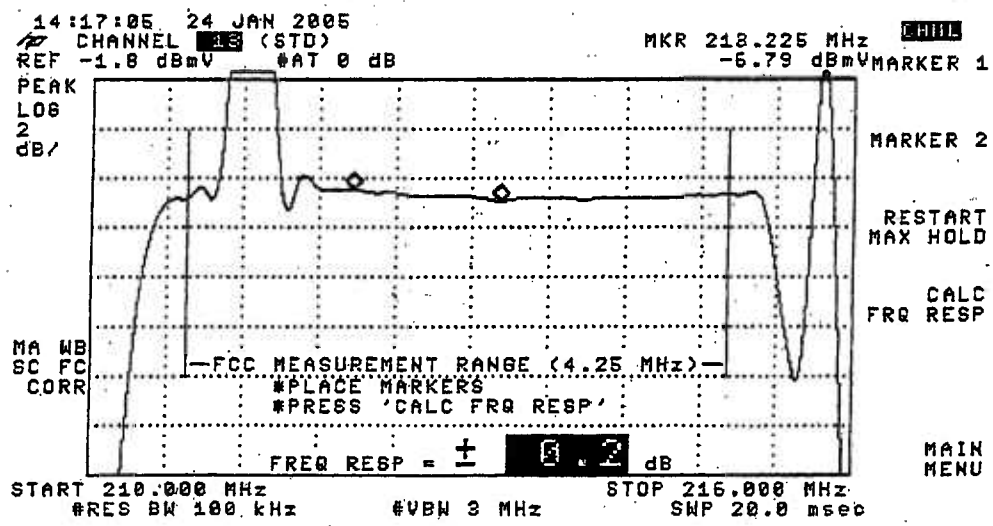
Location : 108 Inverness Place / Syracuse

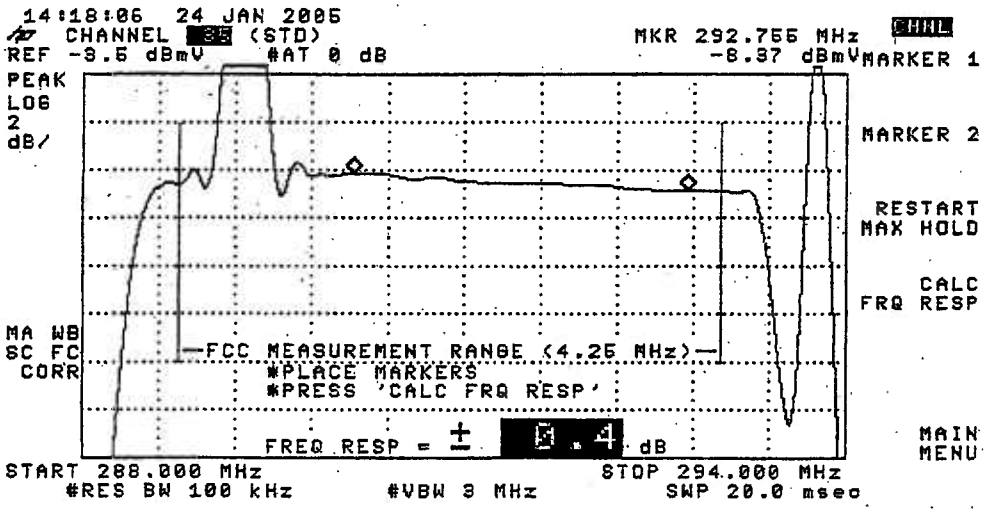
(SEE THE ATTACHED SWEEP TRACES)

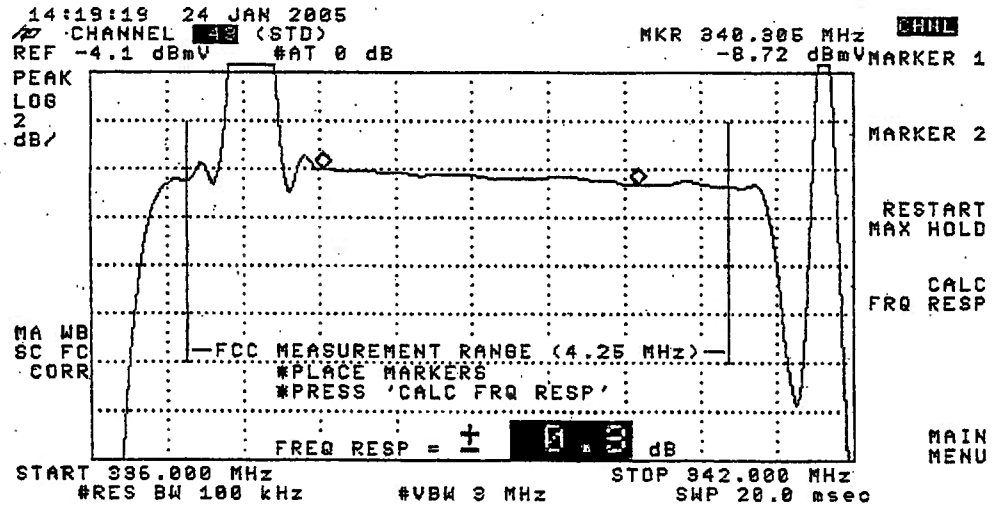

14:04:57 24 JAN 2005
CHANNEL 4 (STD)
REF -7.6 dBmV #AT 0 dB
MKR 70.875 MHz
-12.18 dBmV
CHRL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.1 dB
MAIN
MENU
START 66.000 MHz
STOP 72.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec

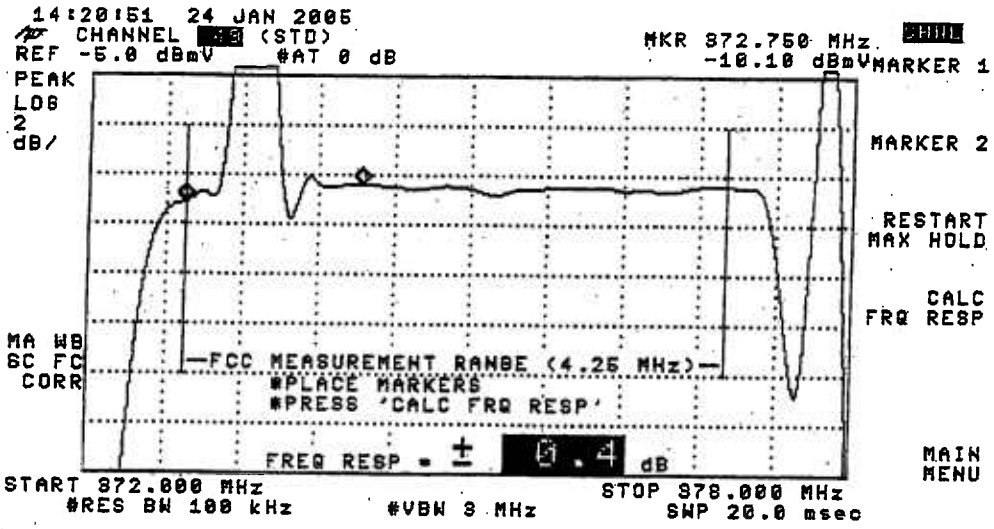

14:18:27 24 JAN 2005
CHANNEL 14 (STD)
REF -4.5 dBmV #AT 0 dB
MKR 124.575 MHz
-8.46 dBmV
CHRL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.1 dB
MAIN
MENU
START 120.000 MHz
STOP 126.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec

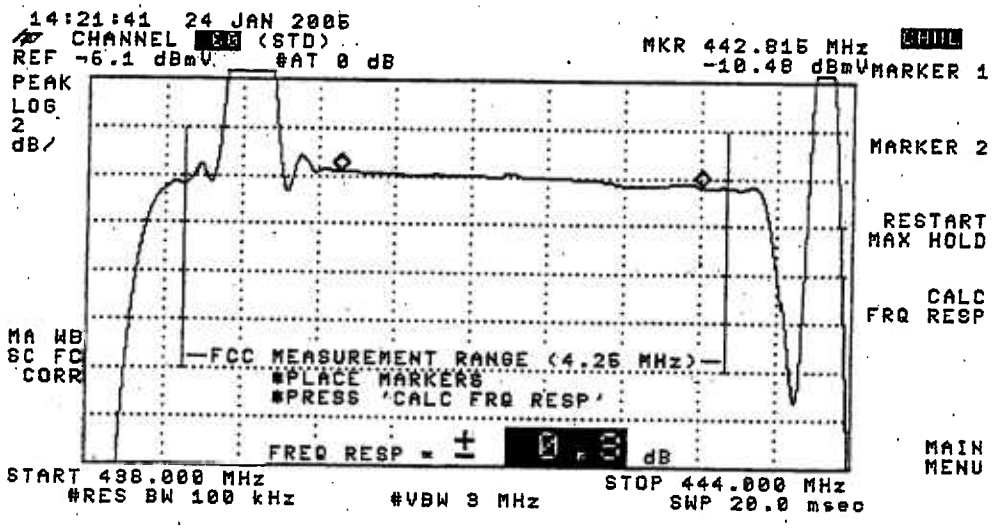

14:15:19 24 JAN 2005
CHANNEL 26 (STD)
REF -4.5 dBmV #AT 0 dB
MKR 160.485 MHz
-9.54 dBmV
CHRL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 156.000 MHz
STOP 162.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec

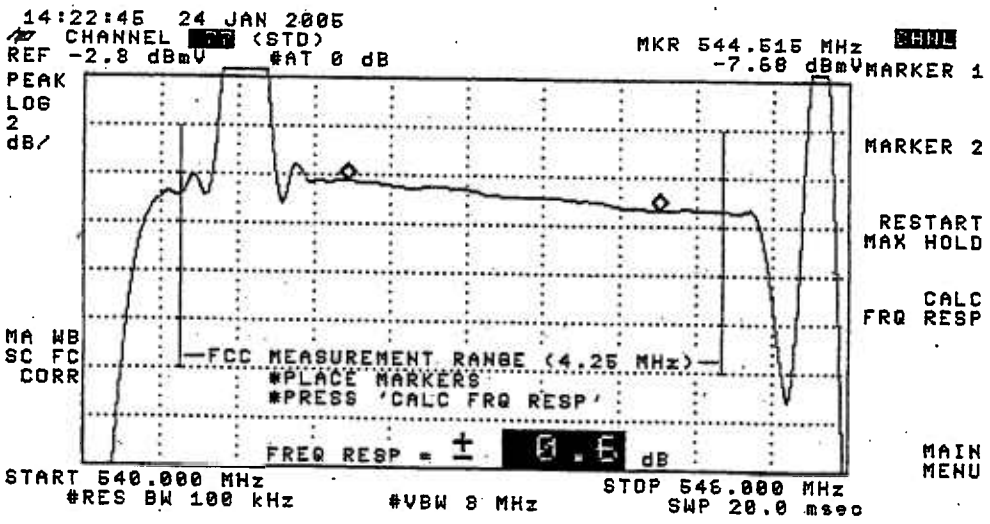

14:17:05 24 JAN 2005
CHANNEL 13 (STD)
REF -1.8 dBmV #AT 0 dB
MKR 218.225 MHz
-6.79 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.2 dB
MAIN
MENU
START 210.000 MHz
STOP 216.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec

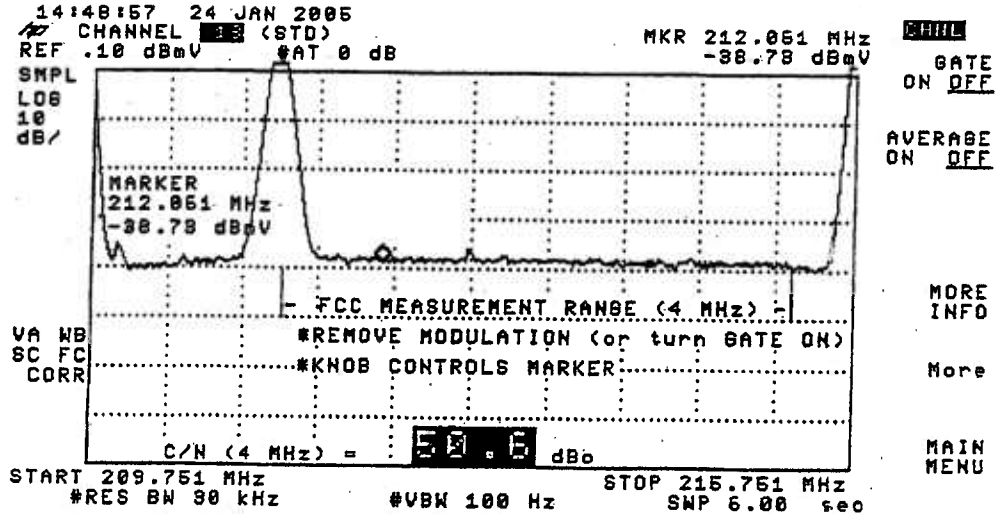

14:18:06 24 JAN 2005
CHANNEL 35 (STD)
REF -3.5 dBmV #AT 0 dB
MKR 292.755 MHz
-8.37 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 288.000 MHz
STOP 294.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec

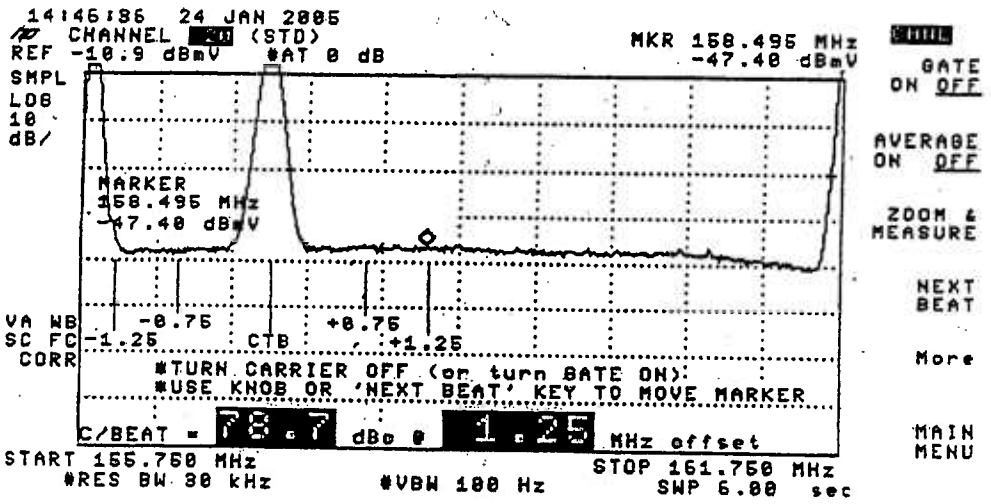

14:19:19 24 JAN 2005
CHANNEL 43 (STD)
REF -4.1 dBmV #AT 0 dB
MKR 340.305 MHz
-8.72 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 336.000 MHz
STOP 342.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec

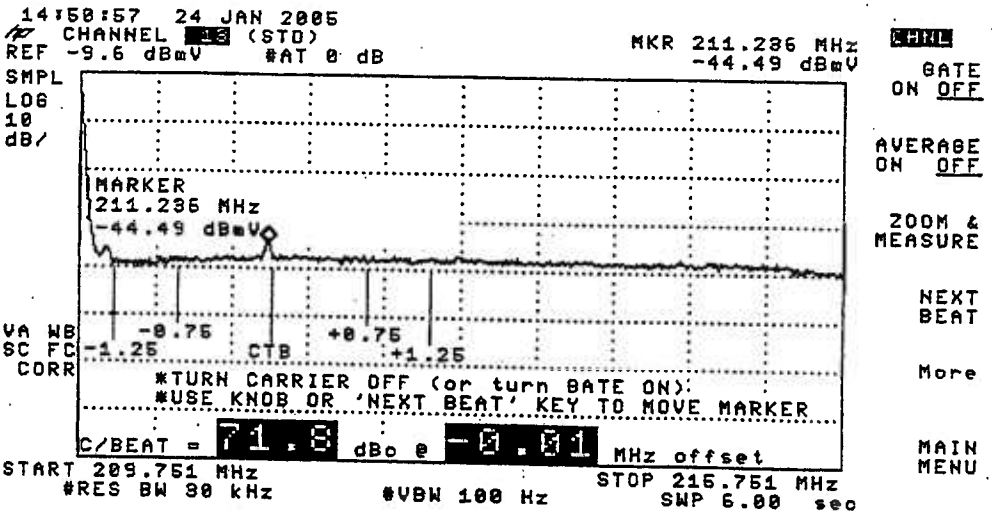

14:20:51 24 JAN 2005
CHANNEL (STD)
REF -5.0 dBmV #AT 0 dB
MKR 872.750 MHz
-10.10 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
START 872.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 878.000 MHz
SWP 20.0 msec

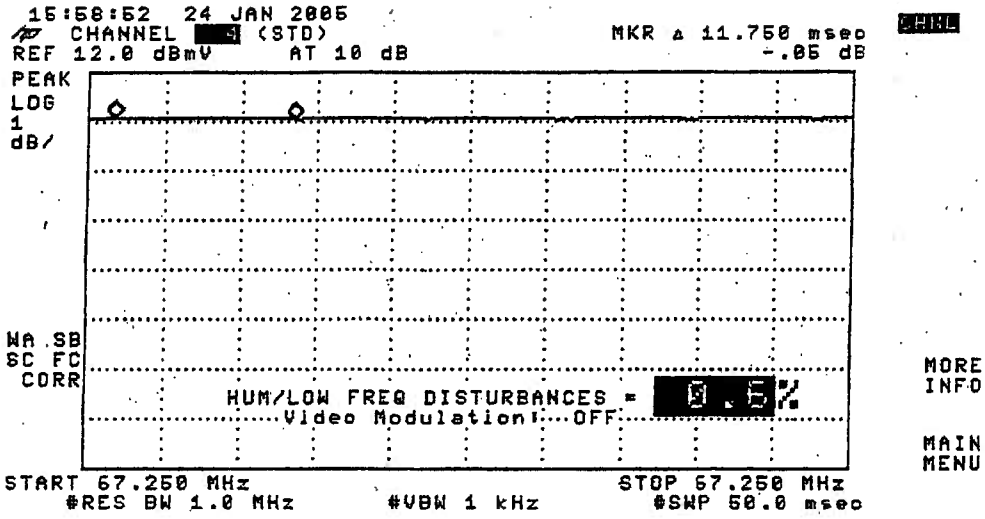

14:21:41 24 JAN 2005
CHANNEL (STD)
REF -6.1 dBmV #AT 0 dB
MKR 442.815 MHz
-10.48 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
START 438.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 444.000 MHz
SWP 20.0 msec


14:22:45 24 JAN 2005
CHANNEL (STD)
REF -2.8 dBmV #AT 0 dB
MKR 544.515 MHz
-7.68 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 = ± 0.6 dB
MAIN
MENU
START 540.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 546.000 MHz
SWP 20.0 msec


14:48:57 24 JAN 2005
CHANNEL (STD)
REF .10 dBmV
#AT 0 dB
MKR 212.061 MHz
-38.78 dBmV
SMPL
LOG
10
dB/
MARKER
212.061 MHz
-38.78 dBmV
- FCC MEASUREMENT RANGE (4 MHz) -
#REMOVE MODULATION (or turn GATE ON)
#KNOB CONTROLS MARKER
VA WB
SC FC
CORR
C/N (4 MHz) = 50.6 dBc
START 209.751 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 215.751 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
MORE
INFO
More
MAIN
MENU


14:46:36 24 JAN 2005
CHANNEL (STD)
REF -10.9 dBmV
#AT 0 dB
MKR 158.495 MHz
-47.40 dBmV
SMPL
LOG
10
dB/
MARKER
158.495 MHz
-47.40 dBmV
-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
VA WB
SC FC
CORR
C/BEAT = 78.7 dBc @ 1.25 MHz offset
START 155.750 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 161.750 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
NEXT
BEAT
More
MAIN
MENU


14:50:57 24 JAN 2005
CHANNEL (STD)
REF -9.6 dBmV
#AT 0 dB
MKR 211.236 MHz
-44.49 dBmV
SMPL
LOG
10
dB/
MARKER
211.236 MHz
-44.49 dBmV
-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
VA WB
SC FC
CORR
C/BEAT = 71.8 dBc @ -0.01 MHz offset
START 209.751 MHz
#RES BW 30 kHz
#VBW 100 Hz
STOP 215.751 MHz
SWP 6.00 sec
GATE
ON OFF
AVERAGE
ON OFF
ZOOM &
MEASURE
NEXT
BEAT
More
MAIN
MENU


15:58:52 24 JAN 2005
CHANNEL 4 (STD)
REF 12.0 dBmV
AT 10 dB
MKR Δ 11.750 msec
-.05 dB
PEAK
LOG
1
dB/
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = 0.5%
Video Modulation: OFF
MORE
INFO
MAIN
MENU
START 67.250 MHz
#RES BW 1.0 MHz
#VBW 1 kHz
STOP 67.250 MHz
#SWP 50.0 msec

:STPOINT 20, PAGE 5

TIME WARNER CABLE - SYRACUSE DIVISION

VISUAL CARRIER LEVEL VARIATION TEST

System Name	: Syracuse	*Test Location*	: 108 Inverness Place / Syracuse
Date	: 01/13/2005	*Performed By*	: John Ellis
Meter Serial Number	: 221999		

		TEMP F							TEMP F				
		56.00	52.00	64.00	32.00				56.00	52.00	64.00	32.00	
		TIME							TIME				
		11:30:00	17:31:00	23:30:00	05:30:00				11:30:00	17:31:00	23:30:00	05:30:00	
AN	FREQ (MHZ)	VISUAL LEVEL (DBMV)				MAX VAR	CHAN	FREQ (MHZ)	VISUAL LEVEL (DBMV)				MAX VAR
2	55.2500	13.20	13.00	12.30	13.80	1.5	DD (40)	319.2625	12.700	12.600	11.900	14.300	2.4
3	61.2500	12.30	12.00	11.80	13.30	1.5	EE (41)	325.2625	12.500	12.500	11.800	14.100	2.3
4	67.2500	12.00	11.90	11.50	13.10	1.6	FF (42)	331.2750	12.400	12.500	11.600	14.200	2.6
5	77.2500	11.10	11.40	11.60	13.10	2	GG (43)	337.2625	12.400	12.500	11.700	14.300	2.6
6	83.2500	11.90	11.80	11.20	12.50	1.3	HH (44)	343.2625	12.500	12.600	11.800	14.400	2.6
A-5 (95)	91.2500						II (45)	349.2625	12.600	12.600	11.700	14.300	2.6
A-4 (96)	97.2500						JJ (46)	355.2625	12.500	12.600	11.500	14.300	2.8
A-3 (97)	103.2500						KK (47)	361.2625	12.700	12.700	11.300	14.200	2.9
A-2 (98)	109.2750	12.40	12.40	11.90	13.60	1.7	LL (48)	367.2625	12.000	11.900	11.000	13.200	2.2
A-1 (99)	115.2750	12.10	12.10	11.60	13.30	1.7	MM (49)	373.2625	11.700	11.800	10.800	13.000	2.2
A (14)	121.2625	12.60	12.60	12.10	13.90	1.8	NN (50)	379.2625	12.000	12.100	11.400	13.700	2.3
B (15)	127.2625	12.50	12.50	12.00	13.70	1.7	OO (51)	385.2625	11.800	11.800	11.000	13.500	2.5
C (16)	133.2625	13.00	13.00	12.50	14.20	1.7	PP (52)	391.2625	11.900	12.000	11.200	13.900	2.7
D (17)	139.2500	12.40	12.40	11.90	13.70	1.8	QQ (53)	397.2625	11.900	11.900	11.200	13.700	2.5
E (18)	145.2500	12.80	12.90	12.40	14.20	1.8	RR (54)	403.2500	11.800	11.800	11.100	13.700	2.6
F (19)	151.3210	13.00	13.00	12.50	14.30	1.8	SS (55)	409.2500	11.800	11.800	11.000	13.700	2.7
G (20)	157.2500	12.20	12.20	11.70	13.70	2	TT (56)	415.2500	11.400	11.400	10.500	13.200	2.7
H (21)	163.2500	12.70	12.80	12.20	14.10	1.9	UU (57)	421.2500	11.000	11.100	10.400	13.000	2.6
I (22)	169.2500	12.80	12.80	12.20	14.20	2	VV (58)	427.2500	11.600	11.600	10.700	13.200	2.5
7	175.2500	13.20	13.20	12.50	14.60	2.1	WW (59)	433.2500	11.000	11.100	10.400	13.000	2.6
8	181.2500	13.30	13.20	12.70	14.70	2	XX (60)	439.2500	10.900	10.800	9.900	12.600	2.7
9	187.2500	13.10	13.20	12.50	14.70	2.2	YY (61)	445.2500	11.400	11.300	10.500	13.300	2.[illegible]
10	193.2500	13.70	13.70	13.00	15.20	2.2	ZZ (62)	451.2500	11.800	11.700	10.800	13.500	2.7
11	199.2500	13.80	13.90	13.30	15.30	2	63	457.2500	11.800	11.900	11.100	13.700	2.6
12	205.2500	13.50	13.70	12.90	15.10	2.2	64	463.2500	12.200	12.200	11.300	14.100	2.8
13	211.2500	13.60	13.70	12.90	15.20	2.3	65	469.2500	12.400	12.400	11.500	14.400	2.9
J (23)	217.2500	13.40	13.40	12.70	14.90	2.2	66	475.2500	12.600	12.500	11.800	14.500	2.7
K (24)	223.2500	13.80	13.80	13.20	15.30	2.1	67	481.2500	13.300	13.200	12.400	15.200	2.8
L (25)	229.2625	12.80	12.90	12.30	14.50	2.2	68	487.2500	13.200	13.200	12.400	15.200	2.8
M (26)	235.2625	13.10	13.40	12.50	14.80	2.3	69	493.2500	13.200	13.100	12.300	15.100	2.8
N (27)	241.2625	13.30	13.40	12.70	15.10	2.4	70	499.2500	13.000	12.900	12.100	15.000	2.9
O (28)	247.2625	13.00	13.20	12.30	14.80	2.5	71	505.2500	13.100	12.400	11.600	14.400	2.8
P (29)	253.2625	12.90	13.00	12.10	14.60	2.5	72	511.2500	12.700	12.600	11.800	14.700	2.9
Q (30)	259.2625	12.60	12.70	11.80	14.40	2.6	73	517.2500	12.400	12.300	11.300	14.200	2.9
R (31)	265.2625	12.80	12.90	12.00	14.40	2.4	74	523.2500	12.300	12.300	11.400	14.500	3.1
S (32)	271.2625	13.10	13.10	12.20	14.80	2.6	75	529.2500	12.700	12.600	11.600	14.800	3.2
T (33)	277.2625	13.20	13.30	12.40	14.90	2.5	76	535.2500	12.900	13.000	12.100	15.200	3.1
U (34)	283.2625	13.20	13.20	12.40	14.80	2.4	77	541.2500	13.500	13.400	12.400	15.500	3.1
V (35)	289.2625	12.50	12.60	11.90	14.30	2.4	78	547.2500	13.600	13.500	12.600	15.800	3.2
W (36)	295.2625	12.50	12.50	11.70	14.10	2.4	79	553.2500					
A (37)	301.2625	12.60	12.70	12.10	14.40	2.3	80	559.2500	13.400	13.100	12.000	15.300	3.3
B (38)	307.2625	13.00	12.80	12.20	14.40	2.2	81	565.2500					
C (39)	313.2625	12.70	12.80	12.10	14.50	2.4							

Max Non Adjacent Channel Level Diff	:- 3.4
Max Adjacent Channel Level Diff	:- 1
Max Variance from last proof of performance test	:- N/A
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.

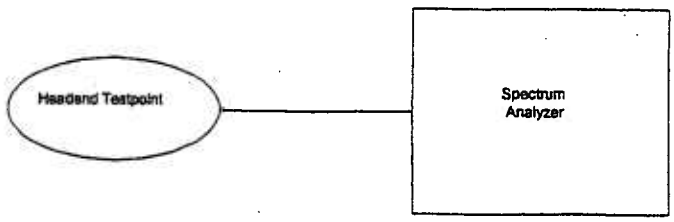
Picture Effect:

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:

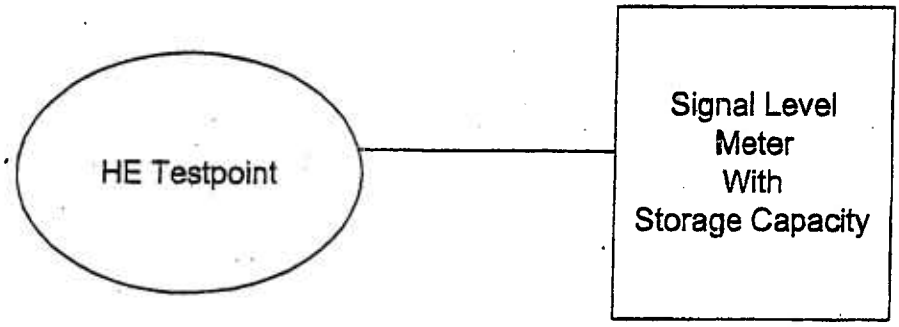
FCC: Levels and Variation Testing

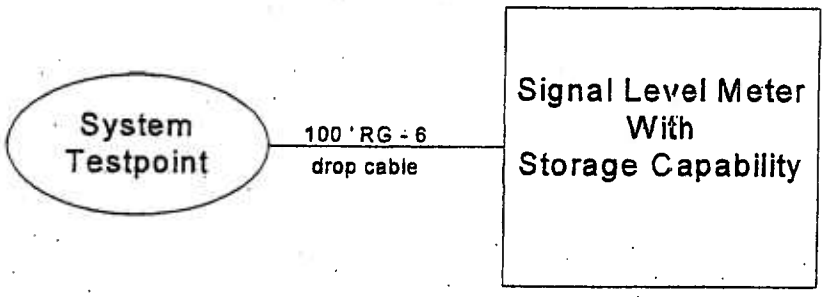
- Visual carrier level shall be no less than 0 dbmv at subscriber terminal and no less than +3 dbmv at the end of a 100' drop. FCC 76.605 (a)(3)
- Variance of adjacent (6 Mhz) visual carriers shall not vary by more than 3 db FCC 76.605(a)(4)
- Variance of non-adjacent channels video carrier levels shall 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 meter will only indicate the temperature of the meter.

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:

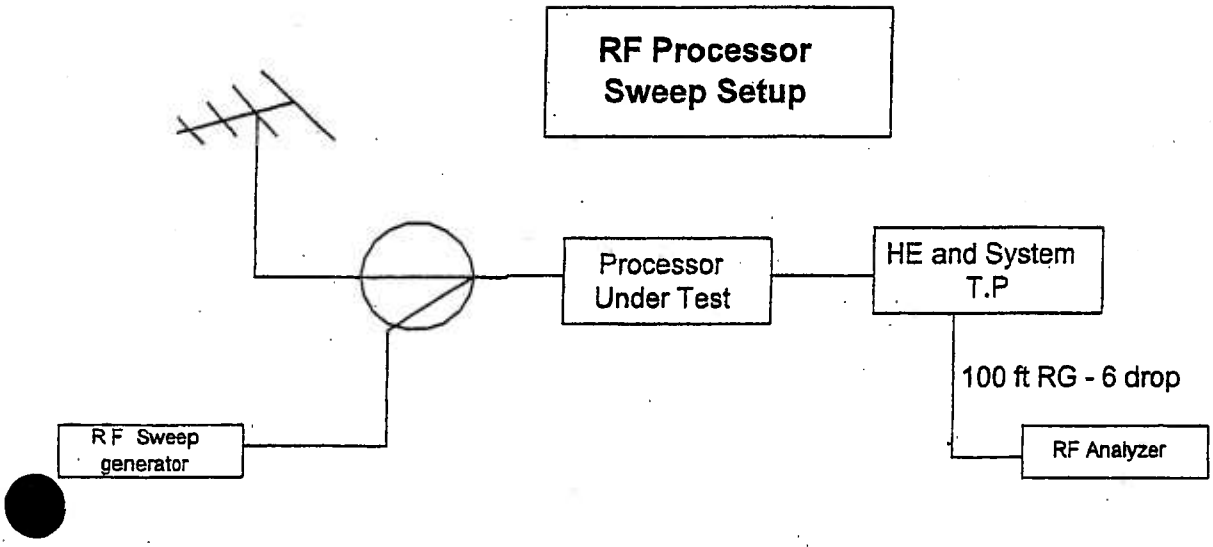
Variations can not only affect the relative amplitude of different frequency components of the visual signal, but relative visual carrier level and chroma delay. This could cause improper colors and poor picture quality.

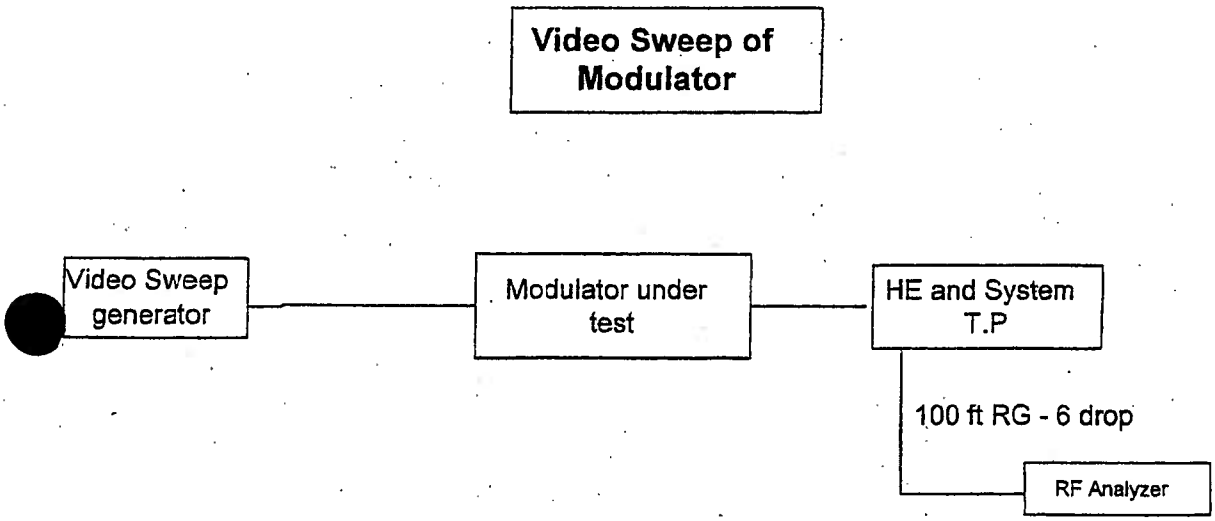
Recommended Procedures:

- 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

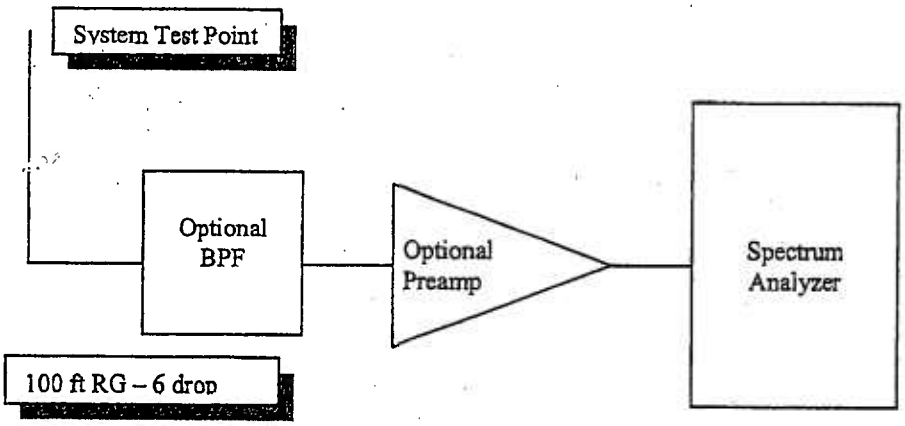
Picture Effect:

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:

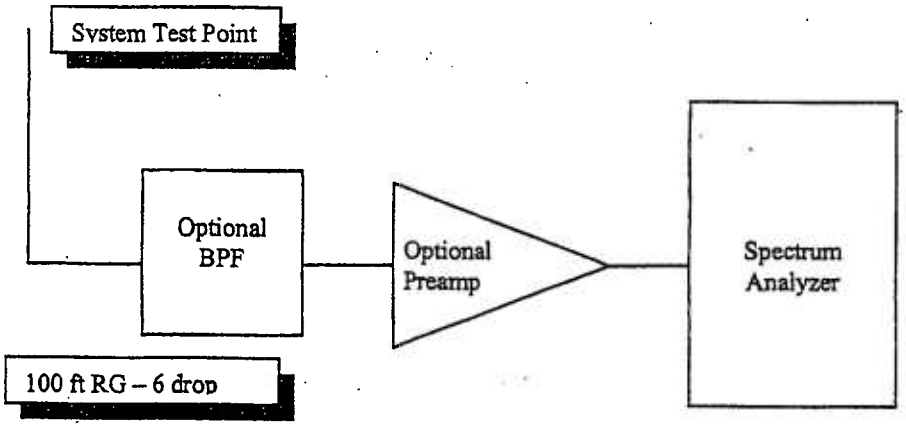
Interfering line patterns, horizontal line streaks, beats in the picture, etc.

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.



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:

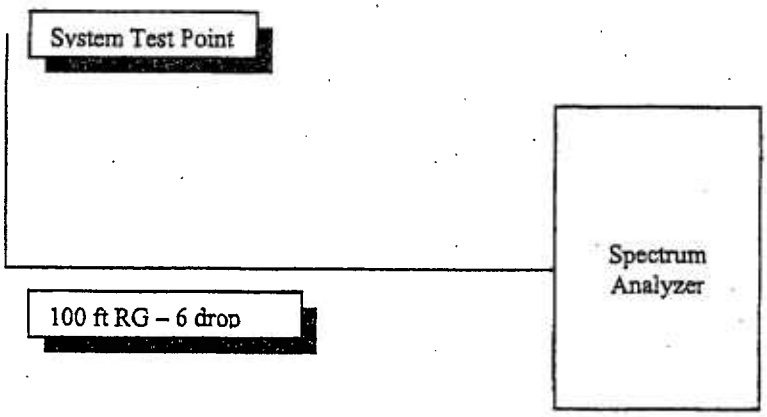


Exhibit 1

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
City of Syracuse	N/A	Town of Skaneateles	35
Hancock AFB	2	Town of Tully	365
Town of Brutus	487	Town of Van Buren	3,025
Town of Camillus	7,188	Village of Camillus	510
Town of Cato	398	Village of Cato - T. Cato	77
Town of Cicero	8,003	Village of Cato - T. Ira	Included above
Town of Clay	18,478	Village of E. Syracuse	938
Town of Dewitt	7,020	Village of Elbridge	682
Town of Elbridge	682	Village of Fayetteville	1,567
Town of Geddes	4,110	Village of Jordan	487
Town of Ira	68	Village of Liverpool	886
Town of LaFayette	1,136	Village of Manlius	2,191
Town of Lysander	3,883	Village of Marcellus	533
Town of Manlius	5,826	Village of Meridian	47
Town of Marcellus	1,380	Village of Minoa	1,041
Town of Mentz	87	Village of N. Syracuse	2,288
Town of Onondaga	6,312	Village of Phoenix	736
Town of Otisco	461	Village of Port Byron	502
Town of Pompey	939	Village of Solvay	2,337
Town of Salina	3,988	Village of Tully	386
Town of Schroeppel	Transportation	Village of Weedsport	686
Town of Granby	1,653	Town of Hannibal	754
Town of New Haven	709	Town of Palermo	808
Town of Sterling	309	Town of Volney	1,441
Village of Fair Haven	310	Village of Hannibal	186
Town of Van Buren	3,025	Village of Baldwinsville	1,042
City of Oswego	1,377	Town of Minetto	525
Town of Oswego	1,377	Town of Scriba	2,091
City of Fulton	4,023	Town of Orwell	78

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 Brutus	0.10 Miles	Town of Camillus	0.20 Miles
Town of Cato	0.40 Miles	Town of Van Buren	0.10 Miles
Town of Cicero	12.40 Miles	Town of Clay	11.24 Miles
Town of DeWitt	1.30 Miles	Village of E. Syracuse	0.10 Miles
Town of Geddes	0.10 Miles	Village of Fayetteville	0.10 Miles
Village of Liverpool	0.03 Miles	Village of Manlius	0.10 Miles
Village of Minoa	0.20 Miles	Town of Lysander	0.80 Miles
Town of Manlius	1.00 Miles	Town of Marcellus	0.10 Miles
Town of Mentz	0.03 Miles	Village of Weedsport	0.02 Miles
Town of Onondaga	0.40 Miles	Town of Otisco	0.40 Miles
Town of Pompey	0.50 Miles	City of Fulton	0.10 Miles
Town of Granby	0.50 Miles	Town of Hannibal	0.90 Miles
Town of Volney	0.60 Miles	City of Oswego	0.50 Miles
Town of Minetto	0.10 Miles	Town of Oswego	0.20 Miles
Town of Scriba	0.40 Miles		