TIME WARNER CABLE

97-T-0546

December 12, 2000

VIA CERTIFIED MAIL/
RETURN RECEIPT REQUESTED

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

Dear Ms. Diexler:

Enclosed are an original and four (4) copies of the Town of Geddes (Onondaga County) franchise renewal application, which is served by the Time Warner Cable Syracuse Division.

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

Sincerely,

Richard T. Strong
Manager of Government Affairs
enclosures

cc: Steve Miron, Vice President/General Manager Manager-Time Warner Cable Syracuse

5015 Campuswood Drive East Syracuse, NY 13057 • P.O. Box 4733 Syracuse, NY 13221 Tel 315.463.2288 Fax 315.463.6584

CABLE TELEVISION
FRANCHISE RENEWAL AGREEMENT

TOWN OF GEDDES

THIS AGREEMENT, executed in triplicate this 28th day of February, 2000, by and between the TOWN OF GEDDES, (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 5015 Campuswood Drive, P.O. Box 4733, East Syracuse, NY 13221, hereinafter referred to as "Time Warner Cable."

WITNESSETH

WHEREAS, Pursuant to the Town 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 net of franchise fees 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.

(j) "May" is permissive.

(k) "Municipality " means the Village of . 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, commencing on the later of the 28th of February, 2000 or on the date the NYSPSC approves said franchise agreement and terminating on the 28th of February, 2010.

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 an ordinance setting forth the cause and reason for the revocation and the effective date thereof, which ordinance 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 ordinance. 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 reasonable 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 in such a way as would limit its ability to continue to provide cable service to all subscribers 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 seventy-eight (78) channels. 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 school, police station, firehouse and municipally owned building which is occupied for governmental purposes, provided the connection point is no further than two hundred feet (200') from the closest feeder line of the Cable 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 5% 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 annually within one hundred twenty (120) days of the end of the company's fiscal year. 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 - GUARANTEE OF PERFORMANCE

In view of the fact that Time Warner Cable has already constructed its cable system, Time Warner Cable shall post with the Municipality a security deposit in the amount of $1 in compliance with the rules of the NYSPSC.

SECTION 21 - 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
6154 Thompson Road
Syracuse, New York 13057
Telephone: (315) 437-1425
Facsimile: (315) 463-8020

or

Time Warner Cable
Attention: Division President
5015 Campuswood Drive
East Syracuse, New York 13057
Telephone: (315) 463-2288
Facsimile: (315) 463-2088

When notices sent to Municipality:

Town of Geddes
Attention: Town Supervisor
1000 Woods Avenue
Solvay, New York 13209

SECTION 22 - 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 23 - 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 24 - 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 25 - 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 26 - 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 _____ day of _____, _____.

TIME WARNER ENTERTAINMENT-ADVANCE/NEWHOUSE PARTNERSHIP

By: _____
Officer Name

Title: _____

MUNICIPALITY: TOWN OF GEDDES

By: _____
Name

Title: _____

APPLICATION FOR AUTOMATIC 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:

5015 Campuswood Drive

P.O. Box 4733

East Syracuse, NY 13221

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

(315) 463-2288 Time Warner Cable
5015 Campuswood Drive
East Syracuse, NY 13221

(315) 363-4832 Time Warner Cable
6154 Thompson Road
P.O. Box 4791
Syracuse, NY 13221

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

Town of Geddes /Onondaga 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 Town of Geddes Certificate of Confirmation and automatic renewal of the Franchise Agreement.

Mary L. Cotter
President
Time Warner Cable - Syracuse Division

Dated:_____, 2000

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

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

MARY L. COTTER, being sworn, says:

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

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

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

Mary L. Cotter

Sworn to before me this

_____ day of _____, 2000

_____
Notary Public

EXHIBIT A

TIME WARNER CABLE

Effective 1/1/00

Channel Lineup Card

SYRACUSE

2 Program Guide
3 WSTM-3 (Syracuse, NBC) 🎧
4 WSPX-56 (Syracuse, PAX) 🎧
5 WTVH-5 (Syracuse, CBS)
6 QVC
7 WNYS-43 (Syracuse, IND) 🎧
8 WSYT-68 (Syracuse, FOX) 🎧
9 WIXT-9 (Syracuse, ABC)
10 WCNY-24 (Syracuse, PBS) 🎧
11 WCNY II (Syracuse, PBS)
12 Public Access
13 Time Warner Thirteen/System Info
14 Syracuse Video Classifieds
15 HBO 🎧
16 TBS 🎧
17 WPIX (New York City, WB) 🎧
18 WGN (Chicago, IND) 🎧
19 Animal Planet
20 FOX Family 🎧
21 fX Network 🎧
22 CNN
23 CNN Headline News
24 ESPN
25 ESPN 2
26 TNN: Nashville Network 🎧
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-SPAN 2
37 CNBC
38 MSNBC
39 E! Entertainment TV
40 The Weather Channel
41 Travel Channel
42 HSN: Home Shopping
43 Odyssey
44 EWTN: Eternal Word TV
45 TNT
46 Food Network
47 TV Land 🎧
48 BET: Black Entertainment Television 🎧
49 TLC: The Learning Channel
50 Comedy Central
51 Cartoon Network
52 Court TV
53 Sci-Fi Channel
54 FoxSports New York
55 AMC: American Movie Classics 🎧
56 MSG: Madison Square Garden
57 The Golf Channel
58 Pay-Per-View Previews
59 CNNfn
60 HGTV: Home & Garden TV
61 Empire Sports Network
62 The History Channel 🎧
63 TCM: Turner Classic Movies 🎧
64 Encore 🎧
66 HBO Plus 🎧
67 HBO Signature 🎧
68 Cinemax 🎧
69 More Max 🎧
70 The Movie Channel 🎧
71 The Disney Channel 🎧
72 Showtime 🎧
73 Time Warner Home Theater: VC1 🎧
74 Time Warner Home Theater: VC5 🎧
75 International Channel 🎧
76 Spice (Adult)
77 STARZ! 🎧
78 Bravo 🎧
79 ESPN Classic 🎧
80 Univision 🎧
— *Music Choice*

🎧 = Stereo

Bold: Premium Channels
Italic: Pay-Per-View

6154 Thompson Rd.
P.O. Box 4791
Syracuse, New York 13221
315-437-1401
www.twcny.com

SY-CL(12/99)

Syracuse

EXHIBIT B

TIME WARNER CABLE

Effective 1/1/00

Rates & Services

	Total Channels	Per Month
A. CABLE SERVICE:		
Basic Cable Package:	12	$ 7.11
Basic / SuperStation Package:	16	$ 9.61
Standard Cable Package:(Includes Basic/SuperStation)	59	$ 34.45
Cable ValuePak***	7	$ 4.00
Additional Outlet:		No Charge
Channel Guide		$ 2.75
B. PREMIUM (PAY) TV & SERVICES:		
Home Box Office		$ 9.50
Cinemax		$8.00/$6.25 †
The Disney Channel		$8.00/$6.25 †
Showtime		$8.00/$6.25 †
The Movie Channel		$8.00/$6.25 †
STARZ!		$12.95 †††
Music Choice		$8.00/$6.25 †
†$6.25 if taken as a second Premium Channel		
††† Multiple discounts apply when purchased in combination with other premium services.		
C. DIGITAL CABLE PACKAGES***		
Full Digital Cable Service*		$ 10.95
Digital Plus*		$ 9.95
Digital Encore Movie Pak*		$ 9.95
Digital Navigator Package		$ 2.95
Digital Programming on Additional Outlet (each)		$ 1.95
Digital Home Terminal with remote control (each)		$ 3.48
* Includes both Cable ValuePak and Digital Navigator packages.		
D. EQUIPMENT CHARGES (plus tax as applicable):		
Non-addressable Converter		$ .88
Addressable Converter		$ 3.12
Remote Control (Requires Converter)		$ .36
Assurance Plan (Currently only available in Baldwinsville/Schroeppel)		$ .50
E. INSTALLATION CHARGES (plus tax as applicable):**		
New Installation, Unwired		$ 37.97
New Installation, Wire-in		$ 24.44
Installation of Additional Sets		$ 23.86
Installation of Additional Sets with Primary Install		$ 14.02
Upgrades, downgrades, reconnects, relocates, maintenance/ service calls or any other service requiring a truck roll		$ 21.94
Electronic Charge/Switches		$ 1.99
Hourly Service Charge (for non-standard installations and non-system related service calls)		$ 35.01

**Note: Charges apply to standard residential installations. Downgrade charges are generally assessed when a customer changes from Standard to Basic Cable service. Other Downgrade Service charges and Maintenance/Service Call charges may be assessed when a trip to the subscriber's premises is requested or required due to damages caused by customer neglect or for non-cable related problems or service. The foregoing rates do not include franchise fees which can range from 0 to 5% depending on the community in which you live, nor FCC regulatory fees of several cents per month, or state sales tax (where applicable).

Rates apply to Standard Residential Accounts only.

*An addressable converter is required for Cable Value, certain Premium channels, and Pay-Per-View channels.

Basic Cable Package required for all service levels.

*** Standard Cable required for this service

Time Warner Cable
6154 Thompson Road, Box 4791, Syracuse, New York 13221
(315) 437-1401
or email us at
syracuse.cable@twcable.com

Time Warner Cable Syracuse Channel Guide

Effective 1/1/00

BASIC CABLE ..... $7.11/mo.

2	Program Guide
3	WSTM-3 (Syracuse, NBC)
4	WSPX-56 (Syracuse, PAX)
5	WTVH-5 (Syracuse, CBS)
7	WNYS-43 (Syracuse, IND)
8	WSYT-68 (Syracuse, FOX)
9	WIXT-9 (Syracuse, ABC)
10	WCNY-24 (Syracuse, PBS)
11	WCNY II (Syracuse, PBS)
12	Public Access
13	Time Warner Thirteen/System Info
14	Syracuse Video Classifieds

SUPERSTATION CHANNELS ..... $2.50/mo.

16	TBS
17	WPIX (New York City, WB)
18	WGN (Chicago, IND)
19	Animal Planet

STANDARD CHANNELS ..... $24.84/mo.

6	QVC
20	Fox Family
21	fX Network
22	CNN
23	CNN Headline News
24	ESPN
25	ESPN 2
26	TNN: Nashville Network
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-SPAN 2
37	CNBC
38	MSNBC
39	El Entertainment TV
40	The Weather Channel
41	Travel Channel
42	HSN: Home Shopping
43	Odyssey
44	EWTN: Eternal Word TV
45	TNT
46	Food Network
47	TV Land
48	BET: Black Entertainment Television
49	TLC: The Learning Channel
50	Comedy Central

STANDARD CHANNELS continued

51	Cartoon Network
52	Court TV
53	Sci-Fi Channel
54	FoxSports New York
55	AMC: American Movie Classics
58	Pay-Per-View Previews
59	CNNfn
60	HGTV: Home & Garden TV
61	Empire Sports Network
75	International Channel
80	Univision

CABLE VALUEPAK ..... $4.00/mo.

56	MSG: Madison Square Garden
57	The Golf Channel
62	The History Channel
63	TCM: Turner Classic Movies
64	Encore
78	Bravo
79	ESPN Classic

PREMIUM CHANNELS

15	HBO	$9.50/mo.
66	HBO Plus	FREE*
67	HBO Signature	FREE*
68	Cinemax	$8.00**
69	More Max	FREE*
70	The Movie Channel	$8.00**
71	The Disney Channel	$8.00**
72	Showtime	$8.00**
77	STARZ!	$12.95***
—	Music Choice	$8.00**

** $6.25 as a second Premium Channel.

*** Multiple discounts apply when purchased in combination with other premium services.

TIME WARNER HOME THEATER: PAY PER VIEW

73	VC1 (1-800-723-4483)
74	VC5 (1-800-723-4484)
76	Spice (10pm-6am)(1-800-723-4486)

Rates shown do not include equipment charges, local franchise fees and taxes where applicable.

An addressable converter is required to order PPV movies & events, and to subscribe to our Cable ValuePak or Premium Channels (except HBO).

*Offered at no charge with certain multi-pay combinations

= Stereo

Syracuse / Suburbs

CURRENT ANNUAL PERFORMANCE TEST

	FCC PROOF OF PERFORMANCE - BACKGROUND
	TERMINAL ISOLATION SPECIFICATIONS
C	CONVERTER & TRAP SPECIFICATIONS
D	PROOF OF PERFORMANCE - HEADEND TESTS
E	TEST PT # 1 - OSTRANDER RD
F	TEST PT # 2 - RT 48
G	TEST PT # 3 - COUNTRY LN
H	TEST PT # 4 - VAN BUREN RD
I	TEST PT # 5 - BRICKYARD RD
J	TEST PT # 6 - BENNETT CORNERS RD
K	TEST PT # 7 - WHITING RD
L	TEST PT # 8 - MCCLARY RD
M	TEST PT # 9 - FLY RD
	TEST PT #10 - 7544 EAST TAFT RD
	TEST PT #11 - 6524 EAST TAFT RD
P	TEST PT #12 - 108 VICTORIA PK DR
Q	TEST PT #13 - 109 PATRICIA DR
R	TEST PT #14 - RTE 104
S	TEST PT #15 - FRAVOR RD
T	SYR. DIV. TESTING PROCEDURES & SPECS.
U	
V	
W	
X	
Y	
Z	

TIME WARNER CABLE
SYRACUSE DIVISION

CATV

Proof - of - Performance Tests

System Name: TIME WARNER - SYRACUSE SYSTEM

Plant Mileage: 2,831.0 **As of** August 2000

Basic Subscribers: 123,736 **As of** August 2000

System Bandwidth: 550 Mhz **As of** August 2000

Number of Channels Tested: 9

Number of Test Points: 15

Test Start Date: July 12, 2000

Test Completion Date: August 24, 2000

TIME WARNER CABLE--SYRACUSE DIVISION

SYSTEM NAME: Syracuse DATE: August 2000

FCC TESTING SUMMARY

Changes Since Last Proof of Performance:

Digital services occupy frequency bandwidth from 580 Mhz to 723Mhz.

The Burdick St. headend was converted from a full headend to a hub site. This is now fed from the Geddes headend.

Test Results:

All test results were favorable.

Miscellaneous:

Time Warner Syracuse system includes, Syracuse, Fulton, Seneca, Oswego, and Central Square.

The Central Square channel line-up is the same as the Oswego system.

TIME WARNER CABLE–SYRACUSE DIVISION

SYSTEM NAME: Fulton **DATE:** August 2000

ACTUAL CHAN	CARRIER FREQ	CONV CHAN	TYPE	SCRAM "Y"	VITS "Y"	CALL LTR	PROG SOURCE
2	55.2500	2	TV		Y	PREV	PREVUE GDE
3	61.2500	3	TV		Y	WSTM	OFF-AIR
4	67.2500	4	TV		Y	WSPX	OFF-AIR
5	77.2500	5	TV		Y	WTVH	OFF-AIR
6	83.2500	6	TV		Y	HBO	SATELLITE
A-5	91.2500						
A-4	97.2500						
A-3	103.2500						
A-2	109.2750	80	TV			UNIVISION	SATELLITE
A-1	115.2750	79	TV	Y		ESPN CLASSICS	SATELLITE
A	121.2625	14	TV			CACS	IN-HOUSE
B	127.2625	15	TV			MKTG	IN-HOUSE
C	133.2625	16	TV			WTBS	SATELLITE
D	139.2500	17	TV		Y	WPIX	SATELLITE
E	145.2500	18	TV			WGN	SATELLITE
F	151.3210	19	TV		Y	ANIMAL PLANET	SATELLITE
G	157.2500	20	TV		Y	FAMILY	SATELLITE
H	163.2500	21	TV		Y	FX	SATELLITE
I	169.2500	22	TV		Y	CNN	SATELLITE
7	175.2500	7	TV			WNYS	OFF-AIR
8	181.2500	8	TV		Y	WSYT	OFF-AIR
9	187.2500	9	TV		Y	WIXT	OFF-AIR
10	193.2500	10	TV			WCNY	OFF-AIR
11	199.2500	11	TV			WCNY2	FROM WCNY
12	205.2500	12	TV			ACCESS	IN-HOUSE
13	211.2500	13	TV			WNLO	LOCAL ORIG
J	217.2500	23	TV		Y	HNN	SATELLITE
K	223.2500	24	TV		Y	ESPN	SATELLITE
L	229.2625	25	TV		Y	ESPN 2	SATELLITE
M	235.2625	26	TV		Y	TNN	SATELLITE
N	241.2625	27	TV		Y	CMTV	SATELLITE
O	247.2625	28	TV		Y	MTV	SATELLITE
P	253.2625	29	TV		Y	VH-1	SATELLITE
Q	259.2625	30	TV		Y	LIFE	SATELLITE
R	265.2625	31	TV		Y	USA	SATELLITE
S	271.2625	32	TV		Y	DISC	SATELLITE
T	277.2625	33	TV		Y	A&E	SATELLITE
U	283.2625	34	TV		Y	NICK	SATELLITE
V	289.2625	35	TV			CSPAN	SATELLITE
W	295.2625	36	TV			CSPAN 2	SATELLITE
AA	301.2625	37	TV		Y	CNBC	SATELLITE
BB	307.2625	38	TV		Y	MSNBC	SATELLITE
CC	313.2625	39	TV			E! TV	SATELLITE
DD	319.2625	40	TV		Y	TWC	SATELLITE
EE	325.2625	41	TV		Y	TRAVEL	SATELLITE
FF	331.2750	42	TV		Y	HSN	SATELLITE
GG	337.2625	43	TV		Y	ODYSSEY	SATELLITE
HH	343.2625	44	TV			EWTN	SATELLITE
II	349.2625	45	TV			TNT	SATELLITE
JJ	355.2625	46	TV			TV FOOD	SATELLITE
KK	361.2625	47	TV			QVC	SATELLITE
LL	367.2625	48	TV		Y	BET	SATELLITE
MM	373.2625	49	TV		Y	TLC	SATELLITE
NN	379.2625	50	TV		Y	COMEDY	SATELLITE
OO	385.2625	51	TV		Y	CARTOON	SATELLITE
PP	391.2625	52	TV			COURT	SATELLITE
QQ	397.2625	53	TV		Y	SCI-FI	SATELLITE
RR	403.2500	54	TV		Y	SPORTS CH	SATELLITE
SS	409.2500	55	TV			AMC	SATELLITE
TT	415.2500	56	TV	Y		MSG	SATELLITE
UU	421.2500	57	TV	Y	Y	GOLF	SATELLITE
VV	427.2500	58	TV		Y	SNEAK	SATELLITE
WW	433.2500	59	TV			CNNfN	SATELLITE
XX	439.2500	60	TV			HGTV	SATELLITE
YY	445.2500	61	TV			TVLAND	SATELLITE
ZZ	451.2500	62	TV	Y		HIST	SATELLITE
63	457.2500	63	TV	Y	Y	TCM	SATELLITE
64	463.2500	64	TV	Y		ENCORE	SATELLITE
65	469.2500	65	TV			EMPIRE SPORTS	SATELLITE
66	475.2500	66	TV	Y		HBO 2	SATELLITE
67	481.2500	67	TV	Y		HBO 3	SATELLITE
68	487.2500	68	TV	Y		CMX	SATELLITE
69	493.2500	69	TV	Y		CMX 2	SATELLITE
70	499.2500	70	TV	Y		STARZ	SATELLITE
71	505.2500	71	TV	Y		DISNEY	SATELLITE
72	511.2500	72	TV	Y	Y	SHOW	SATELLITE
73	517.2500	73	TV	Y		V-CHOICE	SAT PPV
74	523.2500	74	TV	Y		HITS †	SAT PPV
75	529.2500	75	TV			INTL CH.	SATELLITE
76	535.2500	76	TV	Y		SPICE	SAT PPV
77	541.2500	77	TV			LEASED ACCESS	IN-HOUSE
78	547.2500	78	TV	Y		BRAVO	SATELLITE

TIME WARNER CABLE--SYRACUSE DIVISION

SYSTEM NAME: Oswego **DATE:** August 2000

ACTUAL CHAN	CARRIER FREQ	CONV CHAN	TYPE	SCRAM "Y"	VITS "Y"	CALL LTR	PROG SOURCE
2	55.2500	2	TV		Y	PREV	PREVUE GDE
3	61.2500	3	TV		Y	WSTM	OFF-AIR
4	67.2500	4	TV		Y	WSPX	OFF-AIR
5	77.2500	5	TV		Y	WTVH	OFF-AIR
6	83.2500	6	TV		Y	PUBLIC ACCESS	IN-HOUSE
A-5	91.2500						
A-4	97.2500						
A-3	103.2500						
A-2	109.2750						
A-1	115.2750	79	TV	Y		ESPN CLASSICS	SATELLITE
A	121.2625	14	TV			GOV/ACCESS	IN-HOUSE
B	127.2625	15	TV		Y	HBO	SATELLITE
C	133.2625	16	TV			WTBS	SATELLITE
D	139.2500	17	TV		Y	WPIX	SATELLITE
E	145.2500	18	TV			CNNFN	SATELLITE
F	151.3210	19	TV		Y	ANIMAL PLANET	SATELLITE
G	157.2500	20	TV		Y	FAMILY	SATELLITE
H	163.2500	21	TV		Y	FX	SATELLITE
I	169.2500	22	TV		Y	CNN	SATELLITE
7	175.2500	7	TV			WNYS	OFF-AIR
8	181.2500	8	TV		Y	WSYT	OFF-AIR
9	187.2500	9	TV		Y	WIXT	OFF-AIR
10	193.2500	10	TV			WCNY	OFF-AIR
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13	211.2500	13	TV			WNLO	LOCAL ORIG
J	217.2500	23	TV		Y	HNN	SATELLITE
K	223.2500	24	TV		Y	ESPN	SATELLITE
L	229.2625	25	TV		Y	ESPN 2	SATELLITE
M	235.2625	26	TV		Y	TNN	SATELLITE
N	241.2625	27	TV		Y	CMTV	SATELLITE
O	247.2625	28	TV		Y	MTV	SATELLITE
P	253.2625	29	TV		Y	VH-1	SATELLITE
Q	259.2625	30	TV		Y	LIFE	SATELLITE
R	265.2625	31	TV		Y	USA	SATELLITE
S	271.2625	32	TV		Y	DISC	SATELLITE
T	277.2625	33	TV		Y	A&E	SATELLITE
U	283.2625	34	TV		Y	NICK	SATELLITE
V	289.2625	35	TV			CSPAN	SATELLITE
W	295.2625	36	TV			CSPAN 2	SATELLITE
AA	301.2625	37	TV		Y	CNBC	SATELLITE
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CC	313.2625	39	TV			E! TV	SATELLITE
DD	319.2625	40	TV		Y	TWC	SATELLITE
EE	325.2625	41	TV			TV LAND	SATELLITE
FF	331.2750	42	TV		Y	HSN	SATELLITE
GG	337.2625	43	TV		Y	ODYSSEY	SATELLITE
HH	343.2625	44	TV			EWTN	SATELLITE
II	349.2625	45	TV			TNT	SATELLITE
JJ	355.2625	46	TV			TV FOOD	SATELLITE
KK	361.2625	47	TV			QVC	SATELLITE
LL	367.2625	48	TV		Y	BET	SATELLITE
MM	373.2625	49	TV		Y	TLC	SATELLITE
NN	379.2625	50	TV		Y	COMEDY	SATELLITE
OO	385.2625	51	TV		Y	CARTOON	SATELLITE
PP	391.2625	52	TV			COURT	SATELLITE
QQ	397.2625	53	TV		Y	SCI-FI	SATELLITE
RR	403.2500	54	TV		Y	SPORTS CH	SATELLITE
SS	409.2500	55	TV			AMC	SATELLITE
TT	415.2500	56	TV			MSG	SATELLITE
UU	421.2500	57	TV			EMPIRE SPORTS	SATELLITE
VV	427.2500	58	TV		Y	TRAVEL	SATELLITE
WW	433.2500	59	TV	Y	Y	FXM	SATELLITE
XX	439.2500	60	TV			HGTV	SATELLITE
YY	445.2500	61	TV	Y		GOLF CH	SATELLITE
ZZ	451.2500	62	TV	Y		HIST	SATELLITE
63	457.2500	63	TV	Y	Y	TCM	SATELLITE
64	463.2500	64	TV	Y		ENCORE	SATELLITE
65	469.2500	65	TV	Y		BRAVO	SATELLITE
66	475.2500	66	TV	Y		HBO 2	SATELLITE
67	481.2500	67	TV	Y		HBO 3	SATELLITE
68	487.2500	68	TV	Y		CMX	SATELLITE
69	493.2500	69	TV	Y		CMX 2	SATELLITE
70	499.2500	70	TV	Y		SNEAK PREVUE	SATELLITE
71	505.2500	71	TV	Y		DISNEY	SATELLITE
72	511.2500	72	TV	Y	Y	SHOW	SATELLITE
73	517.2500	73	TV	Y		V-CHOICE	SAT PPV
74	523.2500	74	TV	Y		HITS 1	SAT PPV
75	529.2500	75	TV			INTL CH.	SATELLITE
76	535.2500	76	TV	Y		SPICE	SAT PPV
77	541.2500	77	TV			LEASED ACCESS	IN-HOUSE
78	547.2500	78	TV	Y		STARZ	SATELLITE

TIME WARNER CABLE--SYRACUSE DIVISION

SYSTEM NAME: SYRACUSE **DATE:** August 2000

ACTUAL CHAN	CARRIER FREQ	CONV CHAN	TYPE	SCRAM "Y"	VITS "Y"	CALL LTR	PROG SOURCE
2	55.2500	2	TV		Y	PREV	PREVUE GDE
3	61.2500	3	TV		Y	WSTM	OFF-AIR
4	67.2500	4	TV		Y	WSPX	OFF-AIR
5	77.2500	5	TV		Y	WTVH	OFF-AIR
6	83.2500	6	TV			QVC	IN-HOUSE
A-5	91.2500						
A-4	97.2500						
A-3	103.2500						
A-2	109.2750	80	TV			UNIVISION	SATELLITE
A-1	115.2750	79	TV	Y		ESPN CLASSICS	SATELLITE
A	121.2625	14	TV			CACS	IN-HOUSE
B	127.2625	15	TV		Y	HBO	SATELLITE
C	133.2625	16	TV			WTBS	SATELLITE
D	139.2500	17	TV		Y	WPIX	SATELLITE
E	145.2500	18	TV			WGN	SATELLITE
F	151.3210	19	TV		Y	ANIMAL PLANET	SATELLITE
G	157.2500	20	TV		Y	FAMILY	SATELLITE
H	163.2500	21	TV		Y	FX	SATELLITE
I	169.2500	22	TV		Y	CNN	SATELLITE
7	175.2500	7	TV			WNYS	OFF-AIR
8	181.2500	8	TV		Y	WSYT	OFF-AIR
9	187.2500	9	TV		Y	WIXT	OFF-AIR
10	193.2500	10	TV			WCNY	OFF-AIR
11	199.2500	11	TV			WCNY2	FROM WCNY
12	205.2500	12	TV			ACCESS	IN-HOUSE
13	211.2500	13	TV			WNLO	LOCAL ORIG
J	217.2500	23	TV		Y	HNN	SATELLITE
K	223.2500	24	TV		Y	ESPN	SATELLITE
L	229.2625	25	TV		Y	ESPN 2	SATELLITE
M	235.2625	26	TV		Y	TNN	SATELLITE
N	241.2625	27	TV		Y	CMTV	SATELLITE
O	247.2625	28	TV		Y	MTV	SATELLITE
P	253.2625	29	TV		Y	VH-1	SATELLITE
Q	259.2625	30	TV		Y	LIFE	SATELLITE
R	265.2625	31	TV		Y	USA	SATELLITE
S	271.2625	32	TV		Y	DISC	SATELLITE
T	277.2625	33	TV		Y	A&E	SATELLITE
U	283.2625	34	TV		Y	NICK	SATELLITE
V	289.2625	35	TV			CSPAN	SATELLITE
W	295.2625	36	TV			CSPAN 2	SATELLITE
AA	301.2625	37	TV		Y	CNBC	SATELLITE
BB	307.2625	38	TV		Y	MSNBC	SATELLITE
CC	313.2625	39	TV			E! TV	SATELLITE
DD	319.2625	40	TV		Y	TWC	SATELLITE
EE	325.2625	41	TV		Y	TRAVEL	SATELLITE
FF	331.2750	42	TV		Y	HSN	SATELLITE
GG	337.2625	43	TV		Y	ODYSSEY	SATELLITE
HH	343.2625	44	TV			EWTN	SATELLITE
II	349.2625	45	TV			TNT	SATELLITE
JJ	355.2625	46	TV			TV FOOD	SATELLITE
KK	361.2625	47	TV			TV LAND	SATELLITE
LL	367.2625	48	TV		Y	BET	SATELLITE
MM	373.2625	49	TV		Y	TLC	SATELLITE
NN	379.2625	50	TV		Y	COMEDY	SATELLITE
OO	385.2625	51	TV		Y	CARTOON	SATELLITE
PP	391.2625	52	TV			COURT	SATELLITE
QQ	397.2625	53	TV		Y	SCI-FI	SATELLITE
RR	403.2500	54	TV		Y	SPORTS	SATELLITE
SS	409.2500	55	TV			AMC	SATELLITE
TT	415.2500	56	TV	Y		MSG	SATELLITE
UU	421.2500	57	TV	Y	Y	GOLF	SATELLITE
VV	427.2500	58	TV		Y	SNEAK	SATELLITE
WW	433.2500	59	TV		Y	CNNFN	SATELLITE
XX	439.2500	60	TV			H&G	SATELLITE
YY	445.2500	61	TV			EMPIRE SPORTS	SATELLITE
ZZ	451.2500	62	TV	Y		HIST	SATELLITE
63	457.2500	63	TV	Y	Y	TCM	SATELLITE
64	463.2500	64	TV	Y		ENCORE	SATELLITE
65	469.2500	65	TV			ACCESS	IN-HOUSE
66	475.2500	66	TV	Y		HBO 2	SATELLITE
67	481.2500	67	TV	Y		HBO 3	SATELLITE
68	487.2500	68	TV	Y		CMX	SATELLITE
69	493.2500	69	TV	Y		CMX 2	SATELLITE
70	499.2500	70	TV	Y		TMC	SATELLITE
71	505.2500	71	TV	Y		DISNEY	SATELLITE
72	511.2500	72	TV	Y	Y	SHOW	SATELLITE
73	517.2500	73	TV	Y		V-CHOICE	SAT PPV
74	523.2500	74	TV	Y		HITS 1	SAT PPV
75	529.2500	75	TV			INTL CH.	SATELLITE
76	535.2500	78	TV	Y		BRAVO	SATELLITE
77	541.2500	77	TV	Y		STARZ	SATELLITE
78	547.2500	76	TV	Y		SPICE	SAT PPV

TIME WARNER CABLE--SYRACUSE DIVISION

SYSTEM NAME: SYRACUSE DATE: August 2000

NON-VIDEO SERVICES

CARRIER FREQ	DESCRIPTION	BANDWIDTH	PROG SOURCE
106.5000	FSK DATA	+/- 200 KHZ	G.I. DATA
108.5000	FSK DATA	+/- 200 KHZ	G.I. DATA **
111.0000	QPSK DATA	+/- 600 KHZ	S.A. DATA **
73.0000	QPSK DATA	+/- 600 KHZ	S.A. DATA
90.5000	MUSIC CHOICE	+/- 300 KHZ	G.I. DIGITAL
91.1000	MUSIC CHOICE	+/- 300 KHZ	G.I. DIGITAL
91.7000	MUSIC CHOICE	+/- 300 KHZ	G.I. DIGITAL
93.7000	MUSIC CHOICE	+/- 300 KHZ	G.I. DIGITAL
94.3000	MUSIC CHOICE	+/- 300 KHZ	G.I. DIGITAL
94.9000	MUSIC CHOICE	+/- 300 KHZ	G.I. DIGITAL
95.5000	MUSIC CHOICE	+/- 300 KHZ	G.I. DIGITAL
96.1000	MUSIC CHOICE	+/- 300 KHZ	G.I. DIGITAL
96.7000	MUSIC CHOICE	+/- 300 KHZ	G.I. DIGITAL
97.3000	MUSIC CHOICE	+/- 300 KHZ	G.I. DIGITAL
97.9000	MUSIC CHOICE	+/- 300 KHZ	G.I. DIGITAL
99.3000	MUSIC CHOICE	+/- 300 KHZ	G.I. DIGITAL
98.5000	MUSIC CHOICE	+/- 300 KHZ	G.I. DIGITAL
99.9000	MUSIC CHOICE	+/- 300 KHZ	G.I. DIGITAL
100.5000	MUSIC CHOICE	+/- 300 KHZ	G.I. DIGITAL
101.3000	MUSIC CHOICE	+/- 300 KHZ	G.I. DIGITAL
101.9000	MUSIC CHOICE	+/- 300 KHZ	G.I. DIGITAL
103.1000	MUSIC CHOICE	+/- 300 KHZ	G.I. DIGITAL
102.5000	MUSIC CHOICE	+/- 300 KHZ	G.I. DIGITAL
103.7000	MUSIC CHOICE	+/- 300 KHZ	G.I. DIGITAL
104.3000	MUSIC CHOICE	+/- 300 KHZ	G.I. DIGITAL
105.2000	MUSIC CHOICE	+/- 300 KHZ	G.I. DIGITAL
105.8000	MUSIC CHOICE	+/- 300 KHZ	G.I. DIGITAL
107.7000	MUSIC CHOICE	+/- 300 KHZ	G.I. DIGITAL
573.0000	ROAD-RUNNER-QAM	+/- 3MHZ	MOTOROLA ROUTER
579.0000	ROAD-RUNNER-QAM	+/- 3MHZ	DOCSIS CARRIER
**	OSWEGO ONLY		

QAM INFORMATION SHEET
FOR SYRACUSE

Name	Frequency	Analog Ch.	Mod Type	Session #	BW Used	MPEG#	Service	QAM Source	Digital Ch
Big Qam	567Mhz	81	64	Below 20	23Mb/s	n/a	BFS,IPG,etc	DNCS	N/A
QAM591	591Mhz	85	64	1312	9Mb/s	24	Thriller Max	Galaxy 1 TX 18	312
				1305		28	HBO Zone		305
				1304		6	HBO Comedy		304
QAM597	597Mhz	86	64	1313	21Mb/s	23	Action Max	Galaxy 1TX 23	313
				1311		22	More Max		311
				1310		21	Max East		310
				1303		4	HBO Family		303
				1302		3	HBO Signature		302
				1300		1	HBO East		300
				1301		2	HBO Plus		301
QAM603	603Mhz	87	64	1113	24Mb/s	7	Encore	Galaxy 1 TX 13	200
				1330		1	Starz!		330
				1331		3	Starz!2		331
				1332		4	Starz!4 Family		332
				1333		8	Starz!5 Cinema		333
				1334		5	Bet Movies		334
				1201		8	Encore West		201
				1208		9	WAMI		208
QAM615	615Mhz	89	64	1911	21Mb/s	12	VC1	Satcom C3 TX 3	401
				1916		8	VC2		402
				1913		3	VC3		403
				1914		4	VC4		404
				1915		5	VC5		405
				1917		7	VC6		406
				1912		2	HC		490
QAM621	621Mhz	90	64	1918	24Mb/s	8	VC7	Satcom C4 TX 18	407
				1919		9	VC8		408
				1920		10	VC9		409
				1921		11	VC10		410
				1922		1	VC11		411
				1923		12	VC12		412
				2913		13	VC13		413
				2914		14	VC14		414
QAM627	627Mhz	91	64	2915	24Mb/s	1	VC15	Telstar 7 TX 2	415
				2916		2	VC16		416
				2917		3	VC17		417
				2918		4	VC18		418
				2919		5	VC19		419
				2920		6	VC20		420
				2921		7	VC21		421
				2922		8	VC22		422
QAM633	633Mhz	92	64	2923	24Mb/s	1	VC23	Telstar 7 TX 3	423
				2924		2	VC24		424
				2925		3	VC25		425
				2926		4	VC26		426
				2927		5	VC27		427
				2928		6	VC28		428
				2929		7	VC29		429
				2930		8	VC30		430
QAM639	639Mhz	93	64	2931	18Mb/s	1	VC31	Telstar 7 TX 4	431
				2932		2	VC32		432
				2933		3	VC33		433
				2934		4	VC34		434
				2494			Pleasure		494
				1947		13	VC Barker		400
QAM645	645Mhz	94	64	1204	12Mb/s	5	Encore Mystery	Galaxy 1 TX 3	204
				1203		3	Encore Love		203
				1205		9	Encore Westerns		205
				1202		1	Encore Action		202
QAM651	651Mhz	100	256	1057	27Mb/s	3	SCI-Fi	Athena 1	133 Ithaca
				1102		38	ESPN Classic		101
** Note: bw provisioned to include espn 2 and espn alt **				1103		37	Golf Ch.		102
				1105		39	CNN-SI		104
				1110		1	TCM		110
				1130		2	History		130
				1140		40	CMT		140
QAM657	657MhZ	101	256	1131	21Mb/s	46	Court TV	Athena 2	131
				1104		48	Speedvision		103
				1997		49	Playboy		491
				1998		51	Spice 2		492
				1999		50	Spice		493
				5081		43	IFC		112 Ithaca
				1112		45	FXM		207
QAM663	663Mhz	102	256	1162	30Mb/s	58	Game Show Network	Athena 3	162
				1350		52	Disney E		350
				1351		53	Disney W		351
				1120		59	Discovery Kids		120
				1121		60	Discovery Science		121
				1122		61	Discovery Wings		122
				1150		57	Ovation		150
				1132		55	Eye on People		123
				1141		56	Bet on Jazz		141
				1133		54	CNN-FN		132

QAM INFORMATION SHEET
FOR SYRACUSE

Name	Frequency	Analog Ch.	Mod Type	Session #	BW Used	MPEG#	Service		QAM Source	Digital Ch
QAM 669	669Mhz	103	256	1521	32Mb/s	26	70's MC		Athena 4	521
				1522		27	Solid Gold Oldies			522
				1523		28	Today's Country			523
				1524		29	Classic Country			524
				1525		30	Big Band			525
				1515		20	Progressive			515
				1514		19	Alternative Rock			514
				1528		33	Classical Masterpiece			528
				1513		18	Metal			513
				1520		25	80's			520
				1535		40	Contemp. Christian			535
				1536		41	Music Latina			536
				1537		42	Tropical			537
				1529		34	Light Classical			529
				1512		17	Rap			512
				1161		2	Health	***		161
				1160		3	Style	***		160
				1511		16	Dance			511
				1533		38	Blues			533
				1532		37	Jazz			532
				1510		15	R&B Hits			510
				1519		24	Hit List			519
				1534		39	Gospel			534
				1509		14	Classic R&B			509
				1508		13	Body & Soul			508
				1518		23	Soft Rock			518
				1517		22	Rock Hits			517
				1516		21	Classic Rock			516
				1538		43	Opera			538
				1506		11	For Kids Only			506
				1505		10	Sounds of Seasons			505
				1504		9	American Originals			504
				1503		8	New Releases			503
				1501		6	Showcase 2			501
				1500		5	Showcase			500
				1539		44	Sounds of Seasons 2			539
				1530		35	Atmospheres			530
				1531		36	Light Jazz			531
				1526		31	Singers & Standards			526
				1527		32	Easy Listening			527
				1502		7	The Cutting Edge			502
				1507		12	World Beat			507
				2106		4	FOX Sports World	***		106
Note: *** these are video channels***				1106		1	Outdoor Channel	***		105
QAM675	675Mhz	104	64	1341	18Mb/s	7	TMC 2		Satcom C3 TX 19	341
				1340		4	TMC			340
				1323		9	Showtime Extreme			323
				1322		3	Showtime 3			322
				1321		2	Showtime 2			321
				1320		1	Showtime East			320
QAM681	681Mhz	105	64	1111	9Mb/s	3	AMC		Local MPEG Encoders	111
				1100		2	MSG			100
QAM687	687Mhz	106	64	1600	18Mb/s	1	NBA CH.		GE1-T8	460
				1601		2	NBA PPV 1			461
				1602		3	NBA PPV 2			462
				1603		4	NBA PPV 3			463
				1604		5	NBA PPV 4			464
				1605		6	NBA PPV 5			465
QAM693	693 Mhz	107	64	1606	18Mb/s	1	NBA PPV 6		GE1-T14	466
				1607		2	NBA PPV 7			467
				1608		3	NBA PPV 8			468
				1609		4	NBA PPV 9			469
				1610		5	NBA PPV 10			470
				1611		6	NBA PPV 11			471
QAM711	711 Mhz	110	64	1471	24Mb/s	2	ESP 1		G7 T-8 Hits Feed (KU)	472
				1472		3	ESP 2			473
				1473		4	ESP 3			474
				1474		5	ESP 4			475
				1475		6	ESP 5			476
				1476		7	ESP 6			477
				1477		8	ESP 7			478
				1478		10	ESP 8			479
QAM717	717Mhz	111	64	9001	24Mb/s	1	NHL 1		GE 1 Transponder 13	480
				9002		2	NHL 2			481
				9003		3	NHL 3			482
				9004		4	NHL 4			483
				9005		5	NHL 5			484
				9006		6	NHL 6			485
				9007		7	NHL 7			486
				9008		8	NHL 8			487
QAM 723	723Mhz	112	256		19Mb/s				HBO HDTV	

TIME WARNER CABLE
SYRACUSE DIVISION

Proof - of - Performance Test

System Name: TIME WARNER - SYRACUSE SYSTEM

Statement of Qualifications

Employee Name: PATRICK THRALL Title: SR. FIELD ENGINEER

System: SYRACUSE

Qualifications: 24 years CATV including 7 years as a headend tech and 7 years as a trunk tech. Coursework in electronics at Canton ATC and various cable technical seminars.

Employee Name: PAUL LORAN Title: MAINTENANCE TECHNICIAN

System: SYRACUSE

Qualifications: 20 years of CATV experience

Employee Name: SCOTT WILLIAMS Title: MAINTENANCE TECHNICIAN

System: SYRACUSE

Qualifications: 21 years of CATV experience

TIME WARNER CABLE
SYRACUSE DIVISION

Proof - of - Performance Test

System Name: TIME WARNER - SYRACUSE SYSTEM

Statement of Qualifications

Employee Name: PAUL BELLUCCI Title: MAINTENANCE TECHNICIAN

System: SYRACUSE

Qualifications: 21 years CATV experience

Employee Name: LARRY KAYLOR Title: MAINTENANCE TECHNICIAN

System: OSWEGO

Qualifications: 23 years CATV experience
19 years Maintenance Technician

Employee Name: BOB WENTWORTH Title: MAINTENACE TECHNICIAN

System: SYRACUSE

Qualifications: 20 years CATV experience
10 years Maintenance Technician

TIME WARNER CABLE
SYRACUSE DIVISION

CATV Proof - of - Performance Tests Test Equipment Listings

System Name: *Time Warner - Syracuse*

Date: *August 2000*

Test Equipment				
Equipment Description	Model #	Manufacturer	Serial #	Last Calib
Calan Star SLM	*2010*	*Calan/HP*	*9210392*	*Dec 97*
Spectrum Analyzer	*8591c*	*H/p*	*3649A01838*	*May 2000*
Precision Preselector	*n/a*	*Trilithic*	*F005120*	*n/a*
NTSC generator	*TSG-95*	*Tektronix*	*B023398*	*Mar 96*
Calan Star SLM	*2010*	*Calan/HP*	*9210390*	*Dec 96*
Calan Star SLM	*2010*	*Calan/HP*	*9401158*	*Feb 95*
Viewsonics Amplifier	*VSA-40-550*	*Viewsonics*	*n/a*	*n/a*

TIME WARNER CABLE
SYRACUSE DIVISION

Terminal Isolation Test

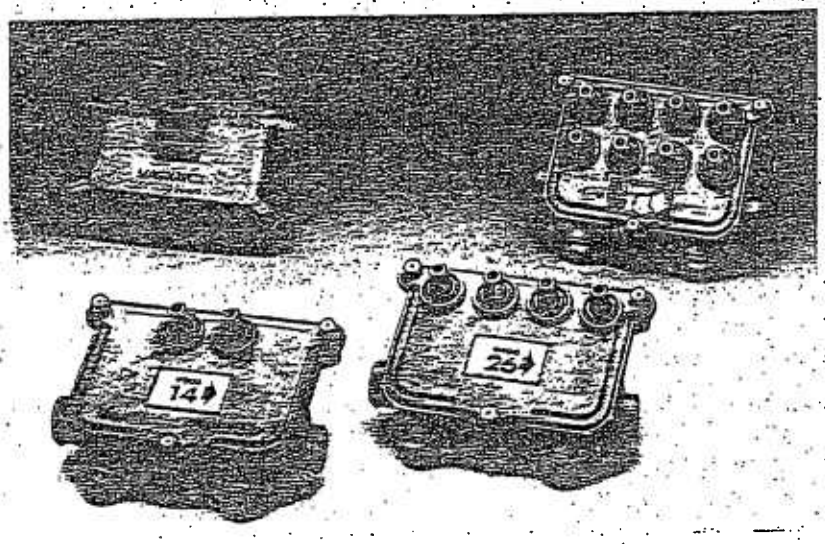
System Name: TIME WARNER - SYRACUSE

Date: August 2000

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.



9000 Series

The 9000 series 1 GHz 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 baseplates 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.

A multi-tap is a combination of a directional coupler and splitters arranged to produce a specific value or signal loss, from the multi-tap's input to its tap ports.

Philips 9000 series 1 GHz multi-taps are available in two-way, four-way and eight-way models, offering two, four, and eight tap ports respectively. We've created a compact tap which fits easily into a 6" pedestal.

Our 9000 series multi-taps all share the following standard features:

- 1 GHz bandwidth capacity
- brass SCTE F-ports with drip lips and rubber boots,
- weather gasket,
- RFI gasket,
- strip gauges and heat-shrink ridges for easy installation,
- numbered ports for easier subscriber audits,
- high surge resistance and 10-amp current handling capability,
- interchangeable baseplates,
- baseplates fit in 8000 series covers 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 series multi-taps water-tight. 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** power passing assembly option to prevent interruptions in power and RF service when baseplates are removed. Also, order the **9000-USB** for easy aerial to underground interconnections.

PHILIPS

9800 Series Eight-Way Multi-Taps

Worst Case Specifications*

	9812	9815	9818	9821	9824	9827	9830	9833	9836	Units
Tap Value	12.0	15.5	18.0	21.0	24.0	27.0	30.0	33.0	36.0	dB
Bandwidth	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	MHz
Color Code	Gold	White	Blue	Green	Purple	Yellow	Red	Silver	Brown	
Tolerance										
10-19 MHz	1.7	2.0	1.5	2.5	2.5	2.5	2.5	2.5	2.5	± dB
20-899 MHz	1.8	2.0	1.5	1.5	1.5	1.5	1.5	2.1	1.8	± dB
900-1000 MHz	2.3	2.5	1.9	2.4	2.1	2.1	1.9	1.8	2.3	± dB
Insertion Loss (max.)										
10 MHz	—	3.8	1.9	1.2	1.0	0.8	0.5	0.5	0.5	dB
30 MHz	—	3.5	1.5	1.0	0.9	0.7	0.4	0.4	0.4	dB
54 MHz	—	3.5	1.6	1.0	0.8	0.7	0.4	0.4	0.4	dB
112 MHz	—	4.0	1.9	1.2	0.9	0.8	0.6	0.6	0.6	dB
150 MHz	—	4.0	1.9	1.2	0.9	0.8	0.6	0.6	0.6	dB
186 MHz	—	4.1	2.0	1.3	1.0	0.8	0.6	0.6	0.6	dB
222 MHz	—	4.1	2.0	1.3	1.0	0.8	0.6	0.6	0.6	dB
330 MHz	—	4.2	2.1	1.4	1.0	0.8	0.6	0.6	0.6	dB
400 MHz	—	4.3	2.2	1.4	1.0	0.8	0.7	0.7	0.7	dB
450 MHz	—	4.4	2.2	1.4	1.0	0.8	0.7	0.7	0.7	dB
550 MHz	—	4.5	2.3	1.3	1.1	0.9	0.8	0.8	0.8	dB
600 MHz	—	4.7	2.4	1.4	1.1	1.0	0.9	0.9	0.9	dB
750 MHz	—	5.1	2.8	1.6	1.3	1.2	1.2	1.2	1.2	dB
862 MHz	—	5.3	3.2	1.8	1.6	1.3	1.4	1.4	1.4	dB
1000 MHz	—	5.4	3.9	2.3	1.8	1.4	1.4	1.4	1.4	dB
Flatness (max.)										
10-1000 MHz	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	± dB
Tap-to-Out Isolation (min.)										
10-29 MHz	—	21	24	27	30	34	34	36	38	dB
30-749 MHz	—	27	30	32	34	38	40	42	44	dB
750-899 MHz	—	25	28	30	33	36	38	40	41	dB
900-1000 MHz	—	25	28	28	33	34	36	38	39	dB
Tap-to-Tap Isolation (min.)										
10-29 MHz	20	20	20	20	20	20	20	20	20	dB
30-449 MHz	25	25	25	25	25	25	25	25	25	dB
450-749 MHz	23	23	23	23	23	23	23	23	23	dB
750-1000 MHz	20	20	20	20	20	20	20	20	20	dB
Return Loss In (min.)										
10-29 MHz	17	17	17	17	17	17	17	17	17	dB
30-599 MHz	18	18	18	18	18	18	18	18	18	dB
600-899 MHz	17	17	17	17	17	17	17	17	17	dB
900-1000 MHz	16	16	16	16	16	16	16	16	16	dB
Return Loss Out (min.)										
10-29 MHz	—	17	17	17	17	17	17	17	17	dB
30-599 MHz	—	18	18	18	18	18	18	18	18	dB
600-899 MHz	—	17	17	17	17	17	17	17	17	dB
900-1000 MHz	—	16	16	16	16	16	16	16	16	dB
Return Loss Tap (min.)										
10-29 MHz	16	16	16	16	16	16	16	16	16	dB
30-599 MHz	18	18	18	18	18	18	18	18	18	dB
600-1000 MHz	16	16	16	16	16	16	16	16	16	dB
Hum Modulation @ 8 amps (max.)										
10-49 MHz	—	-64	-64	-64	-64	-64	-64	-64	-64	dB
50-599 MHz	—	-70	-70	-70	-70	-70	-70	-70	-70	dB
600-749 MHz	—	-64	-64	-64	-64	-64	-64	-64	-64	dB
750-1000 MHz	—	-60	-60	-60	-60	-60	-60	-60	-60	dB
RFI Isolation	Exceeds FCC requirements									
Current	0	10	10	10	10	10	10	10	10	amps
Surge Rating	ANSI/IEEE C62.41-1991 Class B, 2500 Volts									

*All specifications are subject to change without notice.

9800 Series Eight-Way Multi-Ta

Nominal Performance Specifications*

	Notes	9812	9815	9818	9821	9824	9827	9830	9833	9836
Tap Value		12.0	15.5	18.0	21.0	24.0	27.0	30.0	33.0	36.0
Bandwidth		10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000
Color Code		Gold	White	Blue	Green	Purple	Yellow	Red	Silver	Brown
Insertion Loss (Input/Output)										
10 MHz		—	3.5	1.4	1.1	0.9	0.7	0.3	0.3	0.3
30 MHz		—	3.4	1.3	0.9	0.7	0.6	0.3	0.3	0.3
54 MHz		—	3.4	1.3	0.9	0.7	0.5	0.3	0.3	0.3
112 MHz		—	3.8	1.7	1.0	0.8	0.7	0.4	0.5	0.4
150 MHz		—	3.8	1.7	1.0	0.8	0.7	0.4	0.5	0.4
186 MHz		—	3.9	1.8	1.0	0.8	0.7	0.4	0.5	0.4
222 MHz		—	3.9	1.8	1.1	0.8	0.7	0.4	0.5	0.4
330 MHz		—	4.0	1.9	1.1	0.8	0.7	0.5	0.5	0.5
400 MHz		—	4.1	2.0	1.1	0.8	0.7	0.5	0.5	0.5
450 MHz		—	4.1	2.0	1.1	0.9	0.7	0.6	0.6	0.5
550 MHz		—	4.2	2.0	1.1	0.9	0.7	0.6	0.6	0.6
600 MHz		—	4.5	2.2	1.2	0.9	0.8	0.7	0.7	0.6
750 MHz		—	4.9	2.6	1.3	1.0	0.9	0.8	0.8	0.8
862 MHz		—	5.0	2.9	1.5	1.2	1.1	1.0	1.0	1.0
1000 MHz		—	5.2	3.5	1.7	1.2	1.1	1.1	1.1	1.1
Tap Loss										
10-19 MHz		10.7	13.8	17.8	19.4	22.3	25.5	28.8	32.2	34.5
20-899 MHz		11.3	14.7	18.4	20.6	24.3	26.7	30.4	32.8	35.6
900-1000 MHz		13.0	16.7	18.8	20.7	25.1	27.8	30.4	33.2	36.3
Mechanical										
Dimensions	a	4.9 (12.6) W x 3.8 (9.6) H x 2.4 (6.1) D								
Weight		0.8 (0.37)								
Connector Type	b	Standard CATV KS entry connectors for cable up to 0.625"diameter								
Pin Length		1.44 (3.7)								

*All specifications are subject to change without notice.

Notes:

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

b. Pin connector (.067 inch diameter) recommended for best RF performance.

PHILIPS

9400 Series Four-Way Multi-Taps

Worst Case Specifications*

	9408	9411	9414	9417	9420	9423	9426	9429	9432	9435	Units
Tap Value	8.0	11.5	14.5	17.0	20.0	23.0	26.0	29.0	32.0	35.0	dB
Bandwidth	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	MHz
Color Code	Orange	Gold	White	Blue	Green	Purple	Yellow	Red	Silver	Brown	
Tolerance											
10-19 MHz	1.5	1.5	1.5	2.1	1.9	2.2	2.5	2.5	2.3	1.9	± dB
20-899 MHz	1.5	2.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0	± dB
900-1000 MHz	1.5	2.5	2.3	2.2	2.0	1.9	1.7	1.6	1.8	2.0	± dB
Insertion Loss (max.)											
10 MHz	—	3.6	1.9	1.2	1.0	0.8	0.5	0.4	0.4	0.4	dB
30 MHz	—	3.5	1.5	0.9	0.8	0.7	0.4	0.3	0.3	0.3	dB
54 MHz	—	3.5	1.5	0.9	0.8	0.7	0.4	0.3	0.3	0.3	dB
112 MHz	—	4.0	1.8	1.0	1.0	0.8	0.6	0.6	0.6	0.6	dB
150 MHz	—	4.1	1.8	1.0	1.0	0.8	0.6	0.6	0.6	0.6	dB
186 MHz	—	4.1	1.8	1.0	1.0	0.8	0.6	0.6	0.6	0.6	dB
222 MHz	—	4.2	1.8	1.0	1.0	0.8	0.6	0.6	0.6	0.6	dB
330 MHz	—	4.3	1.9	1.0	1.0	0.9	0.6	0.6	0.6	0.6	dB
400 MHz	—	4.3	2.0	1.1	1.1	0.9	0.7	0.7	0.7	0.7	dB
450 MHz	—	4.3	2.0	1.1	1.1	0.9	0.7	0.7	0.7	0.7	dB
550 MHz	—	4.4	2.1	1.2	1.1	0.9	0.7	0.7	0.7	0.7	dB
600 MHz	—	4.7	2.4	1.4	1.1	1.0	0.8	0.8	0.8	0.8	dB
750 MHz	—	5.1	2.9	1.6	1.4	1.3	1.1	1.1	1.1	1.1	dB
862 MHz	—	5.2	3.3	1.8	1.6	1.5	1.2	1.2	1.2	1.2	dB
1000 MHz	—	5.4	4.0	2.2	1.8	1.6	1.4	1.3	1.3	1.3	dB
Flatness (max.)											
10-1000 MHz	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	± dB
Tap-to-Out Isolation (min.)											
10-29 MHz	—	20	21	22	27	30	34	34	36	38	dB
30-749 MHz	—	24	27	30	33	36	38	40	42	44	dB
750-899 MHz	—	22	25	28	31	34	36	38	40	42	dB
900-1000 MHz	—	22	25	28	31	34	36	38	40	42	dB
Tap-to-Tap Isolation (min.)											
10-29 MHz	20	20	20	20	20	20	20	20	20	20	dB
30-449 MHz	25	25	25	25	25	25	25	25	25	25	dB
450-749 MHz	23	23	23	23	23	23	23	23	23	23	dB
750-1000 MHz	20	20	20	20	20	20	20	20	20	20	dB
Return Loss In (min.)											
10-29 MHz	17	17	17	17	17	17	17	17	17	17	dB
30-599 MHz	18	18	18	18	18	18	18	18	18	18	dB
600-899 MHz	17	17	17	17	17	17	17	17	17	17	dB
900-1000 MHz	16	16	16	16	16	16	16	16	16	16	dB
Return Loss Out (min.)											
10-29 MHz	—	17	17	17	17	17	17	17	17	17	dB
30-599 MHz	—	18	18	18	18	18	18	18	18	18	dB
600-899 MHz	—	17	17	17	17	17	17	17	17	17	dB
900-1000 MHz	—	16	16	16	16	16	16	16	16	16	dB
Return Loss Tap (min.)											
10-29 MHz	16	16	16	16	16	16	16	16	16	16	dB
30-599 MHz	18	18	18	18	18	18	18	18	18	18	dB
600-1000 MHz	16	16	16	16	16	16	16	16	16	16	dB
Hum Modulation @ 8 amps (max.)											
10-49 MHz	—	-64	-64	-64	-64	-64	-64	-64	-64	-64	dB
50-599 MHz	—	-70	-70	-70	-70	-70	-70	-70	-70	-70	dB
600-749 MHz	—	-64	-64	-64	-64	-64	-64	-64	-64	-64	dB
750-1000 MHz	—	-60	-60	-60	-60	-60	-60	-60	-60	-60	dB
RFI Isolation	Exceeds FCC requirements										
Current	0	10	10	10	10	10	10	10	10	10	amps
Surge Rating	ANSI/IEEE C62.41-1991, Class B, 2500 Volts										

*All specifications are subject to change without notice.

PHILIPS

9400 Series Four-Way Multi-T

Nominal Performance Specifications*

	Notes	9408	9411	9414	9417	9420	9423	9426	9429	9432	94
Tap Value		8.0	11.5	14.5	17.0	20.0	23.0	26.0	29.0	32.0	35
Bandwidth		10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-10
Color Code		Orange	Gold	White	Blue	Green	Purple	Yellow	Red	Silver	Brov
Insertion Loss (In/Out)											
10 MHz		—	3.5	1.3	1.0	0.9	0.6	0.3	0.3	0.3	0
30 MHz		—	3.4	1.3	0.7	0.7	0.6	0.3	0.3	0.3	0
54 MHz		—	3.4	1.3	0.7	0.7	0.6	0.3	0.3	0.3	0
112 MHz		—	3.8	1.7	0.9	0.8	0.7	0.5	0.5	0.5	0
150 MHz		—	3.8	1.7	0.9	0.8	0.7	0.5	0.5	0.5	0
186 MHz		—	3.9	1.8	0.9	0.9	0.7	0.5	0.5	0.5	0
222 MHz		—	3.9	1.8	0.9	0.9	0.7	0.5	0.5	0.5	0
330 MHz		—	4.0	1.8	0.9	0.9	0.7	0.5	0.5	0.5	0
400 MHz		—	4.1	1.8	1.0	0.9	0.8	0.5	0.6	0.6	0
450 MHz		—	4.1	1.8	1.0	0.9	0.8	0.5	0.6	0.6	0
550 MHz		—	4.2	1.9	1.0	0.9	0.8	0.6	0.6	0.6	0
600 MHz		—	4.4	2.1	1.1	0.9	0.8	0.6	0.6	0.7	0
750 MHz		—	4.7	2.6	1.3	1.1	1.0	0.9	0.8	0.8	0
862 MHz		—	4.8	3.0	1.6	1.3	1.1	1.1	1.0	1.0	1
1000 MHz		—	4.9	3.6	1.8	1.3	1.1	1.1	1.0	1.0	1
Tap Loss											
10-19 MHz		6.9	10.3	14.5	15.8	19.4	22.1	24.9	27.9	31.0	34
20-899 MHz		7.2	10.7	14.7	17.6	21.0	23.6	26.3	29.2	32.2	35
900-1000 MHz		8.2	12.8	15.0	18.2	20.7	23.2	26.0	29.1	32.0	35
Mechanical											
Dimensions	a	4.9 (12.5) W x 3.8 (9.7) H x 2.4 (6.1) D									
Weight		0.7 (0.33)									
Connector Type	b	Standard CATV KS entry connectors for cable up to 0.625"diameter									
Pin Length		1.44 (3.7)									

*All specifications are subject to change without notice.

Notes:

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

b. Pin connector (.067 inch diameter) recommended for best RF performance.

9200 Series Two-Way Multi-Taps

Worst Case Specifications*

	9204	9208	9211	9214	9217	9220	9223	9226	9229	9232	Units
Tap Value	4.0	8.5	11.0	14.0	17.0	20.0	23.0	26.0	29.0	32.0	dB
Bandwidth	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	MHz
Color Code	Black	Orange	Gold	White	Blue	Green	Purple	Yellow	Red	Silver	
Tolerance											
10-19 MHz	1.5	1.5	1.5	1.5	2.5	2.5	2.5	2.5	2.5	2.5	± dB
20-899 MHz	1.5	2.0	1.5	1.5	1.5	1.6	1.5	1.5	2.0	1.8	± dB
900-1000 MHz	2.0	2.0	1.5	2.0	1.6	1.7	1.7	2.0	2.0	2.0	± dB
Insertion Loss (max.)											
10 MHz	—	3.6	1.9	1.0	1.0	0.8	0.5	0.5	0.4	0.4	dB
30 MHz	—	3.1	1.5	0.8	0.8	0.7	0.5	0.4	0.3	0.3	dB
54 MHz	—	3.3	1.5	0.8	0.8	0.7	0.4	0.4	0.3	0.3	dB
112 MHz	—	3.3	1.8	1.0	0.9	0.8	0.5	0.5	0.5	0.5	dB
150 MHz	—	3.3	1.8	1.0	0.9	0.8	0.5	0.5	0.5	0.5	dB
186 MHz	—	3.4	1.9	1.0	0.9	0.8	0.5	0.5	0.5	0.5	dB
222 MHz	—	3.5	1.9	1.0	1.0	0.8	0.5	0.5	0.5	0.5	dB
330 MHz	—	3.6	2.0	1.0	1.0	0.8	0.6	0.6	0.6	0.6	dB
400 MHz	—	3.7	2.1	1.1	1.0	0.9	0.7	0.7	0.6	0.6	dB
450 MHz	—	3.8	2.1	1.1	1.0	0.9	0.7	0.7	0.6	0.6	dB
550 MHz	—	3.9	2.1	1.2	1.1	0.9	0.7	0.7	0.7	0.7	dB
600 MHz	—	4.1	2.4	1.4	1.2	1.0	0.8	0.8	0.8	0.8	dB
750 MHz	—	4.7	3.0	1.6	1.4	1.2	1.0	1.0	0.9	0.9	dB
862 MHz	—	5.0	3.5	1.8	1.6	1.4	1.2	1.2	1.1	1.1	dB
1000 MHz	—	5.5	4.1	2.0	1.8	1.6	1.4	1.3	1.3	1.3	dB
Flatness (max.)											
10-1000 MHz	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	± dB
Tap-to-Out Isolation (min.)											
10-29 MHz	—	20	20	20	24	29	30	34	34	36	dB
30-749 MHz	—	22	24	26	30	33	36	38	40	42	dB
750-899 MHz	—	20	22	25	28	31	34	36	38	40	dB
900-1000 MHz	—	20	22	24	28	31	34	36	38	40	dB
Tap-to-Tap Isolation (min.)											
10-29 MHz	20	20	20	20	20	20	20	20	20	20	dB
30-449 MHz	25	25	25	25	25	25	25	25	25	25	dB
450-749 MHz	23	23	23	23	23	23	23	23	23	23	dB
750-1000 MHz	20	20	20	20	20	20	20	20	20	20	dB
Return Loss In (min.)											
10-29 MHz	17	17	17	17	17	17	17	17	17	17	dB
30-599 MHz	18	18	18	18	18	18	18	18	18	18	dB
600-899 MHz	17	17	17	17	17	17	17	17	17	17	dB
900-1000 MHz	16	16	16	16	16	16	16	16	16	16	dB
Return Loss Out (min.)											
10-29 MHz	—	17	17	17	17	17	17	17	17	17	dB
30-599 MHz	—	18	18	18	18	18	18	18	18	18	dB
600-899 MHz	—	17	17	17	17	17	17	17	17	17	dB
900-1000 MHz	—	16	16	16	16	16	16	16	16	16	dB
Return Loss Tap (min.)											
10-29 MHz	16	16	16	16	16	16	16	16	16	16	dB
30-599 MHz	18	18	18	18	18	18	18	18	18	18	dB
600-1000 MHz	16	16	16	16	16	16	16	16	16	16	dB
Hum Modulation @ 8 amps (max.)											
10-49 MHz	—	-64	-64	-64	-64	-64	-64	-64	-64	-64	dB
50-599 MHz	—	-70	-70	-70	-70	-70	-70	-70	-70	-70	dB
600-749 MHz	—	-64	-64	-64	-64	-64	-64	-64	-64	-64	dB
750-1000 MHz	—	-60	-60	-60	-60	-60	-60	-60	-60	-60	dB
RFI Isolation	Exceeds FCC requirements										
Current (continuous)	0	10	10	10	10	10	10	10	10	10	amps
Surge Rating	ANSI/IEEE C62.41-1991, Class B, 2500 Volts										

All specifications are subject to change without notice.

PHILIPS

9200 Series Two-Way Multi-Ta

Nominal Performance Specifications*

	Notes	9204	9208	9211	9214	9217	9220	9223	9226	9229	9232
Tap Value		4.0	8.5	11.0	14.0	17.0	20.0	23.0	26.0	29.0	32.0
Bandwidth		10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000
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
30 MHz		—	2.8	1.3	0.8	0.7	0.6	0.3	0.3	0.3	0.3
54 MHz		—	2.8	1.3	0.7	0.7	0.6	0.3	0.3	0.3	0.3
112 MHz		—	3.2	1.7	0.9	0.8	0.7	0.5	0.5	0.4	0.4
150 MHz		—	3.2	1.7	0.9	0.8	0.7	0.5	0.5	0.4	0.4
186 MHz		—	3.2	1.7	0.9	0.8	0.7	0.5	0.5	0.4	0.4
222 MHz		—	3.3	1.7	0.9	0.9	0.8	0.5	0.5	0.5	0.5
330 MHz		—	3.4	1.8	0.9	0.9	0.8	0.5	0.5	0.5	0.5
400 MHz		—	3.4	1.9	1.0	0.9	0.8	0.6	0.6	0.5	0.5
450 MHz		—	3.4	1.9	1.0	0.9	0.8	0.6	0.6	0.5	0.5
550 MHz		—	3.5	1.9	1.0	0.9	0.8	0.6	0.6	0.5	0.6
600 MHz		—	3.8	2.1	1.1	1.0	0.9	0.6	0.6	0.6	0.6
750 MHz		—	4.3	2.5	1.2	1.2	1.0	0.8	0.8	0.7	0.8
862 MHz		—	4.5	2.8	1.4	1.3	1.1	0.9	0.9	0.9	1.0
1000 MHz		—	4.8	3.5	1.6	1.3	1.1	1.0	1.0	1.0	1.1
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
20-899 MHz		3.7	8.0	11.1	14.9	17.4	20.0	22.6	25.5	28.1	31.2
900-1000 MHz		5.2	9.6	11.0	15.2	17.0	20.0	23.2	26.5	29.1	32.8
Mechanical											
Dimensions	a	4.9 (12.6) W x 3.8 (9.6) H x 2.4 (6.1) D									in
Weight		0.7 (0.33)									lb
Connector Type	b	Standard CATV KS entry connectors for cable up to 0.625" diameter									
Pin Length		1.44 (3.7)									in

*All specifications are subject to change without notice.

Notes:
a. Height dimension includes plug; depth dimension includes 1/2" F-ports and strand clamp/bolt in closed position.
b. Pin connector (.067 inch diameter) recommended for best RF performance.

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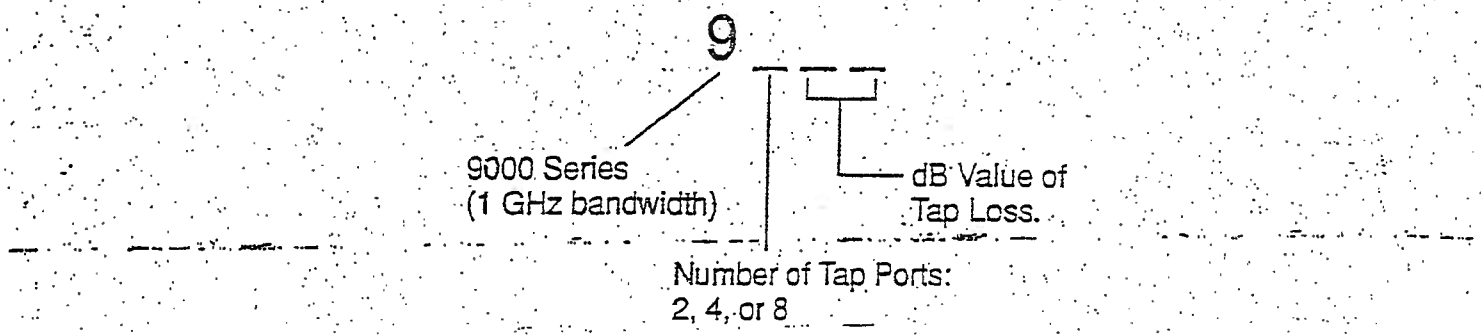
Ordering Information

To order, call your sales representative at 1-800-448-5171 (in NY State 1-800-522-7464).

9000 series multi-taps are available in several models, as indicated below.



Model	Description
9800 series	Eight-way multi-tap models. Available in these dB values: 12, 15, 18, 21, 24, 27, 30, 33, and 36.
9400 series	Four-way multi-tap models. Available in these dB values: 8, 11, 14, 17, 20, 23, 26, 29, 32, and 35.
9200 series	Two-way multi-tap models. Available in these dB values: 4, 8, 11, 14, 17, 20, 23, 26, 29, and 32.
9000-USB	1 GHz universal splice block. A jumper wire/pc board assembly mounted inside a multi-tap housing. When used as a strand-mounted device, it provides a convenient place to interconnect aerial cable to underground cable. Also replaces a multi-tap baseplate that you've removed from service. The 9000-USB has the following specifications:

	9000-USB	Units
Insertion Loss (max.)		
5-599 MHz	0.3	dB
600-749 MHz	0.4	dB
750-1000 MHz	0.6	dB
Return Loss (min.)		
5-899 MHz	18	dB
900-1000 MHz	16	dB

*All specifications are subject to change without notice.

Accessory	
9000T-PWR	Power passing assembly. Can be field-installed in 8200/8400 or 9200/9400/9800 series covers so that power and RF service will be uninterrupted when baseplates are removed. Not used in terminating taps (8204, 8408, 9204, 9408, 9812, 9204T, and 9408T models).

PHILIPS

FFT-K Series

Tap Design Specifications

Specifications: 5 – 1000MHz

INSERTION LOSS (dB)

EL	NOM. TAP VALUE	5MHz NOM	5MHz MAX	50 MHz NOM	50 MHz MAX	300 MHz NOM	300 MHz MAX	450 MHz NOM	450 MHz MAX	600 MHz NOM	600 MHz MAX	750 MHz NOM	750 MHz MAX	900 MHz NOM	900 MHz MAX	1000 MHz NOM	1000 MHz MAX
-4K	4.3																
-7K	7.5	3.5	3.6	3.3	3.5	3.8	4.1	4.1	4.4	4.7	5.0	4.9	5.1	4.9	5.2	5.0	5.3
-10K	10.5	2.0	2.2	1.5	1.8	1.7	1.9	2.0	2.2	2.3	2.5	2.8	3.0	3.1	3.3	3.4	3.6
-12K	12.0	1.4	1.6	1.0	1.2	1.3	1.5	1.5	1.7	1.6	1.8	1.9	2.1	2.4	2.6	2.7	2.9
-14K	14.0	1.3	1.5	1.0	1.1	1.3	1.4	1.3	1.5	1.4	1.6	1.8	2.0	2.2	2.4	2.7	2.9
-17K	17.0	1.0	1.2	0.8	1.0	1.0	1.2	1.2	1.3	1.2	1.4	1.5	1.7	1.7	1.9	2.0	2.2
-20K	20.0	0.7	1.0	0.5	0.8	0.9	1.1	0.9	1.1	1.1	1.3	1.3	1.5	1.7	1.9	1.9	2.1
-23K	23.0	0.6	0.8	0.3	0.5	0.6	0.8	0.8	1.0	1.0	1.2	1.3	1.4	1.6	1.7	1.8	2.0
-26K	26.0	0.5	0.6	0.4	0.5	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.6	1.7	1.8	2.0
-29K	29.0	0.4	0.6	0.4	0.5	0.6	0.8	0.8	1.0	1.0	1.2	1.3	1.4	1.6	1.7	1.8	2.0
-32K	32.0	0.5	0.6	0.4	0.5	0.7	0.8	0.8	1.0	1.1	1.2	1.3	1.4	1.6	1.7	1.8	2.0
-35K	35.0	0.4	0.6	0.3	0.5	0.6	0.8	0.8	1.0	1.0	1.2	1.3	1.4	1.6	1.7	1.8	2.0

INSERTION LOSS (dB)

EL	NOM. TAP VALUE	5MHz NOM	5MHz MAX	50 MHz NOM	50 MHz MAX	300 MHz NOM	300 MHz MAX	450 MHz NOM	450 MHz MAX	600 MHz NOM	600 MHz MAX	750 MHz NOM	750 MHz MAX	900 MHz NOM	900 MHz MAX	1000 MHz NOM	1000 MHz MAX
-7K	6.8																
-10K	10.3	3.4	3.7	3.3	3.6	3.9	4.1	4.2	4.4	4.7	5.0	4.9	5.1	4.9	5.2	5.0	5.3
-14K	14.4	2.1	2.3	1.8	1.9	2.0	2.2	2.3	2.5	2.7	2.9	3.1	3.3	3.5	3.7	3.7	3.9
-16.8K	16.8	1.5	1.6	1.2	1.4	1.4	1.6	1.6	1.8	1.8	2.0	1.9	2.1	2.4	2.6	2.6	2.8
	17.0	1.4	1.5	1.2	1.3	1.3	1.5	1.6	1.7	1.5	1.8	1.7	1.9	1.9	2.1	2.2	2.4
	20.0	1.3	1.4	1.1	1.2	1.3	1.4	1.3	1.5	1.5	1.7	1.7	1.8	1.7	1.8	2.1	2.2
	23.0	0.9	1.0	0.7	0.8	1.2	1.0	1.1	1.2	1.2	1.4	1.5	1.6	1.7	1.7	1.9	2.1
-29K	26.0	0.5	0.7	0.6	0.6	0.8	0.9	0.8	1.0	1.0	1.2	1.3	1.4	1.6	1.7	1.9	2.1
-29K	29.0	0.5	0.7	0.4	0.6	0.7	0.9	0.9	1.0	1.0	1.2	1.3	1.4	1.6	1.7	1.9	2.1
-32K	32.0	0.5	0.7	0.5	0.6	0.7	0.9	0.8	1.0	1.0	1.2	1.2	1.4	1.5	1.7	1.9	2.1
-35K	35.0	0.6	0.7	0.5	0.6	0.8	0.9	0.9	1.0	1.1	1.2	1.3	1.4	1.6	1.7	1.9	2.1

INSERTION LOSS (dB)

SEL	NOM. TAP VALUE	5MHz NOM	5MHz MAX	50 MHz NOM	50 MHz MAX	300 MHz NOM	300 MHz MAX	450 MHz NOM	450 MHz MAX	600 MHz NOM	600 MHz MAX	750 MHz NOM	750 MHz MAX	900 MHz NOM	900 MHz MAX	1000 MHz NOM	1000 MHz MAX
-10TK	10.4																
-14K	14.2	3.9	4.2	3.5	3.7	3.8	4.0	4.1	4.3	4.8	4.7	4.9	5.0	5.0	5.3	5.3	5.6
-17K	17.8	2.3	2.4	1.6	1.8	1.8	2.0	2.1	2.3	2.5	2.7	2.9	3.1	3.2	3.5	3.7	3.9
-20K	20.0	1.2	1.3	0.8	1.0	1.0	1.2	1.3	1.5	1.6	1.8	2.0	2.2	2.5	2.7	3.0	3.2
-23K	22.5	1.2	1.4	1.0	1.2	1.1	1.3	1.3	1.5	1.5	1.7	1.8	2.0	2.1	2.3	2.4	2.6
-25K	26.1	1.0	1.2	0.4	0.6	0.6	0.8	0.8	0.9	1.0	1.1	1.2	1.4	1.5	1.8	2.0	2.2
-29K	29.2	0.8	1.0	0.5	0.6	0.6	0.8	0.7	0.9	1.0	1.1	1.2	1.4	1.6	1.8	2.0	2.2
-32K	32.2	0.8	1.0	0.5	0.6	0.6	0.8	0.7	0.9	1.0	1.1	1.2	1.4	1.6	1.8	2.0	2.2
-35K	35.0	0.8	1.0	0.5	0.6	0.6	0.8	0.7	0.9	1.0	1.1	1.2	1.4	1.6	1.8	2.0	2.2

...ions subject to change without notice.

FFT-K Series
Tap To Output
Isolation, Nominal

MODEL NO. FFT-2K	5-10 MHz	10-50 MHz	50-450 MHz	450-600 MHz	600-750 MHz	750-1000 MHz
FFT2-4K	—	—	—	—	—	—
FFT2-7K	15	20	25	25	20	20
FFT2-10K	18	25	25	25	22	22
FFT2-12K	20	25	25	25	23	23
FFT2-14K	24	25	30	30	27	25
FFT2-17K	27	35	35	35	30	34
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	45	36
FFT2-32K	42	45	45	45	45	38
FFT2-35K	45	45	45	45	45	40

MODEL NO. FFT-4K	5-10 MHz	10-50 MHz	50-450 MHz	450-600 MHz	600-750 MHz	750-1000 MHz
FFT4-7K	—	—	—	—	—	—
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
FFT4-25K	35	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. FFT-8K	5-10 MHz	10-50 MHz	50-450 MHz	450-600 MHz	600-750 MHz	750-1000 MHz
FFT8-10K	—	—	—	—	—	—
FFT8-14K	20	25	25	25	25	25
FFT8-17K	25	30	30	30	30	25
FFT8-20K	30	30	35	35	35	30
FFT8-23K	35	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

Tap Value:
2-ways = +/- 1.50 dB
4-ways = +/- 1.50 dB
8-ways = +/- 2.0 dB

Tap to Tap Isolation:
5-30 MHz – 20 dB
30-750 MHz – 25 dB
750-1000 MHz – 20 dB

Return Loss: Tap
5-30 MHz – 16 dB
30-600 MHz – 18 dB
600-1000 MHz – 16 dB

HUM MODULATION:
High Frequency Hum
Hum modulation -75 dB for input voltage slew rates below 0.3V/uS.
Low Frequency Hum
Hum modulation -70 dB measured at 7 amps with a 60 V AC power supply.

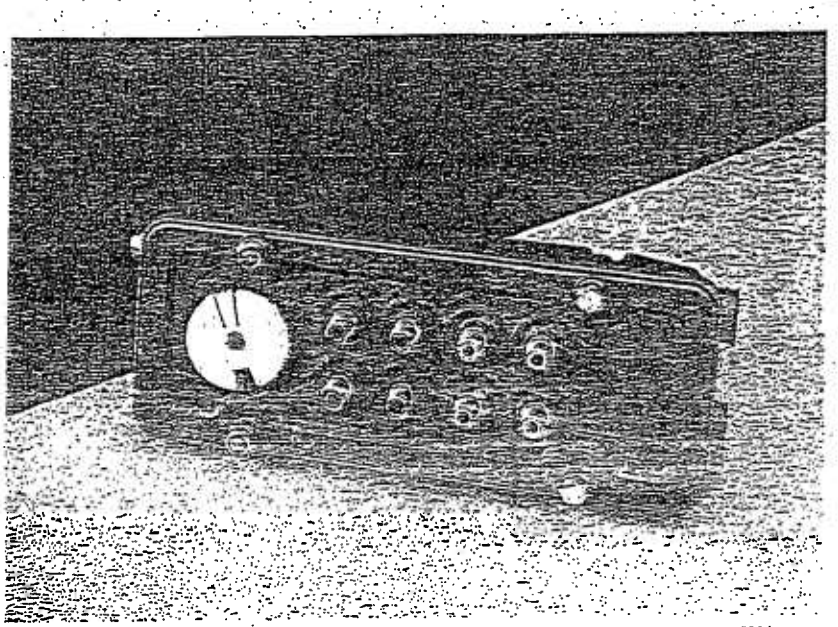
Return Loss: In/Out
5-30 MHz – 16 dB
30-600 MHz – 18 dB
600-1000 MHz – 16 dB

Current Passing Capability: 7 Amps Continuous

General Instrument

Multimedia Stretch Taps

Scientific Atlanta



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

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

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

FEATURES

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

Multimedia Stretch Taps

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

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

SPECIFICATIONS

Dimensions

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

Mechanical

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

Electrical Specifications

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

Standards Compliance

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

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

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

Underwriters Laboratories
- Standard 1459

IEC
- Class 3 circuits

IEEE
- Category B1 C62.41-1991

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

CENELEC
- Standards EN60065, EN50083-1

AC/RF Bypass Switch Performance

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

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

Multimedia Stretch Tap
Two-way – Revision A

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

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	543484	Multimedia Stretch Tap 2-Way Faceplate Assembly
Directional Coupler Module	SAT STM2-0	543487	Multimedia Stretch Tap Module @ 0 dB
	SAT STM2-4	562108	Multimedia Stretch Tap Module @ 4 dB
	SAT STM2-7	562109	Multimedia Stretch Tap Module @ 7 dB
	SAT STM2-10	562110	Multimedia Stretch Tap Module @ 10 dB
	SAT STM2-13	562111	Multimedia Stretch Tap Module @ 13 dB
	SAT STM2-16	562112	Multimedia Stretch Tap Module @ 16 dB
	SAT STM2-19	562113	Multimedia Stretch Tap Module @ 19 dB
	SAT STM2-22	562114	Multimedia Stretch Tap Module @ 22 dB
	SAT STM2-25	562115	Multimedia Stretch Tap Module @ 25 dB

Multimedia Stretch Tap
Four-way – Revision A

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

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

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

Multimedia Stretch Tap
Eight-way – Revision A

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

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

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

TIME WARNER CABLE
SYRACUSE DIVISION

Converter and Trap Specifications

System Name: TIME WARNER - SYRACUSE

Date: August 2000

All testing 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 B-basic traps, individual channel traps, high pass filters, etc.

Settop Converters

Specifications

	DQN7P-* (*=Output channel 2/3)
nput Frequency	54-550 MHz
RC/IRC Frequency Assignments	Programmable 82 channels
nput Video Level	0dBmV to +15dBmV
nput Sound Level	-17dBmV to +5dBmV
oise Figure	10dB maximum (Carrier-to-Noise Ratio: 52dB at 3dBmV input level)
ine Tuning	Automatic
FT Capture Range	±300 KHz @ input level of 0dBmV ±1.3 KHz @ specified temperature
utput Frequency Stability	±100 KHz @ specified temperature and AC voltage range
eturn Loss:	
Input	6 dB min.
Output	10 dB min.
purious:	
Input	-10dBmV max.
Output	-57dBmV max., in-band
oss Modulation Distortion	-56dB (82 channels, each @ 15dBmV input level)
econd Order Distortion	-62dB (@ +15 dBmV input level)
omposite Triple Beat Distortion	-65dB (82 channels, each @ +15dBmV)
nverter Input Beats (with All Input Signals)	-25dBc (82 channels, each @ +15dBmV)
utput Level	+5dBmV to +15 max.
in	0dB min.: 8 dB max.
Adjacent Video Trap	-12dB nominal: -8dB min.
djacent Video Trap	-12dB nominal: -8dB min.
cy Response	1.5dB Peak-to-Peak for 4.5MHz video-to-audio carrier
olation (Input/Output)	70dB min.
rental Control by Channel	100% user-controlled offering channel-by-channel selection with user-supplied/implemented "lock-out" feature
chanical Security	Std.: Security Screws; uni-chassis construction
erating Temperature Range	59°F to 104°F (15°C to 40°C)
erating Humidity Range	5% to 95% (non-condensing)
Voltage	105 VAC to 125 VAC, 60Hz
wer Dissipation	14 watts at 125 VAC
ze	8.0" x 7.0" x 2.5" (LxWxH) (203.3mm x 177.3mm x 63.5mm)
ight	3.9lbs.

MRC-Remote Control

ansmission Range
to 25 feet in direct line from the receiver/converter or up to
feet at an angle of up to ±20 degrees from receiver center line

wer Requirements	Two 1.5V AAA batteries
	3 ounces (with battery)
tteries	Included as standard

BUDDY-Remote Control

Transmission Range
Up to 30 feet in a direct line from the receiver/converter at
0 degrees and 22 feet at an angle of up to ±20 degrees axial.

Power Requirements	3 Volts
Weight	4 ounces (with battery)
Batteries	Included as standard, two 1.5 volts AAA

Specifications

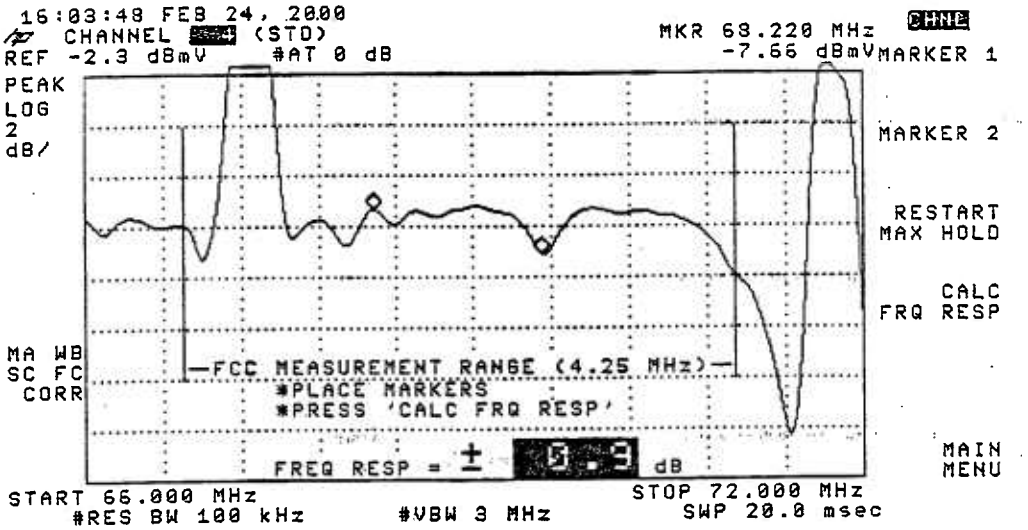
	DFV72*#P (* = 1-way/2-way; # = output channel 2/3 or 3/4)
Input Frequency	54-550 MHz (excluding data carrier frequency)
IRC/IRC Frequency Assignments	Downloaded
Number of Channels	82 channels per cable; one or two cables
Dual A/B Cable Switching	Optional A/B Switch (field upgradable)
A/B Cable Indicator	LED in front display
Input Video Level	0 dBmV to +15 dBmV
Input Sound Level	-17 dBmV to +2 dBmV
Data Carrier Frequency Bandwidth Level	FSK Modulated FM Carrier 106.5 MHz ±200 KHz standard FM -15 dBmV min.
C/N	49 dB @ 0 dBmV input
Tuning	Automatic
AFT Capture Range	±300 KHz @ input level of 0 dBmV
Output Frequency Stability	±150 KHz across input dynamic range
Return Loss: Input Output	 6 dB min. 8 dB min.
Spurious: Output	 -57 dBc max., in-band
Cross Modulation Distortion	-56 dB (82 channels, each @ 15 dBmV input level)
Composite Second Order Distortion	-60 dB (82 channels, each @ +15 dBmV)
Second Order Distortion	-60 dB (@ +15 dBmV input level)
Converted input beats (with all input signals)	-25 dB (82 channels, each @ 15 dBmV)
Composite Triple Beat Distortion	-65 dB (82 channels, each @ 15 dBmV)
Output Level	10 dBmV - 15 dBmV
Isolation (Input/Output)	70 dB min.
Differential Phase	10 degrees

ifferential Gain	10%
crambling Method	Gated Sync Suppression or Dynamic Gated Sync Suppression; Eamlin Compatibility. (Unauthorized viewing is switched to barker channel) Option: Oak Compatibility (A, B)
lectronic arental Control by Channel	100% user-controlled offering channel-by-channel selection
echanical Security	Std.: security screws; security pin; uni-chassis construction
ownloadable Parameters	Output Channel Initialization Command Channel Map System Site Code Time Out Period Terminal Configuration Authorization Information Barker Channel(s) Consumer Feature Enable/Disable
wo-way System Compatibility	Upgrade in field by addition of STARFONE® or STARVUE® internal module
perating Temperature Range	59°F to 104°F (15°C to 40°C)
perating Humidity Range	5% to 95% (non-condensing)
C Voltage	105 VAC to 125 VAC, 60 Hz
Dissipation	16 Watts at 120 VAC
ge Protection	Surge protection provided on power supply and RF ports
ize	10.25" x 8.25" x 2.7" (LxWxH) (260.4 mm x 209.6 mm x 68.6 mm)
eight	5.5 lbs

DTV7200F Handheld Remote Control

ransmission Range	Up to 25 feet in a direct line from the reciever/converter or up to 22 feet at an angle of ñ20 degrees reciever centerline
ower Requirements	Two 1.5 Volt AAA Batteries
eight	3 Ounces (with Battery)
atteries	Included as standard

OTE: Specifications subject ot change without notice.


16:03:48 FEB 24, 2000
CHANNEL 4 (STD)
REF -2.3 dBmV
#AT 0 dB
MKR 68.220 MHz
-7.66 dBmV
CHNE
MARKER 1
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MAIN
MENU
PEAK
LOG
2
dB/
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 5.3 dB
START 66.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 72.000 MHz
SWP 20.0 msec

Specifications

MODEL	CFT 20*# (* = 1 way/2 way; # = output channel 3/4)
Input Frequency	54-550 MHz (excluding data carrier frequency)
IRC/IRC Frequency Assignments	Downloaded
Number of Channels	82 channels per cable; one or two cables
Dual A/B Cable Switching	Optional A/B switch (field upgradable)
A/B Cable Indicator	LED in front display
Input Video Level	0 dBmV to +15 dBmV
Input Sound Level	-17 dBmV to +2 dBmV
Data Carrier	FSK Modulated FM Carrier
Frequency	106.5 or 108.5 MHz
Bandwidth	±200 KHz standard FM
Level	-15 dBmV
S/N	49 dB @ 0 dBmV input level
Fine Tuning	Automatic
AFT Capture Range	±300 KHz @ input level of 0 dBmV
Output Frequency Accuracy	±150 Khz
Return Loss:	
Input	6 dB min.
Output	8 dB min.
Spurious:	
Output	-57 dBc max., in band
Cross Modulation Distortion	-56 dB (82 channels, each @ +15 dBmV)
Composite Second Order Distortion	-60 dB (82 channels, each @ +15 dBmV)
Second Order Distortion	-60 dB (@ +15 dBmV input level)
Composite Triple Beat Distortion	-65 dB (82 channels, each @ +15 dBmV)
Converted Input Beats (With all Input Signals)	-25 dB (82 channels, each @ +15 dBmV)
[redacted] Modulation Distortion	3 IRE
[redacted] Level	10 to 15 dBmV
Isolation (Input/Output)	70 dB min.
Differential Gain	10% (max.)

iiferential Phase	10 degrees (max.)
crambling Method	Gated Sync Suppression or Dynamic Gated Sync Suppression, Video Inversion, Audio Privacy, Hamlin Compatibility
een Display	Character Size: 12 x 18 pixels Screen Size: 12 rows x 24 columns Message/Barker Capacity: 14 pages Channel Descriptors: 4 characters, maximum
arental Control by Channel	100% user-controlled offering channel-by-channel selections
echanical Security	Std.: security screws; security pin; uni-chassis construction
ownloadable Parameters	Output Channel Initialization Command Terminal Logical Address System Site Code Time Out Period Terminal Configuration Authorization Information Barker Channel(s) Consumer Feature Enable/Disable Subscriber Messaging Channel Descriptors Channel Cross Reference Map Decryption Key
y System Compatibility	Upgrade in field by addition of STARVUE® OR STARFONE® internal module
erating Temperature Range	59°F to 104°F (15°C to 40°C)
erating Humidity Range	5% to 95% (non-condensing)
Voltage	105 VAC to 125 VAC, 60 Hz
er Dissipation	16 watts at 120 VAC
rge Protection	Surge protection provided on power supply and RF ports
ze	10.25" x 8.25" x 2.7" (LxWxH) (260.4 mm x 209.6 mm x68.6 mm)
ight	5.5 lbs

Jerrold Impulse Model CFT 2000 Handheld Remote Controls

SD ssion Range	Up to 25 feet in a direct line from the receiver/converter or up to 22 feet at an angle of ±20 degrees from receiver centerline
RC-OSD ansmission Range	Up to 25 feet in a direct line from the receiver/converter or up to 22 feet at an angle

	of ±20 degrees from receiver centerline
IN VIEW	
Transmission Range	Up to 30 feet in a direct line from the receiver/converter at 0 degrees and 22 feet at any angle of up to ±20 degrees axial
Requirements	Two 1.5 Volt AAA batteries
Weight	3 ounces (with battery)
Batteries	Included as standard
Power Requirements	Four 1.5 Volt AAA batteries
Weight	10 ounces (with battery)
Batteries	Included as standard
Power Requirements	3 Volts
Weight	4 Ounces (with battery)
Batteries	Included as standard, Two 1.5 Volt AAA

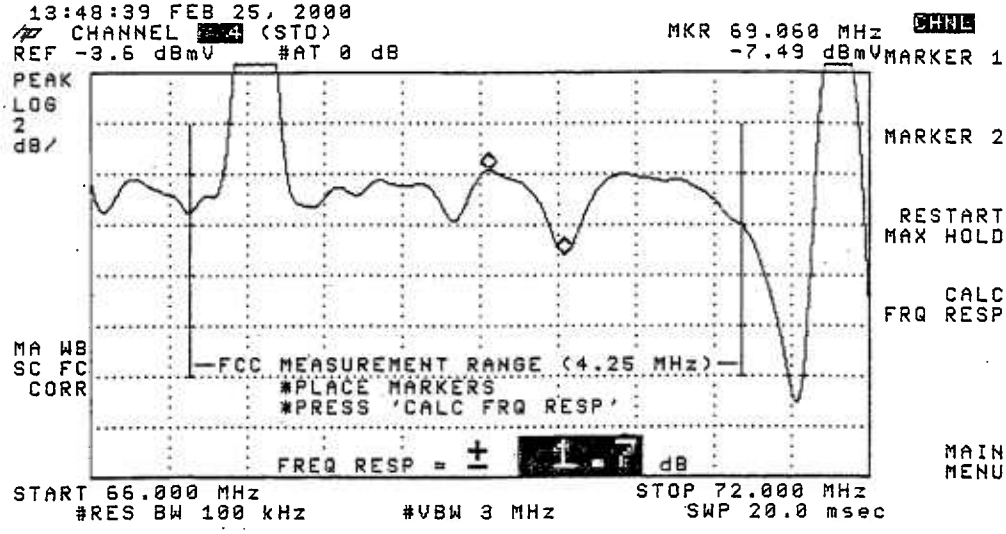
NOTE: Specifications subject to change without notice.

Appendix A
Technical Specifications

CFT2200 Set-Top Specifications

Input Frequency	54-860 MHz (excluding data carrier frequency)
HRC/IRC Frequency Assignments	Downloadable
Number of Channels	136 channels per cable; one or two cables
Dual A/B Cable Switching	Optional A/B (field upgradeable)
A/B Cable Switching	LED in front display
Input Video Level	0 dBmV to + 15 dBmV
Input Sound Level	– 17 dBmV to + 2 dBmV
Data Carrier	FSK modulated FM carrier (see the product catalog for additional data carriers)
Frequency	106.5, 108.5 or 97.5 MHz
Bandwidth	± 200 kHz standard FM
Level	– 15 dBmV
Video S/N	49 dB @ 0 dBmV input level
Output Frequency Accuracy	± 150 kHz
Return Loss	
Input	6 dB minimum
Output	8 dB minimum
Spurious Output	– 57 dBc maximum, in band
Cross Modulation Distortion	– 56 dB (136 channels, each @ + 15 dBmV)
Composite Second Order Distortion	– 57 dB (136 channels, each @ + 15 dBmV)
Second Order Distortion	– 60 dB (136 channels, each @ + 15 dBmV)
Composite Triple Beat Distortion	– 57 dB (136 channels, each @ + 15 dBmV)
Converter Input Beats (with all input signals)	– 25 dB (136 channels, each @ + 15 dBmV)
Hum Modulation Distortion	3 IRE
Output Level	10 to 15 dBmV
Isolation (input/output)	70 dB minimum
Differential Phase	10 degrees (maximum)
Scrambling Method	Gated sync suppression or dynamic gated sync suppression, video inversion, audio privacy, Hamlin compatibility

On Screen Display	
Character Size	12 × 8 (in 16 × 32) pixels
Screen Size	16 rows × 32 columns
Message/Barker Capacity	Up to 40 pages (configuration dependent)
Channel Descriptors	5 character, maximum
Mechanical Security	Standard: security screws; security pin; uni-chassis construction
Two-way Systems Compatibility	Upgrade in the field by addition of STARVUE or STARFONE
Operating Environment Range	
Temperature	-15 to + 40 degrees C (59 to + 104 degrees F)
Humidity	5 to 95% (non-condensing)
AC Voltage	105 Vac to 125 Vac, 60 Hz
Power Dissipation	19 watts at 115 VAC
Surge Protection	Provided on power supply and RF ports
Size	13.0 × 8.53 × 2.875 inches
Weight	7.0 pounds


13:48:39 FEB 25, 2000
CHANNEL 4 (STD)
REF -3.6 dBmV
#AT 0 dB
MKR 69.060 MHz
-7.49 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 = ± 1.7 dB
MAIN
MENU
START 66.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
STOP 72.000 MHz
SWP 20.0 msec

EXPLORER 2000 DHCT Specifications

Introduction

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

Electrical Overstress Protection

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

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

RF and Baseband Output Performance

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

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

Frequency Resolution

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

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

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
	Volume control	64 steps from 0 dB (maximum volume) to -63 dB nominal
	Step size	1 ±0.5 dB
	Mute	-50 dB
Analog service (BTSC selected)	Frequency response	50 Hz to 10 kHz ± 2 dB
	Stereo channel separation	• 25 dB at 3 kHz • 15 dB at 10 kHz
	Total harmonic distortion	1 kHz <3.5%
	Signal-to-noise ratio	• > 45 dB A-weighted • 25 kHz L+R deviation at 1 kHz
Analog service (SAP selected)	Frequency response	100 Hz to 8 kHz ± 2 dB
	Total harmonic distortion	1 kHz < 3.0%
Digital service	Frequency response	20 Hz to 20 kHz ± 1.0 dB
	Signal to noise ratio	• >84 dB A-weighted • >84 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 (may change based on FCC part 76)	3 dB p-p
S/N with input +5 dBmV, input C/N 57 dB min. (55-550 MHz)	42 dB minimum unweighted
S/N with input +5 dBmV, input C/N 57 dB min. (55-860 MHz)	41 dB minimum unweighted

RF Output

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

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 b+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

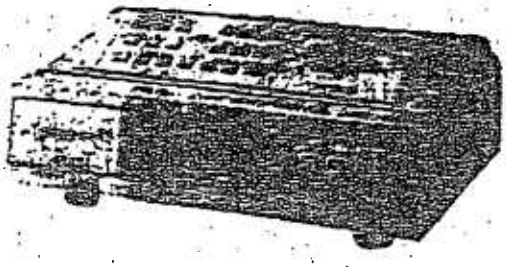
The EXPLORER 2000 Digital Home Communications Terminal meets FCC Part 15, subpart B, class B, applicable parts of Part 76, and UL rule #1409 under the required category of Cable Terminal Devices.

Service Manual

CATV Converter

With Detachable Infrared Remote Contro

TZ-PC140 series
TZ-PC145 series



Without Detachable Infrared Remote Contro

TZ-PC141 series
TZ-PC146 series

The Service Technician is required to read and follow the "Safety Precautions" and "Important Safety Notice" in this Service Manual.

SPECIFICATIONS

Input Bandwidth	:	54MHz – 450MHz or 550MHz
Input Channel	:	68 or 85 Channels (Standard & IRC) 66 or 83 Channels (HRC)
Channel Assignment	:	Standard, IRC and HRC
Input Level	:	–6 dBmV to +15dBmV
Input/Output Impedance	:	75 Ohms (F receptacle)
Input Return Loss	:	TZ-PC140/PC141 : 5dB (Min.), 7dB (Typ.) TZ-PC145/PC146 : 4dB (Min.), 7dB (Typ.)
Output Return Loss	:	16 dB
Output Channel	:	Ch 2, Ch 3 and Ch 4
Noise Figure	:	TZ-PC140/PC141 : Less than 15 dB (Min.), Less than 13 dB (Typ.) TZ-PC145/PC146 : Less than 16 dB (Min.), Less than 14 dB (Typ.)
Cross Modulation	:	–53dB (Min.), –57dB (Typ.) at +15 dBmV : 65 or 82 Channel load
Inter Modulation	:	–53dB (Min.), –55dB (Typ.) at +15 dBmV : 65 or 82 Channel load
Auxiliary AC Outlet Capability	:	400W (Max.)
Channel Memory Capacity	:	68 or 85 (Max.)
Surge Protection	:	6 KV (between power line and cable ground)
Static Discharge Protection	:	25 KV
Power Source	:	105V – 130V/60 Hz
Dimensions (W x H x D)	:	8-5/64 x 2-41/64 x 5-5/16 Inch (205 x 67 x 135 mm)
Net Weight	:	1.0 kg (2.25 lbs)

Specifications are subject to change without notice.

Panasonic

Panasonic Industrial Company
One Panasonic Way
Secaucus, New Jersey 07094

Panasonic Hawaii, Inc.
91 [illegible] Kauai St. 3rd Floor
P. O. Box 774
Honolulu, Hawaii 96808 0774

Panasonic Sales Company,
Division of Matsushita Electric
of Puerto Rico, Inc.
Ave. 65 De Infantería, Km 9.7
Victoria Industrial Park
Carolina, Puerto Rico 00630

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	-8.9 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	-9.5 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	-12.2 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

tents #5143133, 5168251 Trap: Length is 3.56" / Diameter .825 / Specifications subject to change without notice

EAGLE COMTRONICS INC

Corporate Headquarters: 4562 Waterhouse Road, Clay, NY 13041
Telephone: (315) 622-3402 Toll Free 1 800-448-7474 *Fax:* (315) 622-3800
Eagle Web Site: http://www.eagleiiters.com
U.S.: Antec Corp. *Telephone:* 1-800-252-2288 *Fax:* (708) 439-8531
Canada: Antec Corp., *Telephone:* 1-800-665-1482 *Fax:* (905) 507-6496 Telonix, *Telephone:* 1-888-835-6649 *Fax:* 905-727-2991

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Pub No. 496-4 Printed in USA

ETN* MICRO-SERIES Single Channel Negative Traps

Typical Response

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

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

EAGLE COMTRONICS INC.

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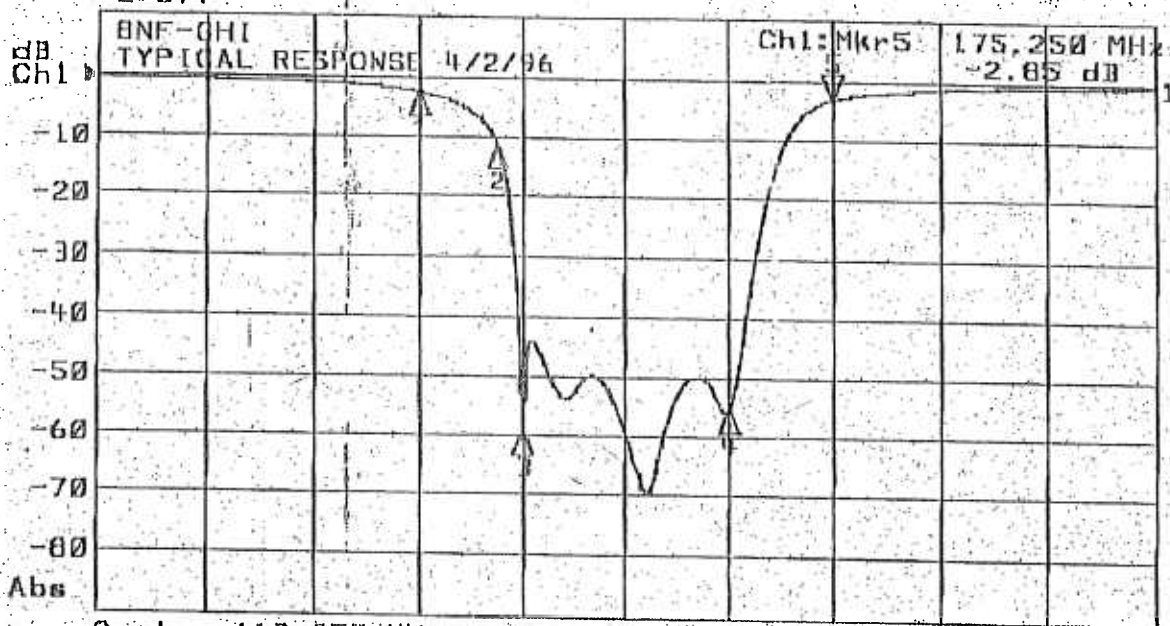
Pub No. 496-1

EAGLE COMTRONICS INC.

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



Center 163.250 MHz Span 60.000 MHz

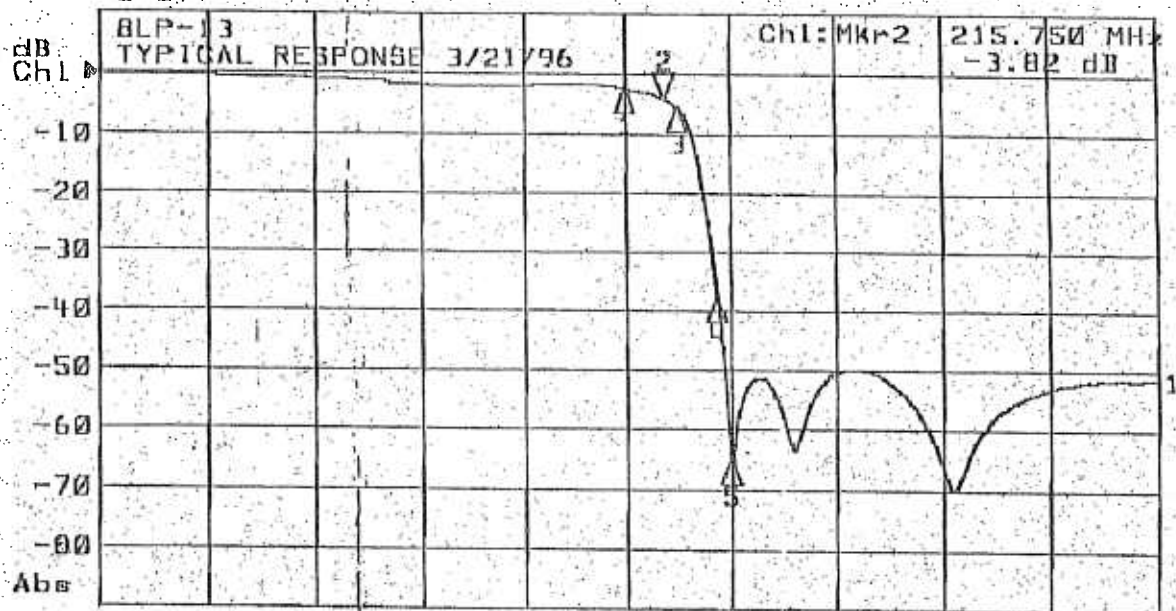
1: Mkr (MHz)	dB
1: 151.25	-2.10
2: 155.75	-11.11
3: 157.25	-59.37
4: 169.25	-55.32
5> 175.25	-2.05

2: Mkr (MHz)	dB

EAGLE COMTRONICS

EAGLE COMTRONICS INC.

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



1: Mkr (MHz)	dB
1: 211.25	-2.20
2> 215.75	-3.82
3: 217.25	-5.32
4: 221.75	-37.81
5: 223.25	-65.01

2: Mkr (MHz)	dB

PPC TRAP SPECIFICATION SHEET

Product Code: _____ Prep By: MB

Model: MBR6-150/22 Date: 4-15-97

No. Poles: 6 Revi _____

Response: Actual ☒ Estimated ☐

Parameter

Passband Loss1 2.5 dB Max

Frequency Range: 5 MHZ To 100 MHZ

Passband Loss2 3 dB Max

Frequency Range: 340 MHZ To 1 MHZ/GHZ

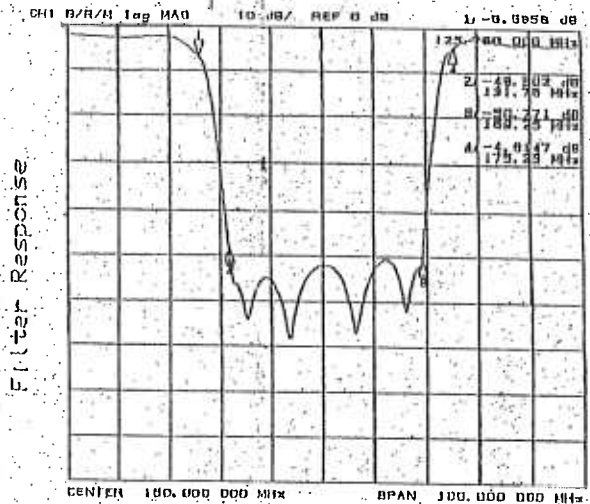
Rejection: 45 dB Min

Frequency Range: 133.26 MHZ To 162.75 MHZ/GHZ

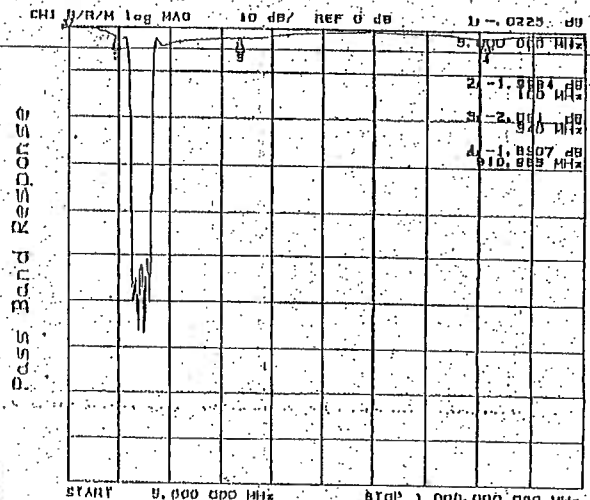
	Freq Desc:	Freq (MHZ)	Loss (dB)
1.	14 AUD	125.76	7.5 MAX
2.	15 AUD	131.76	40 min
3.	22 VID	169.25	40 min
4.	7 VID	175.25	5.5 MAX
5.			
6.			

Other Specifications

Revisions:



Filter Response



Pass Band Response

PFC

Production Pre Co.

DIV. OF JOHN MEZZALINGO, INC.

PPC TRAP SPECIFICATION SHEET

Product Code: MLP6-13 Prep By: RCR

Model: MLP6-13 Date: 3/5/97

No. Poles: 6 Rev: _____

Response: Actual ☒ Estimated ☐

Parameter

Passband Loss#1 1.5 dB Max

Frequency Range: 5 MHZ To 145 MHZ

Passband Loss#2 _____ dB Max

Frequency Range: _____ MHZ To _____ MHZ/GHZ

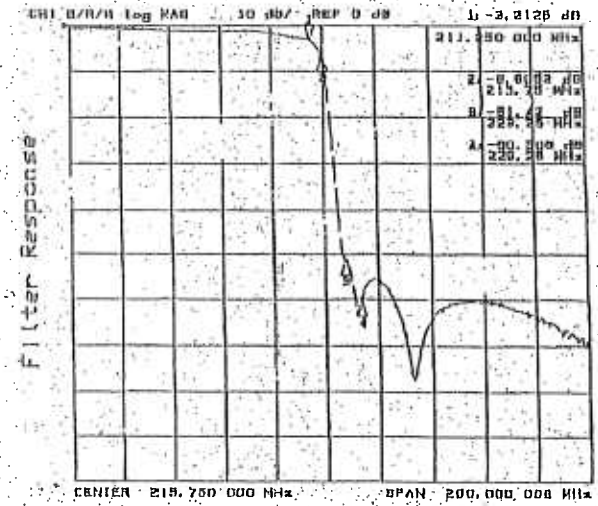
Rejection: 50 dB Min

Frequency Range: 229.26 MHZ To 1 MHZ/GHZ

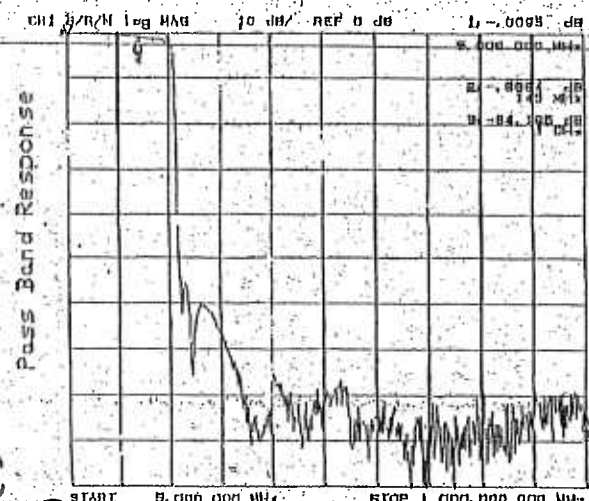
	Freq Desc.	Freq (MHZ)	Loss (dB)
1.	13VID	41.25	4.5MAX.
2.	13AUD	215.75	9.0MAX.
3.	24VID	223.25	45MIN.
4.	25VID	229.26	50MIN.
5.			
6.			

Other Specifications

Revisions:



Filter Response



Pass Band Response

PTC
Production Products Co.
DIV. OF JOHN MEZZALINGUA ASSOC., INC.

10/01/97 WED 11:45 [TX/RX NO 7043] 003

TIME WARNER CABLE
SYRACUSE DIVISION

Proof - of - Performance Tests

Headend Tests

System Name: Time Warner - Syracuse

HE Location: Geddes Headend
Southview Dr., Geddes

Visual Carrier and Aural Carrier Difference Frequency Tests

(at Headend)

System Name: Syracuse

HE Location: Geddes (Southview Dr.)

Date: July 2000 Performed by: Pat Thrall

Chan	Freq.	Visual Freq. (MHz)	Aural Freq. Diff. (MHz)	Chan	Freq.	Visual Freq. (MHz)	Aural Freq. Diff. (MHz)
2	55.2500	55.25104	4.49999	AA	301.2625	301.26258	4.49998
3	61.2500	61.24995	4.50011	BB	307.2625	307.26274	4.49999
4	67.2500	67.24993	4.50004	CC	313.2625	313.26328	4.49999
5	77.2500	77.24997	4.49999	DD	319.2625	319.26283	4.50000
6	83.2500	83.24983	4.50002	EE	325.2625	325.26245	4.49997
				FF	331.2750	331.27516	4.50001
				GG	337.2625	337.26219	4.50001
A-5	91.2500			HH	343.2625	343.26300	4.49998
A-4	97.2500			II	349.2625	349.26236	4.50003
A-3	103.2500			JJ	355.2625	355.26253	4.50003
A-2	109.2750	109.27487	4.50003	KK	361.2625	361.26233	4.50004
A-1	115.2750	115.27493	4.50005	LL	367.2625	367.26263	4.50001
A	121.2625	121.26295	4.49992	MM	373.2625	373.26276	4.50003
B	127.2625	127.26282	4.50011	NN	379.2625	379.26292	4.50000
C	133.2625	133.26258	4.50003	OO	385.2625	385.26238	4.50004
D	139.2500	139.24983	4.50012	PP	391.2625	391.26271	4.50000
E	145.2500	145.24950	4.50009	QQ	397.2625	397.26294	4.49999
F	151.3210	151.32226	4.50001	RR	403.2500	403.25274	4.50005
G	157.2500	157.25255	4.50000	SS	409.2500	409.25271	4.50010
H	163.2500	163.25225	4.50003	TT	415.2500	415.26253	4.50003
I	169.2500	169.25253	4.50001	UU	421.2500	421.26261	4.50003
7	175.2500	175.25006	4.50004	VV	427.2500	427.26247	4.50000
8	181.2500	181.24986	4.50002	WW	433.2500	433.25328	4.50004
9	187.2500	187.24998	4.49990	XX	439.2500	439.25229	4.49998
10	193.2500	193.25035	4.50001	YY	445.2500	445.25246	4.50003
11	199.2500	199.24970	4.49999	ZZ	451.2500	451.25218	4.50008
12	205.2500	205.25188	4.49999	63	457.2500	457.25239	4.50005
13	211.2500	211.24988	4.49998	64	463.2500	463.25261	4.50005
J	217.2500	217.24985	4.49999	65	469.2500	469.25223	4.50001
K	223.2500	223.24988	4.50001	66	475.2500	475.25241	4.50012
L	229.2625	229.26190	4.49998	67	481.2500	481.25241	4.50009
M	235.2625	235.26244	4.50005	68	487.2500	487.25240	4.50012
N	241.2625	241.26112	4.50007	69	493.2500	493.25251	4.50010
O	247.2625	247.26437	4.50010	70	499.2500	499.25220	4.50008
P	253.2625	253.26253	4.50014	71	505.2500	505.25224	4.50008
Q	259.2625	259.26269	4.49999	72	511.2500	511.25238	4.49997
R	265.2625	265.26126	4.49999	73	517.2500	517.25281	4.50032
S	271.2625	271.26376	4.50017	74	523.2500	523.25249	4.50017
T	277.2625	277.26071	4.50008	75	529.2500	529.25239	4.50011
U	283.2625	283.26234	4.50001	76	535.2500	535.25277	4.50008
V	289.2625	289.26113	4.50001	77	541.2500	541.25250	4.50008
W	295.2625	295.26211	4.49998	78	547.2500	547.25008	4.50000

Visual / Aural Level Difference Test

(at Headend)

System Name: Time Warner - Syracuse

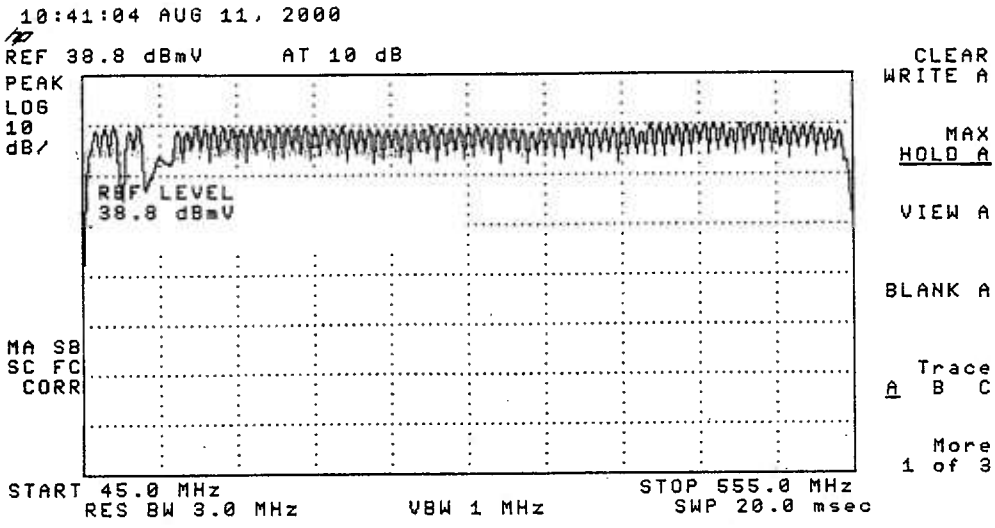
HE Location: Geddes

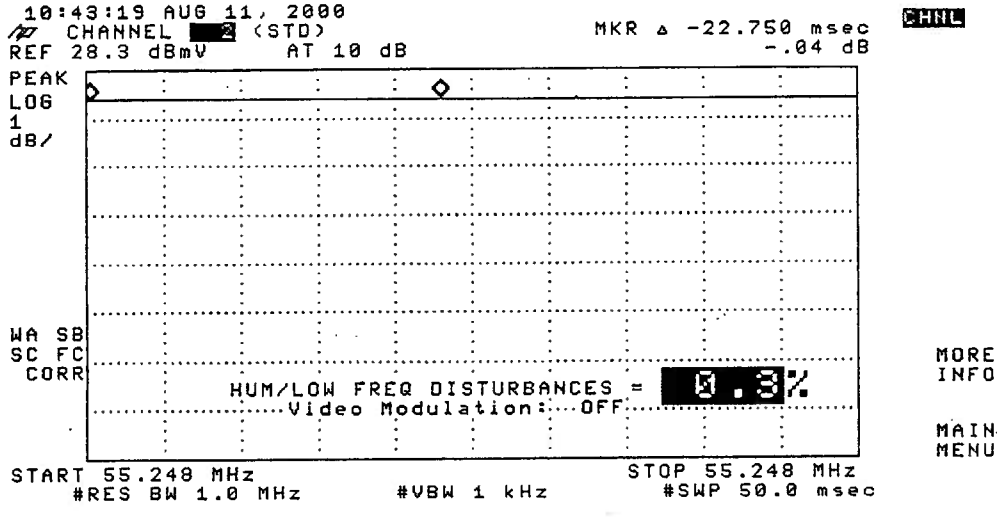
Date: 11-Aug-00 Performed by: P.Thrall

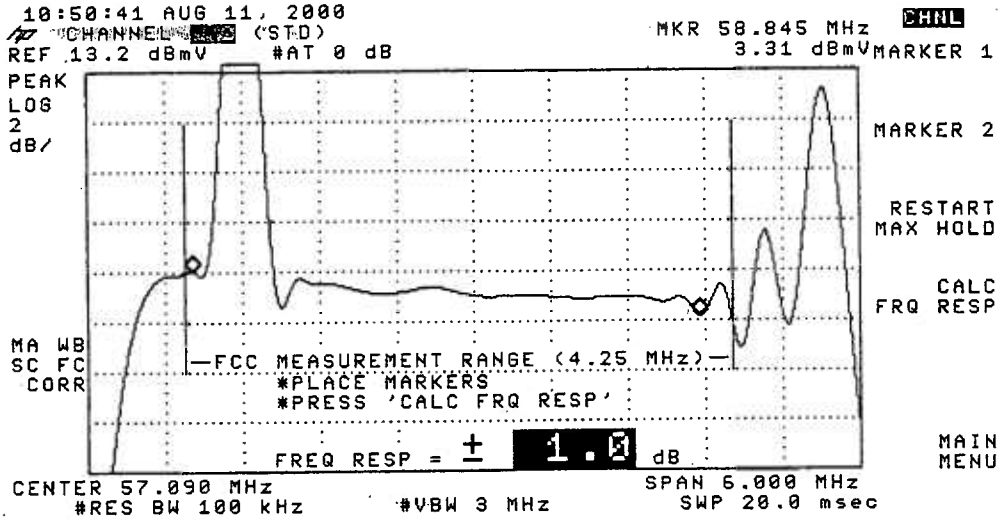
Time: 10:36 AM Meter /Serial Number: Calan 2010 / 9210392

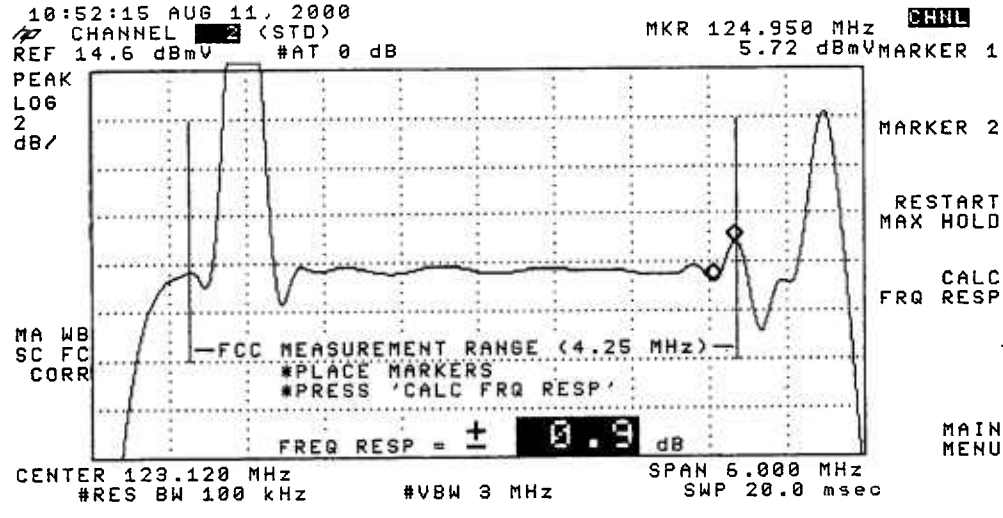
Chan	Freq. (MHz)	Visual Level (dbmv)	Aural Level (dbmv)	Scram "S"	Diff. (Dbmv)	Chan	Freq. (MHz)	Visual Level (dbmv)	Aural Level (dbmv)	Scram "S"	Diff. (Dbmv)
2	55.2500	27.8	13.5		14.3	AA	301.2625	28.0	13.9		14.1
3	61.2500	27.8	13.3		14.5	BB	307.2625	28.2	13.7		14.5
4	67.2500	28.1	13.2		14.9	CC	313.2625	27.9	13.2		14.7
5	77.2500	28.2	13.7		14.5	DD	319.2625	27.9	13.5		14.4
6	83.2500	28.0	13.5		14.5	EE	325.2625	27.5	13.3		14.2
						FF	331.2750	28.2	13.5		14.7
						GG	337.2625	27.9	13.6		14.3
A-5	91.2500					HH	343.2625	27.6	13.1		14.5
A-4	97.2500					II	349.2625	28.3	13.9		14.4
A-3	103.2500					JJ	355.2625	27.6	13.4		14.2
A-2	109.2750	27.5	13.0		14.5	KK	361.2625	28.1	13.8		14.3
A-1	115.2750	27.7	13.7	S	14.0	LL	367.2625	28.0	13.6		14.4
A	121.2625	27.7	13.2		14.5	MM	373.2625	28.2	14.1		14.1
B	127.2625	28.1	13.5		14.6	NN	379.2625	28.3	14.0		14.3
C	133.2625	28.2	13.7		14.5	OO	385.2625	28.2	14.0		14.2
D	139.2500	27.8	13.7		14.1	PP	391.2625	28.2	13.7		14.5
E	145.2500	28.2	13.6		14.6	QQ	397.2625	27.9	13.8		14.1
F	151.2500	27.8	12.4		15.4	RR	403.2500	28.5	14.1		14.4
G	157.2500	28.2	13.7		14.5	SS	409.2500	28.2	13.9		14.3
H	163.2500	28.0	14.0		14.0	TT	415.2500	28.0	13.6	S	14.4
I	169.2500	28.1	13.6		14.5	UU	421.2500	28.3	14.2	S	14.1
7	175.2500	28.4	13.6		14.8	VV	427.2500	28.3	13.8		14.5
8	181.2500	28.1	13.8		14.3	WW	433.2500	28.0	14.3		13.7
9	187.2500	27.9	13.8		14.1	XX	439.2500	28.4	14.0		14.4
10	193.2500	28.5	14.1		14.4	YY	445.2500	28.4	14.0		14.4
11	199.2500	28.3	13.9		14.4	ZZ	451.2500	28.2	13.2	S	15.0
12	205.2500	28.3	13.7		14.6	63	457.2500	28.5	13.7	S	14.8
13	211.2500	28.0	13.4		14.6	64	463.2500	28.3	14.2	S	14.1
J	217.2500	28.0	14.1		13.9	65	469.2500	28.3	13.7		14.6
K	223.2500	28.1	13.6		14.5	66	475.2500	27.7	12.6	S	15.1
L	229.2625	27.8	13.9		13.9	67	481.2500	28.4	14.1	S	14.3
M	235.2625	28.0	13.5		14.5	68	487.2500	27.8	13.7	S	14.1
N	241.2625	28.0	13.5		14.5	69	493.2500	28.0	13.0	S	15.0
O	247.2625	27.7	13.6		14.1	70	499.2500	28.4	13.4	S	15.0
P	253.2625	28.1	13.8		14.3	71	505.2500	27.9	12.9	S	15.0
Q	259.2625	27.9	13.3		14.6	72	511.2500	27.6	13.4	S	14.2
R	265.2625	28.2	13.5		14.7	73	517.2500	27.6	12.5	S	15.1
S	271.2625	28.0	13.4		14.6	74	523.2500	27.8	13.0	S	14.8
T	277.2625	28.1	13.6		14.5	75	529.2500	28.3	13.9		14.4
U	283.2625	28.0	13.5		14.5	76	535.2500	28.3	13.8	S	14.5
V	289.2625	27.7	13.1		14.6	77	541.2500	27.9	13.0	S	14.9
W	295.2625	28.0	13.3		14.7	78	547.2500	28.5	13.4	S	15.1

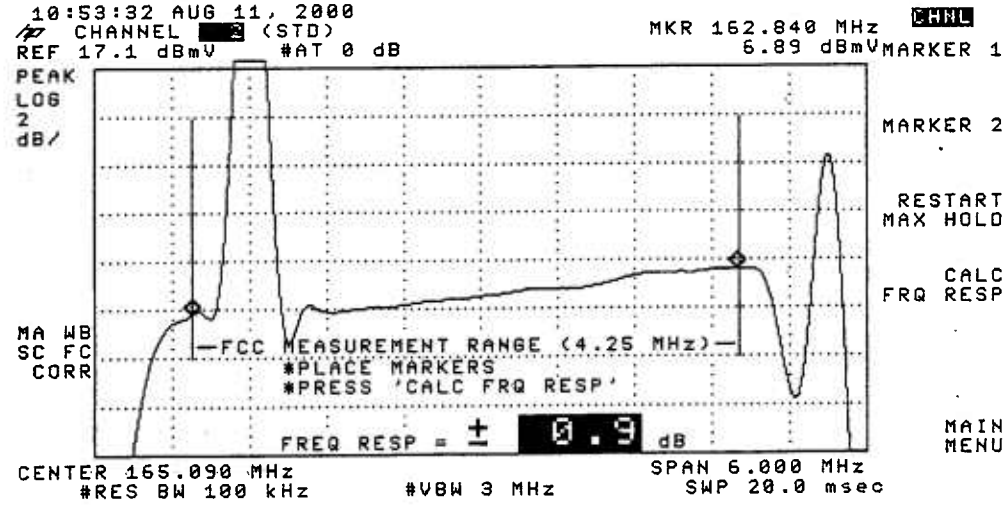
PEAK TO VALLEY: 1

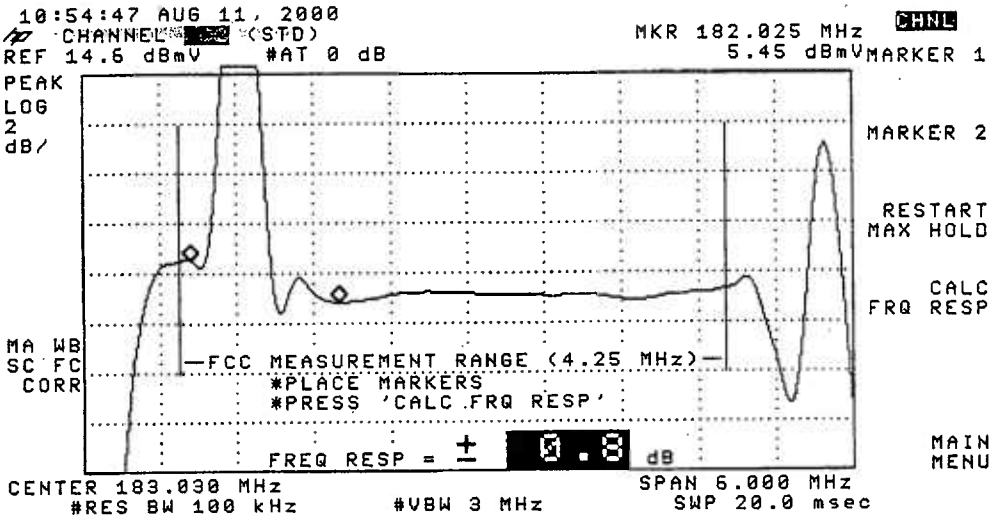

10:41:04 AUG 11, 2000
REF 38.8 dBmV
AT 10 dB
PEAK
LOG
10
dB/
REF LEVEL
38.8 dBmV
MA SB
SC FC
CORR
START 45.0 MHz
RES BW 3.0 MHz
VBW 1 MHz
STOP 555.0 MHz
SWP 20.0 msec
CLEAR
WRITE A
MAX
HOLD A
VIEW A
BLANK A
Trace
A B C
More
1 of 3

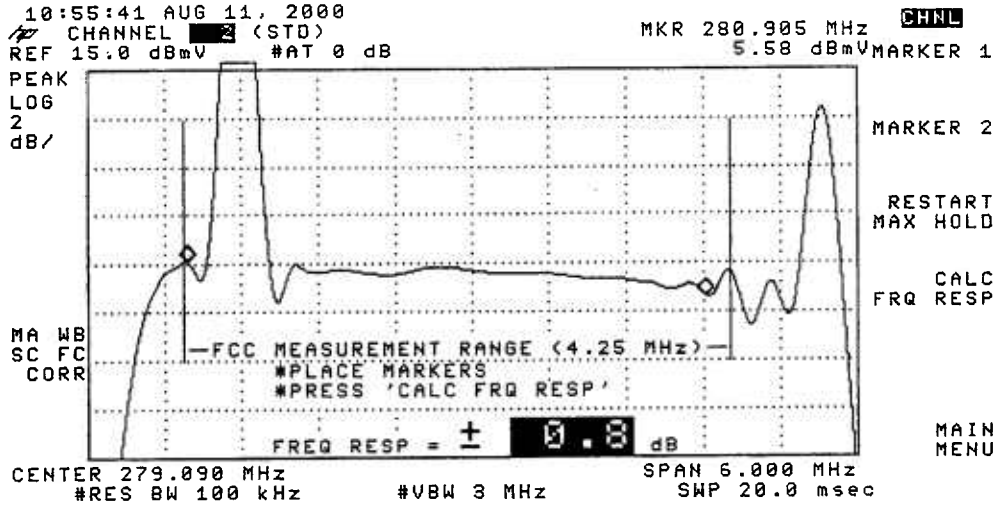

10:43:19 AUG 11, 2000
CHANNEL 2 (STD)
REF 28.3 dBmV
AT 10 dB
MKR Δ -22.750 msec
-.04 dB
CHNL
PEAK
LOG
1
dB/
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = 0.3%
Video Modulation: OFF
START 55.248 MHz
#RES BW 1.0 MHz
#VBW 1 kHz
STOP 55.248 MHz
#SWP 50.0 msec
MORE
INFO
MAIN
MENU

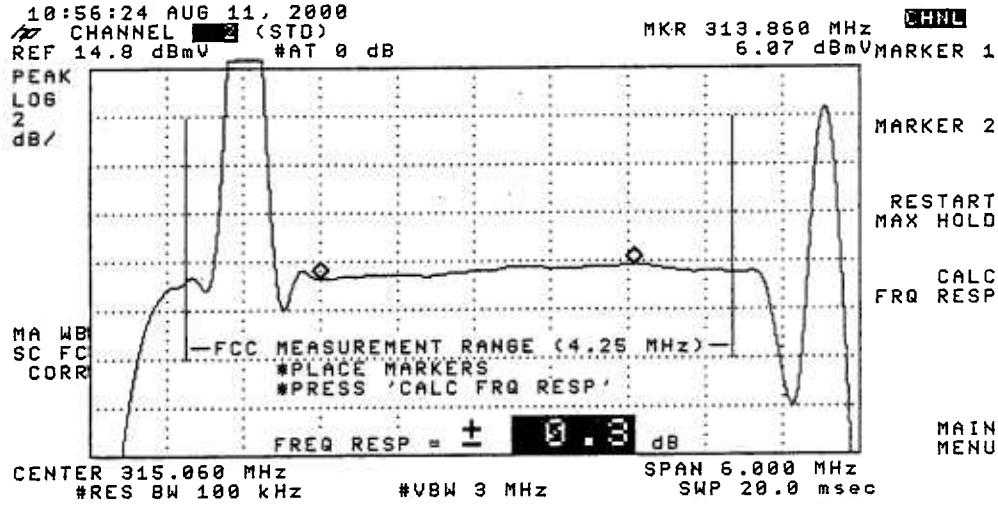

10:50:41 AUG 11, 2000
CHANNEL 2 (STD)
REF 13.2 dBmV
#AT 0 dB
MKR 58.845 MHz
3.31 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 1.0 dB
MAIN
MENU
CENTER 57.090 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

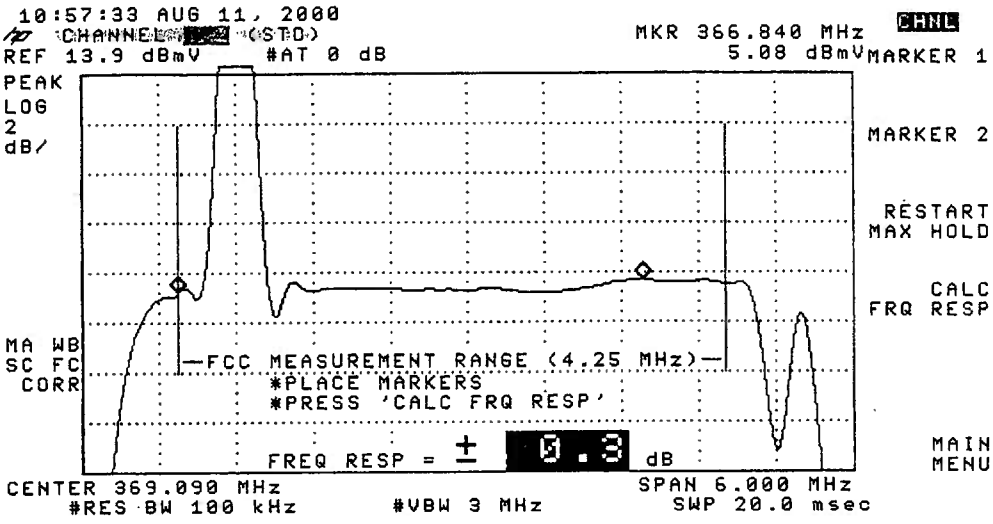

10:52:15 AUG 11, 2000
CHANNEL 2 (STD)
REF 14.6 dBmV
#AT 0 dB
MKR 124.950 MHz
5.72 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.9 dB
MAIN
MENU
CENTER 123.120 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

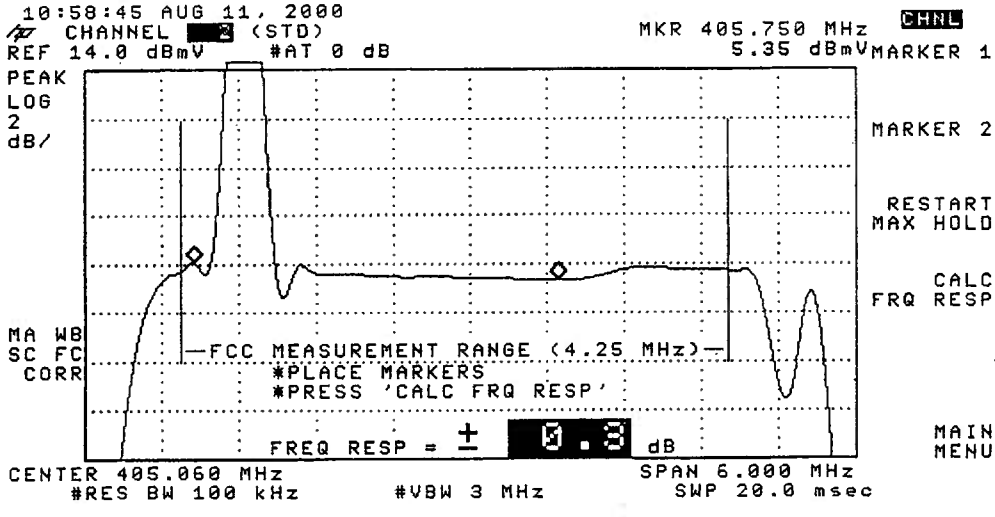

10:53:32 AUG 11, 2000
CHANNEL 2 (STD)
REF 17.1 dBmV
#AT 0 dB
MKR 162.840 MHz
6.89 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.9 dB
MAIN
MENU
CENTER 165.090 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

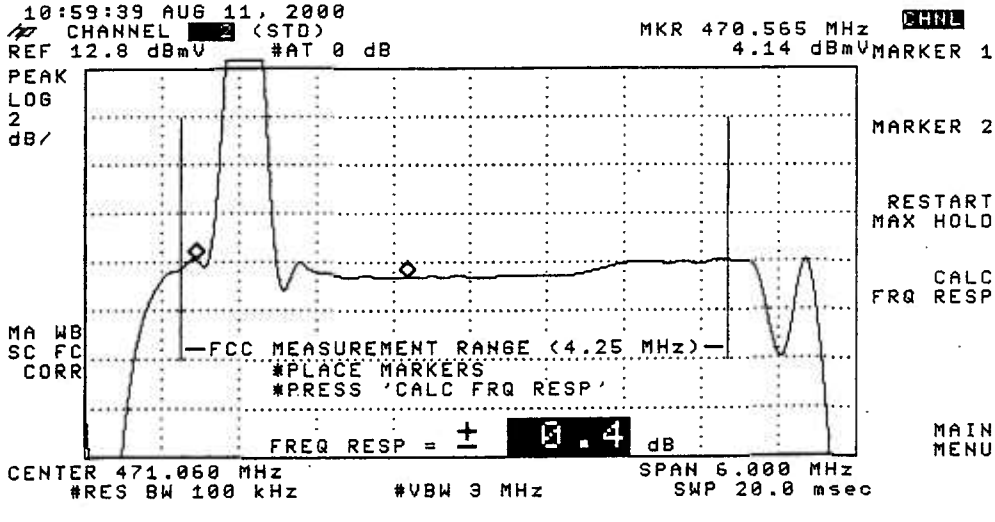

10:54:47 AUG 11, 2000
CHANNEL 2 (STD)
REF 14.6 dBmV
#AT 0 dB
MKR 182.025 MHz
5.45 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.8 dB
MAIN
MENU
CENTER 183.030 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


10:55:41 AUG 11, 2000
CHANNEL 2 (STD)
REF 15.0 dBmV
#AT 0 dB
MKR 280.905 MHz
5.58 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 = ± 0.8 dB
MAIN
MENU
CENTER 279.090 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


10:56:24 AUG 11, 2000
CHANNEL 2 (STD)
REF 14.8 dBmV
#AT 0 dB
MKR 313.860 MHz
6.07 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
CENTER 315.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


10:57:33 AUG 11, 2000
CHANNEL 2 (STD)
REF 13.9 dBmV
#AT 0 dB
MKR 366.840 MHz
5.08 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
CENTER 369.090 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


10:58:45 AUG 11, 2000
CHANNEL 2 (STD)
REF 14.0 dBmV
#AT 0 dB
MKR 405.750 MHz
5.35 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
CENTER 405.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


10:59:39 AUG 11, 2000
CHANNEL 2 (STD)
REF 12.8 dBmV
#AT 0 dB
MKR 470.565 MHz
4.14 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
CENTER 471.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

TIME WARNER CABLE
SYRACUSE DIVISION

Proof - of - Performance Tests

Headend Tests

System Name: **Time Warner - Syracuse**

HE Location: **Fulton Headend, Tower Dr., Fulton**

Visual Carrier and Aural Carrier Difference Frequency Tests

(at Headend)

System Name: Syracuse

HE Location: Fulton (Tower dr.)

Date: July 2000 Performed by: Pat Thrall

Chan	Freq.	Visual Freq. (MHz)	Aural Freq. Diff. (MHz)	Chan	Freq.	Visual Freq. (MHz)	Aural Freq. Diff. (MHz)
2	55.2500	55.25054	4.49992	AA	301.2625	301.26168	4.49999
3	61.2500	61.25148	4.50012	BB	307.2625	307.26239	4.49996
4	67.2500	67.25292	4.50003	CC	313.2625	313.26242	4.49996
5	77.2500	77.24994	4.49998	DD	319.2625	319.26209	4.50027
6	83.2500	83.24977	4.49999	EE	325.2625	325.26171	4.50000
				FF	331.2750	331.27486	4.50002
				GG	337.2625	337.26234	4.50003
A-5	91.2500			HH	343.2625	343.26289	4.49998
A-4	97.2500			II	349.2625	349.26437	4.50003
A-3	103.2500			JJ	355.2625	355.26149	4.50002
A-2	109.2750	109.27485	4.50003	KK	361.2625	361.26315	4.50000
A-1	115.2750	115.27696	4.50001	LL	367.2625	367.26241	4.50004
A	121.2625	121.26335	4.49992	MM	373.2625	373.26271	4.50002
B	127.2625	127.26144	4.50005	NN	379.2625	379.26241	4.50001
C	133.2625	133.26180	4.50002	OO	385.2625	385.26231	4.50002
D	139.2500	139.24994	4.50011	PP	391.2625	391.26251	4.50000
E	145.2500	145.25043	4.50007	QQ	397.2625	397.26246	4.50000
F	151.3210	151.32086	4.49998	RR	403.2500	403.25249	4.50007
G	157.2500	157.25507	4.50003	SS	409.2500	409.25232	4.50013
H	163.2500	163.25060	4.49995	TT	415.2500	415.25253	4.50004
I	169.2500	169.25150	4.50004	UU	421.2500	421.25241	4.50002
7	175.2500	175.24953	4.50003	VV	427.2500	427.25246	4.50000
8	181.2500	181.24996	4.50003	WW	433.2500	433.25285	4.49999
9	187.2500	187.25010	4.49993	XX	439.2500	439.25256	4.49998
10	193.2500	193.25037	4.50003	YY	445.2500	445.25060	4.50003
11	199.2500	199.24994	4.50000	ZZ	451.2500	451.25223	4.50009
12	205.2500	205.25142	4.49998	63	457.2500	457.25276	4.50002
13	211.2500	211.25034	4.49996	64	463.2500	463.25291	4.50005
J	217.2500	217.24990	4.49998	65	469.2500	469.25294	4.50002
K	223.2500	223.25246	4.50004	66	475.2500	475.25259	4.50011
L	229.2625	229.26156	4.49999	67	481.2500	481.25220	4.50010
M	235.2625	235.26138	4.50003	68	487.2500	487.25274	4.50012
N	241.2625	241.26171	4.50005	69	493.2500	493.25294	4.50010
O	247.2625	247.26199	4.50000	70	499.2500	499.25208	4.50009
P	253.2625	253.26440	4.50015	71	505.2500	505.25270	4.50006
Q	259.2625	259.26136	4.50003	72	511.2500	511.25295	4.50005
R	265.2625	265.26284	4.50003	73	517.2500	517.25249	4.50012
S	271.2625	271.26276	4.50003	74	523.2500	523.25282	4.50014
T	277.2625	277.26011	4.50008	75	529.2500	529.25220	4.50012
U	283.2625	283.26110	4.50002	76	535.2500	535.25125	4.50001
V	289.2625	289.26323	4.50003	77	541.2500	541.25224	4.49999
W	295.2625	295.26301	4.50000	78	547.2500	547.25209	4.50007

Visual / Aural Level Difference Test

(at Headend)

System Name: Time Warner - Syracuse

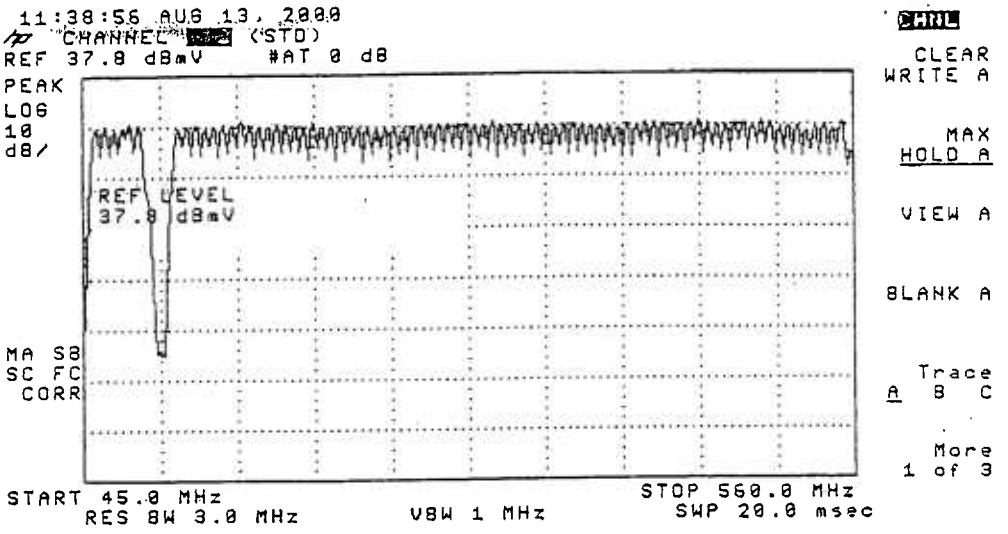
HE Location: Fulton

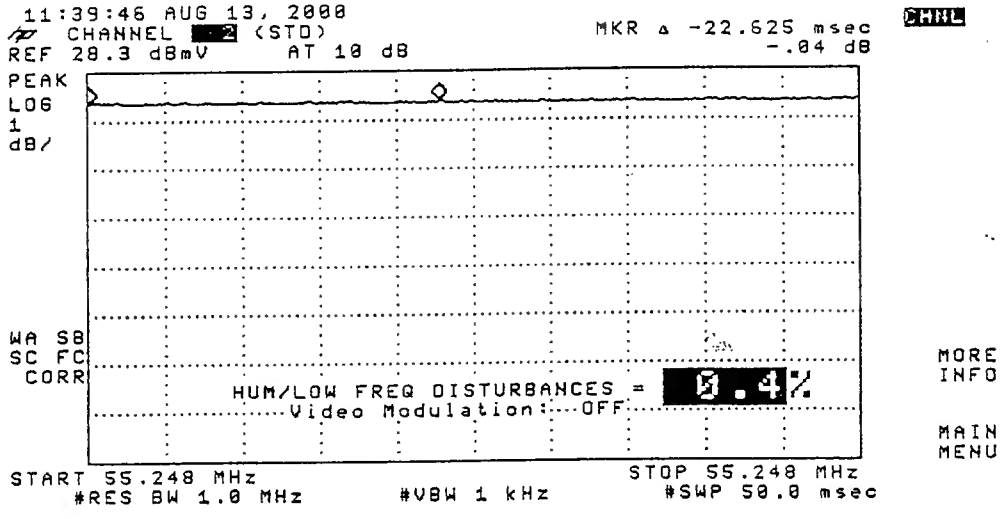
Date: 22-Aug-00 Performed by: P.Thrall

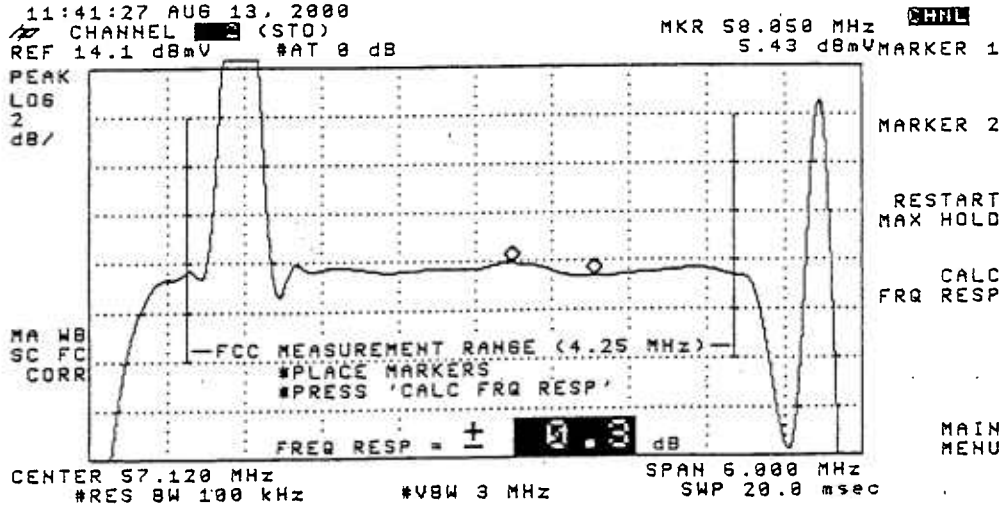
Time: 02:39 PM Meter /Serial Number: Calan 2010 / 9210392

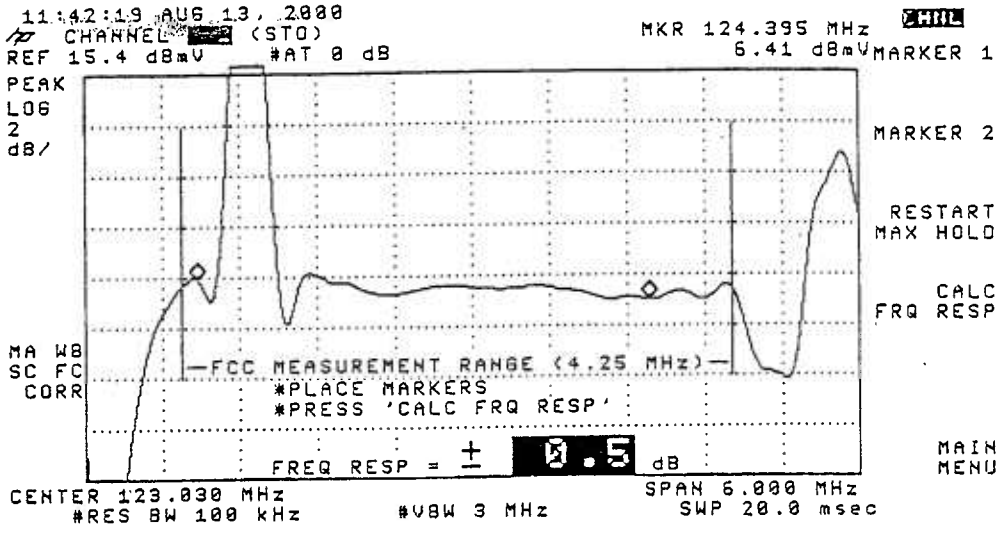
Chan	Freq. (MHz)	Visual Level (dbmv)	Aural Level (dbmv)	Scram "S"	Diff. (Dbmv)	Chan	Freq. (MHz)	Visual Level (dbmv)	Aural Level (dbmv)	Scram "S"	Diff (Dbmv)
2	55.2500	28.1	13.9		14.2	AA	301.2625	28.1	13.7		14.4
3	61.2500	27.8	13.9		13.9	BB	307.2625	27.9	15.8		12.1
4	67.2500	27.0	12.4		14.6	CC	313.2625	28.1	14.0		14.1
5	77.2500	27.9	13.8		14.1	DD	319.2625	28.5	13.9		14.6
6	83.2500	27.8	13.9		13.9	EE	325.2625	27.4	13.8		13.6
						FF	331.2750	27.5	13.2		14.3
						GG	337.2625	27.9	13.9		14.0
A-5	91.2500					HH	343.2625	27.4	13.6		13.8
A-4	97.2500					II	349.2625	28.3	13.1		15.2
A-3	103.2500					JJ	355.2625	27.8	13.7		14.1
A-2	109.2750	27.8	13.4		14.4	KK	361.2625	27.1	13.2		13.9
A-1	115.2750	27.6	13.6	S	14.0	LL	367.2625	27.6	13.5		14.1
A	121.2625	28.0	13.9		14.1	MM	373.2625	27.8	13.5		14.3
B	127.2625	27.2	11.7		15.5	NN	379.2625	28.0	13.8		14.2
C	133.2625	27.7	13.9		13.8	OO	385.2625	27.6	13.9		13.7
D	139.2500	28.1	14.4		13.7	PP	391.2625	27.3	13.5		13.8
E	145.2500	28.0	14.1		13.9	QQ	397.2625	27.4	14.1		13.3
F	151.2500	28.5	12.9		15.6	RR	403.2500	27.2	14.0		13.2
G	157.2500	27.5	13.4		14.1	SS	409.2500	27.7	13.8		13.9
H	163.2500	27.4	13.4		14.0	TT	415.2500	27.3	13.5	S	13.8
I	169.2500	27.3	12.8		14.5	UU	421.2500	27.0	13.6	S	13.4
7	175.2500	27.4	13.3		14.1	VV	427.2500	27.9	13.5		14.4
8	181.2500	27.5	13.2		14.3	WW	433.2500	27.0	12.3		14.7
9	187.2500	27.8	13.4		14.4	XX	439.2500	28.3	14.0		14.3
10	193.2500	27.5	13.2		14.3	YY	445.2500	28.2	14.1		14.1
11	199.2500	28.5	14.3		14.2	ZZ	451.2500	27.0	14.4	S	12.6
12	205.2500	28.0	13.5		14.5	63	457.2500	27.2	12.4	S	14.8
13	211.2500	27.8	13.5		14.3	64	463.2500	27.0	12.8	S	14.2
J	217.2500	27.7	13.0		14.7	65	469.2500	27.3	13.9		13.4
K	223.2500	27.7	13.5		14.2	66	475.2500	27.9	13.1	S	14.8
L	229.2625	27.4	13.2		14.2	67	481.2500	27.6	13.6	S	14.0
M	235.2625	27.9	13.6		14.3	68	487.2500	27.6	13.7	S	13.9
N	241.2625	27.2	12.2		15.0	69	493.2500	27.1	12.9	S	14.2
O	247.2625	27.1	13.3		13.8	70	499.2500	27.2	12.7	S	14.5
P	253.2625	27.2	12.7		14.5	71	505.2500	27.0	13.8	S	13.2
Q	259.2625	27.3	13.4		13.9	72	511.2500	27.0	12.9	S	14.1
R	265.2625	27.5	13.2		14.3	73	517.2500	27.3	14.2	S	13.1
S	271.2625	27.6	13.8		13.8	74	523.2500	27.8	13.5	S	14.3
T	277.2625	27.9	13.4		14.5	75	529.2500	27.0	11.5		15.5
U	283.2625	27.9	14.0		13.9	76	535.2500	27.6	13.3	S	14.3
V	289.2625	27.9	13.9		14.0	77	541.2500	28.3	14.5		13.8
W	295.2625	28.2	14.3		13.9	78	547.2500	28.2	12.6	S	15.6

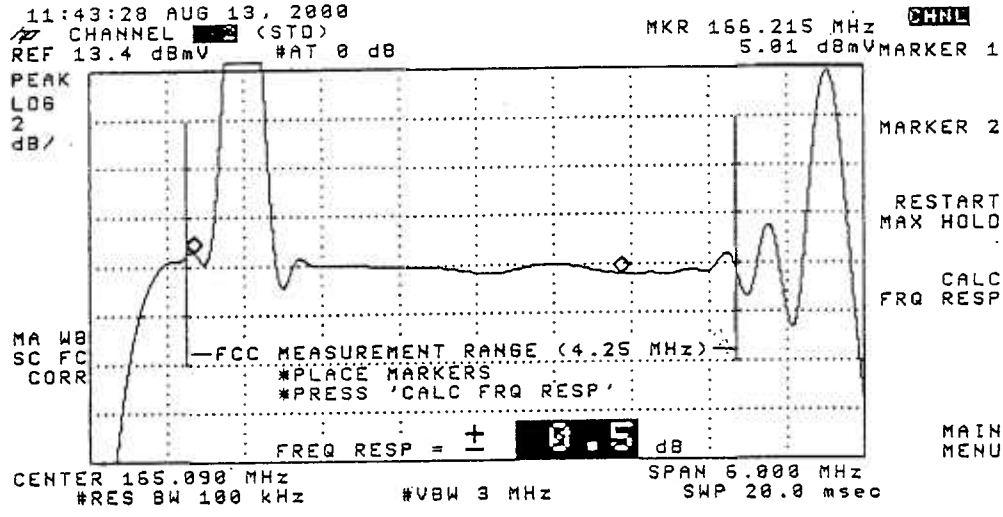
PEAK TO VALLEY: 1.5

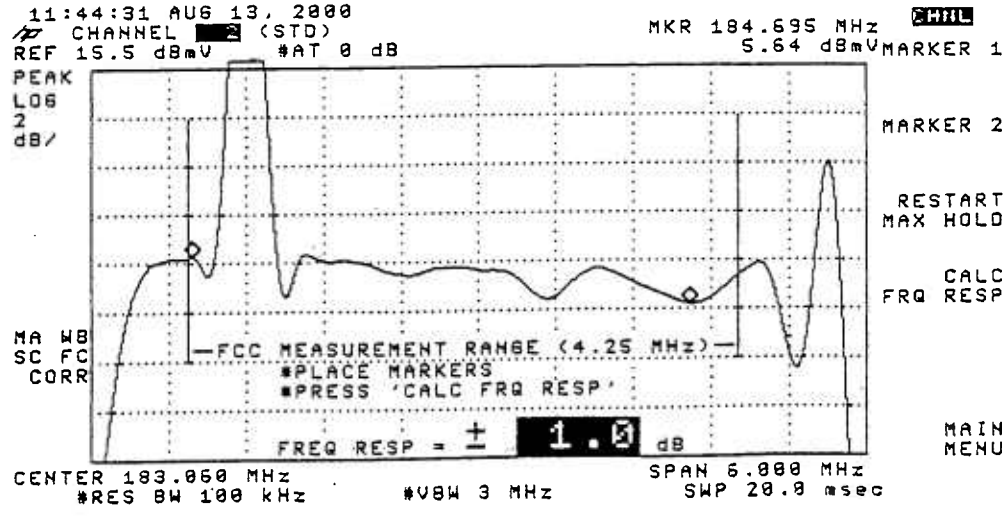

11:38:56 AUG 13, 2000
CHANNEL 2 (STD)
REF 37.8 dBmV
#AT 0 dB
CHNL
CLEAR
WRITE A
MAX
HOLD A
VIEW A
BLANK A
Trace
A B C
More
1 of 3
PEAK
LOG
10
dB/
REF LEVEL
37.8 dBmV
MA SB
SC FC
CORR
START 45.0 MHz
RES BW 3.0 MHz
VBW 1 MHz
STOP 560.0 MHz
SWP 20.0 msec

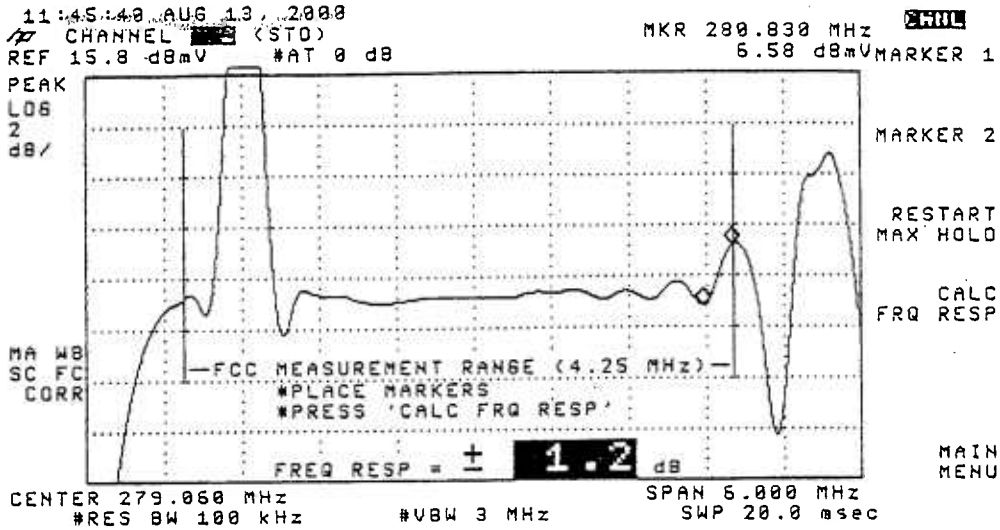

11:39:46 AUG 13, 2000
CHANNEL 2 (STD)
REF 28.3 dBmV
AT 10 dB
MKR Δ -22.625 msec
-.04 dB
CHNL
PEAK
LOG
1
dB/
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = 0.4%
Video Modulation: OFF
MORE
INFO
MAIN
MENU
START 55.248 MHz
#RES BW 1.0 MHz
#VBW 1 kHz
STOP 55.248 MHz
#SWP 50.0 msec

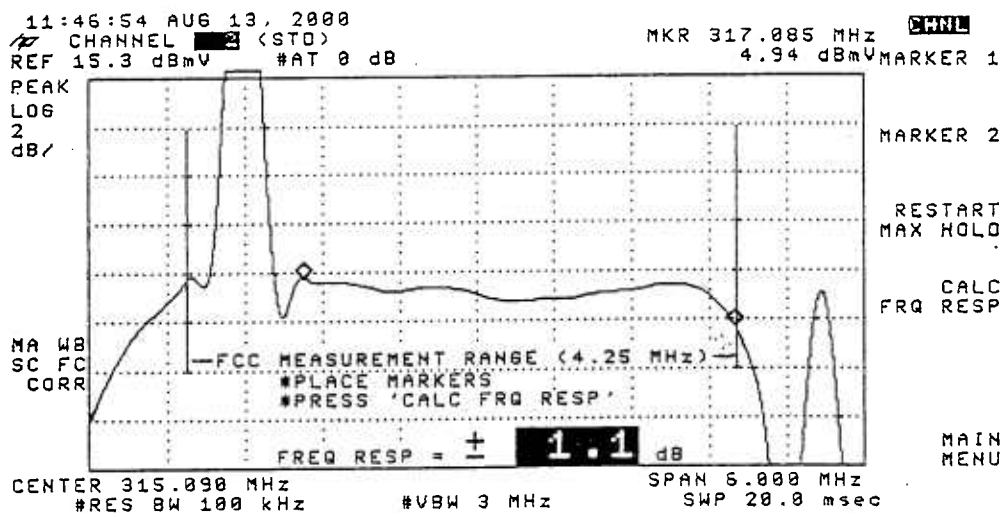

11:41:27 AUG 13, 2000
CHANNEL 2 (STD)
REF 14.1 dBmV
#AT 0 dB
MKR 58.050 MHz
5.43 dBmV
CHNL
MARKER 1
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MAIN
MENU
PEAK
LOG
2
dB/
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
CENTER 57.120 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

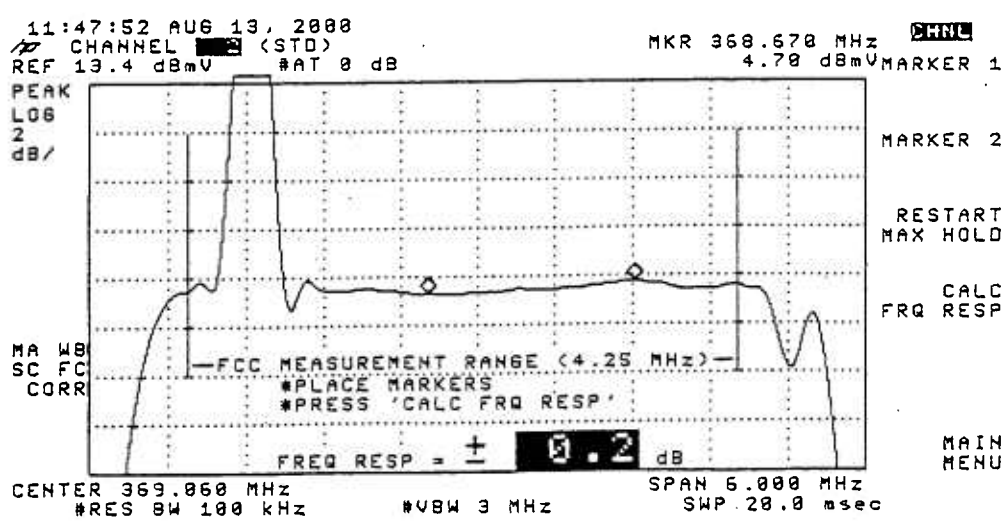

11:42:19 AUG 13, 2000
CHANNEL [redacted] (STD)
REF 15.4 dBmV
#AT 0 dB
MKR 124.395 MHz
6.41 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
CENTER 123.030 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

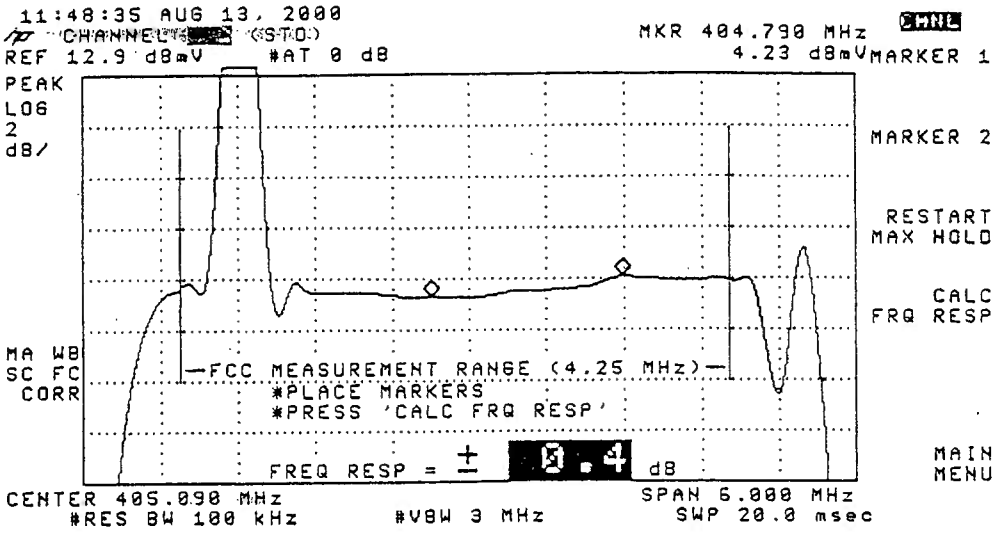

11:43:28 AUG 13, 2000
CHANNEL [redacted] (STD)
REF 13.4 dBmV
#AT 0 dB
MKR 166.215 MHz
5.01 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
CENTER 165.090 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

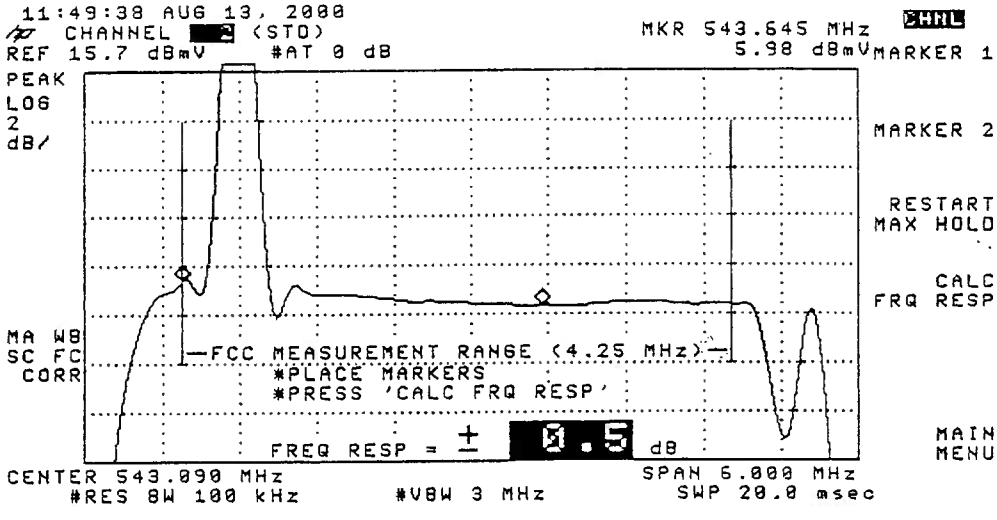

11:44:31 AUG 13, 2000
CHANNEL [redacted] (STD)
REF 15.5 dBmV
#AT 0 dB
MKR 184.695 MHz
5.64 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 1.0 dB
MAIN
MENU
CENTER 183.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


11:45:40 AUG 13, 2000
CHANNEL 2 (STD)
REF 15.8 dBmV
#AT 0 dB
MKR 280.830 MHz
6.58 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 = ± 1.2 dB
MAIN
MENU
CENTER 279.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


11:46:54 AUG 13, 2000
CHANNEL 2 (STD)
REF 15.3 dBmV
#AT 0 dB
MKR 317.085 MHz
4.94 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 = ± 1.1 dB
MAIN
MENU
CENTER 315.090 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


11:47:52 AUG 13, 2000
CHANNEL 2 (STD)
REF 13.4 dBmV
#AT 0 dB
MKR 368.670 MHz
4.70 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
CENTER 369.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


11:48:35 AUG 13, 2000
CHANNEL (STD)
REF 12.9 dBmV
#AT 0 dB
MKR 404.790 MHz
4.23 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
CENTER 405.090 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


11:49:38 AUG 13, 2000
CHANNEL (STD)
REF 15.7 dBmV
#AT 0 dB
MKR 543.645 MHz
5.98 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
CENTER 543.090 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

TIME WARNER CABLE
SYRACUSE DIVISION

Proof - of - Performance Tests

Headend Tests

System Name: Time Warner - Syracuse

HE Location: Fulton Headend
(Oswego Feed) Tower Dr., Fulton

Visual Carrier and Aural Carrier Difference Frequency Tests

(at Headend)

System Name: Syracuse

HE Location: Oswego (Tower dr.)

Date: July 2000 Performed by: Pat Thrall

Chan	Freq.	Visual Freq. (MHz)	Aural Freq Diff (MHz)	Chan	Freq	Visual Freq. (MHz)	Aural Freq Diff. (MHz)
2	55.2500	55.25000	4.49999	AA	301.2625	301.26267	4.50000
3	61.2500	61.25248	4.50012	BB	307.2625	307.26239	4.49999
4	67.2500	67.25292	4.50003	CC	313.2625	313.26253	4.50003
5	77.2500	77.24993	4.49999	DD	319.2625	319.26211	4.49999
6	83.2500	83.25004	4.50001	EE	325.2625	325.26246	4.50002
				FF	331.2750	331.27488	4.50001
				GG	337.2625	337.26234	4.50001
A-5	91.2500			HH	343.2625	343.26291	4.49997
A-4	97.2500			II	349.2625	349.26438	4.50007
A-3	103.2500			JJ	355.2625	355.26150	4.50003
A-2	109.2750			KK	361.2625	361.26315	4.50000
A-1	115.2750	115.27480	4.50004	LL	367.2625	367.26241	4.50001
A	121.2625	121.26197	4.50004	MM	373.2625	373.26270	4.50003
B	127.2625	127.26226	4.50001	NN	379.2625	379.26241	4.50000
C	133.2625	133.26271	4.50010	OO	385.2625	385.26230	4.50004
D	139.2500	139.25247	4.50004	PP	391.2625	391.26251	4.49999
E	145.2500	145.26390	4.49999	QQ	397.2625	397.26245	4.49999
F	151.3210	151.32122	4.50000	RR	403.2500	403.25249	4.50005
G	157.2500	157.25508	4.50005	SS	409.2500	409.25232	4.50011
H	163.2500	163.25060	4.49998	TT	415.2500	415.24972	4.50004
I	169.2500	169.25151	4.50003	UU	421.2500	421.25083	4.50003
7	175.2500	175.24993	4.50005	VV	427.2500	427.24898	4.49998
8	181.2500	181.24987	4.50000	WW	433.2500	433.25263	4.50002
9	187.2500	187.25001	4.49993	XX	439.2500	439.25255	4.49999
10	193.2500	193.25037	4.50003	YY	445.2500	445.25240	4.50002
11	199.2500	199.24986	4.49999	ZZ	451.2500	451.25223	4.50009
12	205.2500	205.25198	4.50003	63	457.2500	457.25255	4.50000
13	211.2500	211.25036	4.49997	64	463.2500	463.25223	4.50005
J	217.2500	217.24982	4.49997	65	469.2500	469.25222	4.50010
K	223.2500	223.25247	4.50001	66	475.2500	475.25229	4.50012
L	229.2625	229.26156	4.49997	67	481.2500	481.25103	4.50010
M	235.2625	235.26134	4.50005	68	487.2500	487.25249	4.50011
N	241.2625	241.26072	4.50006	69	493.2500	493.25283	4.50013
O	247.2625	247.26199	4.50003	70	499.2500	499.25243	4.50003
P	253.2625	253.26340	4.50013	71	505.2500	505.25247	4.50007
Q	259.2625	259.26138	4.49998	72	511.2500	511.25253	4.50000
R	265.2625	265.26284	4.50005	73	517.2500	517.25052	4.50012
S	271.2625	271.26276	4.49999	74	523.2500	523.25295	4.50016
T	277.2625	277.26251	4.50009	75	529.2500	529.25218	4.50019
U	283.2625	283.26233	4.50003	76	535.2500	535.25271	4.50004
V	289.2625	289.26326	4.50001	77	541.2500	541.25235	4.49999
W	295.2625	295.26306	4.50000	78	547.2500	547.25012	4.49990

Visual / Aural Level Difference Test

(at Headend)

System Name: Time Warner - Syracuse

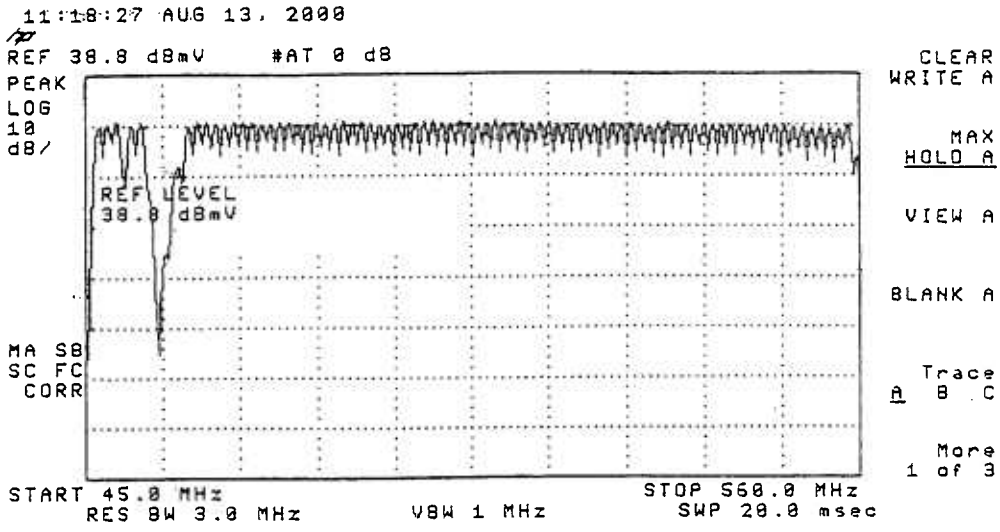
HE Location: Oswego

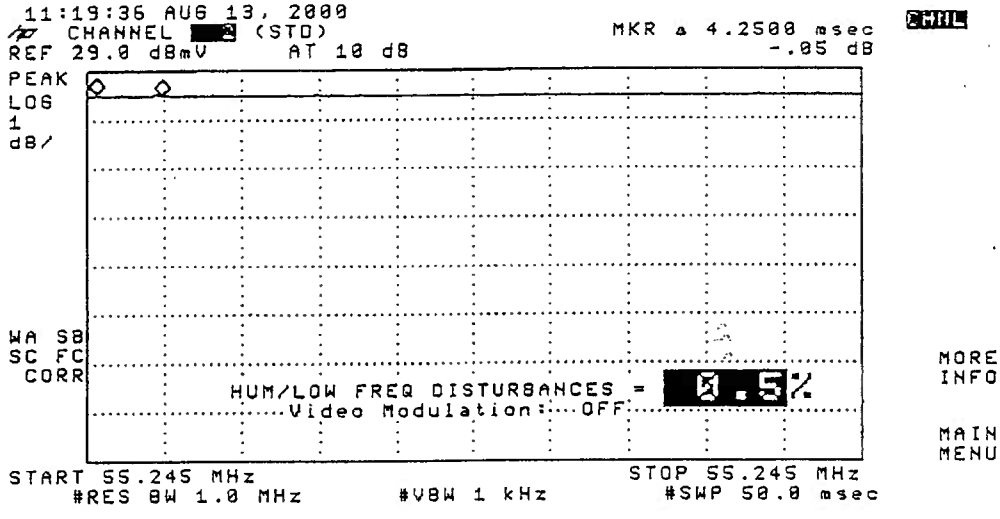
Date: 22-Aug-00 Performed by: P. Thrall

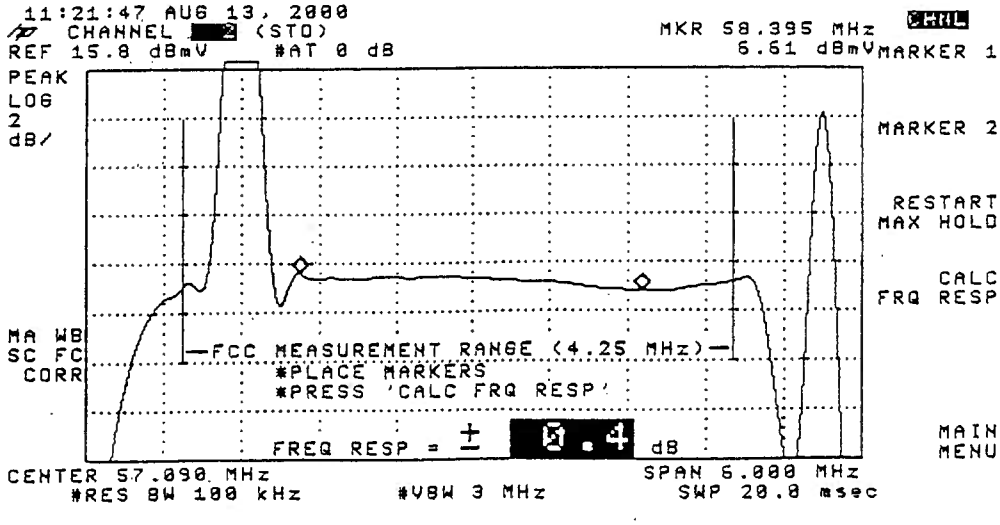
Time: 03:18 PM Meter /Serial Number: Calan star 2010 / 9210392

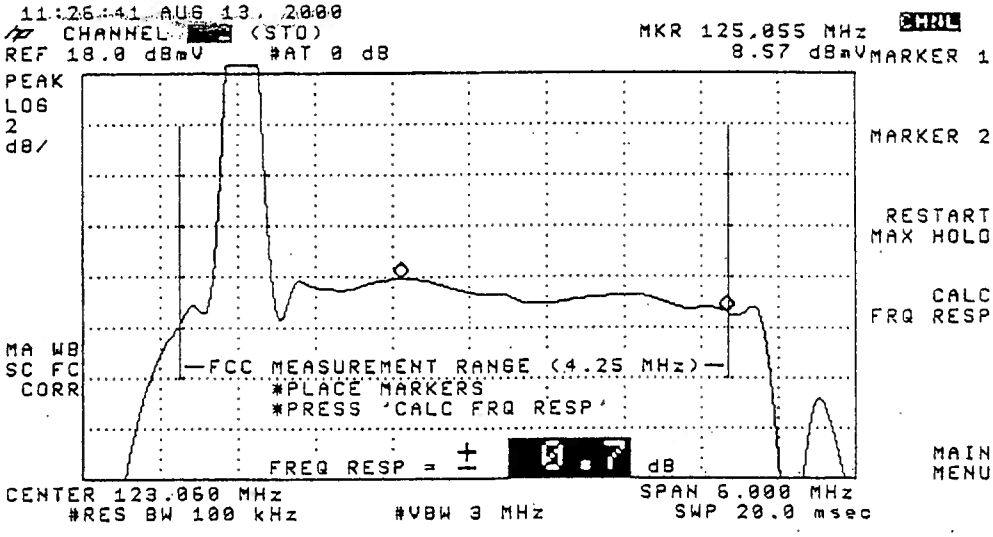
Chan	Freq. (MHz)	Visual Level (dbmv)	Aural Level (dbmv)	Scram "S"	Diff. (Dbmv)	Chan	Freq. (MHz)	Visual Level (dbmv)	Aural Level (dbmv)	Scram "S"	Diff (Dbmv)
2	55.2500	28.8	14.8		14.0	AA	289.2625	29.0	14.9		14.1
3	61.2500	29.0	14.9		14.1	BB	307.2625	29.1	14.4		14.7
4	67.2500	29.2	14.5		14.7	CC	313.2625	29.2	14.9		14.3
5	77.2500	29.3	14.9		14.4	DD	319.2625	29.3	14.9		14.4
6	83.2500	28.6	15.3		13.3	EE	325.2625	28.5	14.4		14.1
						FF	331.2750	28.8	14.6		14.2
						GG	337.2625	28.8	15.1		13.7
A-5	91.2500					HH	343.2625	28.6	14.7		13.9
A-4	97.2500					II	349.2625	29.1	14.2		14.9
A-3	103.2500					JJ	355.2625	28.7	14.7		14.0
A-2	109.2750					KK	361.2625	28.2	14.1		14.1
A-1	115.2750	28.8	13.5	S	15.3	LL	367.2625	28.4	14.6		13.8
A	121.2625	28.7	14.8		13.9	MM	373.2625	28.8	14.6		14.2
B	127.2625	29.1	14.8		14.3	NN	379.2625	29.0	14.7		14.3
C	133.2625	28.9	14.9		14.0	OO	385.2625	28.7	15.1		13.6
D	139.2500	28.6	15.2		13.4	PP	391.2625	28.5	14.6		13.9
E	145.2500	28.9	14.7		14.2	QQ	397.2625	29.0	15.4		13.6
F	151.2500	28.8	13.7		15.1	RR	403.2500	28.7	15.4		13.3
G	157.2500	28.8	14.8		14.0	SS	409.2500	28.9	14.9		14.0
H	163.2500	28.5	14.6		13.9	TT	415.2500	28.9	14.6		14.3
I	169.2500	28.8	14.1		14.7	UU	421.2500	28.6	14.6		14.0
7	175.2500	28.8	14.7		14.1	VV	427.2500	28.9	14.3		14.6
8	181.2500	29.1	14.7		14.4	WW	433.2500	29.0	15.4		13.6
9	187.2500	28.8	14.8		14.0	XX	439.2500	29.0	15.1		13.9
10	193.2500	28.9	14.8		14.1	YY	445.2500	28.8	14.0	S	14.8
11	199.2500	29.1	15.0		14.1	ZZ	451.2500	28.0	13.6	S	14.4
12	205.2500	28.5	14.6		13.9	63	457.2500	28.2	13.5	S	14.7
13	211.2500	28.9	14.7		14.2	64	463.2500	28.4	14.0	S	14.4
J	217.2500	29.0	14.1		14.9	65	469.2500	28.0	14.5	S	13.5
K	223.2500	29.1	15.0		14.1	66	475.2500	28.8	13.5	S	15.3
L	229.2625	29.0	14.7		14.3	67	481.2500	28.7	13.4	S	15.3
M	235.2625	29.1	15.0		14.1	68	487.2500	28.8	14.1	S	14.7
N	241.2625	28.6	13.9		14.7	69	493.2500	28.6	14.2	S	14.4
O	247.2625	28.4	14.4		14.0	70	499.2500	28.9	15.1		13.8
P	253.2625	28.7	14.1		14.6	71	505.2500	28.0	14.5	S	13.5
Q	259.2625	28.3	14.6		13.7	72	511.2500	28.1	14.6	S	13.5
R	265.2625	28.6	14.4		14.2	73	517.2500	28.9	14.8	S	14.1
S	271.2625	29.0	15.2		13.8	74	523.2500	28.6	14.5	S	14.1
T	277.2625	28.9	15.1		13.8	75	529.2500	28.4	13.9		14.5
U	283.2625	28.9	15.0		13.9	76	535.2500	28.9	14.0	S	14.9
V	289.2625	28.7	14.7		14.0	77	541.2500	28.4	14.0		14.4
W	283.2625	29.0	15.1		13.9	78	547.2500	28.6	14.5	S	14.1

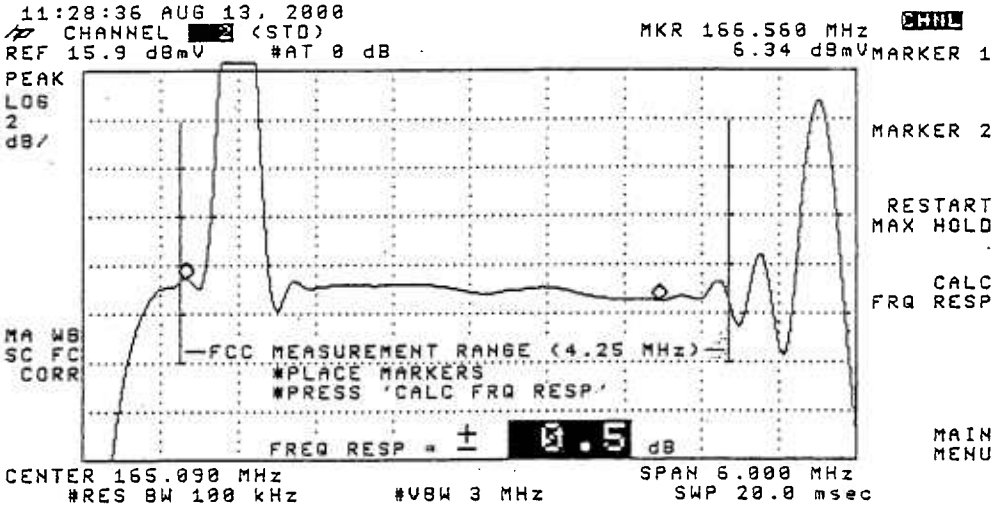
PEAK TO VALLEY: 1.3

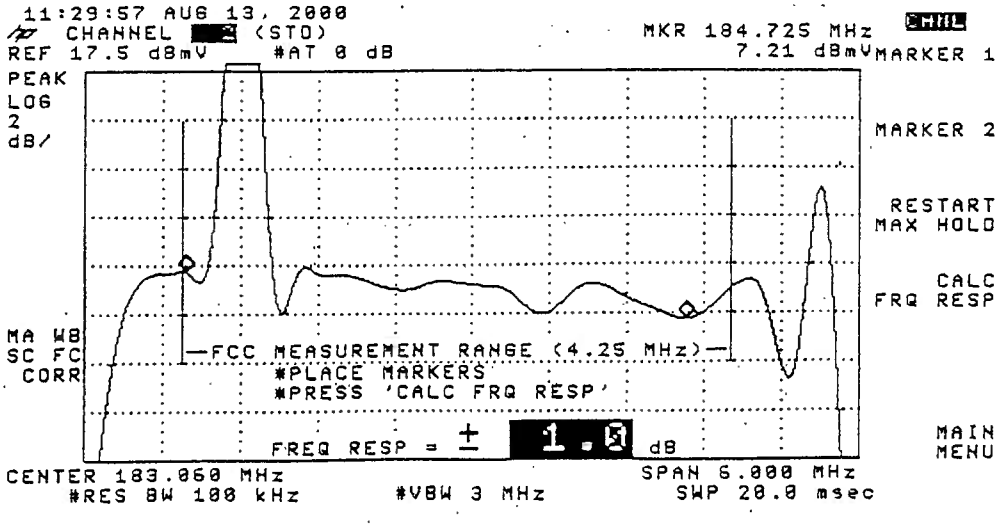

11:18:27 AUG 13, 2000
REF 38.8 dBmV
#AT 0 dB
PEAK
LOG
10
dB/
REF LEVEL
38.8 dBmV
MA SB
SC FC
CORR
START 45.0 MHz
#RES BW 3.0 MHz
VBW 1 MHz
STOP 860.0 MHz
SWP 20.0 msec
CLEAR
WRITE A
MAX
HOLD A
VIEW A
BLANK A
Trace
A B C
More
1 of 3

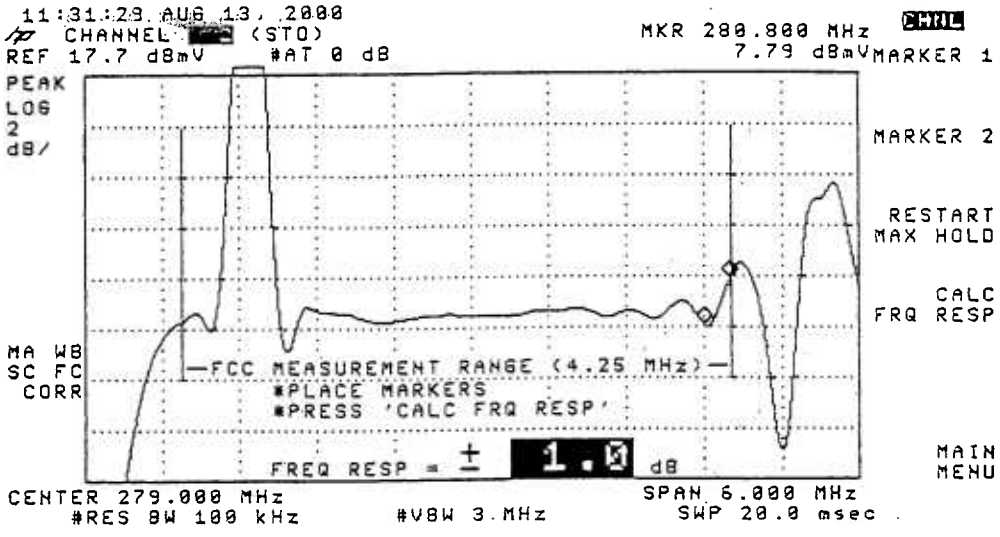

11:19:36 AUG 13, 2000
CHANNEL 2 (STD)
REF 29.0 dBmV
AT 10 dB
MKR Δ 4.2500 msec
-.05 dB
CHNL
PEAK
LOG
1
dB/
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = 0.5%
Video Modulation: OFF
START 55.245 MHz
#RES BW 1.0 MHz
#VBW 1 kHz
STOP 55.245 MHz
#SWP 50.0 msec
MORE
INFO
MAIN
MENU

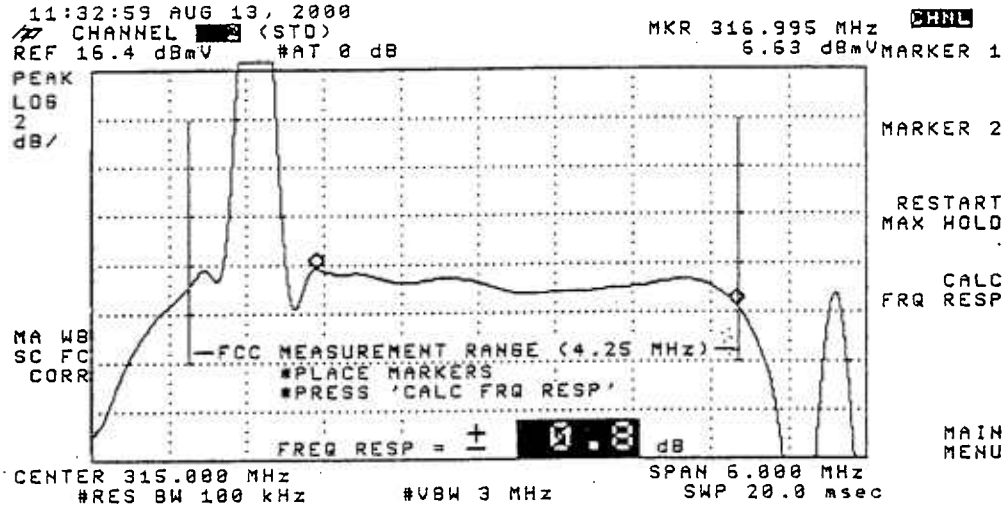

11:21:47 AUG 13, 2000
CHANNEL 2 (STD)
REF 15.8 dBmV
#AT 0 dB
MKR 58.395 MHz
6.61 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
CENTER 57.090 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

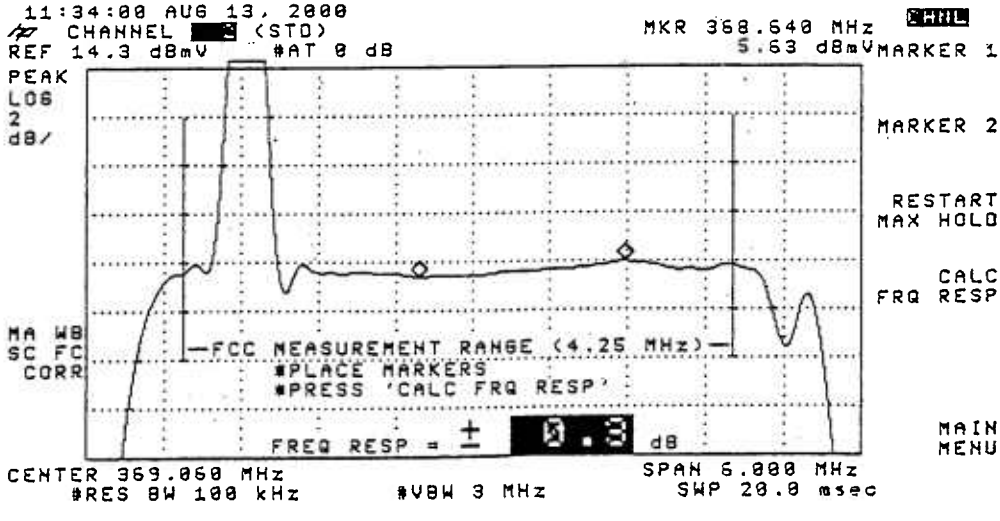

11:26:41 AUG 13, 2000
CHANNEL 2 (STO)
REF 18.0 dBmV
#AT 0 dB
MKR 125.055 MHz
8.57 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.7 dB
MAIN
MENU
CENTER 123.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

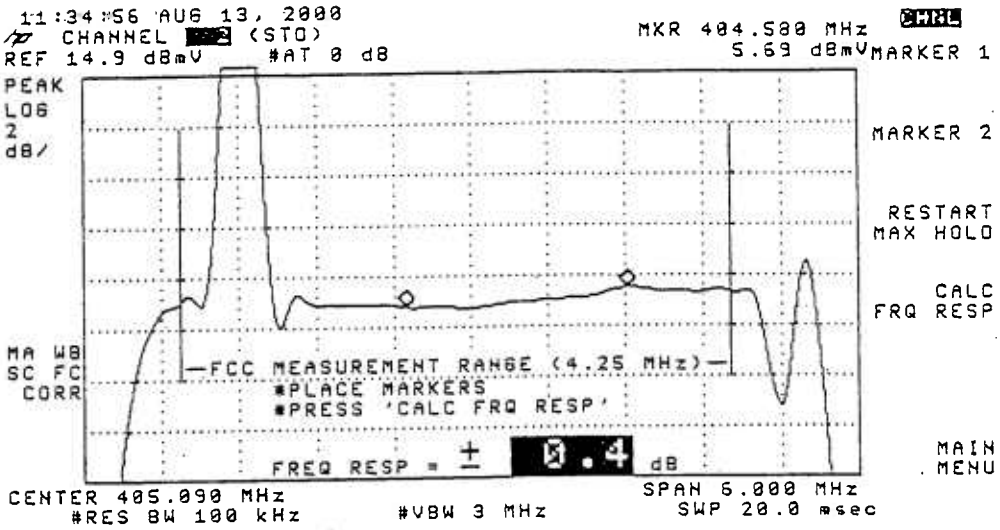

11:28:36 AUG 13, 2000
CHANNEL 2 (STO)
REF 15.9 dBmV
#AT 0 dB
MKR 166.560 MHz
6.34 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
CENTER 165.090 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

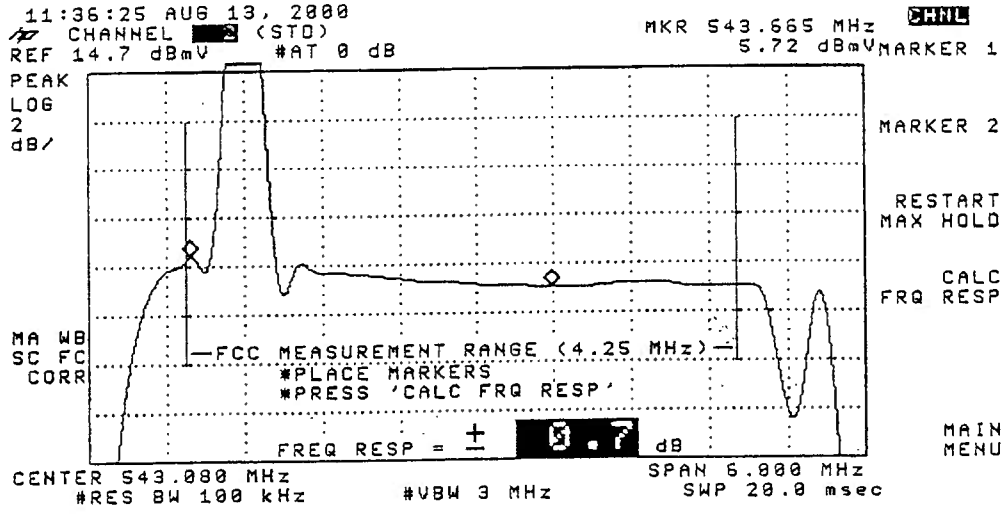

11:29:57 AUG 13, 2000
CHANNEL 2 (STO)
REF 17.5 dBmV
#AT 0 dB
MKR 184.725 MHz
7.21 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 1.0 dB
MAIN
MENU
CENTER 183.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


11:31:29 AUG 13, 2000
CHANNEL (STD)
REF 17.7 dBmV
#AT 0 dB
MKR 280.800 MHz
7.79 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 = ± 1.0 dB
MAIN
MENU
CENTER 279.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


11:32:59 AUG 13, 2000
CHANNEL (STD)
REF 16.4 dBmV
#AT 0 dB
MKR 316.995 MHz
5.63 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 = ± 0.8 dB
MAIN
MENU
CENTER 315.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


11:34:00 AUG 13, 2000
CHANNEL (STD)
REF 14.3 dBmV
#AT 0 dB
MKR 368.640 MHz
5.63 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
CENTER 369.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


11:34:56 AUG 13, 2000
CHANNEL 2 (STD)
REF 14.9 dBmV
#AT 0 dB
MKR 404.580 MHz
5.69 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
CENTER 405.090 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


11:36:25 AUG 13, 2000
CHANNEL 2 (STD)
REF 14.7 dBmV
#AT 0 dB
MKR 543.665 MHz
5.72 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 = ± 0.7 dB
MAIN
MENU
CENTER 543.080 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

TIME WARNER CABLE
SYRACUSE DIVISION

Proof-of-Performance Tests

System Name: Time Warner-Syracuse

System Test Point # 1

Location: Ostrander Rd.

Community: Fulton

Pole Number: 4/4

D.T. Value: 20-4

Map Number: 25-16

OR Number: 711

Trunk Cascade: 5 LE Cascade: 2

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

System Name: Time Warner - Syracuse

Test Location: Ostrander Rd.

Date: 24-Aug-00

Time: 08:59 AM

Chan	Freq. (MHz)	Visual Level (dbmv)	Aural Level (dbmv)	Scrat "S"	Diff. (Dbmv)	Chan	Freq. (MHz)	Visual Level (dbmv)	Aural Level (dbmv)	Scrat "S"	Diff. (Dbmv)
2	55.2500	13.8	1.4		12.4	AA	289.2625	11.5	-2.3		13.8
3	61.2500	13.9	1.0		12.9	BB	307.2625	11.1	-0.1		11.2
4	67.2500	14.0	-0.8		14.8	CC	313.2625	11.4	-2.2		13.6
5	77.2500	13.9	-0.9		14.8	DD	319.2625	12.0	-2.7		14.7
6	83.2500	12.6	-2.9		15.5	EE	325.2625	10.7	-2.2		12.9
						FF	331.2750	11.1	-3.1		14.2
						GG	337.2625	11.1	-2.6		13.7
A-5	91.2500					HH	343.2625	11.1	-2.4		13.5
A-4	97.2500					II	349.2625	12.0	-2.5		14.5
A-3	103.2500					JJ	355.2625	11.8	-2.0		13.8
A-2	109.2750	10.0	-4.2		14.2	KK	361.2625	11.3	-2.4		13.7
A-1	115.2750	10.0	-5.7	S	15.7	LL	367.2625	11.8	-2.4		14.2
A	121.2625	9.3	-4.1		13.4	MM	373.2625	11.9	-1.9		13.8
B	127.2625	9.2	-5.7		14.9	NN	379.2625	11.9	-1.3		13.2
C	133.2625	9.2	-3.9		13.1	OO	385.2625	12.1	-1.3		13.4
D	139.2500	9.9	-3.1		13.0	PP	391.2625	11.8	-2.1		13.9
E	145.2500	10.1	-3.8		13.9	QQ	397.2625	11.5	-1.7		13.2
F	151.2500	10.4	-5.2		15.6	RR	403.2500	10.9	-2.5		13.4
G	157.2500	9.3	-4.0		13.3	SS	409.2500	10.9	-2.8		13.7
H	163.2500	9.5	-4.1		13.6	TT	415.2500	11.1	-3.6	S	14.7
I	169.2500	9.6	-4.4		14.0	UU	421.2500	9.6	-3.4	S	13.0
7	175.2500	10.0	-3.6		13.6	VV	427.2500	11.8	-2.7		14.5
8	181.2500	10.3	-3.7		14.0	WW	433.2500	11.2	-3.2		14.4
9	187.2500	10.1	-3.9		14.0	XX	439.2500	12.0	-3.1		15.1
10	193.2500	9.4	-4.9		14.3	YY	445.2500	10.9	-3.0		13.9
11	199.2500	10.1	-3.6		13.7	ZZ	451.2500	10.7	-3.0	S	13.7
12	205.2500	10.1	-4.1		14.2	63	457.2500	10.0	-4.8	S	14.8
13	211.2500	9.5	-3.6		13.1	64	463.2500	10.2	-4.4	S	14.6
J	217.2500	10.0	-4.0		14.0	65	469.2500	10.2	-3.1		13.3
K	223.2500	9.9	-4.0		13.9	66	475.2500	10.8	-4.7	S	15.5
L	229.2625	9.5	-4.0		13.5	67	481.2500	10.2	-4.0	S	14.2
M	235.2625	9.7	-4.1		13.8	68	487.2500	10.8	-3.1	S	13.9
N	241.2625	9.1	-5.1		14.2	69	493.2500	11.1	-3.9	S	15.0
O	247.2625	9.4	-4.3		13.7	70	499.2500	11.3	-3.7	S	15.0
P	253.2625	9.8	-4.3		14.1	71	505.2500	11.6	-2.9	S	14.5
Q	259.2625	9.6	-4.0		13.6	72	511.2500	9.7	-4.0	S	13.7
R	265.2625	9.8	-4.0		13.8	73	517.2500	11.6	-2.4	S	14.0
S	271.2625	10.1	-3.3		13.4	74	523.2500	12.5	-2.6	S	15.1
T	277.2625	10.5	-3.3		13.8	75	529.2500	11.4	-2.9		14.3
U	283.2625	10.9	-3.2		14.1	76	535.2500	13.6	-1.7	S	15.3
V	289.2625	10.7	-2.7		13.4	77	541.2500	13.9	0.3		13.6
W	283.2625	11.5	-2.1		13.6	78	547.2500	13.5	-3.0	S	16.5

PEAK TO VALLEY: 4.9

IN CHANNEL RESPONSE Test

CARRIER - TO - NOISE Test

COHERENT DISTURBANCES Test

LOW FREQUENCY DISTURBANCES Test

System Name: Time Warner-Syracuse **Date:** August 2000

Test Performed By: Patrick Thrall

Location: Ostrander Rd.

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

Channel Number	In Channel Response	Carrier To Noise Ratio	Distortions (-dBc)			Hum
	(+/- dB)	(dB)	CTB	CSO	XMOD	(%)
2	0.3	47.7	66.2	68.6	69.1	0.7%
A	0.5	47.1	64.3	67.7		
H	0.5	47	64.1	67.2		
8	1.0	47.2	64.6	66.4		
T	1.4	47.1	64.6	66.8		
CC	1.0	47.5	64.8	67.2		
LL	0.4	47.9	60.9	65.3		
RR	0.6	47.8	59.1	65.0		
OOO	1.0	47.1	59.9	67.8		

Time Warner Cable
Syracuse Division

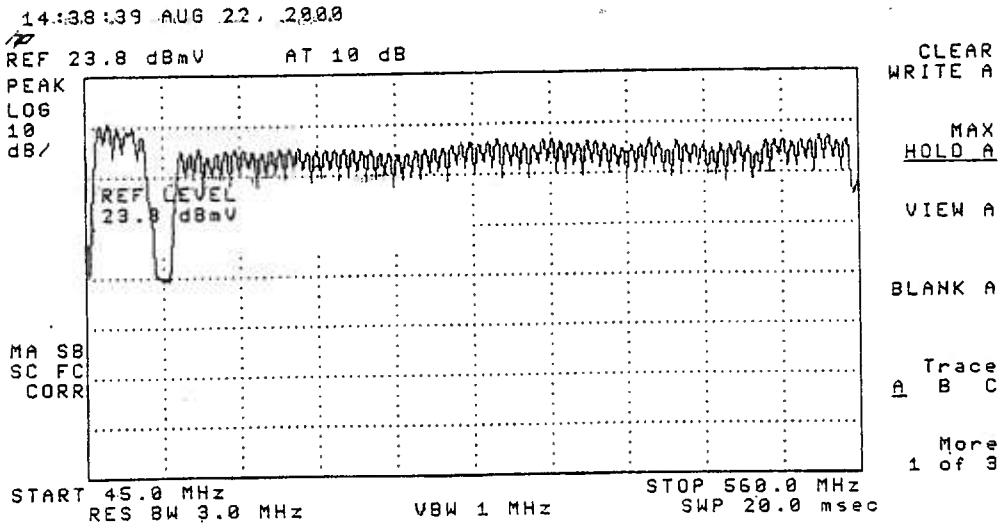
IN - CHANNEL FREQUENCY RESPONSE TEST

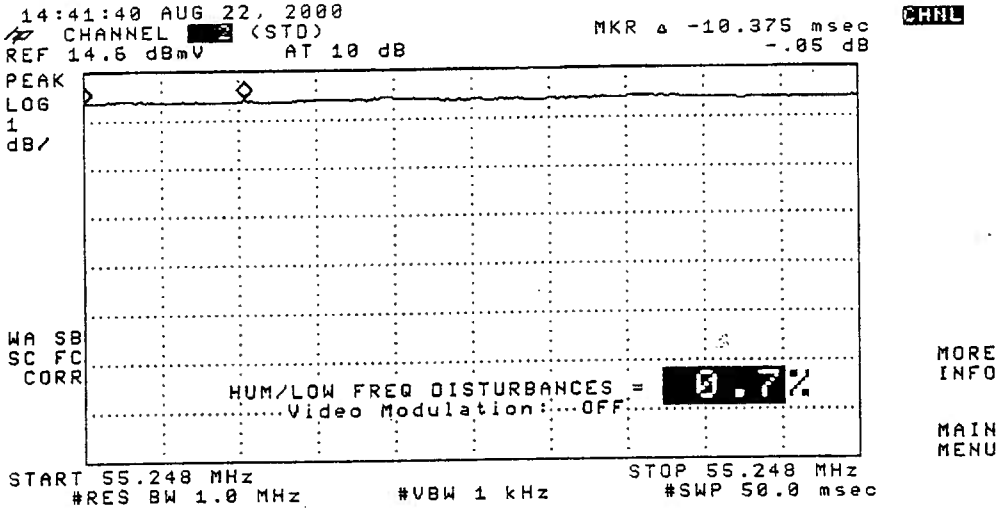
(76.605 (a) 6)

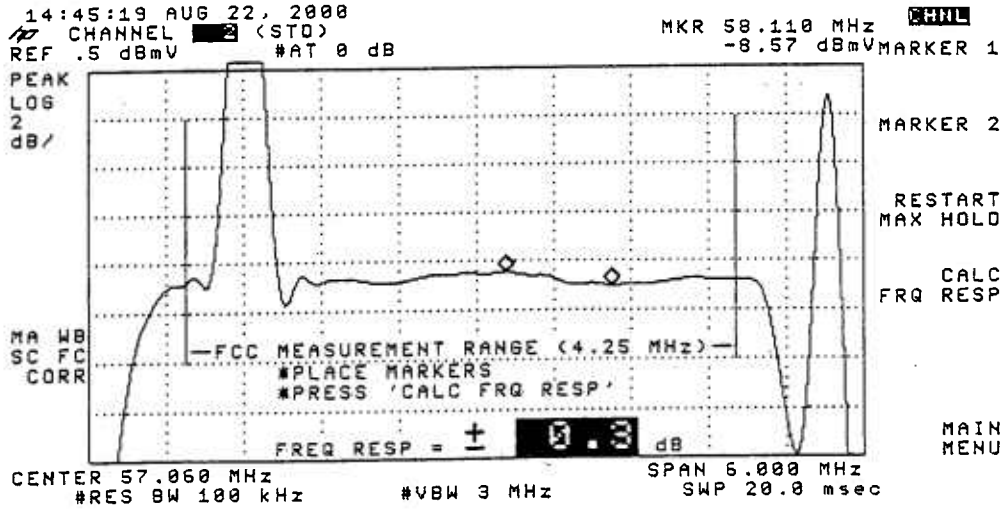
System Name: Time Warner-Syracuse Date: August 2000

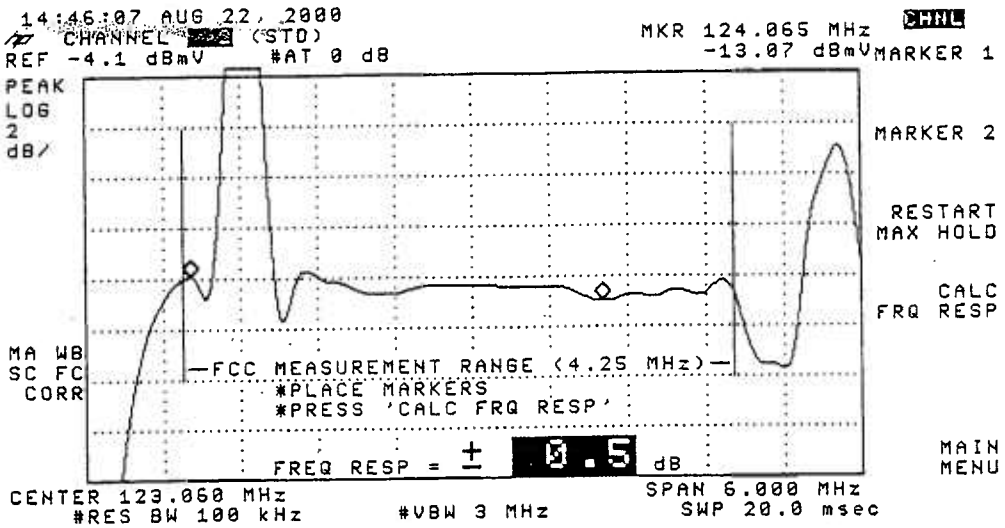
Test Performed By Pat Thrall Location: Ostrander Rd.

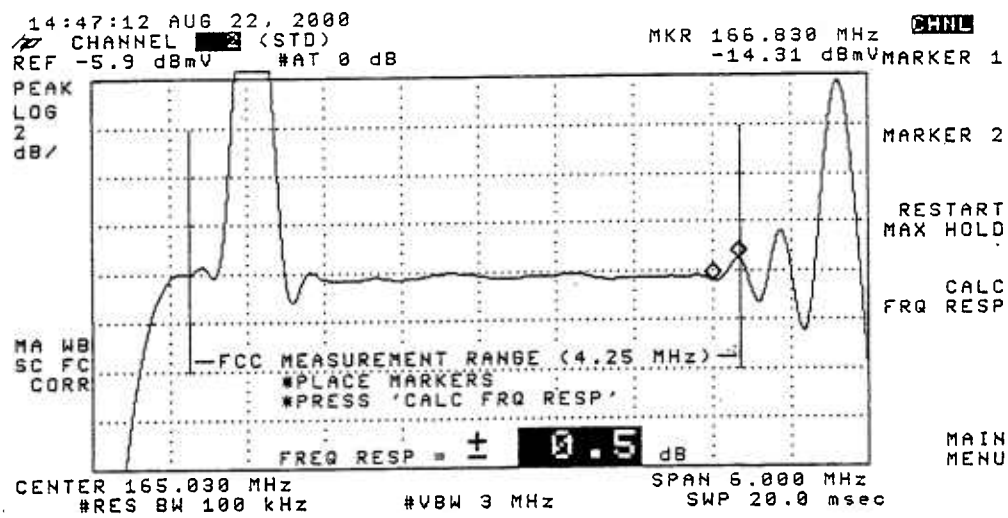
(SEE THE ATTATCHED SWEEP TRACES)

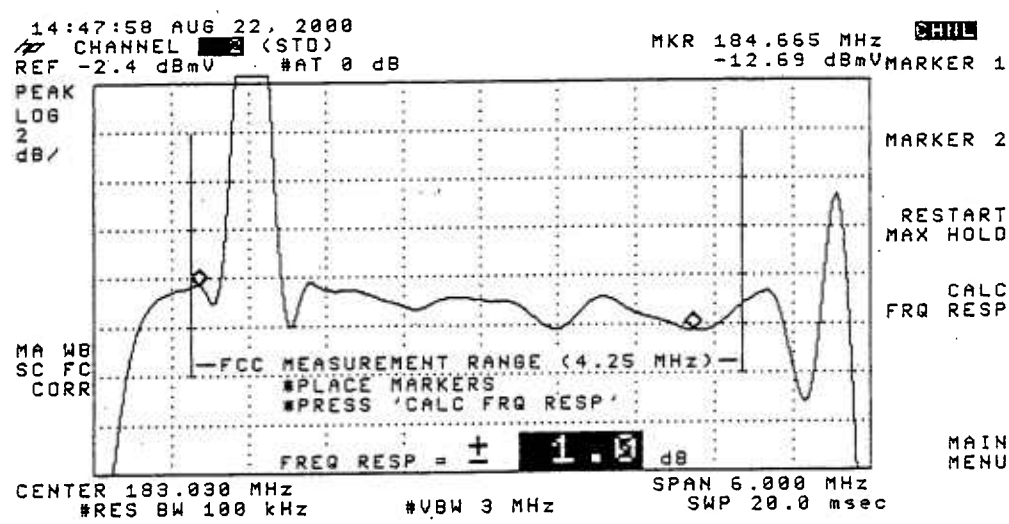

14:38:39 AUG 22, 2000
REF 23.8 dBmV
AT 10 dB
PEAK
LOG
10
dB/
REF LEVEL
23.8 dBmV
MA SB
SC FC
CORR
START 45.0 MHz
RES BW 3.0 MHz
VBW 1 MHz
STOP 560.0 MHz
SWP 20.0 msec
CLEAR
WRITE A
MAX
HOLD A
VIEW A
BLANK A
Trace
A B C
More
1 of 3

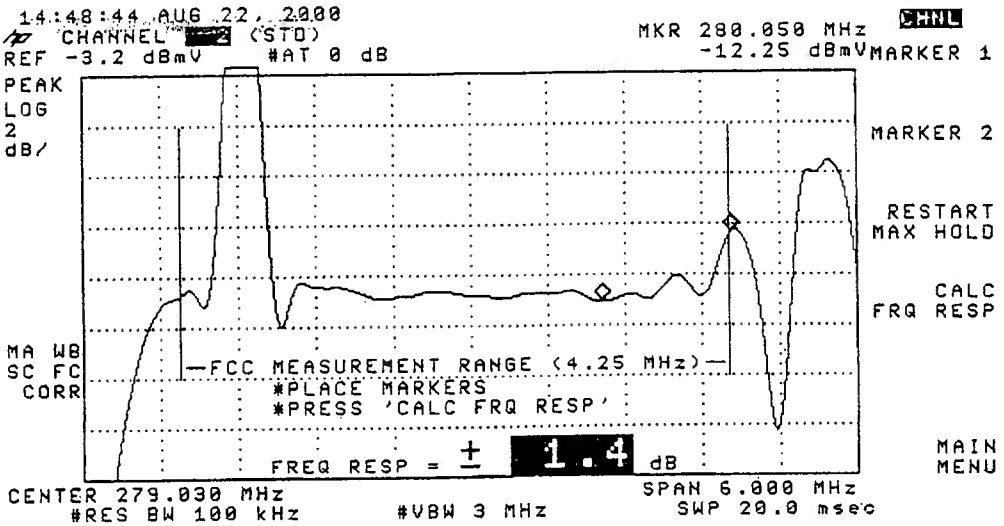

14:41:40 AUG 22, 2000
CHANNEL 2 (STD)
REF 14.6 dBmV
AT 10 dB
MKR Δ -10.375 msec
-.05 dB
CHNL
PEAK
LOG
1
dB/
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = 0.7 %
Video Modulation: OFF
START 55.248 MHz
#RES BW 1.0 MHz
#VBW 1 kHz
STOP 55.248 MHz
#SWP 50.0 msec
MORE
INFO
MAIN
MENU

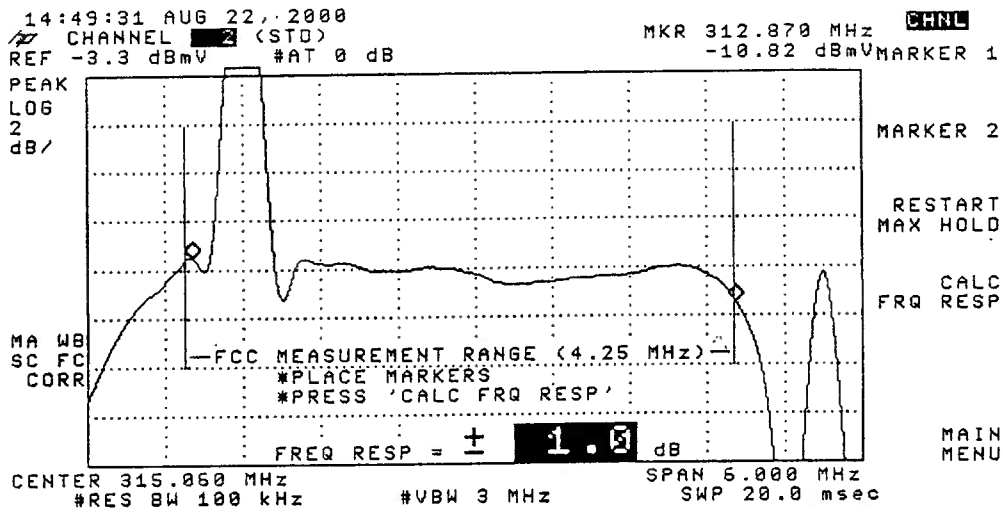

14:45:19 AUG 22, 2000
CHANNEL 2 (STD)
REF .5 dBmV
#AT 0 dB
MKR 58.110 MHz
-8.57 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
CENTER 57.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

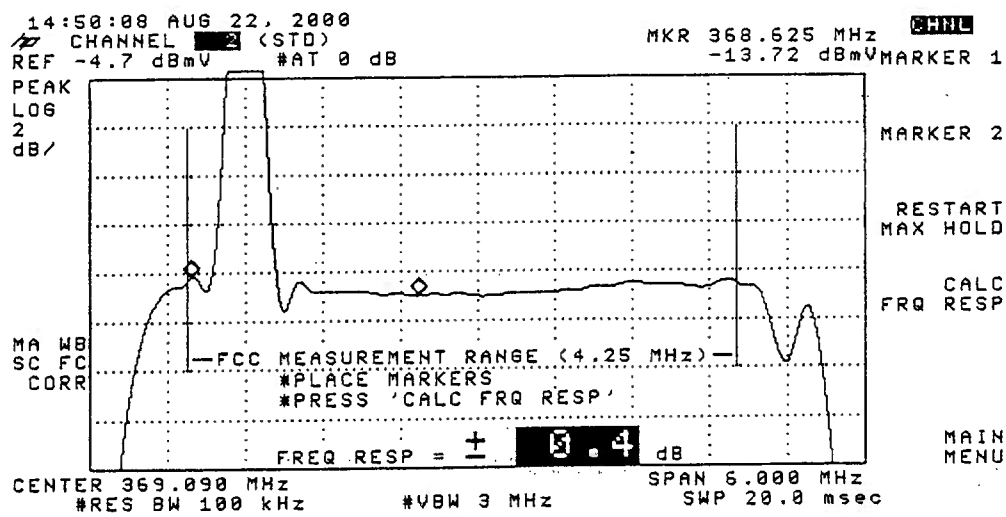

14:46:07 AUG 22, 2000
CHANNEL 2 (STD)
REF -4.1 dBmV
#AT 0 dB
MKR 124.065 MHz
-13.07 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
CENTER 123.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

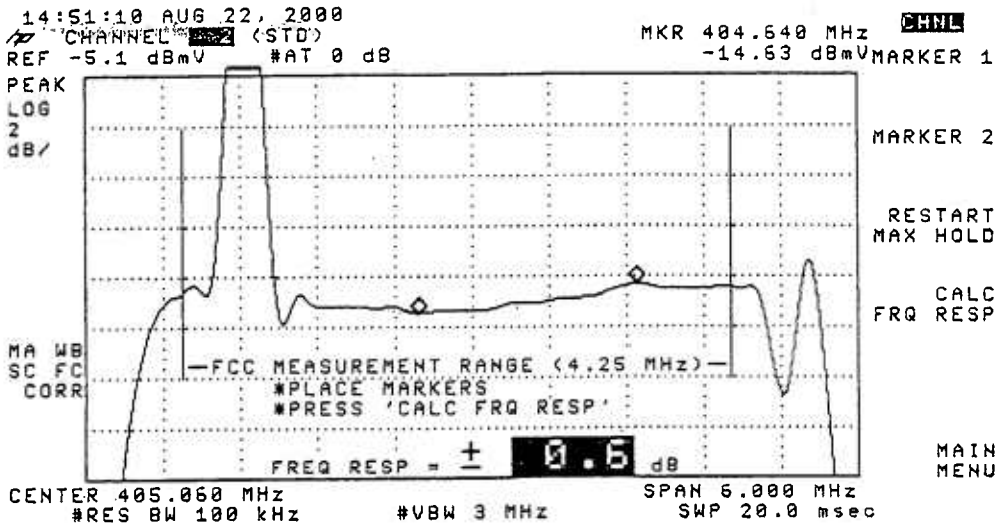

14:47:12 AUG 22, 2000
CHANNEL 2 (STD)
REF -5.9 dBmV
#AT 0 dB
MKR 166.830 MHz
-14.31 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
CENTER 165.030 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

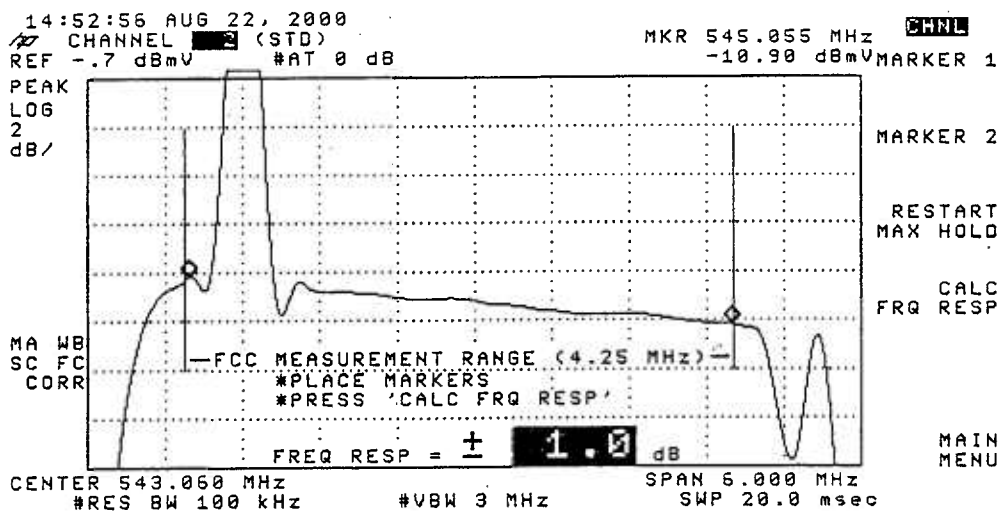

14:47:58 AUG 22, 2000
CHANNEL 2 (STD)
REF -2.4 dBmV
#AT 0 dB
MKR 184.665 MHz
-12.69 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 1.0 dB
MAIN
MENU
CENTER 183.030 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

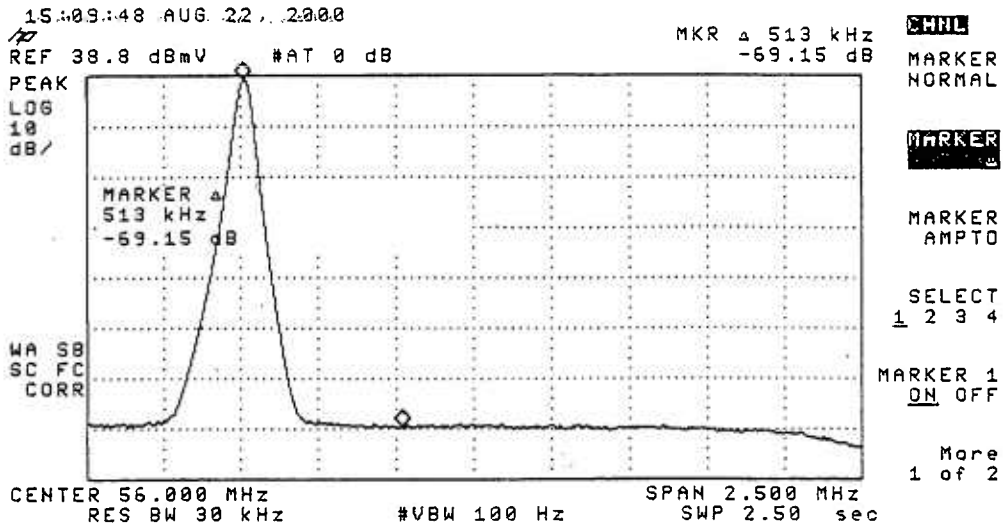

14:48:44 AUG 22, 2000
CHANNEL 2 (STD)
REF -3.2 dBmV
#AT 0 dB
MKR 280.050 MHz
-12.25 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 1.4 dB
MAIN
MENU
CENTER 279.030 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

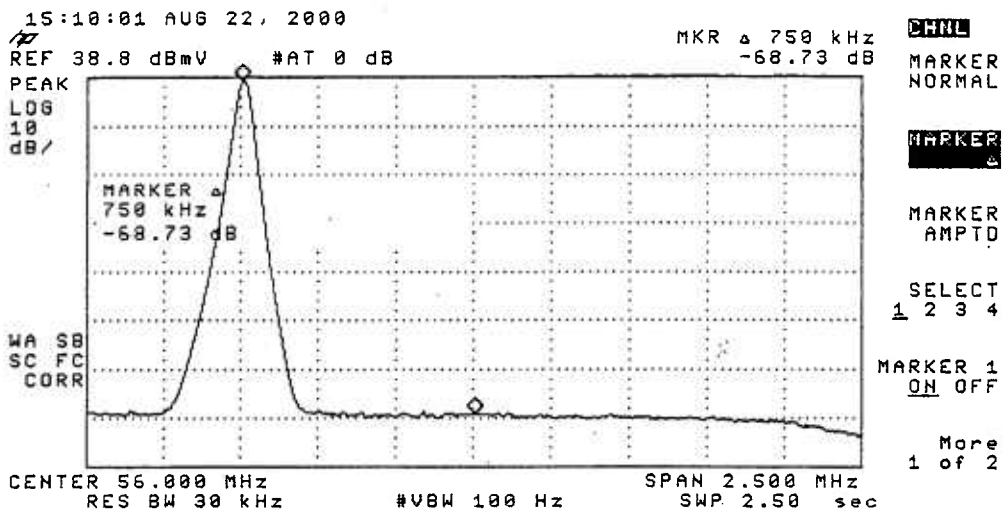

14:49:31 AUG 22, 2000
CHANNEL 2 (STD)
REF -3.3 dBmV
#AT 0 dB
MKR 312.870 MHz
-10.82 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 1.0 dB
MAIN
MENU
CENTER 315.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

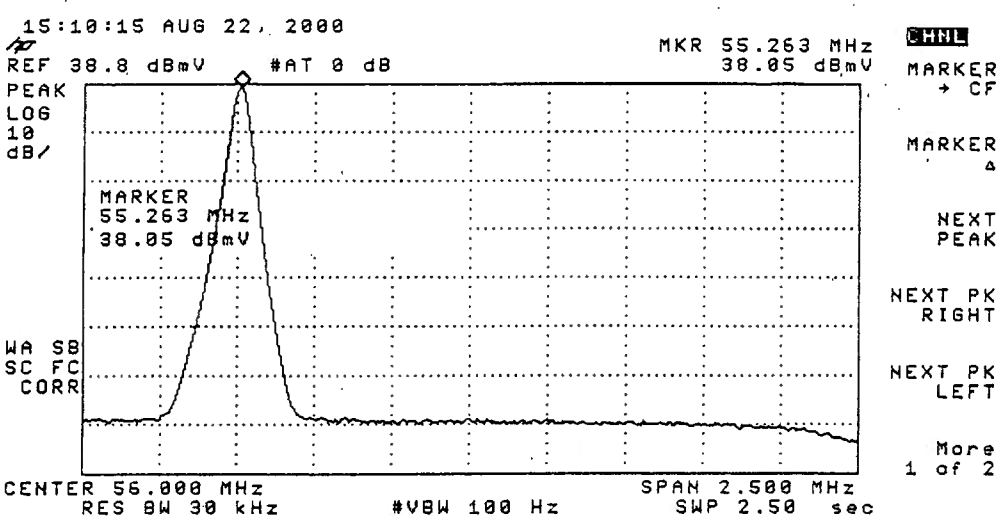

14:50:08 AUG 22, 2000
CHANNEL 2 (STD)
REF -4.7 dBmV
#AT 0 dB
MKR 368.625 MHz
-13.72 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
CENTER 369.090 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

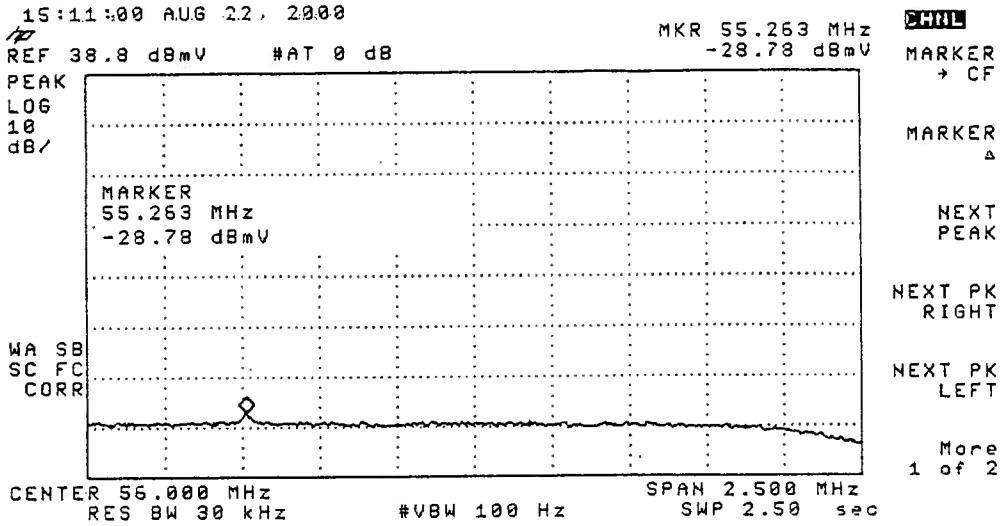

14:51:10 AUG 22, 2000
CHANNEL 2 (STD)
REF -5.1 dBmV
#AT 0 dB
MKR 404.640 MHz
-14.63 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.6 dB
MAIN
MENU
CENTER 405.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


14:52:56 AUG 22, 2000
CHANNEL 2 (STD)
REF -.7 dBmV
#AT 0 dB
MKR 545.055 MHz
-10.90 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 = ± 1.0 dB
MAIN
MENU
CENTER 543.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


15:09:48 AUG 22, 2000
REF 38.8 dBmV
#AT 0 dB
MKR Δ 513 kHz
-69.15 dB
PEAK
LOG
10
dB/
MARKER Δ
513 kHz
-69.15 dB
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec
CHNL
MARKER
NORMAL
MARKER
MARKER
AMPTD
SELECT
1 2 3 4
MARKER 1
ON OFF
More
1 of 2


15:10:01 AUG 22, 2000
REF 38.8 dBmV
#AT 0 dB
MKR Δ 750 kHz
-68.73 dB
PEAK
LOG
10
dB/
MARKER Δ
750 kHz
-68.73 dB
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec
CHNL
MARKER
NORMAL
MARKER
MARKER
AMPTD
SELECT
1 2 3 4
MARKER 1
ON OFF
More
1 of 2


15:10:15 AUG 22, 2000
REF 38.8 dBmV
#AT 0 dB
MKR 55.263 MHz
38.05 dBmV
PEAK
LOG
10
dB/
MARKER
55.263 MHz
38.05 dBmV
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec
CHNL
MARKER
→ CF
MARKER
Δ
NEXT
PEAK
NEXT PK
RIGHT
NEXT PK
LEFT
More
1 of 2


15:11:00 AUG 22, 2000
REF 38.8 dBmV
#AT 0 dB
MKR 55.263 MHz
-28.78 dBmV
CHNL
MARKER
→ CF
MARKER
Δ
NEXT
PEAK
NEXT PK
RIGHT
NEXT PK
LEFT
More
1 of 2
PEAK
LOG
10
dB/
MARKER
55.263 MHz
-28.78 dBmV
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec

Visual Carrier Level Variation Test 76.605 (a) 4

System Name: Time Warner - Syracuse

Test Point Location: Ostrander Rd.

Date: Aug 24-26, 2000 Performed by: P. Bellucci & Scott Williams

Meter Serial Number: 9210390

Chan	Freq (MHz)	Temp °F				Max Variation	Chan	Freq (MHz)	Temp °F				Max Variation
		75	75	68	66				75	75	68	66	
		Time							Time				
		08:59	14:57	20:59	03:00				08:59	14:57	20:59	03:00	
		Visual Level (dbmv)							Visual Level (dbmv)				
2	55.2500	15.5	15.3	15.4	15.1	0.4	AA	301.2625	11.5	11.3	11.3	11.2	0.3
3	61.2500	15.5	14.9	15.4	15.3	0.6	BB	307.2625	11.1	10.9	11.1	11.4	0.5
4	67.2500	14.0	13.5	13.6	13.9	0.5	CC	313.2625	11.4	11.3	11.2	11.4	0.2
5	77.2500	13.9	13.1	13.4	14.0	0.9	DD	319.2625	12.0	11.7	11.6	11.9	0.4
6	83.2500	12.6	11.7	11.8	12.5	0.9	EE	325.2625	10.7	10.9	10.7	10.9	0.2
							FF	331.2750	11.1	11.3	11.0	11.3	0.3
							GG	337.2625	11.1	11.2	10.9	10.8	0.4
A-5	91.2500						HH	343.2625	11.1	11.4	10.8	10.9	0.6
A-4	97.2500						II	349.2625	12.0	12.3	11.7	11.9	0.6
A-3	103.2500						JJ	355.2625	11.8	12.0	11.5	12.0	0.5
A-2	109.2750	10.0	9.8	10.2	10.1	0.4	KK	361.2625	11.3	11.6	11.2	11.3	0.4
A-1	115.2750	10.0	9.6	10.0	10.1	0.5	LL	367.2625	11.8	12.0	11.8	11.7	0.3
A	121.2625	9.3	9.7	9.4	9.6	0.4	MM	373.2625	11.9	11.9	12.3	12.5	0.6
B	127.2625	8.1	8.1	8.3	8.9	0.8	NN	379.2625	11.9	11.9	12.4	12.4	0.5
C	133.2625	9.2	9.3	9.1	8.9	0.4	OO	385.2625	12.1	11.4	11.9	12.0	0.7
D	139.2500	9.9	9.8	9.7	9.8	0.2	PP	391.2625	11.8	11.4	11.6	11.8	0.4
E	145.2500	10.1	10.0	9.7	9.9	0.4	QQ	397.2625	11.5	11.3	11.6	11.7	0.4
F	151.2500	10.4	10.1	10.3	10.7	0.6	RR	403.2500	10.9	10.6	10.9	10.9	0.3
G	157.2500	9.3	9.3	9.2	9.2	0.1	SS	409.2500	10.9	10.9	11.1	11.2	0.3
H	163.2500	9.5	9.3	9.3	9.4	0.2	TT	415.2500	11.1	10.3	11.2	9.8	1.4
I	169.2500	9.6	9.8	9.6	9.8	0.2	UU	421.2500	9.6	11.1	11.1	11.1	1.5
7	175.2500	10.0	10.1	9.5	10.0	0.6	VV	427.2500	11.8	11.6	11.8	11.8	0.2
8	181.2500	10.3	10.4	10.4	10.4	0.1	WW	433.2500	11.2	11.2	10.7	11.0	0.5
9	187.2500	10.1	10.2	10.2	10.3	0.2	XX	439.2500	12.0	12.1	10.4	11.0	1.7
10	193.2500	9.4	9.2	9.5	9.6	0.4	YY	445.2500	10.9	11.2	11.1	11.1	0.3
11	199.2500	10.1	10.0	10.0	10.0	0.1	ZZ	451.2500	10.7	10.8	10.5	10.9	0.4
12	205.2500	10.1	9.7	9.6	9.7	0.5	63	457.2500	10.0	10.6	10.2	10.5	0.6
13	211.2500	9.5	9.7	9.6	9.6	0.2	64	463.2500	10.2	9.7	9.8	10.1	0.5
J	217.2500	10.0	10.0	9.8	9.8	0.2	65	469.2500	10.2	10.7	10.1	10.2	0.6
K	223.2500	9.9	9.6	9.8	9.8	0.3	66	475.2500	10.8	11.0	10.6	9.7	1.3
L	229.2625	9.5	9.5	9.5	9.5	0.0	67	481.2500	10.2	11.2	10.8	10.5	1.0
M	235.2625	9.7	9.8	9.5	9.8	0.3	68	487.2500	10.8	10.3	9.9	10.1	0.9
N	241.2625	9.1	9.5	9.3	9.4	0.4	69	493.2500	11.1	10.3	10.9	11.0	0.8
O	247.2625	8.8	9.2	9.1	9.4	0.6	70	499.2500	11.3	11.0	10.5	11.6	1.1
P	253.2625	9.8	9.7	9.6	9.7	0.2	71	505.2500	11.6	10.7	10.7	10.8	0.9
Q	259.2625	9.6	9.5	9.4	9.5	0.2	72	511.2500	9.7	10.0	10.4	10.7	1.0
R	265.2625	9.8	9.8	9.8	10.0	0.2	73	517.2500	11.6	10.9	10.8	10.8	0.8
S	271.2625	10.1	10.0	10.1	10.0	0.1	74	523.2500	12.5	12.1	11.8	12.4	0.7
T	277.2625	10.5	10.5	10.5	10.7	0.2	75	529.2500	11.4	11.1	10.8	11.3	0.6
U	283.2625	10.9	10.5	10.6	10.8	0.4	76	535.2500	13.6	13.2	13.1	12.7	0.9
V	289.2625	10.7	10.5	10.7	11.0	0.5	77	541.2500	14.5	14.0	14.1	14.4	0.5
W	295.2625	11.5	11.2	11.3	11.3	0.3	78	547.2500	13.5	12.7	12.8	13.7	1.0

Max NonAdjacent Channel Level Diff.	7.4
Max Adjacent Channel Level Diff.	2.3

Max Variance from last proof-of-performance test	6.7
Date of last proof-of-performance test	Feb. 2000

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

TIME WARNER CABLE
SYRACUSE DIVISION

Proof-of-Performance Tests

System Name: Time Warner-Syracuse

System Test Point # 2

Location: Rt. 48

Community: Fulton

Pole Number: 188/709

D.T. Value: 17-4

Map Number: 22-15

OR Number: 713

Trunk Cascade: 4 LE Cascade: 2

Visual Carrier Level

Visual / Aural Level Difference

(at Test Point, at The End of a 100' Drop)

System Name: Time Warner - Syracuse

Test Location: Rt.48

Date: 24-Aug-00

Time: 09:08 AM

Chan	Freq. (MHz)	Visual Level (dbmv)	Aural Level (dbmv)	Scrat "S"	Diff. (Dbmv)	Chan	Freq. (MHz)	Visual Level (dbmv)	Aural Level (dbmv)	Scrat "S"	Diff (Dbmv)
2	55.2500	11.4	-2.2		13.6	AA	289.2625	9.5	-3.5		13.0
3	61.2500	11.3	-2.1		13.4	BB	307.2625	9.4	-2.1		11.5
4	67.2500	10.2	-4.0		14.2	CC	313.2625	9.1	-4.1		13.2
5	77.2500	10.5	-3.4		13.9	DD	319.2625	10.1	-4.5		14.6
6	83.2500	10.3	-3.5		13.8	EE	325.2625	8.7	-4.4		13.1
						FF	331.2750	9.2	-5.0		14.2
						GG	337.2625	9.2	-4.4		13.6
A-5	91.2500					HH	343.2625	8.9	-4.4		13.3
A-4	97.2500					II	349.2625	9.2	-5.3		14.5
A-3	103.2500					JJ	355.2625	9.0	-4.9		13.9
A-2	109.2750	8.5	-5.9		14.4	KK	361.2625	8.1	-5.8		13.9
A-1	115.2750	8.2	-7.2	S	15.4	LL	367.2625	7.8	-5.7		13.5
A	121.2625	8.1	-5.3		13.4	MM	373.2625	8.2	-5.3		13.5
B	127.2625	7.4	-7.1		14.5	NN	379.2625	8.6	-4.7		13.3
C	133.2625	7.4	-5.4		12.8	OO	385.2625	8.9	-4.7		13.6
D	139.2500	8.6	-4.2		12.8	PP	391.2625	8.8	-4.9		13.7
E	145.2500	8.7	-4.4		13.1	QQ	397.2625	8.8	-4.2		13.0
F	151.2500	9.6	-5.7		15.3	RR	403.2500	8.1	-5.1		13.2
G	157.2500	9.0	-4.9		13.9	SS	409.2500	7.9	-5.5		13.4
H	163.2500	9.1	-4.5		13.6	TT	415.2500	8.4	-6.2	S	14.6
I	169.2500	9.4	-4.6		14.0	UU	421.2500	8.7	-5.8	S	14.5
7	175.2500	9.5	-4.4		13.9	VV	427.2500	9.1	-5.3		14.4
8	181.2500	9.5	-4.1		13.6	WW	433.2500	8.4	-5.7		14.1
9	187.2500	9.4	-4.0		13.4	XX	439.2500	9.5	-4.9		14.4
10	193.2500	9.3	-4.8		14.1	YY	445.2500	8.5	-5.1		13.6
11	199.2500	9.8	-3.9		13.7	ZZ	451.2500	8.3	-4.7	S	13.0
12	205.2500	9.8	-4.1		13.9	63	457.2500	8.0	-6.3	S	14.3
13	211.2500	9.8	-4.0		13.8	64	463.2500	7.7	-5.9	S	13.6
J	217.2500	9.8	-4.4		14.2	65	469.2500	8.6	-4.6		13.2
K	223.2500	9.5	-4.3		13.8	66	475.2500	9.5	-5.9	S	15.4
L	229.2625	9.4	-4.6		14.0	67	481.2500	8.7	-5.7	S	14.4
M	235.2625	9.4	-4.9		14.3	68	487.2500	9.1	-4.9	S	14.0
N	241.2625	8.7	-5.5		14.2	69	493.2500	9.0	-5.9	S	14.9
O	247.2625	8.4	-5.1		13.5	70	499.2500	8.9	-5.8	S	14.7
P	253.2625	9.1	-5.4		14.5	71	505.2500	9.3	-4.9	S	14.2
Q	259.2625	8.7	-4.8		13.5	72	511.2500	7.8	-5.7	S	13.5
R	265.2625	8.7	-5.2		13.9	73	517.2500	9.2	-4.6	S	13.8
S	271.2625	9.0	-4.7		13.7	74	523.2500	9.3	-4.8	S	14.1
T	277.2625	9.3	-4.6		13.9	75	529.2500	8.6	-6.2		14.8
U	283.2625	9.0	-4.7		13.7	76	535.2500	10.2	-5.2	S	15.4
V	289.2625	9.0	-4.2		13.2	77	541.2500	10.9	-2.8		13.7
W	283.2625	9.6	-4.1		13.7	78	547.2500	9.8	-5.8	S	15.6

PEAK TO VALLEY: 4

IN CHANNEL RESPONSE Test

CARRIER - TO - NOISE Test

COHERENT DISTURBANCES Test

LOW FREQUENCY DISTURBANCES Test

System Name: Time Warner-Syracuse **Date:** August 2000

Test Performed By: Patrick Thrall

Location: Rt. 48

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

Channel Number	In Channel Respons	Carrier To Noise Ratio	Distortions (-dBc)			
	(+/- dB)	(dB)	CTB	CSO	XMOD	(%)
2	0.4	48.5	67.0	69.1	69.4	0.6
A	0.5	48.1	62.8	67.5		
H	0.5	48.5	66.4	69.7		
8	1.1	47.4	65.3	68.5		
T	1.6	48.5	66.0	68.7		
CC	1.2	48.4	65.8	68.7		
LL	0.6	47	62.0	65.4		
RR	0.6	47.4	60.0	64.9		
OOO	1.0	47.3	60.2	63.7		

Time Warner Cable
Syracuse Division

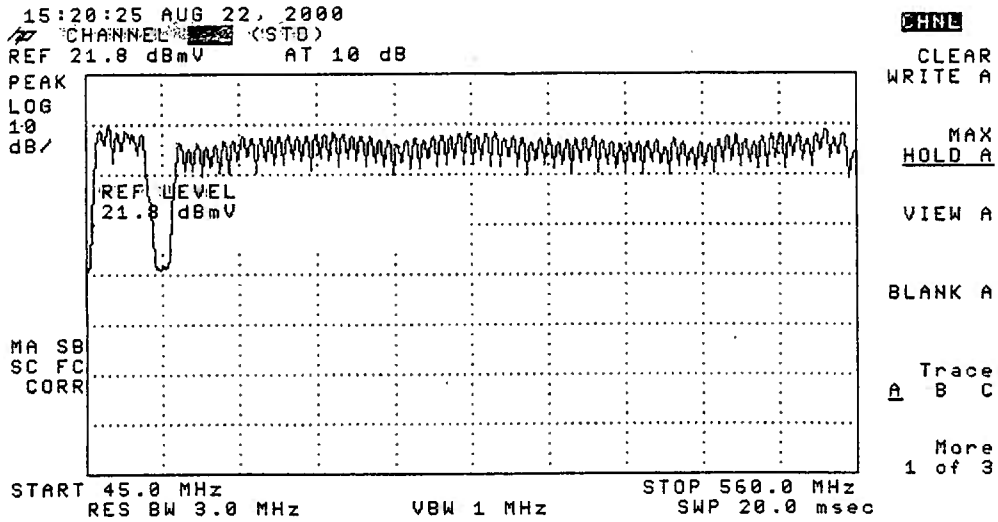
IN - CHANNEL FREQUENCY RESPONSE TEST

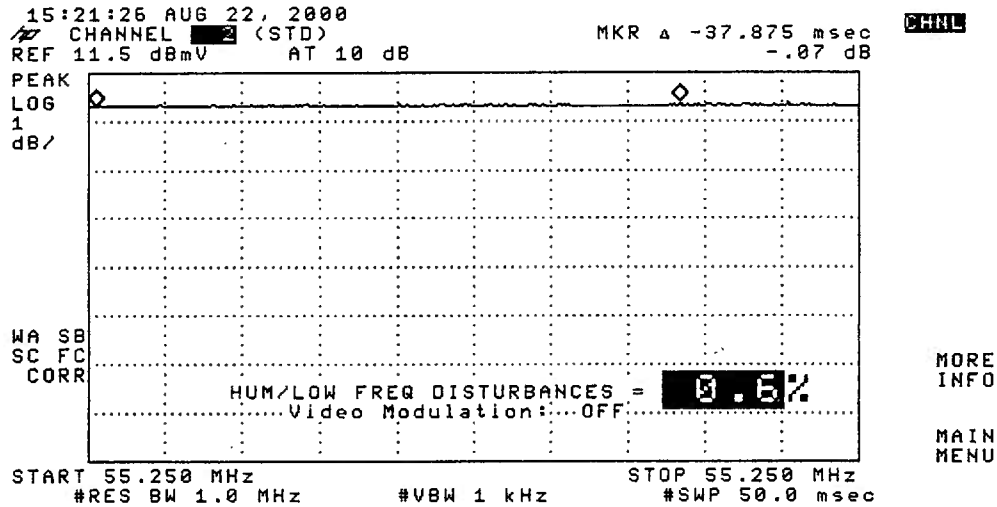
(76.605 (a) 6)

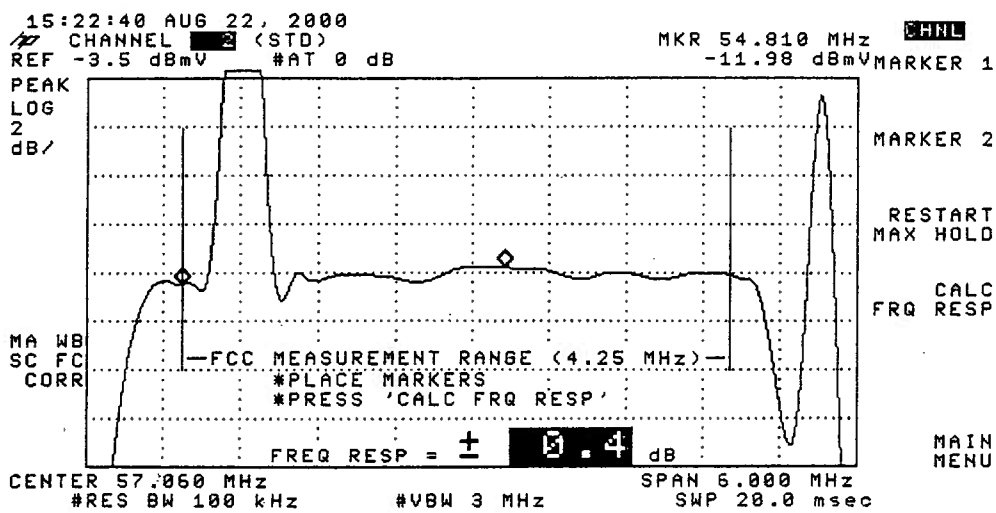
System Name: Time Warner-Syracuse Date: August 2000

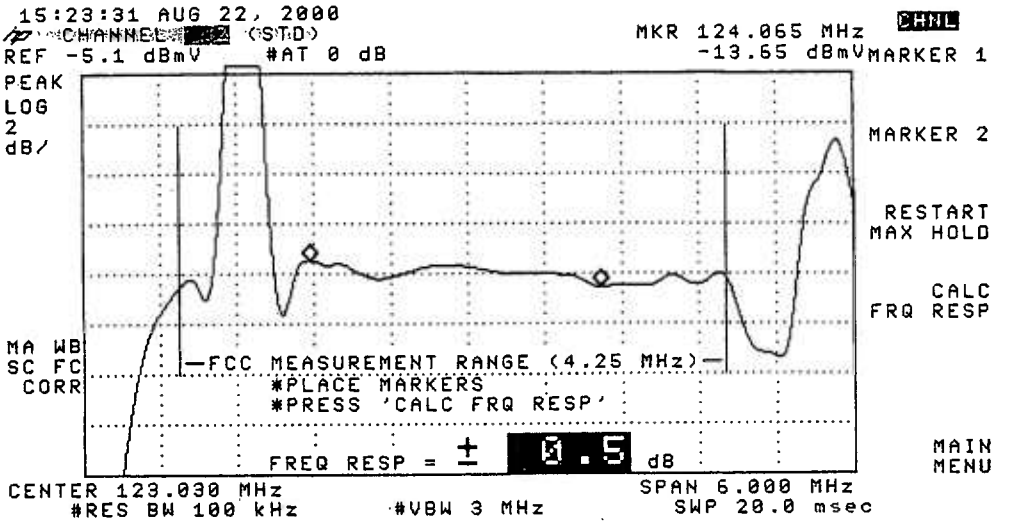
Test Performed By Pat Thrall Location: Rt.48

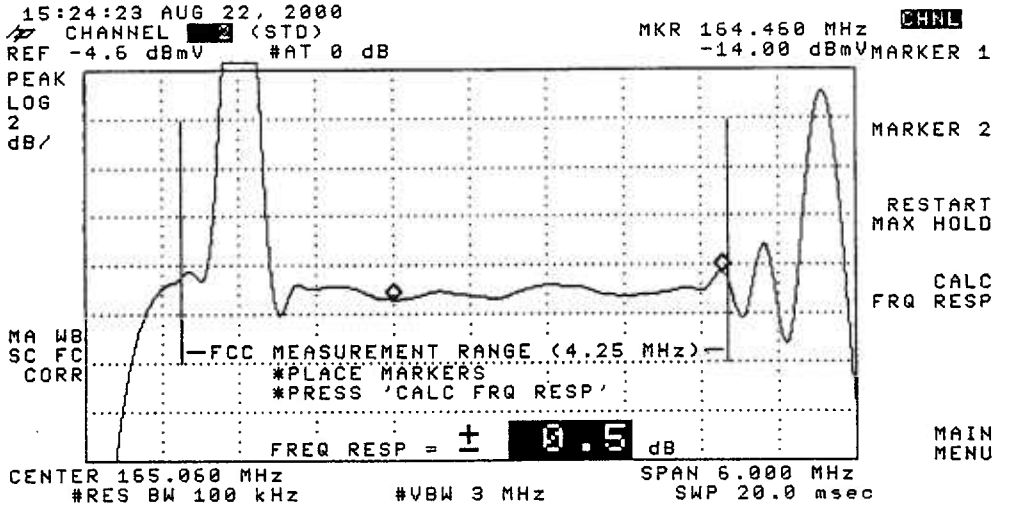
(SEE THE ATTATCHED SWEEP TRACES)

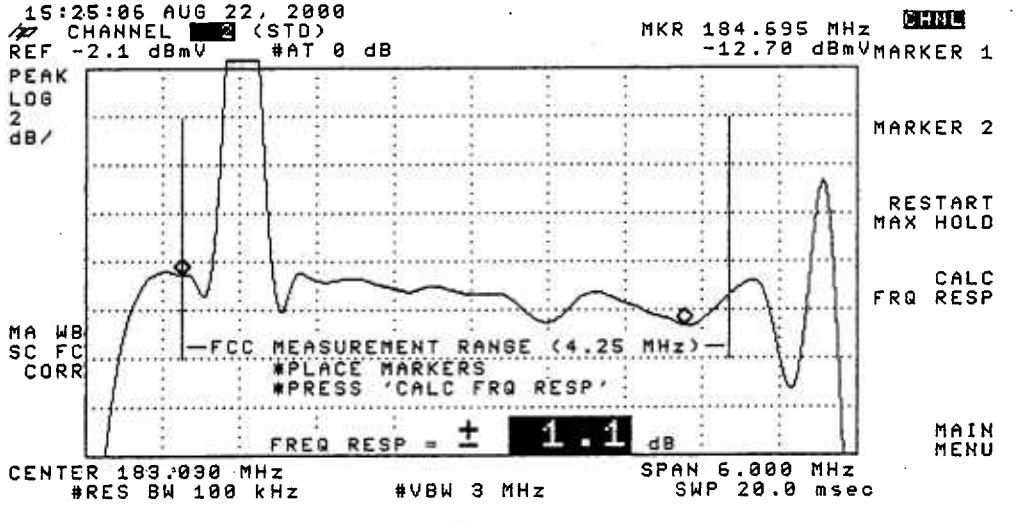

15:20:25 AUG 22, 2000
CHANNEL 2 (STD)
REF 21.8 dBmV
AT 10 dB
PEAK
LOG
10
dB/
REF LEVEL
21.8 dBmV
MA SB
SC FC
CORR
START 45.0 MHz
RES BW 3.0 MHz
VBW 1 MHz
STOP 560.0 MHz
SWP 20.0 msec
CHNL
CLEAR
WRITE A
MAX
HOLD A
VIEW A
BLANK A
Trace
A B C
More
1 of 3

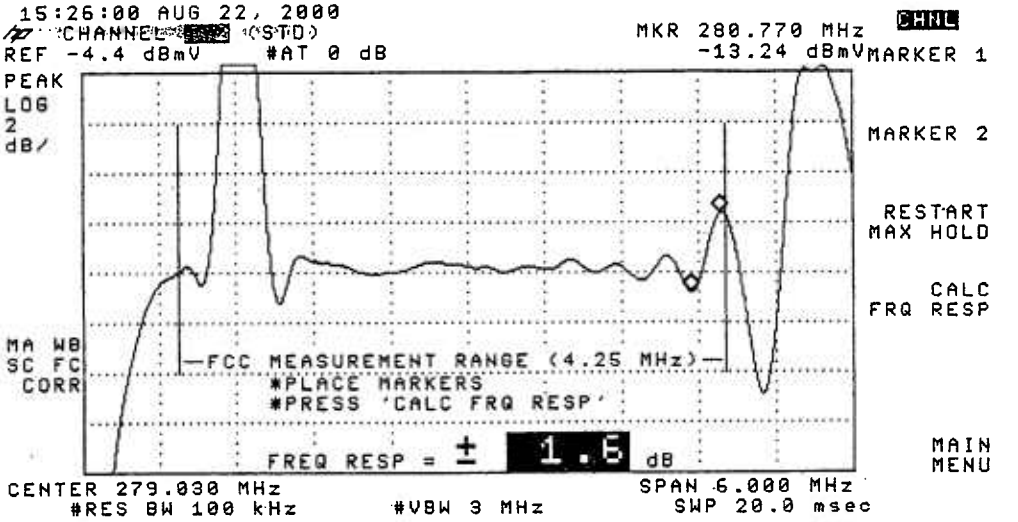

15:21:26 AUG 22, 2000
CHANNEL 2 (STD)
REF 11.5 dBmV
AT 10 dB
MKR Δ -37.875 msec
-.07 dB
PEAK
LOG
1
dB/
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = 0.6%
Video Modulation: OFF
START 55.250 MHz
#RES BW 1.0 MHz
#VBW 1 kHz
STOP 55.250 MHz
#SWP 50.0 msec
CHNL
MORE
INFO
MAIN
MENU

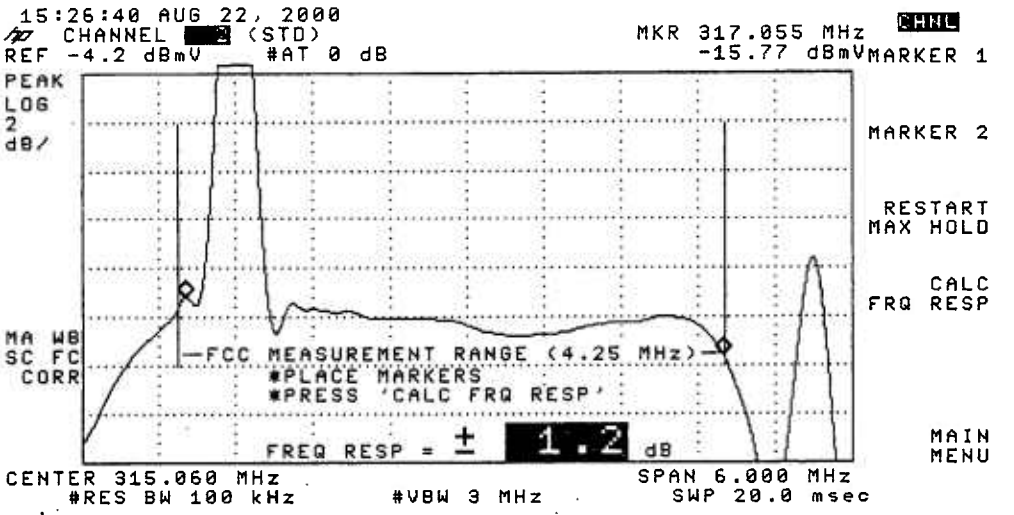

15:22:40 AUG 22, 2000
CHANNEL 2 (STD)
REF -3.5 dBmV
#AT 0 dB
MKR 54.810 MHz
-11.98 dBmV
PEAK
LOG
2
dB/
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
CENTER 57.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec
CHNL
MARKER 1
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MAIN
MENU

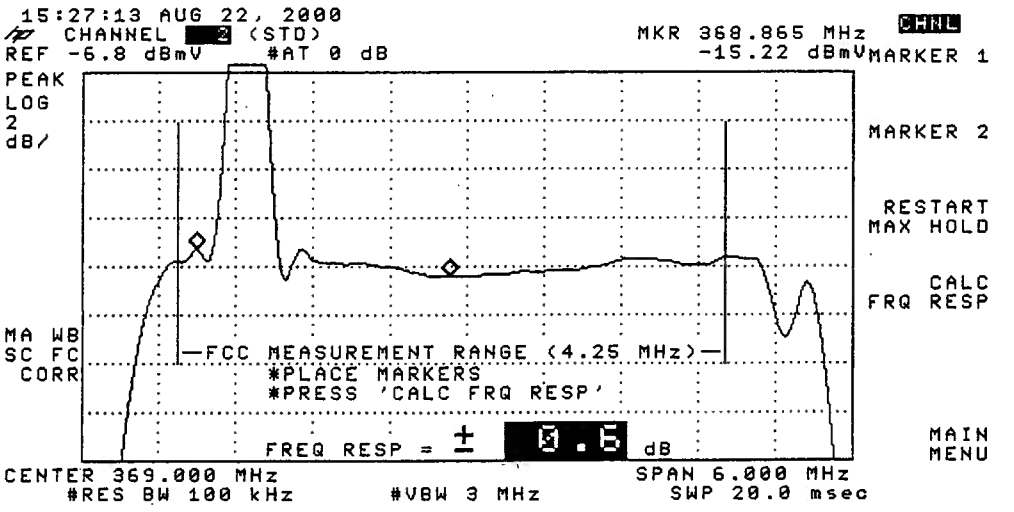

15:23:31 AUG 22, 2000
CHANNEL 2 (STD)
REF -5.1 dBmV
#AT 0 dB
MKR 124.065 MHz
-13.65 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
CENTER 123.030 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

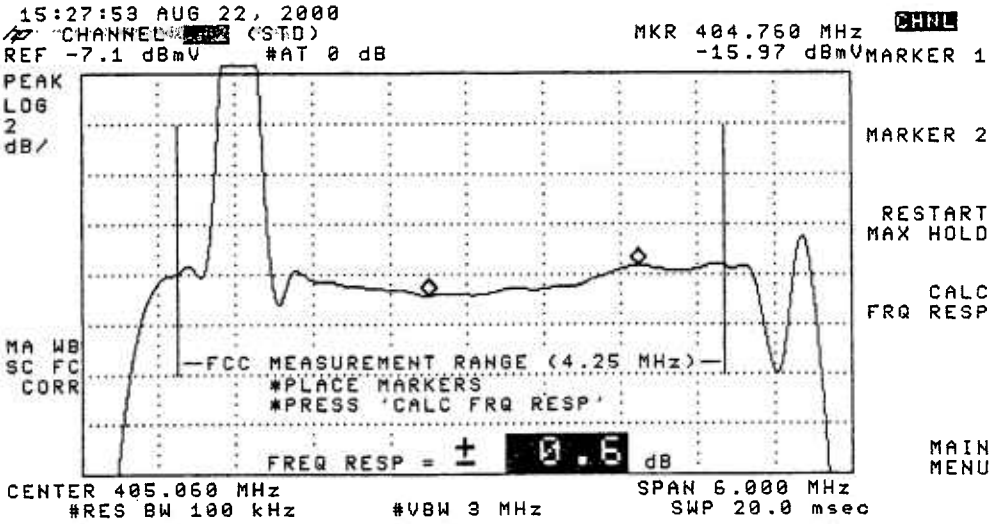

15:24:23 AUG 22, 2000
CHANNEL 2 (STD)
REF -4.6 dBmV
#AT 0 dB
MKR 164.460 MHz
-14.00 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
CENTER 165.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

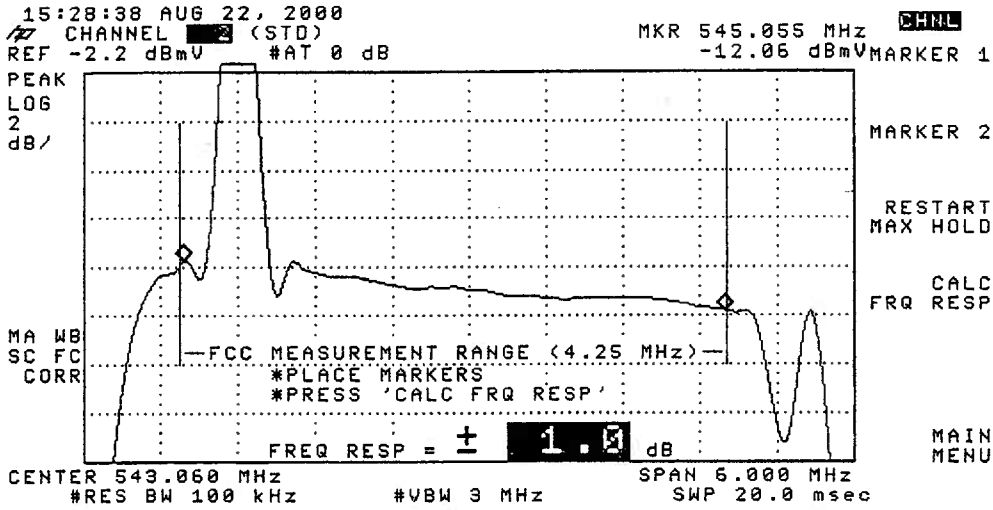

15:25:06 AUG 22, 2000
CHANNEL 2 (STD)
REF -2.1 dBmV
#AT 0 dB
MKR 184.695 MHz
-12.70 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 1.1 dB
MAIN
MENU
CENTER 183.030 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

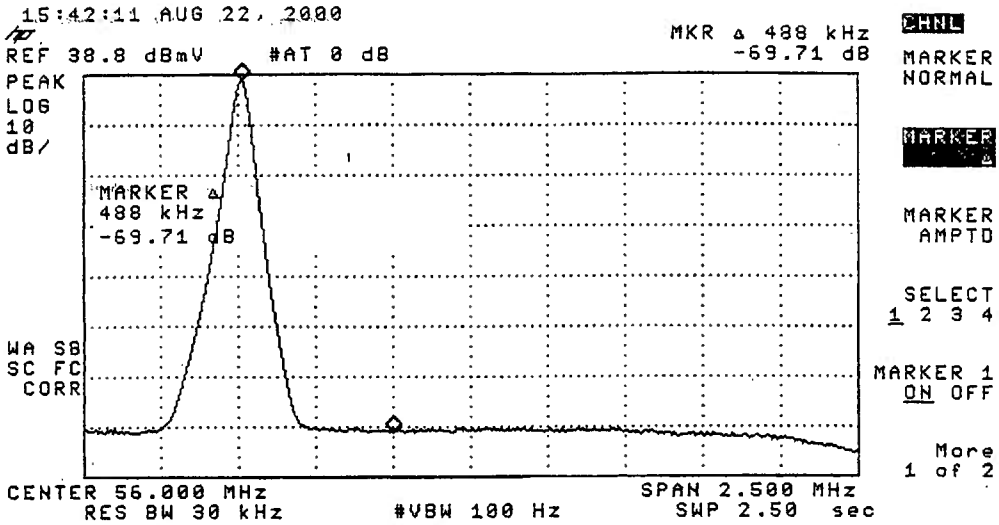

15:26:00 AUG 22, 2000
CHANNEL [redacted] (STD)
REF -4.4 dBmV
#AT 0 dB
MKR 280.770 MHz
-13.24 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 1.6 dB
MAIN
MENU
CENTER 279.030 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

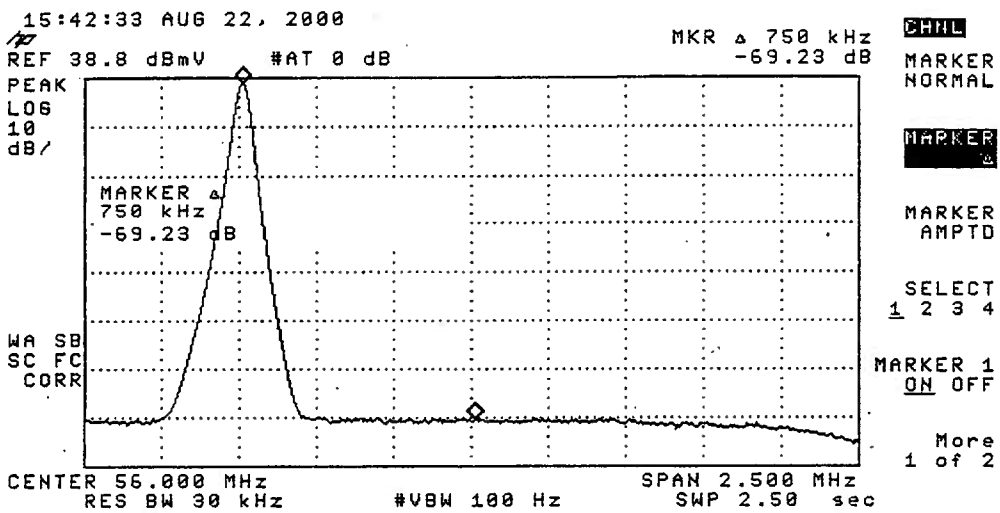

15:26:40 AUG 22, 2000
CHANNEL [redacted] (STD)
REF -4.2 dBmV
#AT 0 dB
MKR 317.055 MHz
-15.77 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 1.2 dB
MAIN
MENU
CENTER 315.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

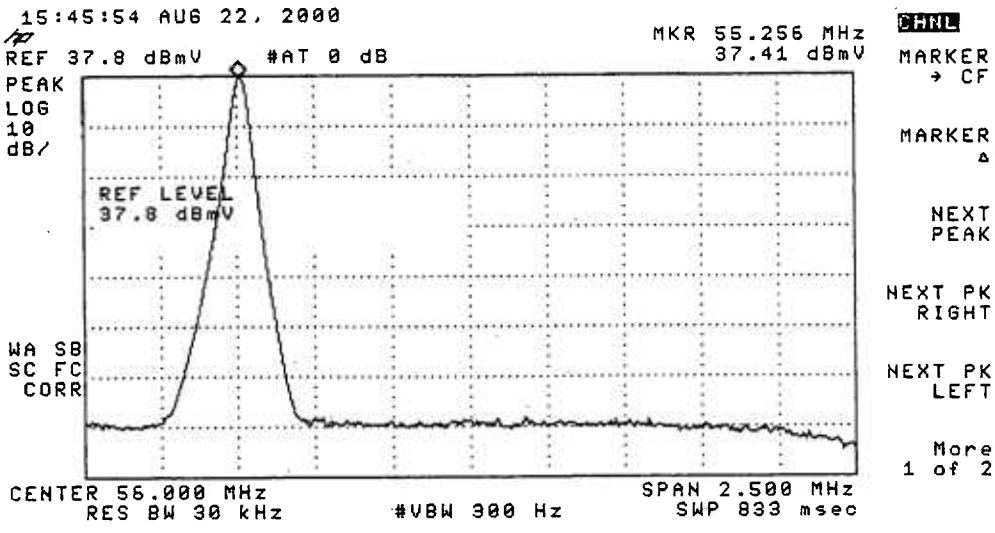

15:27:13 AUG 22, 2000
CHANNEL [redacted] (STD)
REF -6.8 dBmV
#AT 0 dB
MKR 368.865 MHz
-15.22 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.6 dB
MAIN
MENU
CENTER 369.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

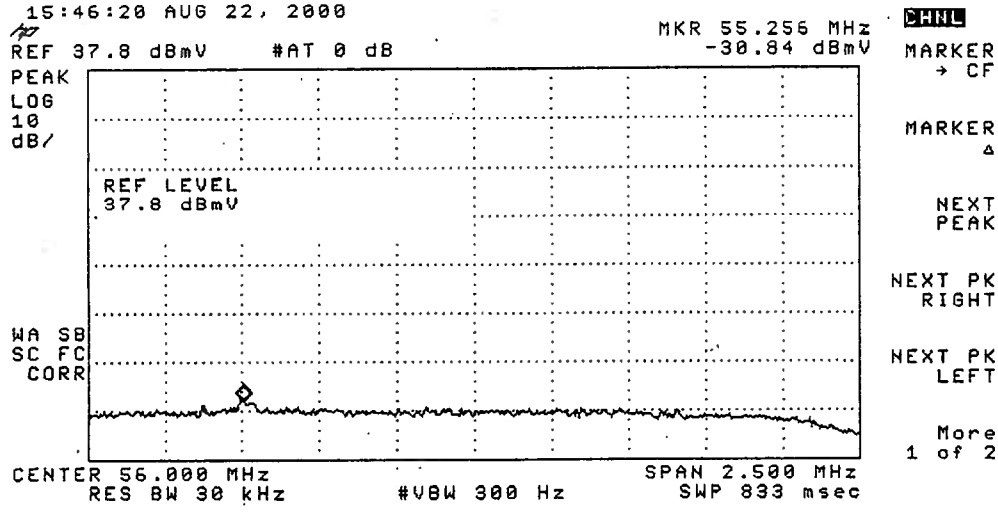

15:27:53 AUG 22, 2000
CHANNEL [redacted] (STD)
REF -7.1 dBmV
#AT 0 dB
MKR 404.760 MHz
-15.97 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.6 dB
MAIN
MENU
CENTER 405.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


15:28:38 AUG 22, 2000
CHANNEL [redacted] (STD)
REF -2.2 dBmV
#AT 0 dB
MKR 545.055 MHz
-12.06 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 1.0 dB
MAIN
MENU
CENTER 543.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


15:42:11 AUG 22, 2000
REF 38.8 dBmV
#AT 0 dB
MKR Δ 488 kHz
-69.71 dB
PEAK
LOG
10
dB/
MARKER Δ
488 kHz
-69.71 dB
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec
CHNL
MARKER
NORMAL
MARKER
MARKER
AMPTD
SELECT
1 2 3 4
MARKER 1
ON OFF
More
1 of 2


15:42:33 AUG 22, 2000
REF 38.8 dBmV
#AT 0 dB
MKR Δ 750 kHz
-69.23 dB
PEAK
LOG
10
dB/
MARKER Δ
750 kHz
-69.23 dB
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec
CHNL
MARKER
NORMAL
MARKER
MARKER
AMPTD
SELECT
1 2 3 4
MARKER 1
ON OFF
More
1 of 2


15:45:54 AUG 22, 2000
REF 37.8 dBmV
#AT 0 dB
MKR 55.256 MHz
37.41 dBmV
CHNL
MARKER
→ CF
MARKER
Δ
NEXT
PEAK
NEXT PK
RIGHT
NEXT PK
LEFT
More
1 of 2
PEAK
LOG
10
dB/
REF LEVEL
37.8 dBmV
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 300 Hz
SPAN 2.500 MHz
SWP 833 msec


15:46:20 AUG 22, 2000
REF 37.8 dBmV
#AT 0 dB
MKR 55.256 MHz
-30.84 dBmV
CHNL
MARKER
→ CF
MARKER
Δ
NEXT
PEAK
NEXT PK
RIGHT
NEXT PK
LEFT
More
1 of 2
PEAK
LOG
10
dB/
REF LEVEL
37.8 dBmV
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 300 Hz
SPAN 2.500 MHz
SWP 833 msec

Visual Carrier Level Variation Test 76.605 (a) 4

System Name: Time Warner - Syracuse

Test Point Location Rt. 48

Date: Aug. 24-25,2000 Performed by: P. Belluucci & Scott Williams

Meter Serial Number: 9210390

Chan	Freq. (MHz)	Temp °F				Max Variation	Chan	Freq (MHz)	Temp °F				Max Variation
		75	72	68	66				75	72	68	66	
		Time							Time				
		09:08	15:06	21:09	03:09				09:08	15:06	21:09	03:09	
		Visual Level (dbmv)							Visual Level (dbmv)				
2	55.2500	11.5	11.8	11.6	11.6	0.3	AA	301.2625	9.5	9.6	9.6	9.5	0.1
3	61.2500	11.7	11.7	12.2	12.2	0.5	BB	307.2625	9.4	9.0	9.0	9.5	0.5
4	67.2500	10.2	10.4	10.6	10.8	0.6	CC	313.2625	9.1	9.6	10.0	9.5	0.9
5	77.2500	10.5	10.7	10.8	10.7	0.3	DD	319.2625	10.1	10.1	9.9	10.3	0.4
6	83.2500	10.3	10.3	10.4	10.3	0.1	EE	325.2625	8.7	8.9	9.0	9.3	0.6
							FF	331.2750	9.2	8.9	9.2	9.2	0.3
							GG	337.2625	9.2	9.3	9.4	9.4	0.2
A-5	91.2500						HH	343.2625	8.9	8.8	8.9	9.1	0.3
A-4	97.2500						II	349.2625	9.2	9.4	9.5	9.8	0.6
A-3	103.2500						JJ	355.2625	9.0	8.6	9.2	9.5	0.9
A-2	109.2750	8.5	8.4	8.6	9.2	0.8	KK	361.2625	8.1	8.3	8.7	9.0	0.9
A-1	115.2750	8.2	7.8	8.6	8.8	1.0	LL	367.2625	7.8	8.9	9.1	9.5	1.7
A	121.2625	8.1	8.5	7.6	8.7	1.1	MM	373.2625	8.2	9.0	8.4	9.4	1.2
B	127.2625	7.4	7.3	7.7	7.5	0.4	NN	379.2625	8.6	9.1	8.4	9.4	1.0
C	133.2625	7.4	8.1	8.0	8.3	0.9	OO	385.2625	8.9	8.8	8.2	8.4	0.7
D	139.2500	8.6	9.0	8.7	8.7	0.4	PP	391.2625	8.8	8.8	8.6	7.7	1.1
E	145.2500	8.7	9.0	9.0	8.9	0.3	QQ	397.2625	8.8	8.8	8.8	7.9	0.9
F	151.2500	9.6	10.0	9.8	9.7	0.4	RR	403.2500	8.1	7.9	8.2	7.8	0.4
G	157.2500	9.0	9.1	9.0	9.0	0.1	SS	409.2500	7.9	7.9	8.1	8.0	0.2
H	163.2500	9.1	9.2	9.2	9.3	0.2	TT	415.2500	8.4	8.0	7.7	8.0	0.7
I	169.2500	9.4	9.6	9.6	9.8	0.4	UU	421.2500	8.7	7.5	8.7	9.0	1.5
7	175.2500	9.5	9.4	9.8	9.6	0.4	VV	427.2500	9.1	8.6	9.0	9.0	0.5
8	181.2500	9.5	9.9	9.8	9.9	0.4	WW	433.2500	8.4	8.4	8.0	8.1	0.4
9	187.2500	9.4	9.5	9.7	9.6	0.3	XX	439.2500	9.5	9.3	8.3	8.3	1.2
10	193.2500	9.3	9.2	9.5	9.7	0.5	YY	445.2500	8.5	8.4	8.5	8.7	0.3
11	199.2500	9.8	10.0	10.2	10.1	0.4	ZZ	451.2500	8.0	8.4	8.5	8.6	0.6
12	205.2500	9.8	9.9	9.9	10.1	0.3	63	457.2500	8.0	8.2	8.0	9.0	1.0
13	211.2500	9.8	10.1	10.2	10.0	0.4	64	463.2500	7.7	7.9	8.8	8.9	1.2
J	217.2500	9.8	10.0	10.0	10.1	0.3	65	469.2500	8.6	8.3	8.7	8.4	0.4
K	223.2500	9.5	9.6	9.6	9.7	0.2	66	475.2500	9.5	9.2	9.4	9.7	0.5
L	229.2625	9.4	9.3	9.5	9.5	0.2	67	481.2500	8.7	8.9	9.0	9.5	0.8
M	235.2625	9.4	9.2	9.6	9.7	0.5	68	487.2500	9.1	8.9	9.1	9.0	0.2
N	241.2625	8.7	8.9	8.8	8.7	0.2	69	493.2500	9.0	8.7	8.7	9.5	0.8
O	247.2625	8.4	8.8	8.7	8.8	0.4	70	499.2500	8.9	8.6	9.4	9.4	0.8
P	253.2625	9.1	9.3	9.1	9.2	0.2	71	505.2500	9.3	9.0	9.3	9.4	0.4
Q	259.2625	8.7	9.0	8.9	8.9	0.3	72	511.2500	8.5	9.4	9.3	8.7	0.9
R	265.2625	8.7	9.0	9.0	9.1	0.4	73	517.2500	9.2	9.3	9.2	9.2	0.1
S	271.2625	9.0	9.0	9.1	9.2	0.2	74	523.2500	9.3	9.6	9.7	9.7	0.4
T	277.2625	9.3	9.3	9.4	9.5	0.2	75	529.2500	8.6	8.7	8.5	8.4	0.3
U	283.2625	9.0	9.1	9.2	9.5	0.5	76	535.2500	10.2	10.3	10.3	10.3	0.1
V	289.2625	9.0	9.3	9.4	9.4	0.4	77	541.2500	10.9	11.2	11.0	11.0	0.3
W	295.2625	9.6	9.6	9.6	9.7	0.1	78	547.2500	9.8	9.7	9.8	9.5	0.3

Max NonAdjacent Channel Level Diff.	4.7
Max Adjacent Channel Level Diff.	1.9

Max Variance from last proof-of-performance test	7.8
Date of last proof-of-performance test	Feb. 2000

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

TIME WARNER CABLE
SYRACUSE DIVISION

Proof-of-Performance Tests

System Name: Time Warner-Syracuse

System Test Point # 3

Location: Country Ln.

Community: Lysander

Pole Number: UG

D.T. Value: 20-4

Map Number: 10-18a

OR Number: 303

Trunk Cascade: 4 LE Cascade: 1

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

System Name: Time Warner - Syracuse

Test Location: Country Ln.

Date: 24-Aug-00

Time: 09:25 AM

Chan	Freq. (MHz)	Visual Level (dbmv)	Aural Level (dbmv)	Scrat "S"	Diff. (Dbmv)	Chan	Freq. (MHz)	Visual Level (dbmv)	Aural Level (dbmv)	Scrat "S"	Diff. (Dbmv)
2	55.2500	13.9	-0.3		14.2	AA	289.2625	15.2	1.3		13.9
3	61.2500	14.2	-0.5		14.7	BB	307.2625	14.3	0.6		13.7
4	67.2500	13.6	-1.2		14.8	CC	313.2625	14.7	0.2		14.5
5	77.2500	13.1	-1.7		14.8	DD	319.2625	14.6	1.4		13.2
6	83.2500	12.7	-1.7		14.4	EE	325.2625	14.9	1.7		13.2
						FF	331.2750	15.4	1.0		14.4
						GG	337.2625	15.3	1.2		14.1
A-5	91.2500					HH	343.2625	14.9	0.8		14.1
A-4	97.2500					II	349.2625	15.4	1.2		14.2
A-3	103.2500					JJ	355.2625	15.4	0.8		14.6
A-2	109.2750	11.9	-2.4		14.3	KK	361.2625	14.7	0.9		13.8
A-1	115.2750	11.7	-2.2	S	13.9	LL	367.2625	15.5	0.8		14.7
A	121.2625	11.2	-0.9		12.1	MM	373.2625	14.8	1.5		13.3
B	127.2625	12.6	-0.7		13.3	NN	379.2625	14.6	1.2		13.4
C	133.2625	12.4	-1.6		14.0	OO	385.2625	15.1	0.5		14.6
D	139.2500	13.0	-1.0		14.0	PP	391.2625	14.1	-0.1		14.2
E	145.2500	12.9	-0.9		13.8	QQ	397.2625	14.4	0.5		13.9
F	151.2500	13.0	-1.7		14.7	RR	403.2500	15.1	1.2		13.9
G	157.2500	13.8	-0.1		13.9	SS	409.2500	15.3	2.1		13.2
H	163.2500	13.8	0.1		13.7	TT	415.2500	14.8	-0.1	S	14.9
I	169.2500	14.0	-0.1		14.1	UU	421.2500	15.2	1.3	S	13.9
7	175.2500	14.3	0.1		14.2	VV	427.2500	13.8	-0.6		14.4
8	181.2500	13.2	-0.9		14.1	WW	433.2500	13.8	-0.3		14.1
9	187.2500	14.0	0.2		13.8	XX	439.2500	13.4	-0.5		13.9
10	193.2500	13.9	0.2		13.7	YY	445.2500	13.9	-0.1		14.0
11	199.2500	14.0	-1.9		15.9	ZZ	451.2500	12.9	-2.3	S	15.2
12	205.2500	13.6	-0.3		13.9	63	457.2500	13.4	-1.5	S	14.9
13	211.2500	12.2	-2.3		14.5	64	463.2500	13.1	-1.0	S	14.1
J	217.2500	12.5	-1.4		13.9	65	469.2500	13.6	-0.5		14.1
K	223.2500	13.5	-1.1		14.6	66	475.2500	13.6	-2.2	S	15.8
L	229.2625	13.4	-0.7		14.1	67	481.2500	12.7	-0.5	S	13.2
M	235.2625	13.1	-1.4		14.5	68	487.2500	12.2	-1.4	S	13.6
N	241.2625	13.0	-1.0		14.0	69	493.2500	12.6	-2.9	S	15.5
O	247.2625	12.9	-1.2		14.1	70	499.2500	12.1	-1.4	S	13.5
P	253.2625	12.7	-0.8		13.5	71	505.2500	12.7	-2.3	S	15.0
Q	259.2625	12.5	-1.4		13.9	72	511.2500	12.4	-1.8	S	14.2
R	265.2625	13.3	-1.2		14.5	73	517.2500	11.5	-2.0	S	13.5
S	271.2625	12.8	-0.8		13.6	74	523.2500	12.4	-1.6	S	14.0
T	277.2625	13.7	-0.7		14.4	75	529.2500	14.1	-0.4		14.5
U	283.2625	13.1	-0.3		13.4	76	535.2500	13.1	-0.7	S	13.8
V	289.2625	13.8	-0.5		14.3	77	541.2500	13.4	-2.5	S	15.9
W	283.2625	13.9	0.1		13.8	78	547.2500	14.3	-2.1	S	16.4

PEAK TO VALLEY: 4.3

IN CHANNEL RESPONSE Test

CARRIER - TO - NOISE Test

COHERENT DISTURBANCES Test

LOW FREQUENCY DISTURBANCES Test

System Name: Time Warner-Syracuse **Date:** August 2000

Test Performed By: Patrick Thrall

Location: Country Ln.

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

Channel Number	In Channel Response	Carrier To Noise Ratio	Distortions (-dBc)			Ripple
	(+/- dB)	(dB)	CTB	CSO	XMOD	(%)
2	0.9	48.2	65.6	69.4	69.4	0.6
A	0.9	47.1	64.1	68.3		
H	0.8	48.2	63.2	69.4		
8	0.9	48.1	62.9	69.3		
T	0.7	48.1	59	69.3		
CC	0.6	48.2	59.3	69.4		
LL	0.3	47.8	59	69.1		
RR	0.5	47.1	57.6	68.3		
CCC	0.5	47.2	56	68.3		

Time Warner Cable
Syracuse Division

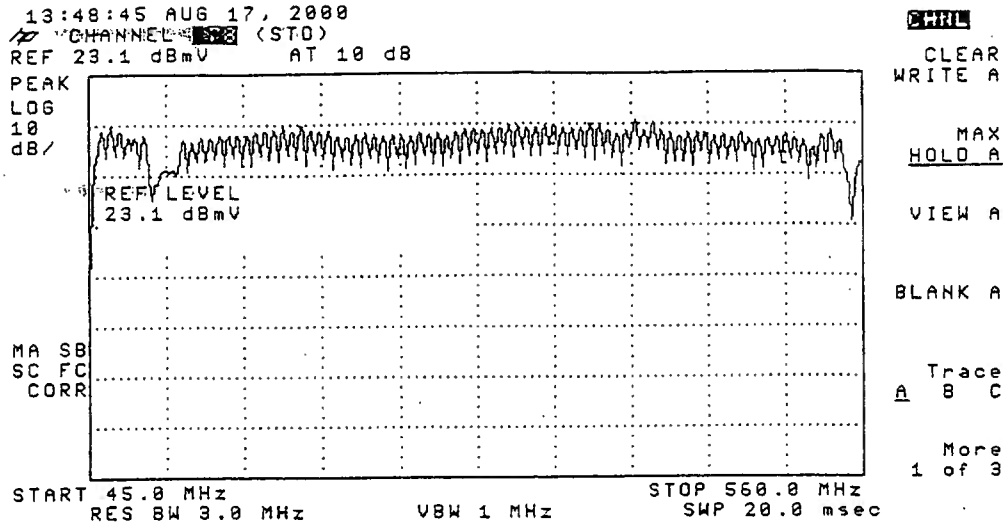
IN - CHANNEL FREQUENCY RESPONSE TEST

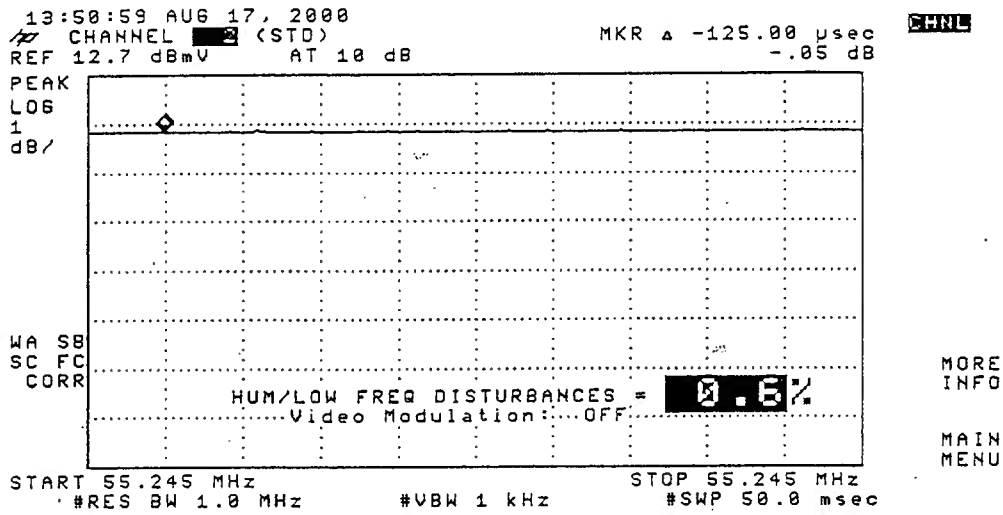
(76.605 (a) 6)

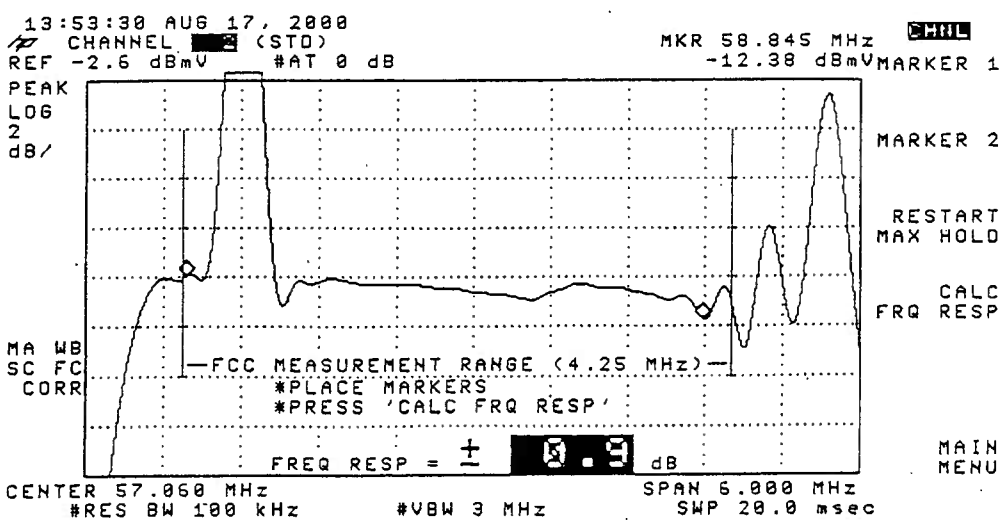
System Name: Time Warner-Syracuse Date: August 2000

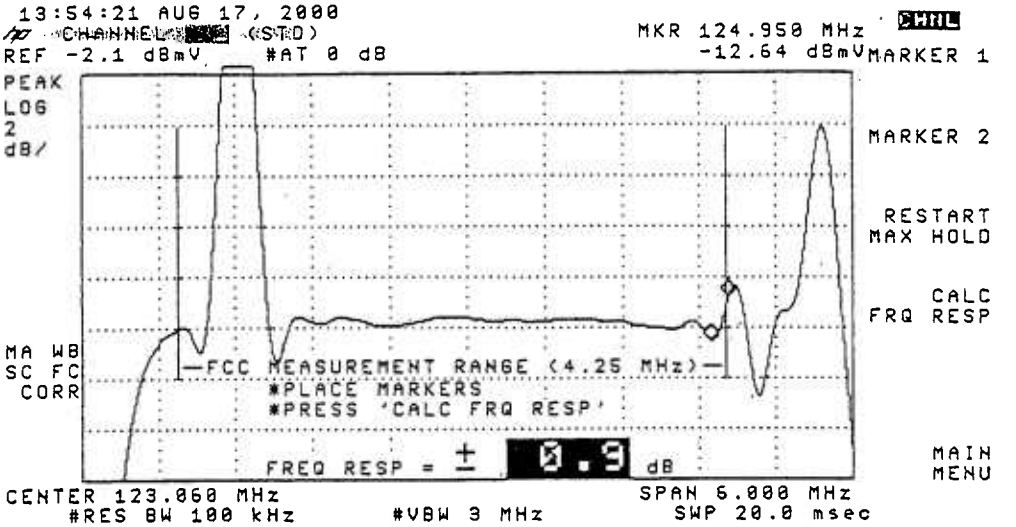
Test Performed By Pat Thrall Location: Country Lane

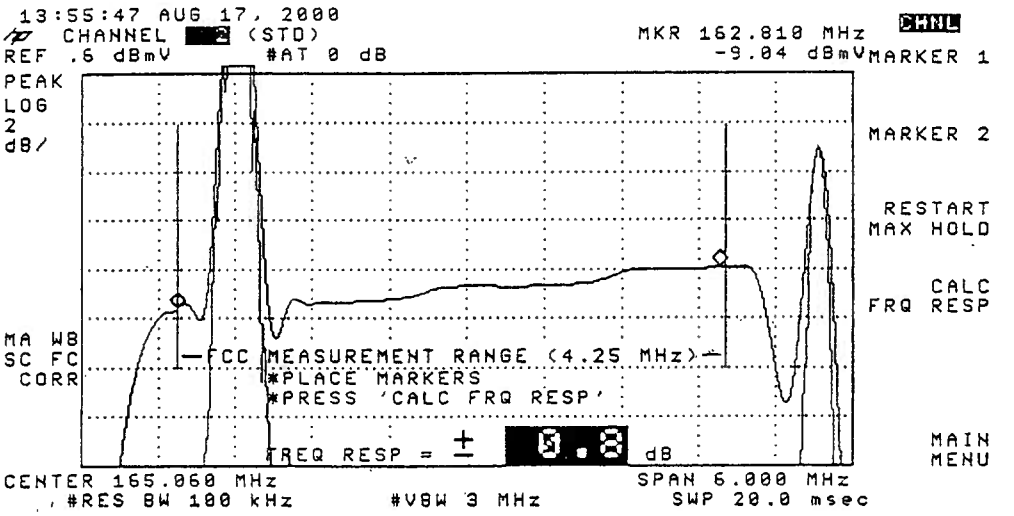
(SEE THE ATTATCHED SWEEP TRACES)

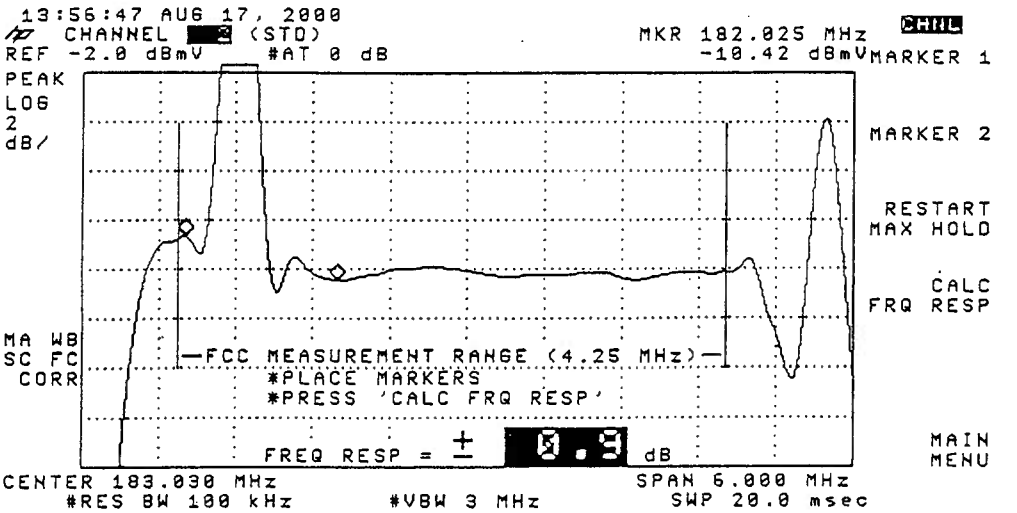

13:48:45 AUG 17, 2000
CHANNEL 28 (STD)
REF 23.1 dBmV
AT 10 dB
CHNL
CLEAR
WRITE A
PEAK
LOG
10
dB/
MAX
HOLD A
REF LEVEL
23.1 dBmV
VIEW A
BLANK A
MA SB
SC FC
CORR
Trace
A B C
More
1 of 3
START 45.0 MHz
STOP 560.0 MHz
RES BW 3.0 MHz
VBW 1 MHz
SWP 20.0 msec

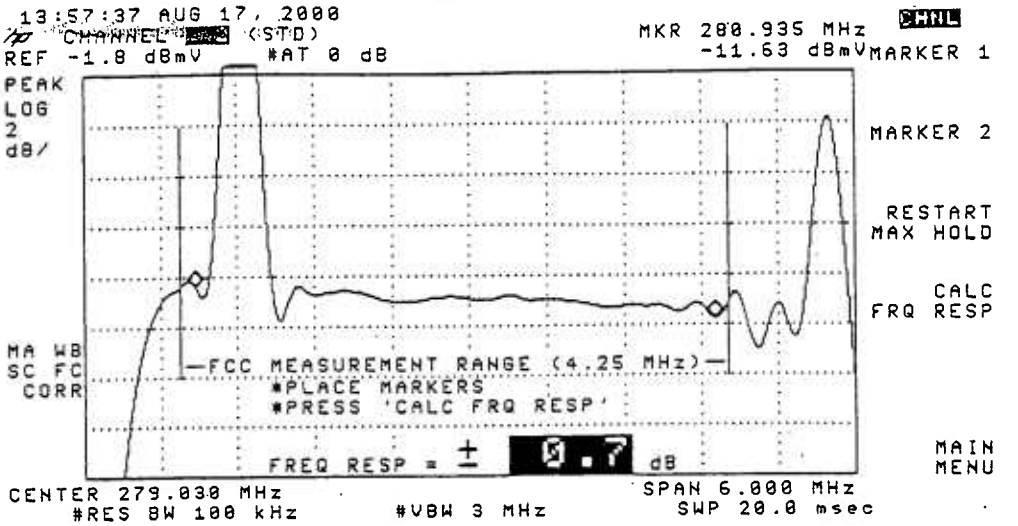

13:50:59 AUG 17, 2000
CHANNEL 2 (STD)
REF 12.7 dBmV
AT 10 dB
MKR Δ -125.00 µsec
-.05 dB
CHNL
PEAK
LOG
1
dB/
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = 0.6%
Video Modulation: OFF
MORE
INFO
MAIN
MENU
START 55.245 MHz
STOP 55.245 MHz
#RES BW 1.0 MHz
#VBW 1 kHz
#SWP 50.0 msec

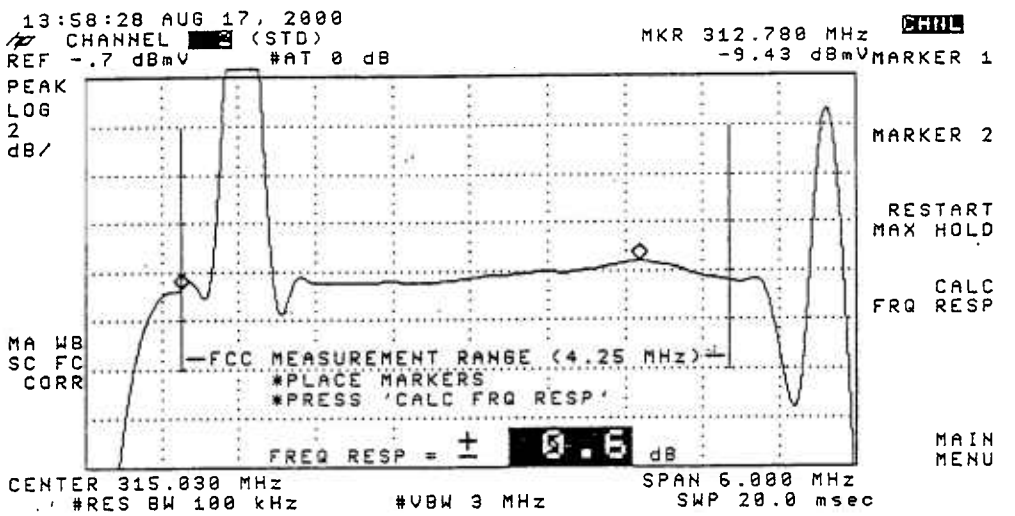

13:53:30 AUG 17, 2000
CHANNEL 2 (STD)
REF -2.6 dBmV
#AT 0 dB
MKR 58.845 MHz
-12.38 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.9 dB
MAIN
MENU
CENTER 57.060 MHz
SPAN 6.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec

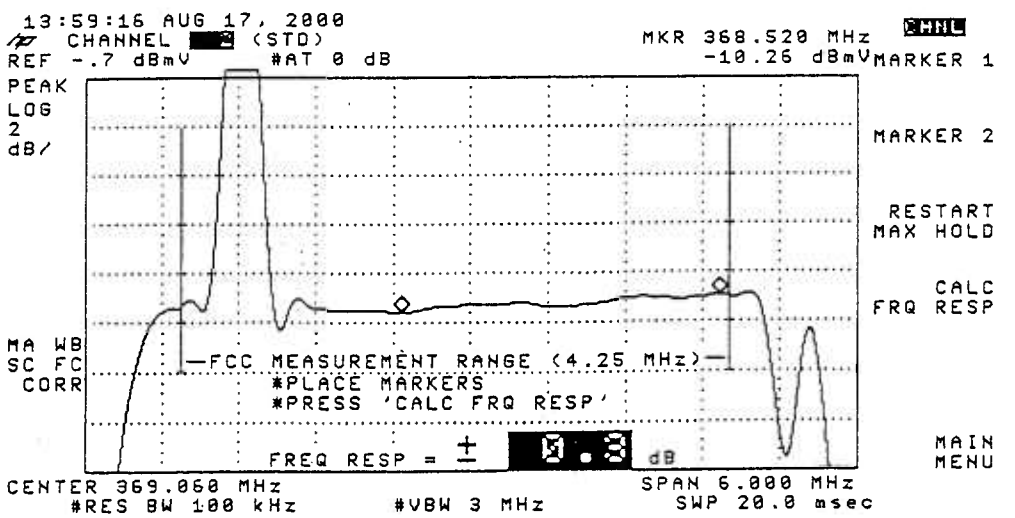

13:54:21 AUG 17, 2000
CHANNEL 2 (STD)
REF -2.1 dBmV
#AT 0 dB
MKR 124.950 MHz
-12.64 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.9 dB
MAIN
MENU
CENTER 123.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

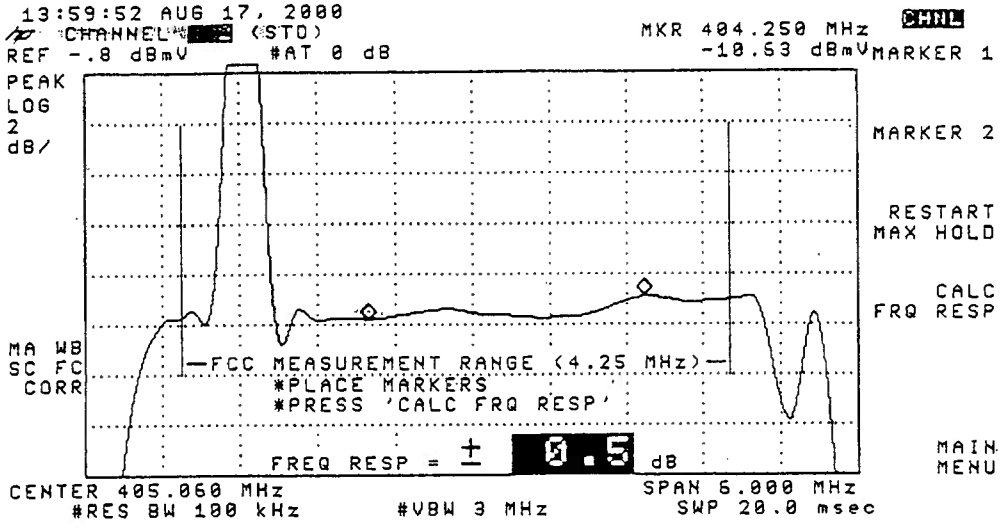

13:55:47 AUG 17, 2000
CHANNEL 2 (STD)
REF .6 dBmV
#AT 0 dB
MKR 162.810 MHz
-9.04 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.8 dB
MAIN
MENU
CENTER 165.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

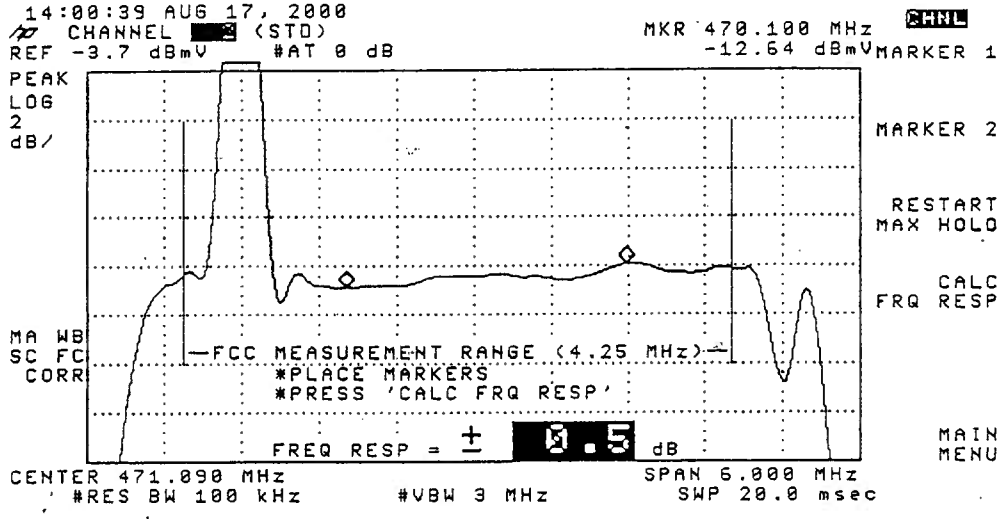

13:56:47 AUG 17, 2000
CHANNEL 2 (STD)
REF -2.0 dBmV
#AT 0 dB
MKR 182.025 MHz
-10.42 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.9 dB
MAIN
MENU
CENTER 183.030 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

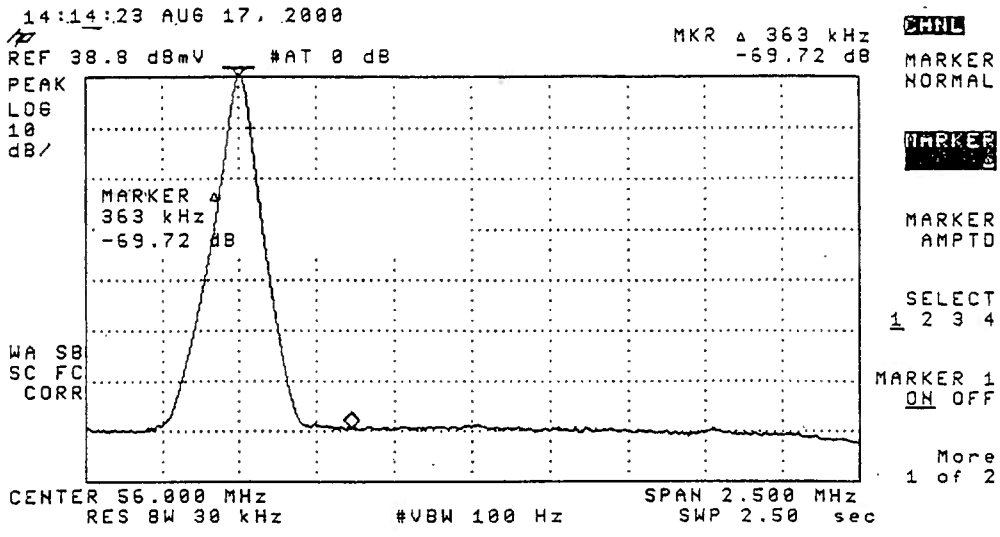

13:57:37 AUG 17, 2000
CHANNEL (STD)
REF -1.8 dBmV
#AT 0 dB
MKR 280.935 MHz
-11.63 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.7 dB
MAIN
MENU
CENTER 279.030 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

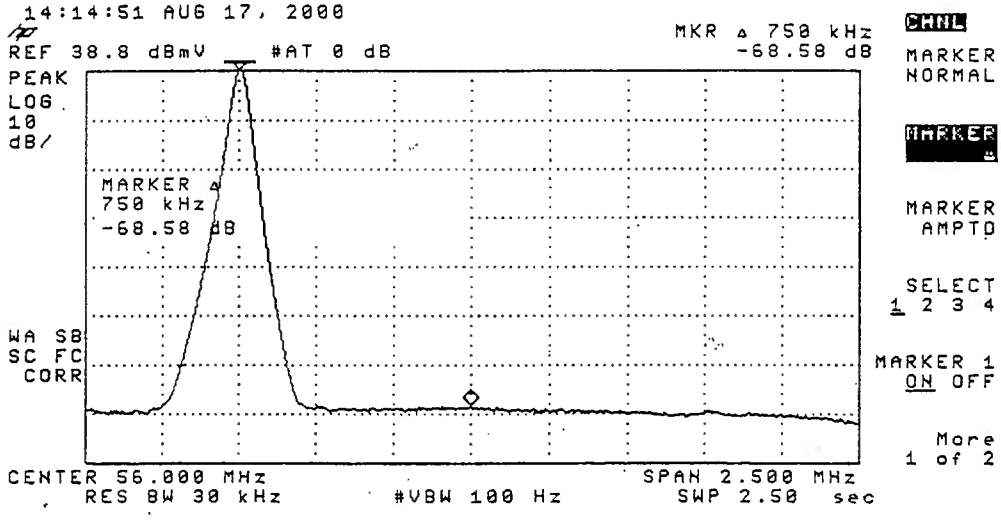

13:58:28 AUG 17, 2000
CHANNEL (STD)
REF -.7 dBmV
#AT 0 dB
MKR 312.780 MHz
-9.43 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.6 dB
MAIN
MENU
CENTER 315.030 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

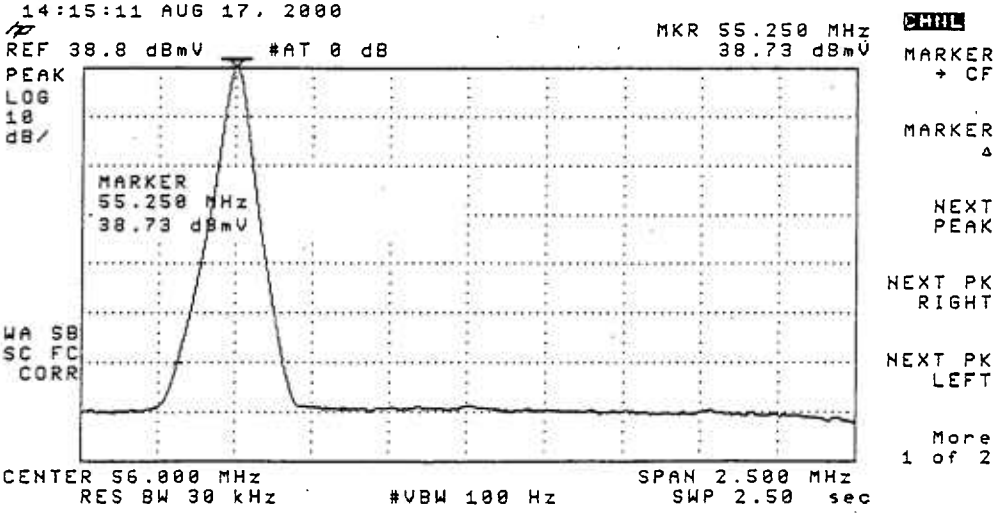

13:59:16 AUG 17, 2000
CHANNEL (STD)
REF -.7 dBmV
#AT 0 dB
MKR 368.520 MHz
-10.26 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
CENTER 369.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

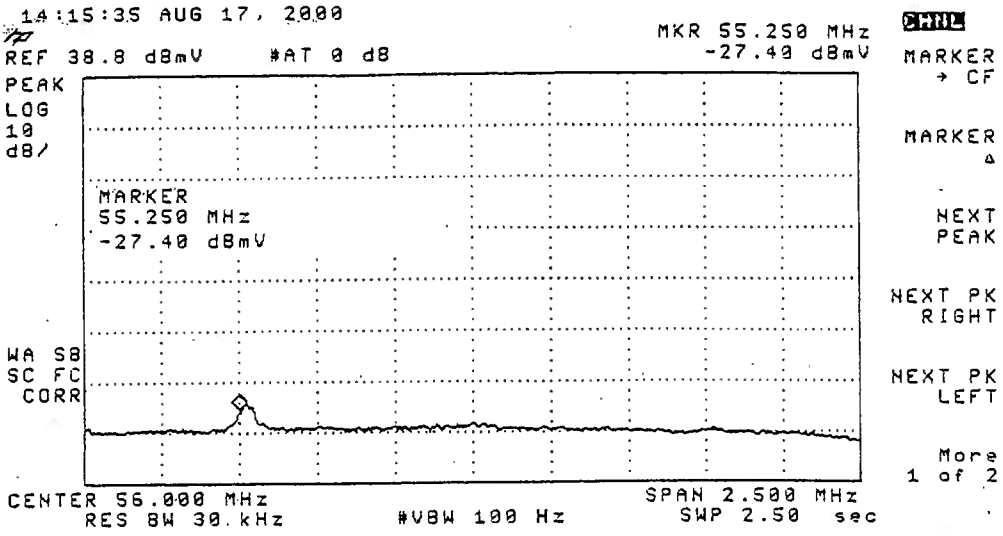

13:59:52 AUG 17, 2000
CHANNEL [redacted] (STD)
REF -.8 dBmV
#AT 0 dB
MKR 404.250 MHz
-10.63 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
CENTER 405.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


14:00:39 AUG 17, 2000
CHANNEL [redacted] (STD)
REF -3.7 dBmV
#AT 0 dB
MKR 470.100 MHz
-12.64 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
CENTER 471.090 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


14:14:23 AUG 17, 2000
REF 38.8 dBmV
#AT 0 dB
MKR Δ 363 kHz
-69.72 dB
PEAK
LOG
10
dB/
MARKER Δ
363 kHz
-69.72 dB
WA SB
SC FC
CORR
CENTER 56.000 MHz
SPAN 2.500 MHz
RES BW 30 kHz
#VBW 100 Hz
SWP 2.50 sec
CHNL
MARKER
NORMAL
MARKER
MARKER
AMPTD
SELECT
1 2 3 4
MARKER 1
ON OFF
More
1 of 2


14:14:51 AUG 17, 2000
REF 38.8 dBmV
#AT 0 dB
MKR Δ 750 kHz
-68.58 dB
PEAK
LOG
10
dB/
MARKER Δ
750 kHz
-68.58 dB
WA SB
SC FC
CORR
CENTER 56.000 MHz
SPAN 2.500 MHz
RES BW 30 kHz
#VBW 100 Hz
SWP 2.50 sec
CHNL
MARKER
NORMAL
MARKER
MARKER
AMPTD
SELECT
1 2 3 4
MARKER 1
ON OFF
More
1 of 2


14:15:11 AUG 17, 2000
REF 38.8 dBmV
#AT 0 dB
MKR 55.250 MHz
38.73 dBmV
PEAK
LOG
10
dB/
MARKER
55.250 MHz
38.73 dBmV
WA SB
SC FC
CORR
CENTER 56.000 MHz
SPAN 2.500 MHz
RES BW 30 kHz
#VBW 100 Hz
SWP 2.50 sec
CHNL
MARKER
→ CF
MARKER
Δ
NEXT
PEAK
NEXT PK
RIGHT
NEXT PK
LEFT
More
1 of 2


14:15:35 AUG 17, 2000
REF 38.8 dBmV
#AT 0 dB
MKR 55.250 MHz
-27.40 dBmV
CHNL
MARKER
→ CF
MARKER
Δ
NEXT
PEAK
NEXT PK
RIGHT
NEXT PK
LEFT
More
1 of 2
PEAK
LOG
10
dB/
MARKER
55.250 MHz
-27.40 dBmV
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec

Visual Carrier Level Variation Test 76.605 (a) 4

System Name: Time Warner - Syracuse

Test Point Location: Country Ln.

Date: Aug. 24-25, 2000 Performed by: P. Bellucci & Scott Williams

Meter Serial Number: 9210390

Chan	Freq. (MHz)	Temp °F				Max Variation	Chan	Freq. (MHz)	Temp °F				Max Variation
		75	73	69	66				75	73	69	66	
		Time							Time				
		09:25	15:20	21:25	03:24				09:25	15:20	21:25	03:24	
		Visual Level (dbmv)							Visual Level (dbmv)				
2	55.2500	13.9	13.4	14.0	14.4	1.0	AA	301.2625	15.2	14.2	15.2	15.5	1.3
3	61.2500	14.2	13.9	14.5	14.8	0.9	BB	307.2625	14.3	13.2	14.9	14.9	1.7
4	67.2500	13.6	13.1	14.0	14.1	1.0	CC	313.2625	14.7	14.0	14.9	15.1	1.1
5	77.2500	13.1	12.6	12.9	12.8	0.5	DD	319.2625	14.6	13.4	14.7	15.1	1.7
6	83.2500	12.7	12.2	12.9	13.0	0.8	EE	325.2625	14.9	14.4	15.0	15.3	0.9
							FF	331.2750	15.4	14.7	15.7	16.2	1.5
							GG	337.2625	15.3	14.2	15.5	15.5	1.3
A-5	91.2500						HH	343.2625	14.9	13.8	15.1	15.6	1.8
A-4	97.2500						II	349.2625	15.4	14.4	15.7	16.0	1.6
A-3	103.2500						JJ	355.2625	15.4	14.3	15.6	16.0	1.7
A-2	109.2750	11.9	11.4	12.0	11.9	0.6	KK	361.2625	14.7	14.2	15.1	15.7	1.5
A-1	115.2750	11.7	11.0	11.8	12.1	1.1	LL	367.2625	15.5	14.5	15.8	16.2	1.7
A	121.2625	11.2	10.5	11.4	11.6	1.1	MM	373.2625	15.5	14.5	15.6	15.9	1.4
B	127.2625	12.6	11.9	12.7	12.7	0.8	NN	379.2625	15.9	15.1	15.9	16.4	1.3
C	133.2625	12.4	11.9	12.3	12.9	1.0	OO	385.2625	15.1	14.5	15.7	16.0	1.5
D	139.2500	13.0	11.9	13.0	13.4	1.5	PP	391.2625	14.1	13.4	14.7	15.1	1.7
E	145.2500	12.9	12.2	13.0	13.6	1.4	QQ	397.2625	14.4	13.3	14.5	14.6	1.3
F	151.2500	13.0	12.6	13.4	13.8	1.2	RR	403.2500	15.1	13.8	15.4	15.7	1.9
G	157.2500	13.8	13.1	14.0	14.3	1.2	SS	409.2500	16.4	15.6	16.6	16.8	1.2
H	163.2500	13.8	13.2	14.1	14.1	0.9	TT	415.2500	15.0	14.9	16.0	15.0	1.1
I	169.2500	14.0	13.2	14.0	14.4	1.2	UU	421.2500	15.2	14.0	15.9	16.3	2.3
7	175.2500	14.3	13.6	14.6	14.8	1.2	VV	427.2500	13.8	13.1	14.3	14.3	1.2
8	181.2500	13.2	12.3	13.1	13.5	1.2	WW	433.2500	13.8	12.5	13.8	14.4	1.9
9	187.2500	14.0	13.5	14.1	14.4	0.9	XX	439.2500	13.4	12.3	13.7	14.0	1.7
10	193.2500	13.9	13.3	14.3	14.7	1.4	YY	445.2500	13.9	12.7	14.3	14.6	1.9
11	199.2500	14.0	12.8	14.3	14.4	1.6	ZZ	451.2500	12.9	11.5	13.2	13.2	1.7
12	205.2500	13.6	12.8	14.0	14.2	1.4	63	457.2500	13.4	12.5	12.9	14.3	1.8
13	211.2500	12.2	11.1	12.6	12.8	1.7	64	463.2500	13.1	12.3	13.4	13.9	1.6
J	217.2500	12.5	11.9	13.0	13.3	1.4	65	469.2500	13.6	12.5	13.8	14.0	1.5
K	223.2500	13.5	12.7	12.9	13.8	1.1	66	475.2500	13.6	11.5	12.6	12.1	2.1
L	229.2625	13.4	12.6	13.7	13.4	1.1	67	481.2500	12.7	12.2	13.5	14.4	2.2
M	235.2625	13.1	12.3	13.1	13.5	1.2	68	487.2500	12.2	11.8	13.0	13.8	2.0
N	241.2625	13.0	11.8	13.0	13.1	1.3	69	493.2500	12.6	11.5	12.7	13.3	1.8
O	247.2625	12.9	12.3	13.0	13.4	1.1	70	499.2500	12.1	11.8	13.5	14.2	2.4
P	253.2625	12.7	11.9	13.1	12.8	1.2	71	505.2500	12.7	10.0	13.0	13.2	3.2
Q	259.2625	12.5	11.8	12.9	13.2	1.4	72	511.2500	12.4	9.4	13.7	13.4	4.3
R	265.2625	13.3	12.0	12.9	13.9	1.9	73	517.2500	11.5	10.0	12.4	13.2	3.2
S	271.2625	12.8	11.9	13.1	13.2	1.3	74	523.2500	13.0	11.9	13.2	14.2	2.3
T	277.2625	13.7	12.9	14.0	13.9	1.1	75	529.2500	14.1	13.0	13.1	14.9	1.9
U	283.2625	13.1	12.2	13.0	13.6	1.4	76	535.2500	14.0	12.3	11.7	14.3	2.6
V	289.2625	13.8	12.8	13.9	14.2	1.4	77	541.2500	13.4	11.8	13.3	14.2	2.4
W	295.2625	13.9	13.0	14.1	14.6	1.6	78	547.2500	14.3	13.5	14.4	14.1	0.9

Max NonAdjacent Channel Level Diff.	6.2
Max Adjacent Channel Level Diff.	2.3

Max Variance from last proof-of-performance test	5
Date of last proof-of-performance test	Feb. 2000

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

TIME WARNER CABLE
SYRACUSE DIVISION

Proof-of-Performance Tests

System Name: Time Warner-Syracuse

System Test Point # 4

Location: Vanburen Rd.

Community: Baldwinsville

Pole Number: 40/131

D.T. Value: 20-4

Map Number: 14-19c

OR Number: 318

Trunk Cascade: 4 LE Cascade: 1

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

System Name: Time Warner - Syracuse

Test Location: Vanburen Rd.

Date: 24-Aug-00

Time: 09:38 AM

Chan	Freq. (MHz)	Visual Level (dbmv)	Aural Level (dbmv)	Scrat "S"	Diff. (Dbmv)	Chan	Freq. (MHz)	Visual Level (dbmv)	Aural Level (dbmv)	Scrat "S"	Diff. (Dbmv)
2	55.2500	14.7	0.9		13.8	AA	289.2625	15.8	2.7		13.1
3	61.2500	16.0	1.1		14.9	BB	307.2625	16.0	2.5		13.5
4	67.2500	15.8	0.3		15.5	CC	313.2625	16.7	2.4		14.3
5	77.2500	14.9	0.0		14.9	DD	319.2625	16.5	4.1		12.4
6	83.2500	14.5	-0.2		14.7	EE	325.2625	16.8	4.6		12.2
						FF	331.2750	17.3	3.5		13.8
						GG	337.2625	17.4	3.4		14.0
A-5	91.2500					HH	343.2625	17.2	2.9		14.3
A-4	97.2500					II	349.2625	17.3	3.4		13.9
A-3	103.2500					JJ	355.2625	17.2	3.0		14.2
A-2	109.2750	14.5	0.0		14.5	KK	361.2625	17.2	3.2		14.0
A-1	115.2750	14.0	0.2	S	13.8	LL	367.2625	17.1	3.2		13.9
A	121.2625	13.1	0.8		12.3	MM	373.2625	16.5	3.6		12.9
B	127.2625	14.0	1.1		12.9	NN	379.2625	16.9	3.3		13.6
C	133.2625	14.4	0.0		14.4	OO	385.2625	16.8	3.0		13.8
D	139.2500	14.6	0.3		14.3	PP	391.2625	16.4	2.0		14.4
E	145.2500	14.7	0.5		14.2	QQ	397.2625	16.2	1.9		14.3
F	151.2500	14.7	-0.5		15.2	RR	403.2500	16.4	2.2		14.2
G	157.2500	15.5	1.1		14.4	SS	409.2500	17.3	3.2		14.1
H	163.2500	15.0	1.0		14.0	TT	415.2500	15.8	1.1	S	14.7
I	169.2500	14.9	0.5		14.4	UU	421.2500	16.4	0.7	S	15.7
7	175.2500	14.9	0.9		14.0	VV	427.2500	15.3	0.7		14.6
8	181.2500	14.3	0.2		14.1	WW	433.2500	15.2	0.9		14.3
9	187.2500	15.5	1.9		13.6	XX	439.2500	15.6	1.6		14.0
10	193.2500	15.9	1.5		14.4	YY	445.2500	16.4	1.8		14.6
11	199.2500	15.0	-0.8		15.8	ZZ	451.2500	15.2	-0.2	S	15.4
12	205.2500	15.3	1.0		14.3	63	457.2500	15.2	1.2	S	14.0
13	211.2500	13.3	-0.9		14.2	64	463.2500	15.8	2.0	S	13.8
J	217.2500	14.1	0.1		14.0	65	469.2500	16.0	1.0		15.0
K	223.2500	14.7	0.3		14.4	66	475.2500	15.4	0.5	S	14.9
L	229.2625	14.6	0.4		14.2	67	481.2500	16.3	2.7	S	13.6
M	235.2625	14.4	0.0		14.4	68	487.2500	16.4	1.7	S	14.7
N	241.2625	14.2	0.2		14.0	69	493.2500	16.2	0.4	S	15.8
O	247.2625	14.2	0.3		13.9	70	499.2500	15.1	1.0	S	14.1
P	253.2625	14.7	0.2		14.5	71	505.2500	15.9	0.4	S	15.5
Q	259.2625	14.2	0.1		14.1	72	511.2500	14.8	0.1	S	14.7
R	265.2625	14.8	-0.5		15.3	73	517.2500	14.2	-1.1	S	15.3
S	271.2625	13.1	-1.2		14.3	74	523.2500	14.4	0.4	S	14.0
T	277.2625	13.6	0.0		13.6	75	529.2500	15.5	1.2		14.3
U	283.2625	14.0	0.1		13.9	76	535.2500	15.4	0.3	S	15.1
V	289.2625	14.6	0.3		14.3	77	541.2500	14.5	-0.9	S	15.4
W	283.2625	15.2	1.1		14.1	78	547.2500	15.8	-1.0	S	16.8

PEAK TO VALLEY: 4.3

IN CHANNEL RESPONSE Test

CARRIER - TO - NOISE Test

COHERENT DISTURBANCES Test

LOW FREQUENCY DISTURBANCES Test

System Name: Time Warner-Syracuse **Date:** August 2000

Test Performed By: Patrick Thrall

Location: Vanburen Rd.

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

Channel Number	In Channel Response	Carrier To Noise Ratio	Distortions (-dBc)			[illegible]
	(+/- dB)	(dB)	CTB	CSO	XMOD	(%)
2	0.7	50.1	63.9	69.7	71.5	0.6
A	0.4	49.1	62.3	66.7		
H	1.0	49.7	60.7	68.3		
8	1.0	49.3	58.1	69.0		
T	0.7	47.6	57.2	65.7		
CC	0.5	47.4	57.8	66.0		
LL	0.3	49.3	57.4	67.1		
RR	0.4	48.3	57	66.5		
CCC	0.6	47.7	57	63.5		

Time Warner Cable
Syracuse Division

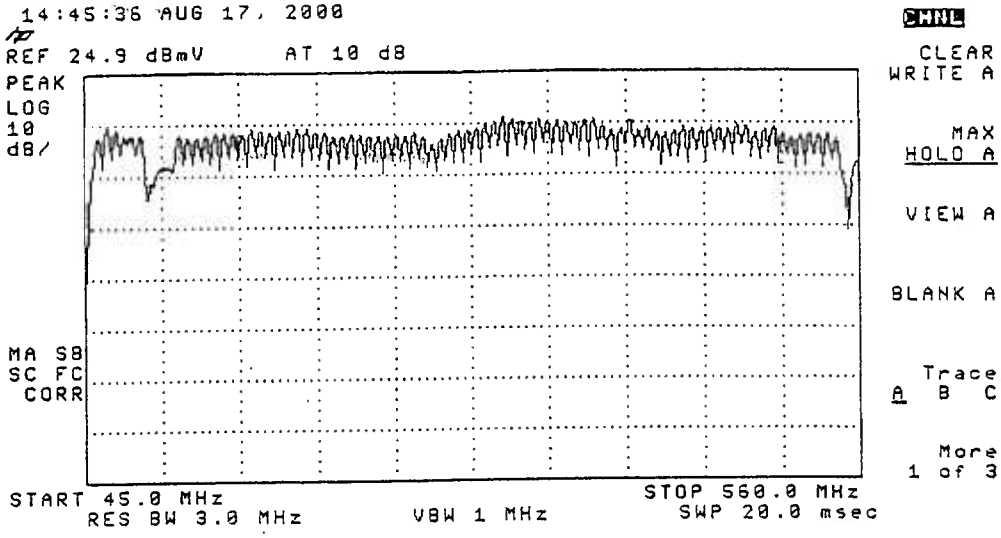
IN - CHANNEL FREQUENCY RESPONSE TEST

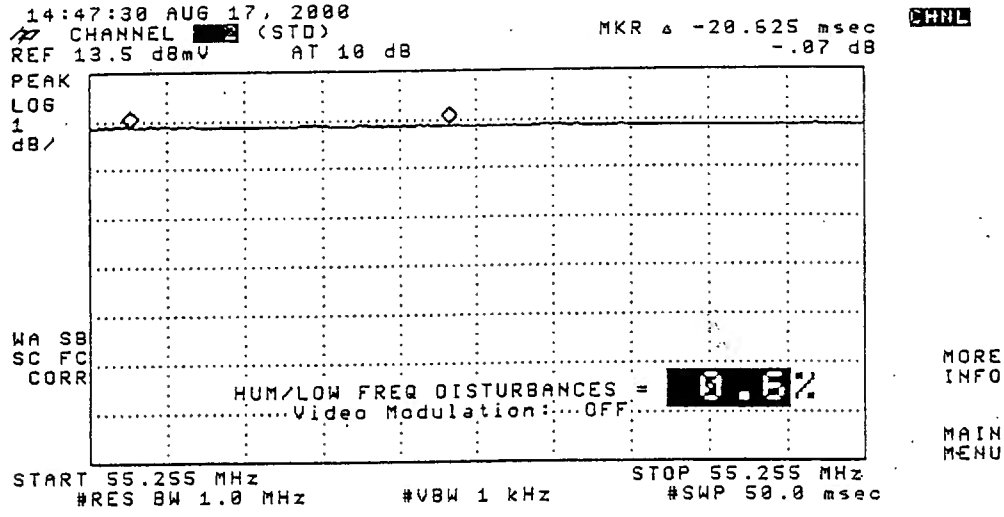
(76.605 (a) 6)

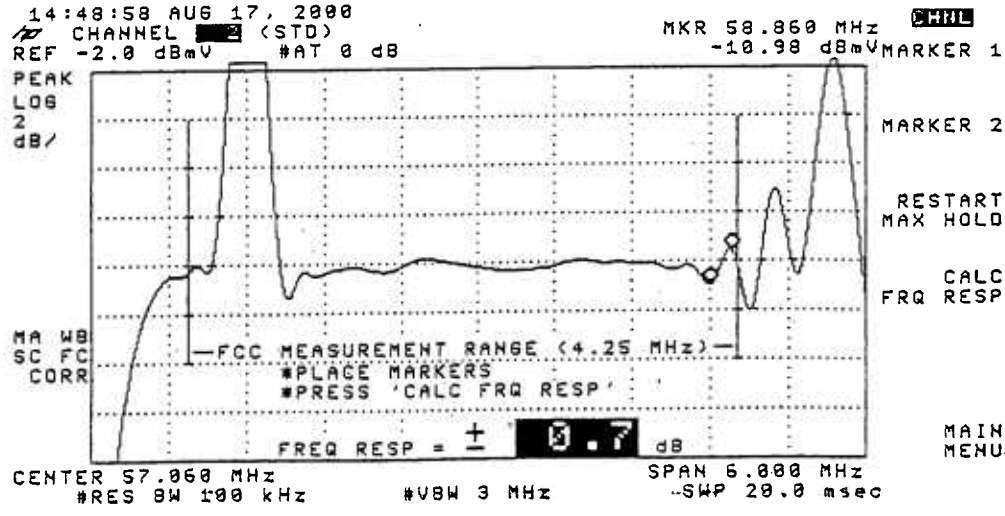
System Name: Time Warner-Syracuse Date: August 2000

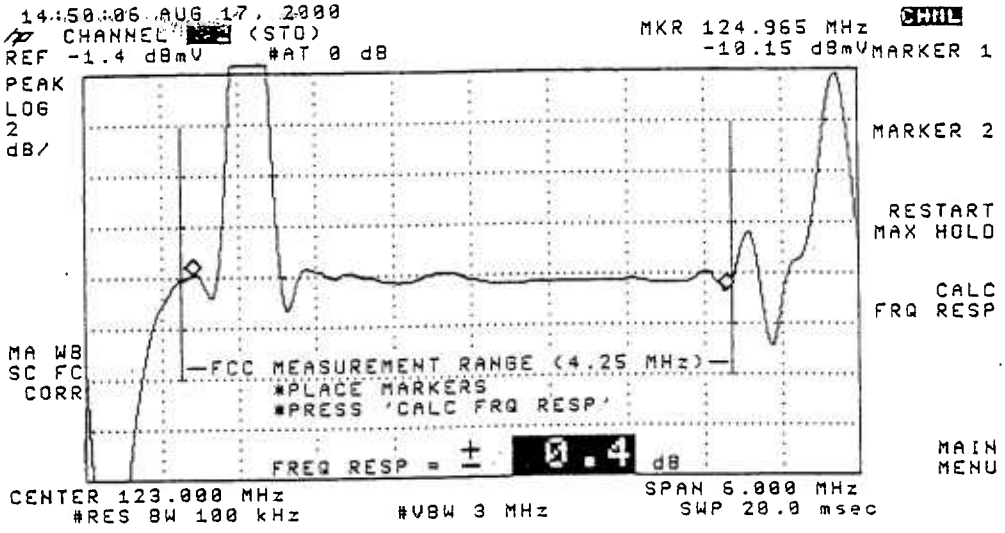
Test Performed By Pat Thrall Location: Vanburen Rd.

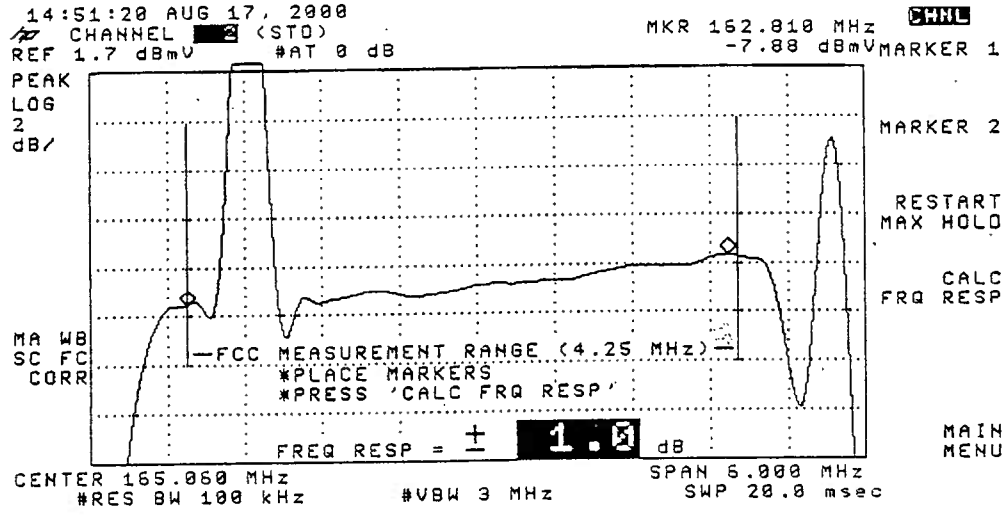
(SEE THE ATTATCHED SWEEP TRACES)

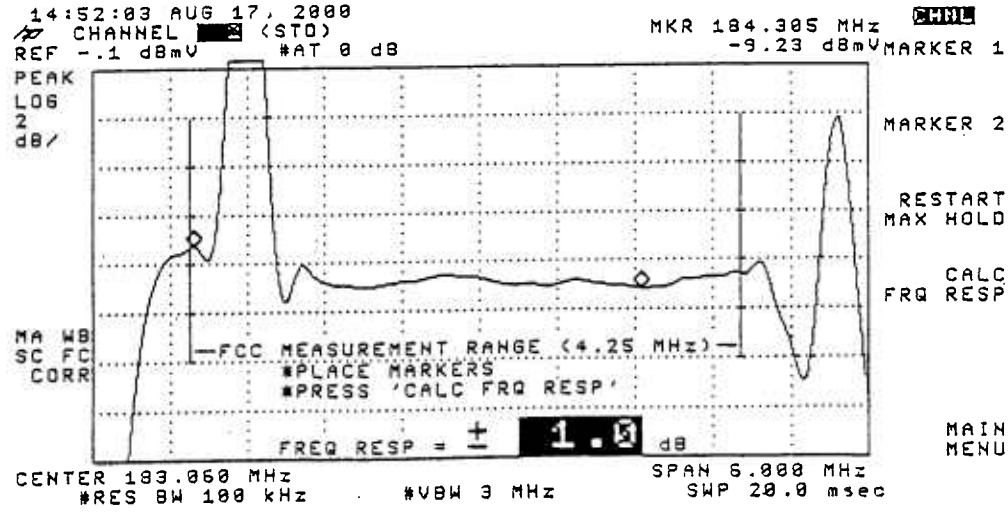

14:45:36 AUG 17, 2000
REF 24.9 dBmV
AT 10 dB
PEAK
LOG
10
dB/
MA SB
SC FC
CORR
START 45.0 MHz
RES BW 3.0 MHz
VBW 1 MHz
STOP 560.0 MHz
SWP 20.0 msec
CHNL
CLEAR
WRITE A
MAX
HOLD A
VIEW A
BLANK A
Trace
A B C
More
1 of 3

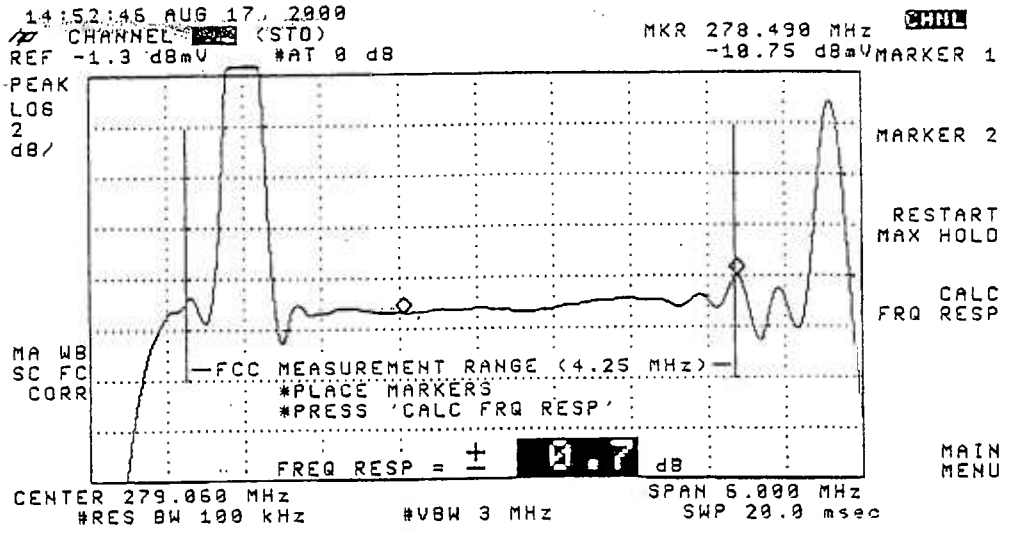

14:47:30 AUG 17, 2000
CHANNEL 2 (STD)
REF 13.5 dBmV
AT 10 dB
MKR Δ -20.625 msec
-.07 dB
PEAK
LOG
1
dB/
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = 0.6%
Video Modulation: OFF
START 55.255 MHz
#RES BW 1.0 MHz
#VBW 1 kHz
STOP 55.255 MHz
#SWP 50.0 msec
CHNL
MORE
INFO
MAIN
MENU

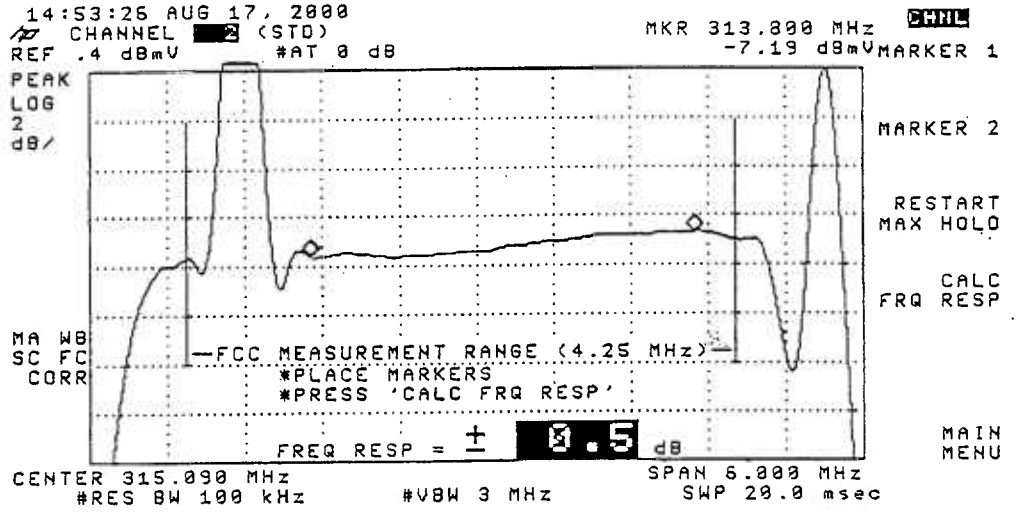

14:48:58 AUG 17, 2000
CHANNEL 2 (STD)
REF -2.0 dBmV
#AT 0 dB
MKR 58.860 MHz
-10.98 dBmV
PEAK
LOG
2
dB/
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.7 dB
CENTER 57.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
#SWP 20.0 msec
CHNL
MARKER 1
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MAIN
MENU

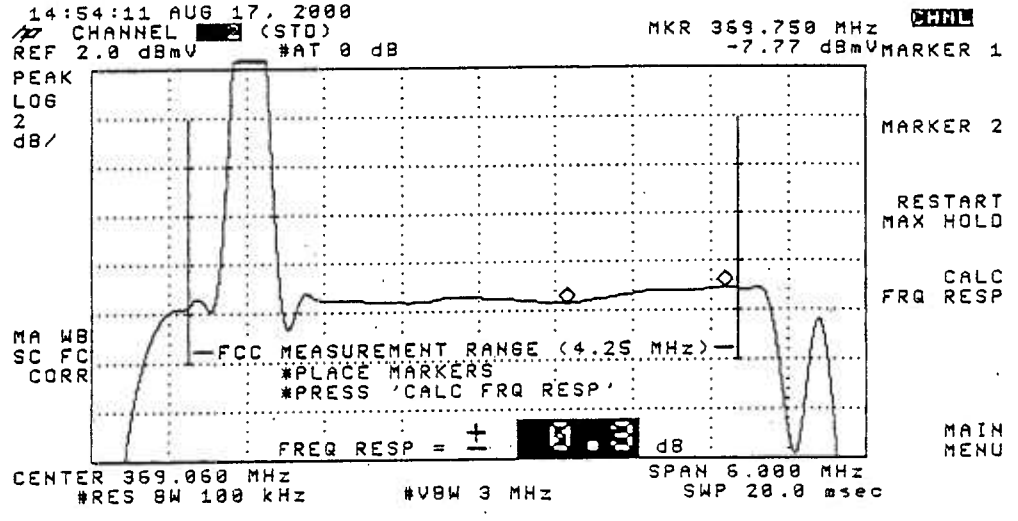

14:50:06 AUG 17, 2000
CHANNEL (STO)
REF -1.4 dBmV
#AT 0 dB
MKR 124.965 MHz
-10.15 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
CENTER 123.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

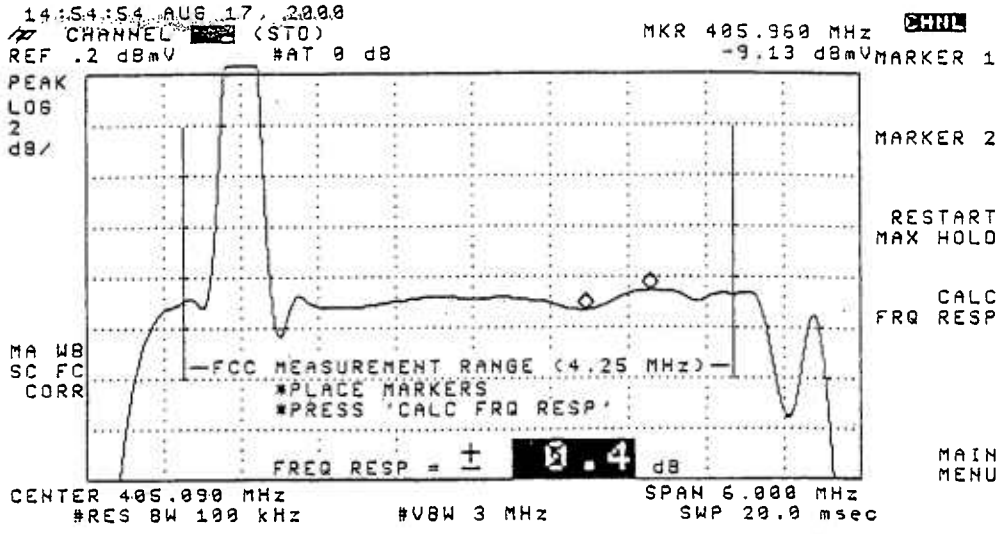

14:51:20 AUG 17, 2000
CHANNEL (STO)
REF 1.7 dBmV
#AT 0 dB
MKR 162.810 MHz
-7.88 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 1.0 dB
MAIN
MENU
CENTER 165.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

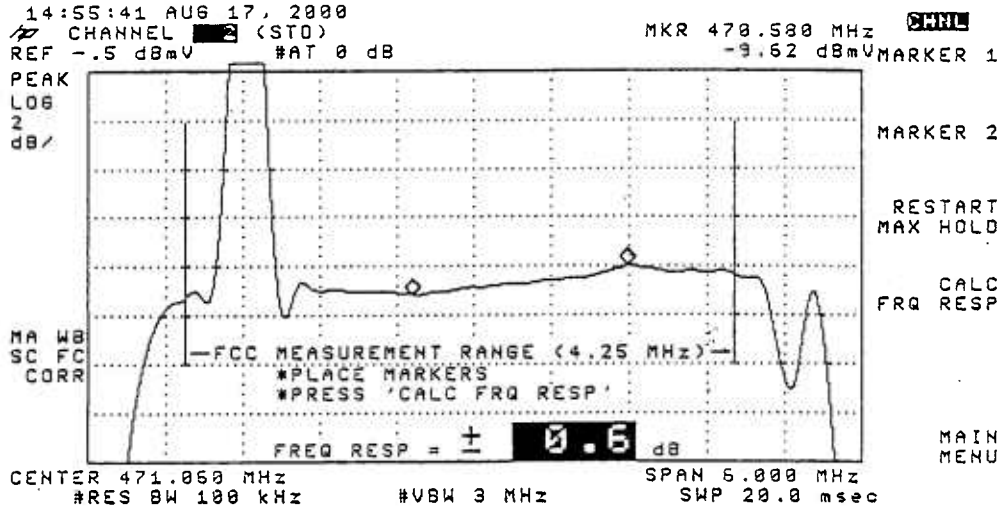

14:52:03 AUG 17, 2000
CHANNEL (STO)
REF -.1 dBmV
#AT 0 dB
MKR 184.305 MHz
-9.23 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 1.0 dB
MAIN
MENU
CENTER 183.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

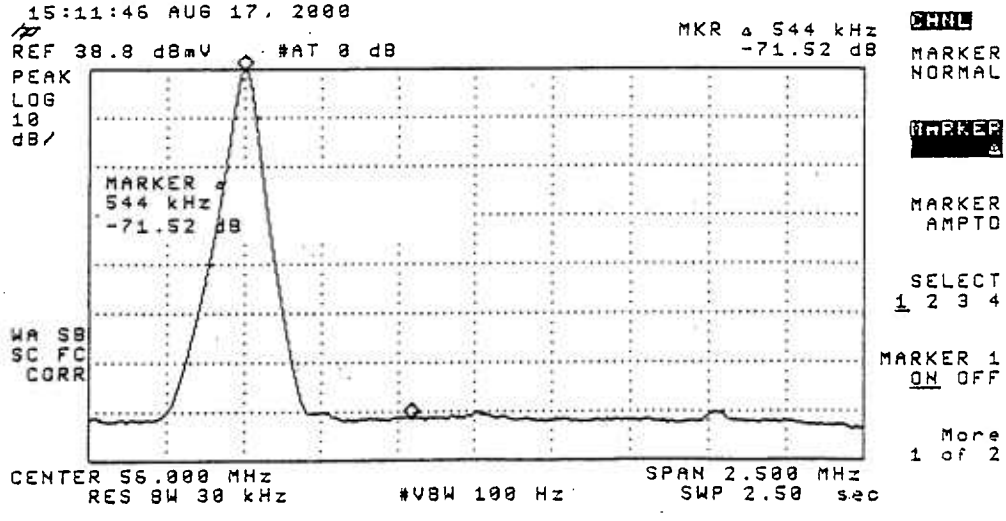

14:52:46 AUG 17, 2000
CHANNEL 2 (STD)
REF -1.3 dBmV
#AT 0 dB
MKR 278.490 MHz
-10.75 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.7 dB
MAIN
MENU
CENTER 279.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

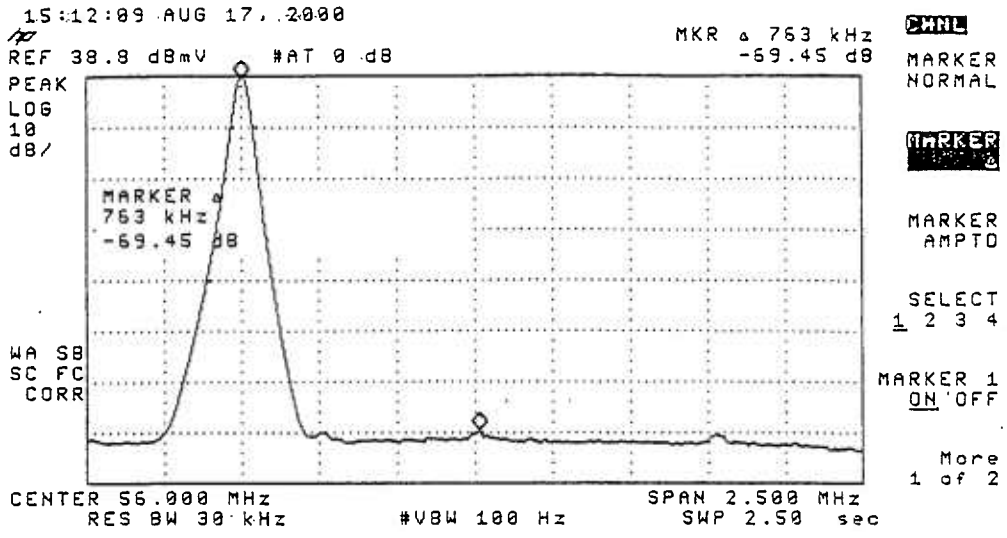

14:53:26 AUG 17, 2000
CHANNEL 2 (STD)
REF .4 dBmV
#AT 0 dB
MKR 313.800 MHz
-7.19 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
CENTER 315.090 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

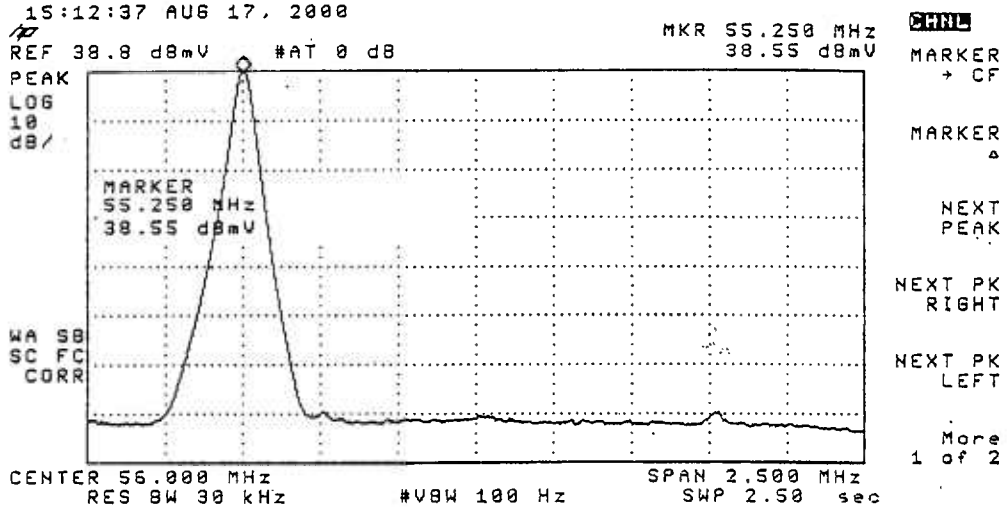

14:54:11 AUG 17, 2000
CHANNEL 2 (STD)
REF 2.0 dBmV
#AT 0 dB
MKR 369.750 MHz
-7.77 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
CENTER 369.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

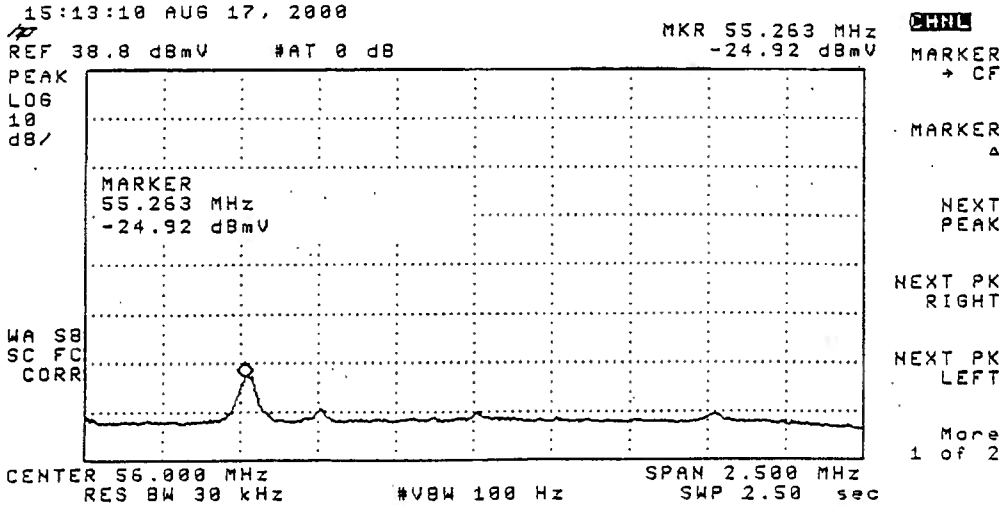

14:54:54 AUG 17, 2000
CHANNEL 2 (STO)
REF .2 dBmV
#AT 0 dB
MKR 405.960 MHz
-9.13 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
CENTER 405.090 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


14:55:41 AUG 17, 2000
CHANNEL 2 (STO)
REF -.5 dBmV
#AT 0 dB
MKR 470.580 MHz
-9.62 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 = ± 0.6 dB
MAIN
MENU
CENTER 471.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


15:11:46 AUG 17, 2000
REF 38.8 dBmV
#AT 0 dB
MKR Δ 544 kHz
-71.52 dB
CHNL
MARKER
NORMAL
PEAK
LOG
10
dB/
MARKER
Δ
MARKER Δ
544 kHz
-71.52 dB
MARKER
AMPTD
SELECT
1 2 3 4
WA SB
SC FC
CORR
MARKER 1
ON OFF
More
1 of 2
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec


15:12:09 AUG 17, 2000
REF 38.8 dBmV
#AT 0 dB
MKR Δ 763 kHz
-69.45 dB
PEAK
LOG
10
dB/
MARKER Δ
763 kHz
-69.45 dB
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec
CHNL
MARKER
NORMAL
MARKER Δ
MARKER
AMPTD
SELECT
1 2 3 4
MARKER 1
ON OFF
More
1 of 2


15:12:37 AUG 17, 2000
REF 38.8 dBmV
#AT 0 dB
MKR 55.250 MHz
38.55 dBmV
PEAK
LOG
10
dB/
MARKER
55.250 MHz
38.55 dBmV
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec
CHNL
MARKER
→ CF
MARKER
Δ
NEXT
PEAK
NEXT PK
RIGHT
NEXT PK
LEFT
More
1 of 2


15:13:10 AUG 17, 2000
REF 38.8 dBmV
#AT 0 dB
MKR 55.263 MHz
-24.92 dBmV
PEAK
LOG
10
dB/
MARKER
55.263 MHz
-24.92 dBmV
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec
CHNL
MARKER
→ CF
MARKER
Δ
NEXT
PEAK
NEXT PK
RIGHT
NEXT PK
LEFT
More
1 of 2

Visual Carrier Level Variation Test 76.605 (a) 4

System Name: Time Warner-Syracuse

Test Point Location: Vanburen Rd.

Date: Aug 24-25, 2000 Performed by: P. Bellucci & Scott Williams

Meter Serial Number: 9210390

Chan	Freq. (MHz)	Temp °F 76 / Time 09:38 Visual Level (dbmv)	Temp °F 74 / Time 15:36 Visual Level (dbmv)	Temp °F 68 / Time 21:43 Visual Level (dbmv)	Temp °F 66 / Time 03:40 Visual Level (dbmv)	Max Variation	Chan	Freq. (MHz)	Temp °F 76 / Time 09:38 Visual Level (dbmv)	Temp °F 74 / Time 15:36 Visual Level (dbmv)	Temp °F 68 / Time 21:43 Visual Level (dbmv)	Temp °F 66 / Time 03:40 Visual Level (dbmv)	Max Variation
2	55.2500	14.7	13.7	14.9	15.3	1.6	AA	301.2625	15.8	14.7	16.1	16.6	1.9
3	61.2500	16.0	15.0	16.2	16.7	1.7	BB	307.2625	16.0	15.2	16.3	16.9	1.7
4	67.2500	15.8	15.0	15.9	16.2	1.2	CC	313.2625	16.7	15.3	16.9	17.4	2.1
5	77.2500	14.9	14.0	15.0	15.7	1.7	DD	319.2625	17.1	16.0	17.6	17.8	1.8
6	83.2500	14.5	13.6	14.6	15.3	1.7	EE	325.2625	17.5	16.7	18.1	18.4	1.7
							FF	331.2750	18.2	16.9	18.6	18.8	1.9
							GG	337.2625	17.8	16.4	18.2	18.3	1.9
A-5	91.2500						HH	343.2625	17.2	16.1	17.7	18.0	1.9
A-4	97.2500						II	349.2625	17.8	16.7	18.3	18.5	1.8
A-3	103.2500						JJ	355.2625	17.2	15.9	17.6	18.0	2.1
A-2	109.2750	14.5	13.3	14.7	14.8	1.5	KK	361.2625	17.7	16.6	18.2	18.5	1.9
A-1	115.2750	14.0	13.1	14.3	14.6	1.5	LL	367.2625	17.6	16.4	18.0	18.3	1.9
A	121.2625	13.1	12.4	13.7	13.9	1.5	MM	373.2625	17.9	16.6	18.5	18.6	2.0
B	127.2625	14.0	13.2	14.5	14.8	1.6	NN	379.2625	17.3	16.4	17.9	18.5	2.1
C	133.2625	14.4	13.5	14.7	15.2	1.7	OO	385.2625	17.4	16.3	18.0	18.3	2.0
D	139.2500	14.6	13.4	14.8	15.4	2.0	PP	391.2625	16.4	15.3	17.1	17.4	2.1
E	145.2500	14.7	14.0	15.1	15.5	1.5	QQ	397.2625	16.2	15.1	16.7	17.0	1.9
F	151.2500	14.7	14.2	15.3	15.8	1.6	RR	403.2500	16.4	15.3	17.1	17.4	2.1
G	157.2500	15.5	14.6	15.8	16.2	1.6	SS	409.2500	17.6	16.1	18.2	18.5	2.4
H	163.2500	15.0	14.1	15.6	16.0	1.9	TT	415.2500	15.8	14.7	15.9	15.8	1.2
I	169.2500	14.9	13.4	15.2	15.6	2.2	UU	421.2500	16.4	14.8	17.0	17.4	2.6
7	175.2500	14.9	13.8	15.2	15.6	1.8	VV	427.2500	15.3	13.9	15.9	16.4	2.5
8	181.2500	14.3	13.2	14.1	14.7	1.5	WW	433.2500	15.2	14.0	15.4	16.0	2.0
9	187.2500	15.5	14.5	15.6	16.0	1.5	XX	439.2500	15.6	14.4	16.0	16.3	1.9
10	193.2500	15.9	15.0	16.3	16.7	1.7	YY	445.2500	16.4	15.1	17.0	17.2	2.1
11	199.2500	15.0	13.9	15.4	15.8	1.9	ZZ	451.2500	15.2	13.6	15.6	16.4	2.8
12	205.2500	15.3	14.3	15.5	15.9	1.6	63	457.2500	15.2	14.2	16.6	16.6	2.4
13	211.2500	13.3	12.4	13.8	14.1	1.7	64	463.2500	15.8	14.5	16.8	17.0	2.5
J	217.2500	14.1	13.1	14.3	15.1	2.0	65	469.2500	16.0	14.7	16.7	16.8	2.1
K	223.2500	14.7	13.6	15.1	15.7	2.1	66	475.2500	15.4	14.3	16.0	16.6	2.3
L	229.2625	14.6	13.6	15.0	15.3	1.7	67	481.2500	16.3	15.0	16.7	17.6	2.6
M	235.2625	14.4	13.4	14.8	15.2	1.8	68	487.2500	16.4	15.0	16.5	17.1	2.1
N	241.2625	14.2	13.4	14.9	15.3	1.9	69	493.2500	16.2	14.7	16.8	16.9	2.2
O	247.2625	14.2	13.3	14.8	15.1	1.8	70	499.2500	15.1	15.0	16.5	16.5	1.5
P	253.2625	14.7	13.6	15.1	15.6	2.0	71	505.2500	15.9	13.8	16.4	16.9	3.1
Q	259.2625	14.2	13.4	14.8	15.3	1.9	72	511.2500	14.8	13.1	15.5	15.7	2.6
R	265.2625	14.8	13.4	15.2	15.7	2.3	73	517.2500	14.2	12.5	15.0	15.2	2.7
S	271.2625	12.3	11.8	13.5	13.5	1.7	74	523.2500	14.4	13.3	15.4	15.9	2.6
T	277.2625	13.6	11.9	13.5	14.1	2.2	75	529.2500	15.5	14.2	16.4	16.5	2.3
U	283.2625	14.0	12.9	14.3	14.8	1.9	76	535.2500	15.4	13.6	15.8	16.6	3.0
V	289.2625	14.6	13.5	15.0	15.0	1.5	77	541.2500	14.5	12.8	15.6	15.2	2.8
W	295.2625	15.2	14.1	15.4	16.1	2.0	78	547.2500	15.8	14.2	16.6	16.2	2.4

Max NonAdjacent Channel Level Diff.	5.9
Max Adjacent Channel Level Diff.	2.7

Max Variance from last proof-of-performance test	6.7
Date of last proof-of-performance test	Feb 2000

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

TestPoint 4 Page 5 of 5

TIME WARNER CABLE
SYRACUSE DIVISION

Proof-of-Performance Tests

System Name: Time Warner-Syracuse

System Test Point # 5

Location: Brickyard Rd.

Community: Warners

Pole Number: NYT-7

D.T. Value: 14-2

Map Number: 18-19a

OR Number: 214

Trunk Cascade: 5 LE Cascade: 1

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

System Name: Time Warner - Syracuse

Test Location: Brickyard Rd.

Date: 24-Aug-00

Time: 09:47 AM

Chan	Freq. (MHz)	Visual Level (dbmv)	Aural Level (dbmv)	Scra "S"	Diff. (Dbmv)	Chan	Freq. (MHz)	Visual Level (dbmv)	Aural Level (dbmv)	Scra "S"	Diff. (Dbmv)
2	55.2500	12.3	-1.2		13.5	AA	289.2625	10.7	-2.3		13.0
3	61.2500	12.9	-1.4		14.3	BB	307.2625	10.0	-3.3		13.3
4	67.2500	13.0	-1.9		14.9	CC	313.2625	10.1	-3.9		14.0
5	77.2500	12.3	-2.1		14.4	DD	319.2625	10.8	-1.8		12.6
6	83.2500	12.1	-2.9		15.0	EE	325.2625	11.0	-1.7		12.7
						FF	331.2750	11.6	-2.4		14.0
						GG	337.2625	11.4	-2.5		13.9
A-5	91.2500					HH	343.2625	11.0	-3.0		14.0
A-4	97.2500					II	349.2625	11.5	-2.6		14.1
A-3	103.2500					JJ	355.2625	11.2	-3.1		14.3
A-2	109.2750	10.9	-3.4		14.3	KK	361.2625	11.4	-2.6		14.0
A-1	115.2750	11.0	-3.4	S	14.4	LL	367.2625	11.3	-2.3		13.6
A	121.2625	9.9	-2.0		11.9	MM	373.2625	11.9	-2.4		14.3
B	127.2625	11.0	-2.1		13.1	NN	379.2625	11.5	-2.2		13.7
C	133.2625	10.4	-3.6		14.0	OO	385.2625	11.6	-2.5		14.1
D	139.2500	10.5	-3.2		13.7	PP	391.2625	11.2	-3.1		14.3
E	145.2500	10.7	-2.9		13.6	QQ	397.2625	10.9	-3.3		14.2
F	151.2500	11.0	-3.7		14.7	RR	403.2500	11.2	-3.1		14.3
G	157.2500	11.5	-2.2		13.7	SS	409.2500	11.6	-1.8		13.4
H	163.2500	11.1	-2.6		13.7	TT	415.2500	10.5	-4.3	S	14.8
I	169.2500	11.1	-3.6		14.7	UU	421.2500	11.1	-4.9	S	16.0
7	175.2500	10.9	-3.7		14.6	VV	427.2500	10.0	-4.1		14.1
8	181.2500	9.6	-4.1		13.7	WW	433.2500	9.9	-4.1		14.0
9	187.2500	10.7	-2.8		13.5	XX	439.2500	10.2	-3.8		14.0
10	193.2500	11.0	-2.9		13.9	YY	445.2500	10.4	-3.7		14.1
11	199.2500	11.0	-3.5		14.5	ZZ	451.2500	9.1	-5.9	S	15.0
12	205.2500	10.4	-3.9		14.3	63	457.2500	9.6	-4.5	S	14.1
13	211.2500	10.1	-4.4		14.5	64	463.2500	9.9	-4.3	S	14.2
J	217.2500	10.1	-4.8		14.9	65	469.2500	10.6	-4.2		14.8
K	223.2500	9.5	-4.6		14.1	66	475.2500	10.5	-4.8	S	15.3
L	229.2625	9.5	-4.1		13.6	67	481.2500	10.9	-2.8	S	13.7
M	235.2625	9.3	-4.8		14.1	68	487.2500	10.8	-3.5	S	14.3
N	241.2625	9.3	-4.9		14.2	69	493.2500	10.8	-4.5	S	15.3
O	247.2625	8.7	-4.8		13.5	70	499.2500	11.0	-3.8	S	14.8
P	253.2625	9.1	-4.9		14.0	71	505.2500	10.5	-4.2	S	14.7
Q	259.2625	9.1	-4.8		13.9	72	511.2500	10.9	-3.3	S	14.2
R	265.2625	9.2	-4.6		13.8	73	517.2500	11.1	-4.4	S	15.5
S	271.2625	8.7	-4.3		13.0	74	523.2500	11.4	-4.0	S	15.4
T	277.2625	9.5	-4.1		13.6	75	529.2500	11.9	-2.2		14.1
U	283.2625	9.6	-4.3		13.9	76	535.2500	11.6	-2.7	S	14.3
V	289.2625	9.7	-4.3		14.0	77	541.2500	11.4	-3.2	S	14.6
W	283.2625	10.1	-3.9		14.0	78	547.2500	13.5	-2.6	S	16.1

PEAK TO VALLEY: 4.3

IN CHANNEL RESPONSE Test

CARRIER - TO - NOISE Test

COHERENT DISTURBANCES Test

LOW FREQUENCY DISTURBANCES Test

System Name: Time Warner-Syracuse Date: August 2000

Test Performed By: Patrick Thrall

Location: Brickyard Rd.

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

Channel Number	In Channel Response	Carrier To Noise Ratio	Distortions (-dBc)			HUM
	(+/- dB)	(dB)	CTB	CSO	XMOD	(%)
2	0.8	51.1	71.6	70.1	72.5	0.4
A	0.6	50.1	70.0	69.6		
H	0.8	49.7	70.2	70.0		
8	1.0	49.6	70.1	69.6		
T	0.6	49.8	69.2	68.7		
CC	0.5	49.4	67.1	68.3		
LL	0.4	49.2	67.4	68.0		
RR	0.4	49.5	66.9	68.2		
CCC	0.7	48.3	66.1	66.6		

Time Warner Cable
Syracuse Division

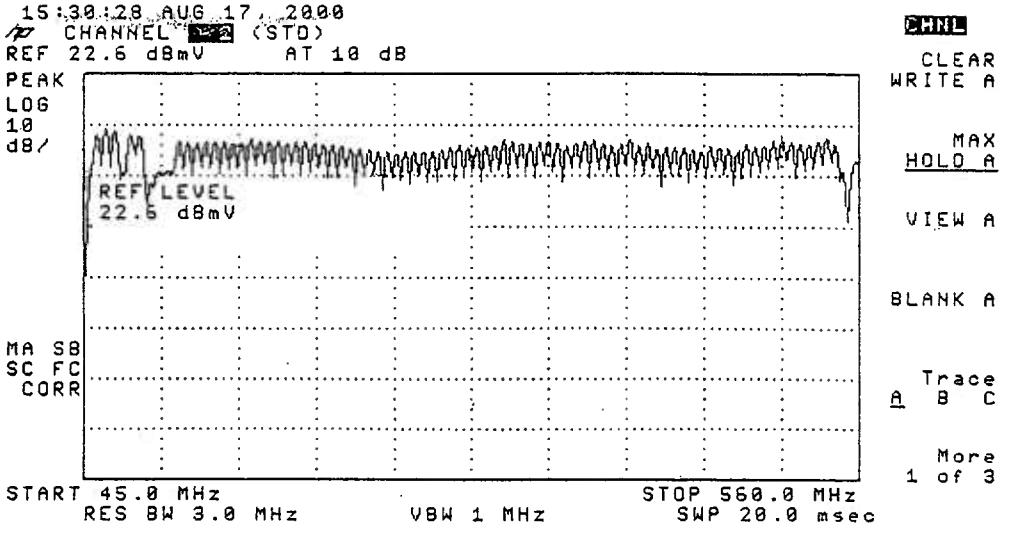
IN - CHANNEL FREQUENCY RESPONSE TEST

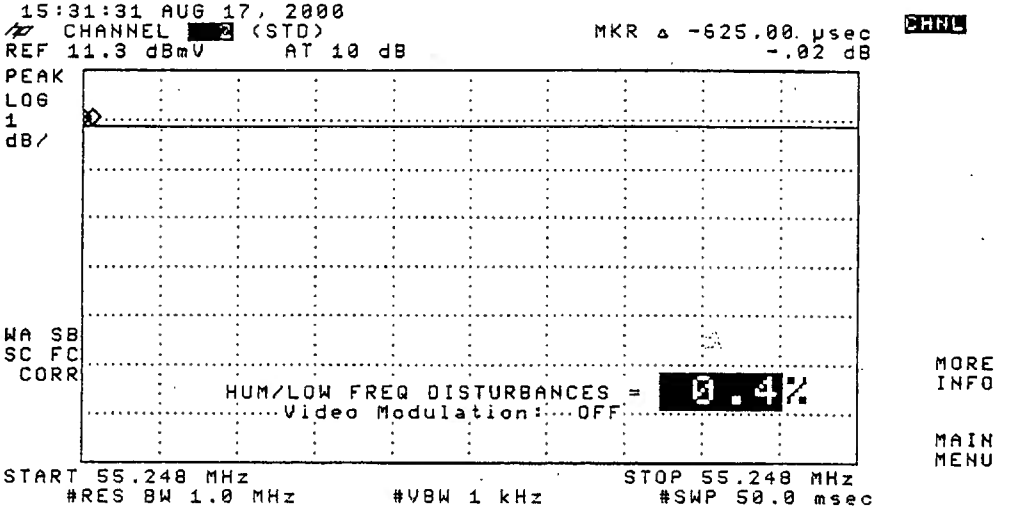
(76.605 (a) 6)

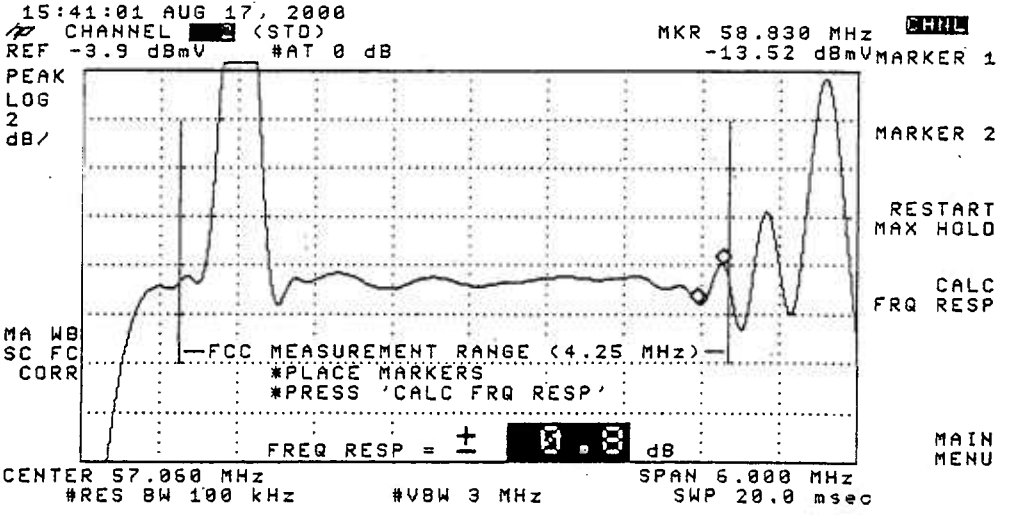
System Name: Time Warner-Syracuse Date: August 2000

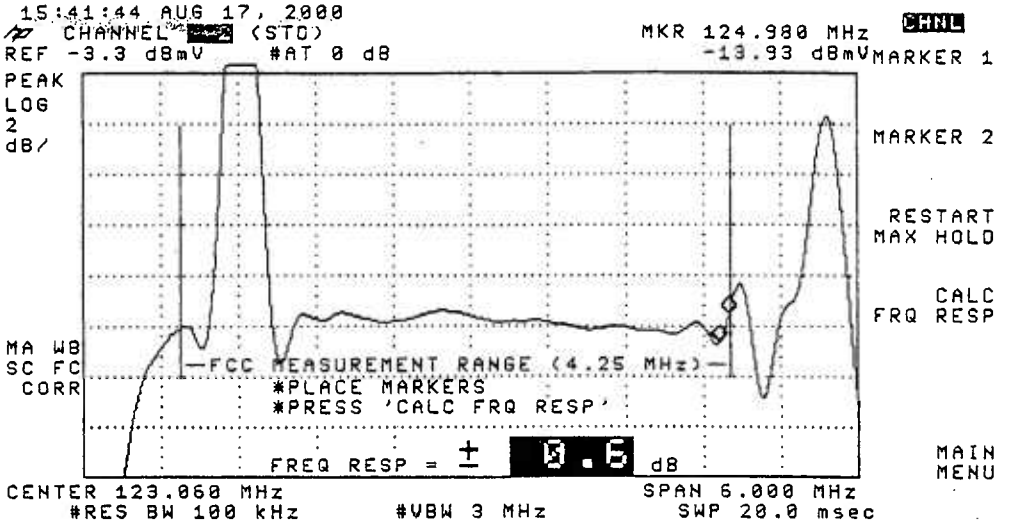
Test Performed By: Pat Thrall Location: Brickyard Rd.

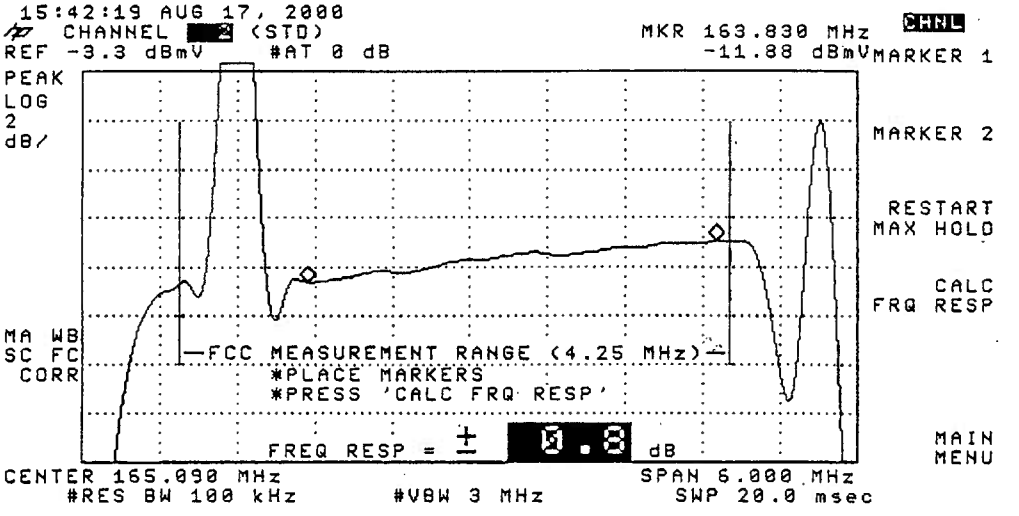
(SEE THE ATTATCHED SWEEP TRACES)

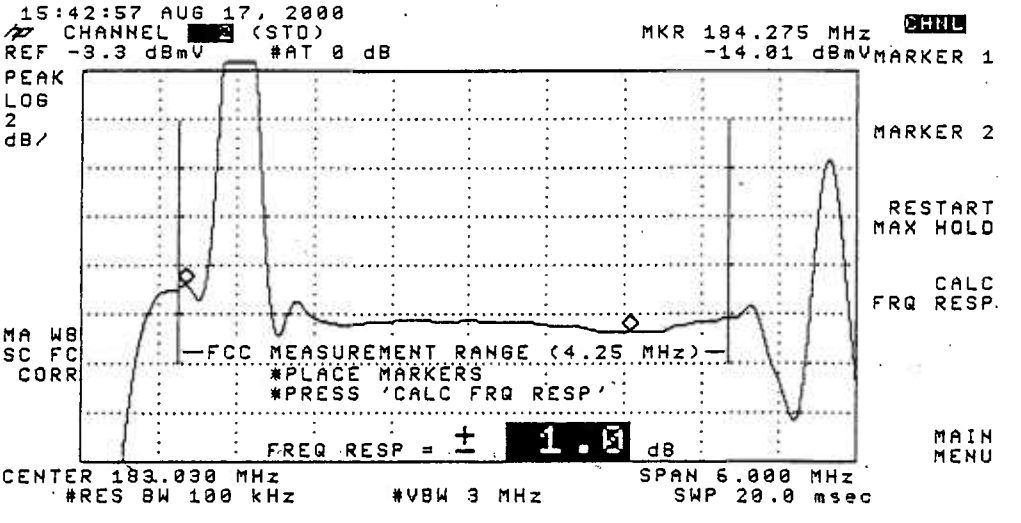

15:30:28 AUG 17, 2000
CHANNEL 2 (STD)
REF 22.6 dBmV
AT 10 dB
CHNL
PEAK
LOG
10
dB/
REF LEVEL
22.6 dBmV
CLEAR
WRITE A
MAX
HOLD A
VIEW A
BLANK A
MA SB
SC FC
CORR
Trace
A B C
More
1 of 3
START 45.0 MHz
STOP 560.0 MHz
RES BW 3.0 MHz
VBW 1 MHz
SWP 20.0 msec

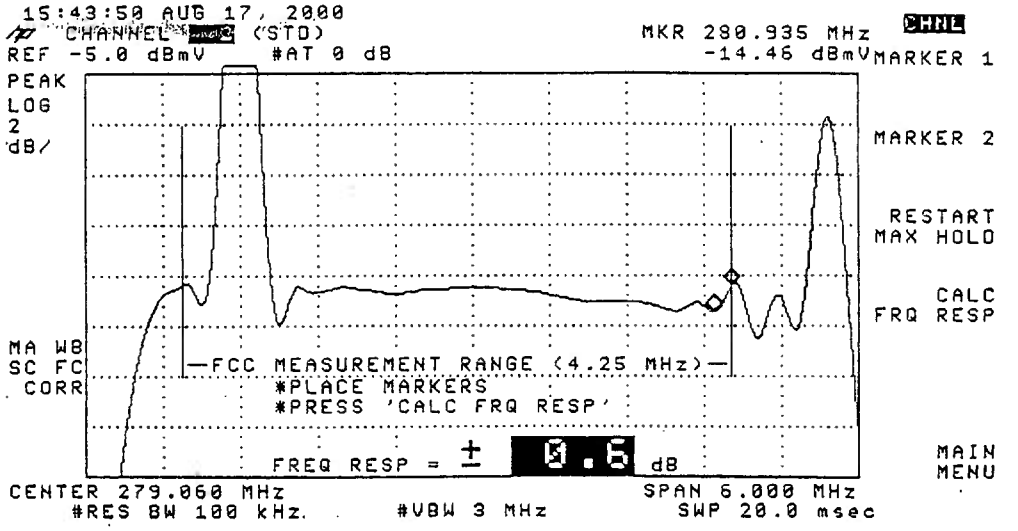

15:31:31 AUG 17, 2000
CHANNEL 2 (STD)
REF 11.3 dBmV
AT 10 dB
MKR Δ -625.00 µsec
-.02 dB
CHNL
PEAK
LOG
1
dB/
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = 0.4%
Video Modulation: OFF
MORE
INFO
MAIN
MENU
START 55.248 MHz
STOP 55.248 MHz
#RES BW 1.0 MHz
#VBW 1 kHz
#SWP 50.0 msec

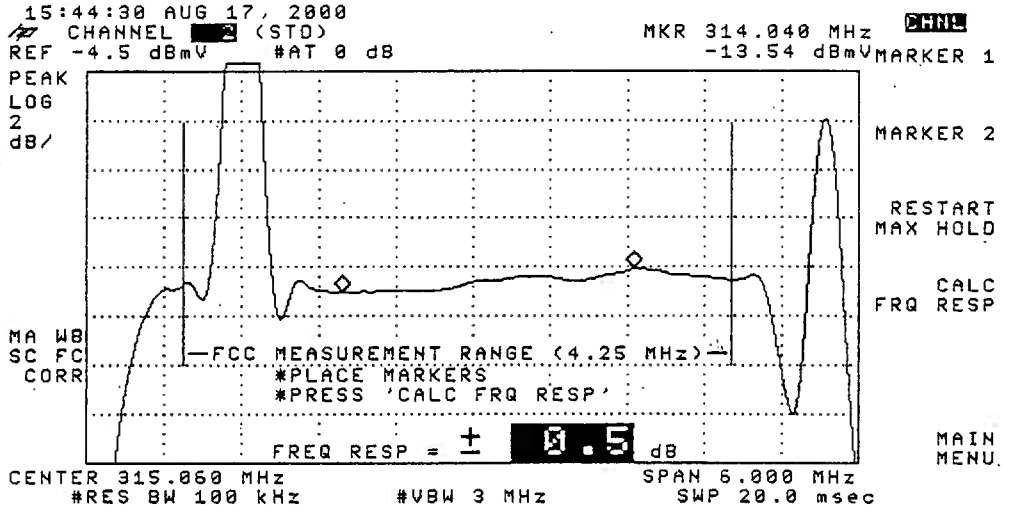

15:41:01 AUG 17, 2000
CHANNEL 2 (STD)
REF -3.9 dBmV
#AT 0 dB
MKR 58.930 MHz
-13.52 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.8 dB
MAIN
MENU
CENTER 57.060 MHz
SPAN 6.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec

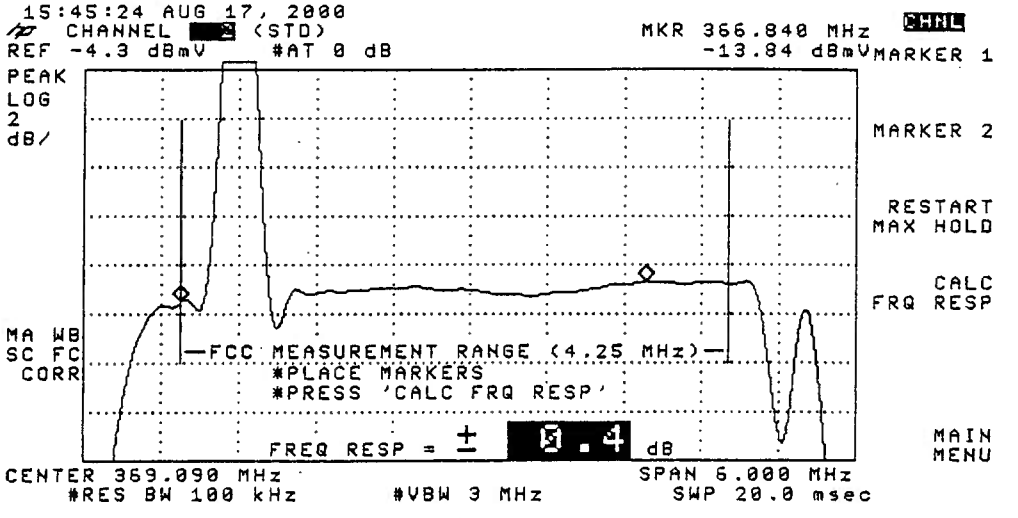

15:41:44 AUG 17, 2000
CHANNEL 2 (STD)
REF -3.3 dBmV
#AT 0 dB
MKR 124.980 MHz
-13.93 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.6 dB
MAIN
MENU
CENTER 123.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

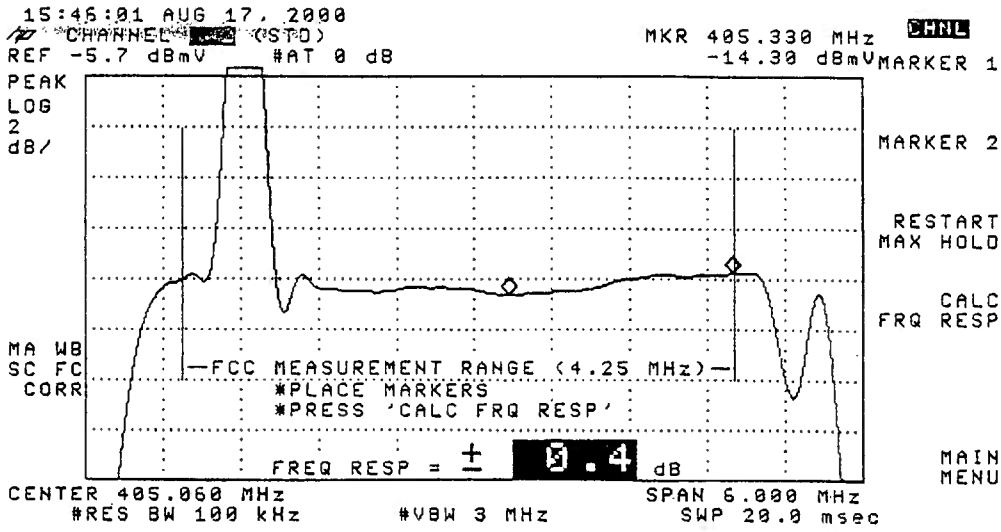

15:42:19 AUG 17, 2000
CHANNEL 2 (STD)
REF -3.3 dBmV
#AT 0 dB
MKR 163.830 MHz
-11.88 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.8 dB
MAIN
MENU
CENTER 165.090 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

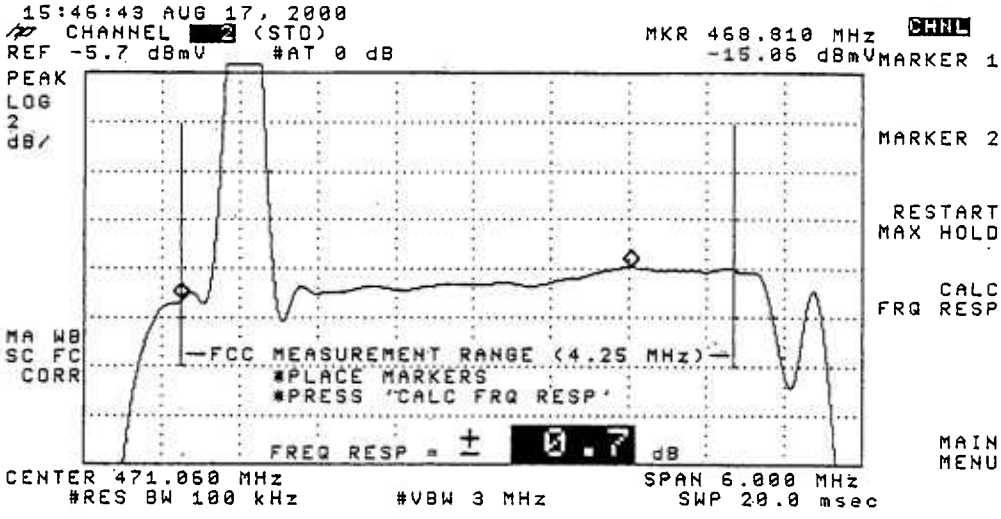

15:42:57 AUG 17, 2000
CHANNEL 2 (STD)
REF -3.3 dBmV
#AT 0 dB
MKR 184.275 MHz
-14.01 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 1.0 dB
MAIN
MENU
CENTER 183.030 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

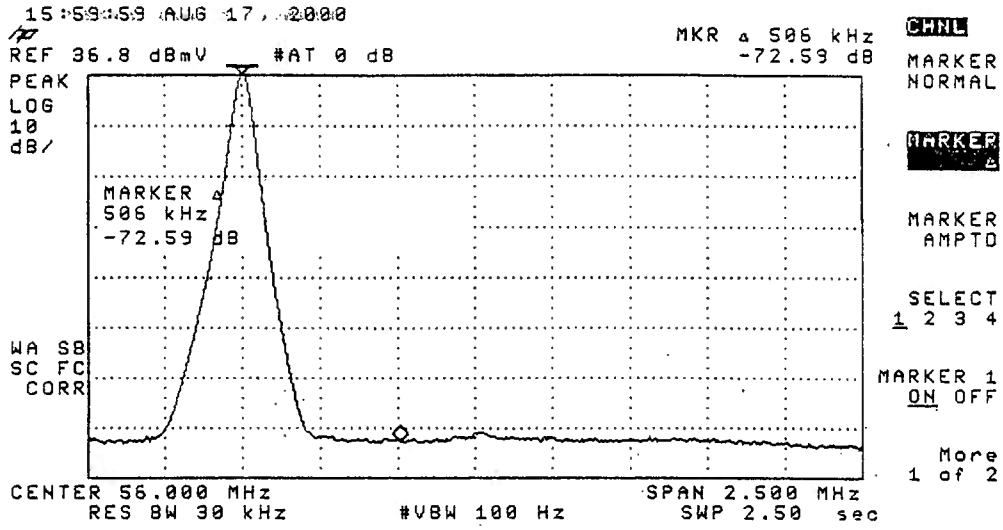

15:43:50 AUG 17, 2000
CHANNEL (STD)
REF -5.0 dBmV
#AT 0 dB
MKR 280.935 MHz
-14.46 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.6 dB
MAIN
MENU
CENTER 279.060 MHz
#RES BW 100 kHz.
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

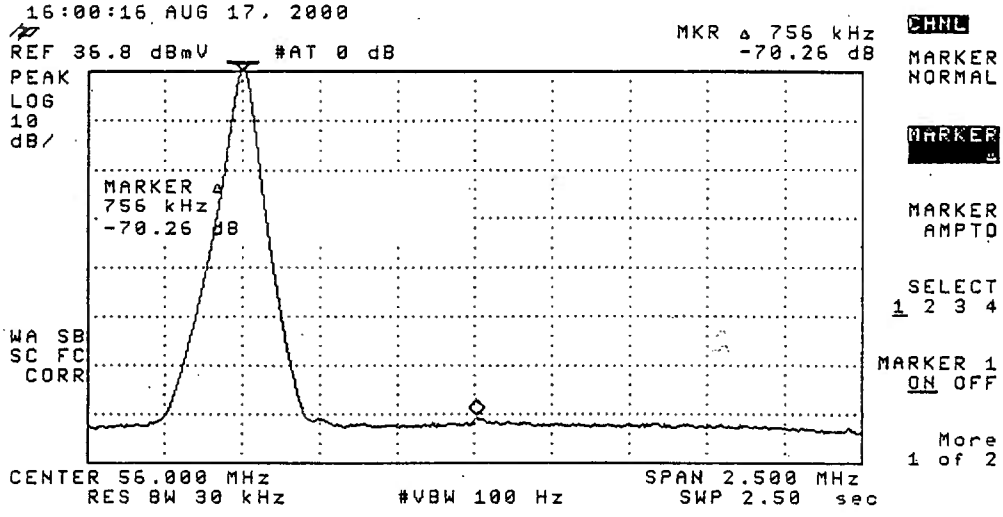

15:44:30 AUG 17, 2000
CHANNEL (STD)
REF -4.5 dBmV
#AT 0 dB
MKR 314.040 MHz
-13.54 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
CENTER 315.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

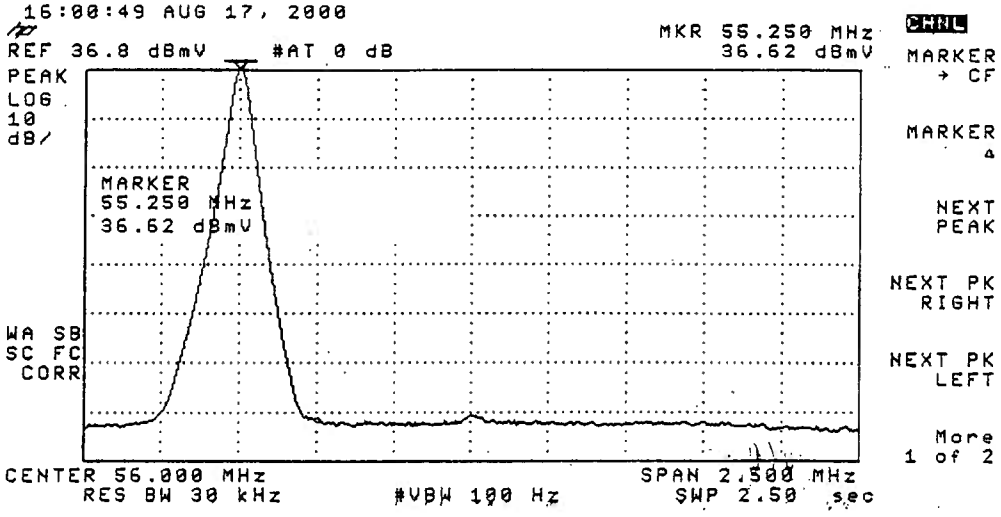

15:45:24 AUG 17, 2000
CHANNEL (STD)
REF -4.3 dBmV
#AT 0 dB
MKR 366.840 MHz
-13.84 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
CENTER 369.090 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

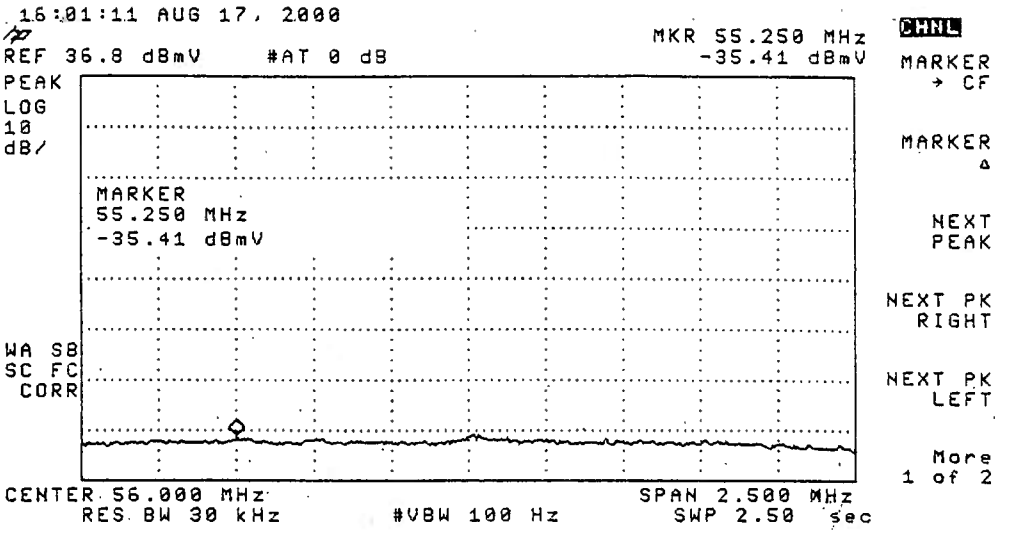

15:46:01 AUG 17, 2000
CHANNEL 2 (STD)
REF -5.7 dBmV
#AT 0 dB
MKR 405.330 MHz
-14.30 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
CENTER 405.060 MHz
SPAN 6.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec


15:46:43 AUG 17, 2000
CHANNEL 2 (STD)
REF -5.7 dBmV
#AT 0 dB
MKR 468.810 MHz
-15.06 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.7 dB
MAIN
MENU
CENTER 471.060 MHz
SPAN 6.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SWP 20.0 msec


15:59:59 AUG 17, 2000
REF 36.8 dBmV
#AT 0 dB
MKR Δ 506 kHz
-72.59 dB
PEAK
LOG
10
dB/
MARKER Δ
506 kHz
-72.59 dB
WA SB
SC FC
CORR
CHNL
MARKER
NORMAL
MARKER
MARKER
AMPTD
SELECT
1 2 3 4
MARKER 1
ON OFF
More
1 of 2
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec


16:00:16 AUG 17, 2000
REF 36.8 dBmV
#AT 0 dB
MKR Δ 756 kHz
-70.26 dB
PEAK
LOG
10
dB/
MARKER Δ
756 kHz
-70.26 dB
WA SB
SC FC
CORR
CHNL
MARKER
NORMAL
MARKER
MARKER
AMPTD
SELECT
1 2 3 4
MARKER 1
ON OFF
More
1 of 2
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec


16:00:49 AUG 17, 2000
REF 36.8 dBmV
#AT 0 dB
MKR 55.250 MHz
36.62 dBmV
PEAK
LOG
10
dB/
MARKER
55.250 MHz
36.62 dBmV
WA SB
SC FC
CORR
CHNL
MARKER
→ CF
MARKER
Δ
NEXT
PEAK
NEXT PK
RIGHT
NEXT PK
LEFT
More
1 of 2
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec


16:01:11 AUG 17, 2000
REF 36.8 dBmV
#AT 0 dB
MKR 55.250 MHz
-35.41 dBmV
PEAK
LOG
10
dB/
MARKER
55.250 MHz
-35.41 dBmV
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec
CHNL
MARKER
→ CF
MARKER
Δ
NEXT
PEAK
NEXT PK
RIGHT
NEXT PK
LEFT
More
1 of 2

Visual Carrier Level Variation Test 76.605 (a) 4

System Name: Time Warner-Syracuse

Test Point Location: Brickyard Falls

Date: Aug 24-25, 2000 Performed by: P. Bellucci & Scott Williams

Meter Serial Number: 9210390

Chan	Freq. (MHz)	Temp °F				Max Variation	Chan	Freq. (MHz)	Temp °F				Max Variation
		76	75	67	66				76	75	67	66	
		Time							Time				
		09:47	15:44	21:55	03:57				09:47	15:44	21:55	03:57	
		Visual Level (dbmv)							Visual Level (dbmv)				
2	55.2500	12.3	11.8	12.8	12.9	1.1	AA	301.2625	10.7	9.6	10.6	11.1	1.5
3	61.2500	12.9	12.7	13.5	13.8	1.1	BB	307.2625	10.0	9.6	10.6	10.7	1.1
4	67.2500	13.0	12.6	13.4	13.3	0.8	CC	313.2625	10.1	9.4	10.3	10.3	0.9
5	77.2500	12.3	12.3	12.8	13.0	0.7	DD	319.2625	10.8	9.9	10.8	10.9	1.0
6	83.2500	12.1	11.4	12.5	12.5	1.1	EE	325.2625	11.0	10.3	11.1	11.2	0.9
							FF	331.2750	11.6	10.8	11.7	11.8	1.0
							GG	337.2625	11.4	10.5	11.5	11.8	1.3
A-5	91.2500						HH	343.2625	11.0	10.0	11.4	11.6	1.6
A-4	97.2500						II	349.2625	11.5	10.3	11.9	12.1	1.8
A-3	103.2500						JJ	355.2625	11.2	10.5	11.7	11.8	1.3
A-2	109.2750	10.9	10.6	11.4	11.4	0.8	KK	361.2625	11.4	10.6	11.9	12.1	1.5
A-1	115.2750	11.0	10.3	11.2	11.4	1.1	LL	367.2625	11.3	10.4	11.8	11.6	1.4
A	121.2625	9.9	9.4	10.2	10.4	1.0	MM	373.2625	11.9	11.0	12.3	12.5	1.5
B	127.2625	11.0	10.2	11.4	11.3	1.2	NN	379.2625	11.5	10.4	12.1	12.3	1.9
C	133.2625	10.4	10.1	11.0	11.2	1.1	OO	385.2625	11.6	11.0	11.9	12.3	1.3
D	139.2500	10.5	10.0	10.8	11.0	1.0	PP	391.2625	11.2	10.3	11.9	12.0	1.7
E	145.2500	10.7	9.9	11.0	11.2	1.3	QQ	397.2625	10.9	10.2	11.3	11.4	1.2
F	151.2500	11.0	10.4	11.6	11.7	1.3	RR	403.2500	11.2	10.2	11.7	11.8	1.6
G	157.2500	11.5	11.0	11.8	12.0	1.0	SS	409.2500	11.6	11.0	12.4	12.7	1.7
H	163.2500	11.1	10.0	11.2	11.2	1.2	TT	415.2500	10.5	8.5	10.8	10.4	2.3
I	169.2500	11.1	10.2	11.2	11.5	1.3	UU	421.2500	11.1	10.2	11.3	11.5	1.3
7	175.2500	10.9	10.2	11.1	11.5	1.3	VV	427.2500	10.0	9.2	10.8	10.9	1.7
8	181.2500	9.6	8.7	9.7	9.8	1.1	WW	433.2500	9.9	9.0	10.7	10.8	1.8
9	187.2500	10.7	9.7	10.5	10.9	1.2	XX	439.2500	10.2	9.1	10.8	10.8	1.7
10	193.2500	11.0	10.3	11.4	11.7	1.4	YY	445.2500	10.4	9.4	10.9	11.0	1.6
11	199.2500	11.0	10.2	11.4	11.6	1.4	ZZ	451.2500	9.1	8.6	10.2	10.6	2.0
12	205.2500	10.4	9.5	10.7	10.9	1.4	63	457.2500	9.6	8.9	10.6	10.2	1.7
13	211.2500	10.1	9.5	10.2	10.5	1.0	64	463.2500	9.9	9.2	11.2	11.4	2.2
J	217.2500	10.1	9.1	10.3	10.4	1.3	65	469.2500	10.6	9.6	11.1	11.4	1.8
K	223.2500	9.5	8.8	9.7	10.0	1.2	66	475.2500	10.5	9.3	10.5	10.8	1.5
L	229.2625	9.5	8.8	9.9	10.1	1.3	67	481.2500	10.9	9.6	11.5	11.5	1.9
M	235.2625	9.3	8.6	9.3	9.5	0.9	68	487.2500	10.8	9.8	11.7	11.8	2.0
N	241.2625	9.3	8.6	9.5	9.7	1.1	69	493.2500	10.8	9.7	11.1	11.5	1.8
O	247.2625	8.7	8.4	9.3	9.3	0.9	70	499.2500	11.0	10.3	11.5	11.6	1.3
P	253.2625	9.1	8.1	9.3	9.2	1.2	71	505.2500	10.5	10.0	11.1	11.5	1.5
Q	259.2625	9.1	8.4	9.2	9.6	1.2	72	511.2500	10.9	9.1	11.5	11.4	2.4
R	265.2625	9.2	8.3	9.4	9.4	1.1	73	517.2500	11.1	9.7	11.4	11.0	1.7
S	271.2625	8.7	8.1	9.1	9.1	1.0	74	523.2500	11.4	9.8	11.8	12.4	2.6
T	277.2625	9.5	8.5	9.7	9.7	1.2	75	529.2500	11.9	10.4	12.6	12.8	2.4
U	283.2625	9.6	8.7	9.6	10.2	1.5	76	535.2500	11.6	9.7	11.7	12.5	2.8
V	289.2625	9.7	8.8	9.9	10.0	1.2	77	541.2500	11.4	9.6	12.3	12.4	2.8
W	295.2625	10.1	9.3	10.0	10.5	1.2	78	547.2500	13.5	12.0	14.1	13.8	2.1

Max NonAdjacent Channel Level Diff.	5
Max Adjacent Channel Level Diff.	2.5

Max Variance from last proof-of-performance test	5
Date of last proof-of-performance test	Feb 2000

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

TIME WARNER CABLE
SYRACUSE DIVISION

Proof-of-Performance Tests

System Name: Time Warner-Syracuse

System Test Point # 6

Location: Bennett Rd.

Community: Camillus

Pole Number: 44/44

D.T. Value: 14-2

Map Number: 20-17

OR Number: 56

Trunk Cascade: 5 LE Cascade: 1

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

System Name: Time Warner - Syracuse

Test Location: Bennett Corners Rd.

Date: 24-Aug-00

Time: 09:59 AM

Chan	Freq. (MHz)	Visual Level (dbmv)	Aural Level (dbmv)	Scrat "S"	Diff. (Dbmv)	Chan	Freq. (MHz)	Visual Level (dbmv)	Aural Level (dbmv)	Scrat "S"	Diff. (Dbmv)
2	55.2500	12.4	-1.2		13.6	AA	289.2625	12.5	-0.4		12.9
3	61.2500	13.3	-1.6		14.9	BB	307.2625	12.3	-1.2		13.5
4	67.2500	12.8	-1.8		14.6	CC	313.2625	12.6	-2.0		14.6
5	77.2500	12.2	-2.3		14.5	DD	319.2625	12.4	-0.4		12.8
6	83.2500	11.5	-2.9		14.4	EE	325.2625	12.7	-0.7		13.4
						FF	331.2750	13.0	-1.7		14.7
						GG	337.2625	12.4	-1.8		14.2
A-5	91.2500					HH	343.2625	11.1	-2.0		13.1
A-4	97.2500					II	349.2625	12.5	-1.6		14.1
A-3	103.2500					JJ	355.2625	11.8	-2.4		14.2
A-2	109.2750	11.5	-2.5		14.0	KK	361.2625	12.1	-2.1		14.2
A-1	115.2750	11.6	-2.2	S	13.8	LL	367.2625	11.9	-2.4		14.3
A	121.2625	11.5	-0.7		12.2	MM	373.2625	12.0	-2.4		14.4
B	127.2625	12.5	-0.5		13.0	NN	379.2625	11.5	-2.7		14.2
C	133.2625	12.7	-1.4		14.1	OO	385.2625	11.5	-1.9		13.4
D	139.2500	12.4	-1.2		13.6	PP	391.2625	11.5	-2.5		14.0
E	145.2500	12.6	-1.5		14.1	QQ	397.2625	11.3	-2.8		14.1
F	151.2500	12.4	-2.7		15.1	RR	403.2500	11.5	-2.5		14.0
G	157.2500	12.8	-1.2		14.0	SS	409.2500	12.5	-1.4		13.9
H	163.2500	12.5	-1.4		13.9	TT	415.2500	10.8	-4.2	S	15.0
I	169.2500	12.1	-1.9		14.0	UU	421.2500	11.0	-3.6	S	14.6
7	175.2500	12.2	-2.0		14.2	VV	427.2500	11.1	-2.7		13.8
8	181.2500	10.9	-3.0		13.9	WW	433.2500	11.1	-2.8		13.9
9	187.2500	11.7	-2.1		13.8	XX	439.2500	10.9	-2.7		13.6
10	193.2500	11.3	-2.2		13.5	YY	445.2500	11.3	-2.3		13.6
11	199.2500	11.1	-2.5		13.6	ZZ	451.2500	11.6	-4.2	S	15.8
12	205.2500	11.4	-2.4		13.8	63	457.2500	11.7	-3.0	S	14.7
13	211.2500	11.3	-2.8		14.1	64	463.2500	11.6	-2.6	S	14.2
J	217.2500	11.4	-3.0		14.4	65	469.2500	12.1	-2.9		15.0
K	223.2500	11.4	-2.7		14.1	66	475.2500	11.7	-3.9	S	15.6
L	229.2625	11.6	-2.5		14.1	67	481.2500	11.1	-2.3	S	13.4
M	235.2625	11.1	-2.7		13.8	68	487.2500	11.8	-3.1	S	14.9
N	241.2625	11.3	-2.3		13.6	69	493.2500	10.7	-4.0	S	14.7
O	247.2625	11.6	-1.9		13.5	70	499.2500	11.6	-3.4	S	15.0
P	253.2625	11.9	-1.7		13.6	71	505.2500	11.1	-4.6	S	15.7
Q	259.2625	12.4	-2.1		14.5	72	511.2500	10.7	-3.4	S	14.1
R	265.2625	11.8	-1.6		13.4	73	517.2500	11.1	-4.6	S	15.7
S	271.2625	11.6	-1.9		13.5	74	523.2500	10.9	-4.1	S	15.0
T	277.2625	12.0	-1.8		13.8	75	529.2500	10.9	-3.0		13.9
U	283.2625	11.9	-1.6		13.5	76	535.2500	10.8	-3.8	S	14.6
V	289.2625	12.1	-2.1		14.2	77	541.2500	10.3	-5.0	S	15.3
W	283.2625	12.5	-1.7		14.2	78	547.2500	11.6	-5.3	S	16.9

PEAK TO VALLEY: 3

IN CHANNEL RESPONSE Test

CARRIER - TO - NOISE Test

COHERENT DISTURBANCES Test

LOW FREQUENCY DISTURBANCES Test

System Name: Time Warner-Syracuse Date: August 2000

Test Performed By: Patrick Thrall

Location: Bennett Corners Rd.

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

Channel Number	In Channel Response	Carrier To Noise Ratio	Distortions (-dBc)			Hum
	(+/- dB)	(dB)	CTB	CSO	XMOD	(%)
2	0.6	48.7	67.8	69.5	69.9	0.8
A	0.8	47.4	67.0	68.0		
H	0.8	48.7	66.5	69.3		
8	1.0	47.9	66.8	69.0		
T	0.7	48.6	65.3	67.8		
CC	0.6	48.1	63.9	66.1		
LL	0.3	48.4	62.7	67.9		
RR	0.6	48.6	61.9	67.5		
CCC	0.3	47.8	60.7	65.9		

Time Warner Cable
Syracuse Division

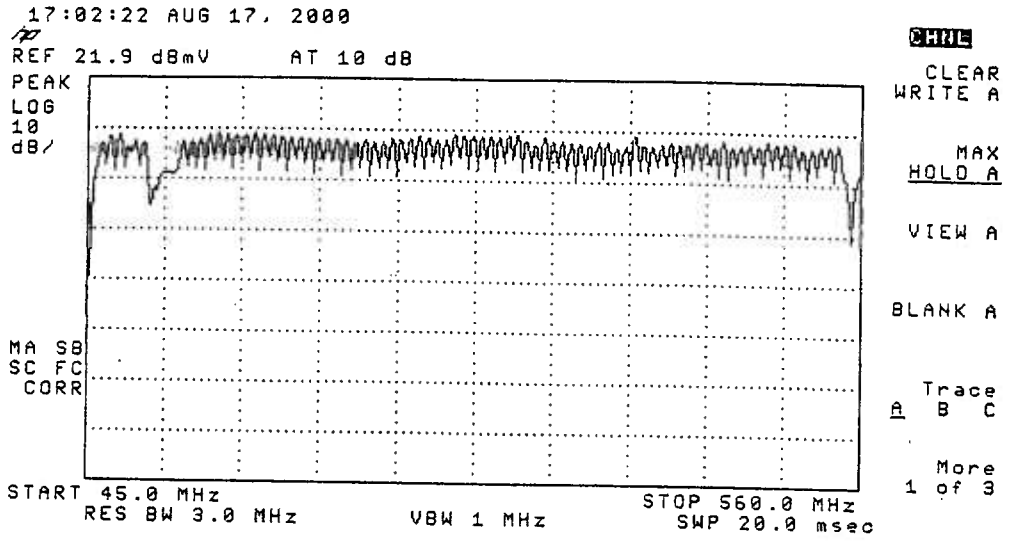
IN - CHANNEL FREQUENCY RESPONSE TEST

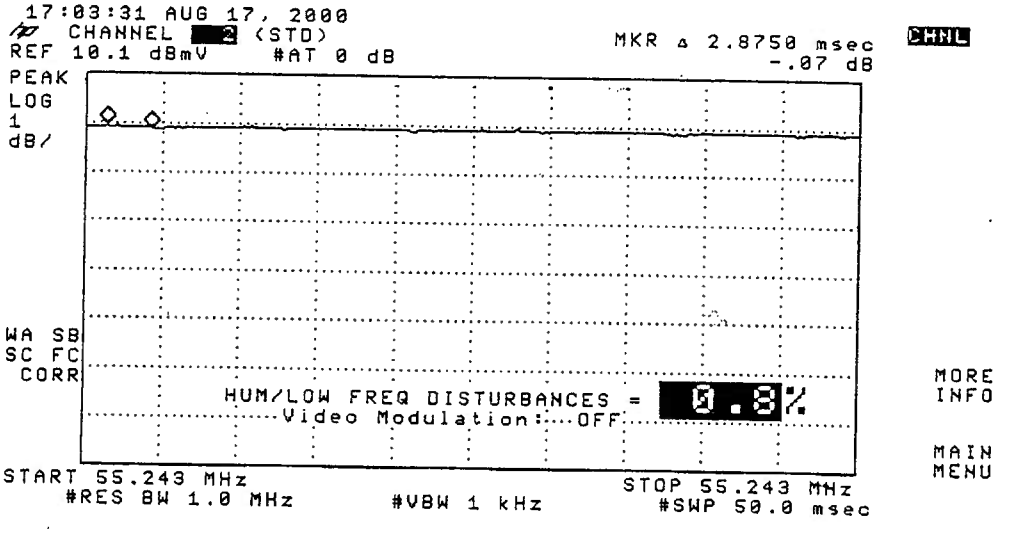
(76.605 (a) 6)

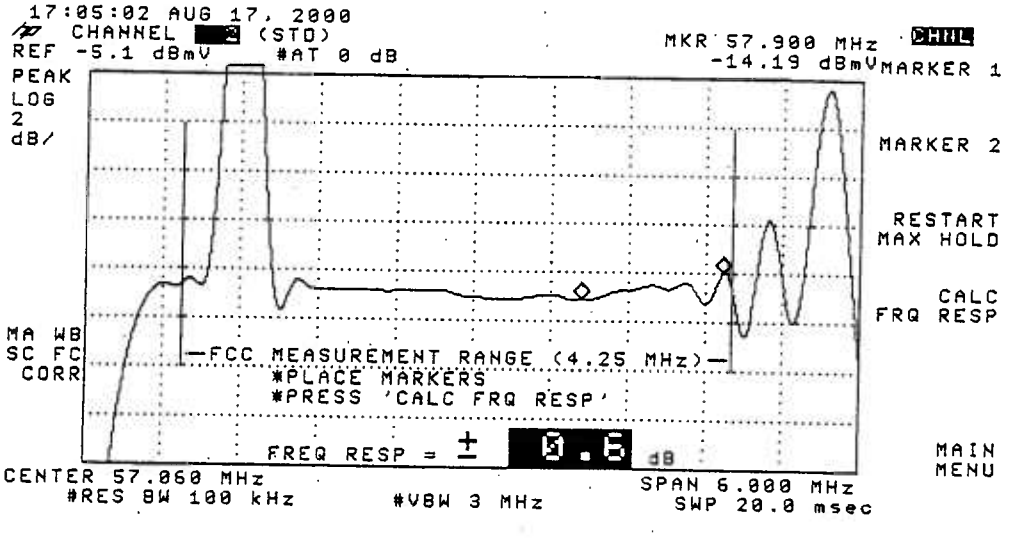
System Name: Time Warner-Syracuse Date: August 2000

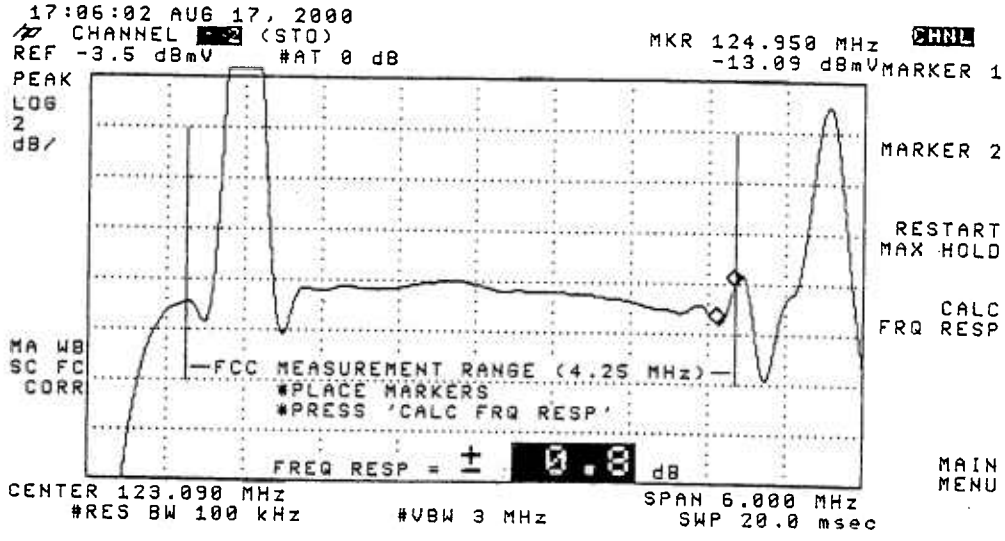
Test Performed By Pat Thrall Location: Bennett Cor. Rd.

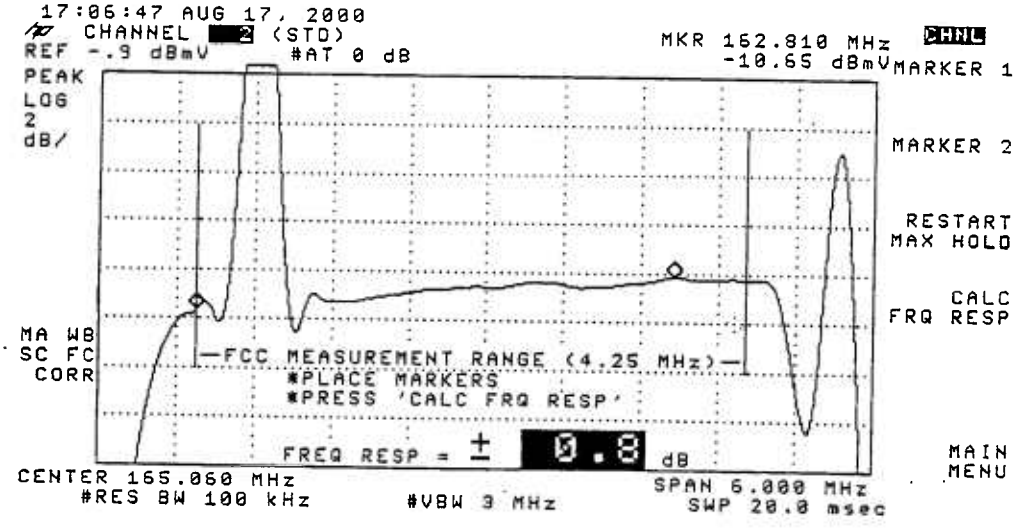
(SEE THE ATTATCHED SWEEP TRACES)

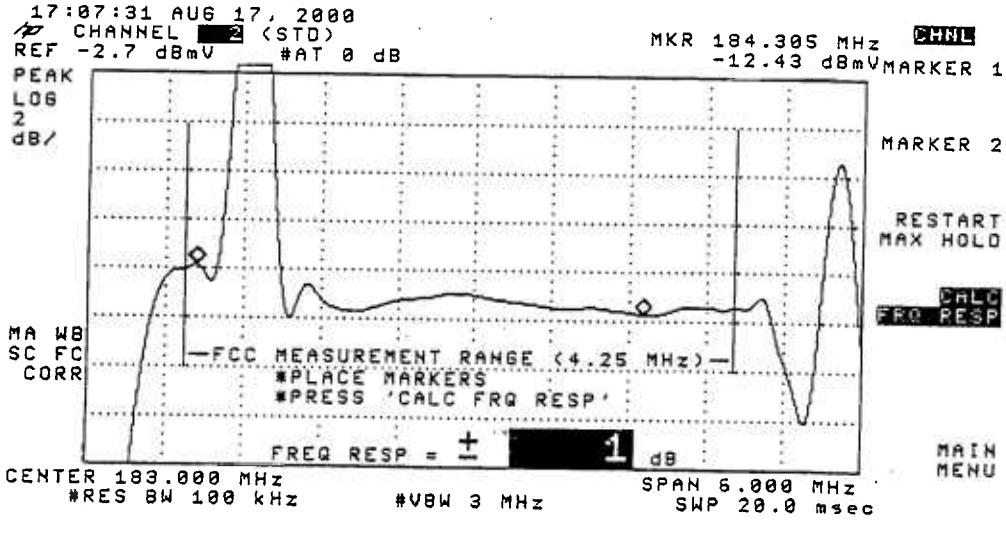

17:02:22 AUG 17, 2000
REF 21.9 dBmV
AT 10 dB
PEAK
LOG
10
dB/
MA SB
SC FC
CORR
START 45.0 MHz
RES BW 3.0 MHz
VBW 1 MHz
STOP 560.0 MHz
SWP 20.0 msec
CHNL
CLEAR
WRITE A
MAX
HOLD A
VIEW A
BLANK A
Trace
A B C
More
1 of 3

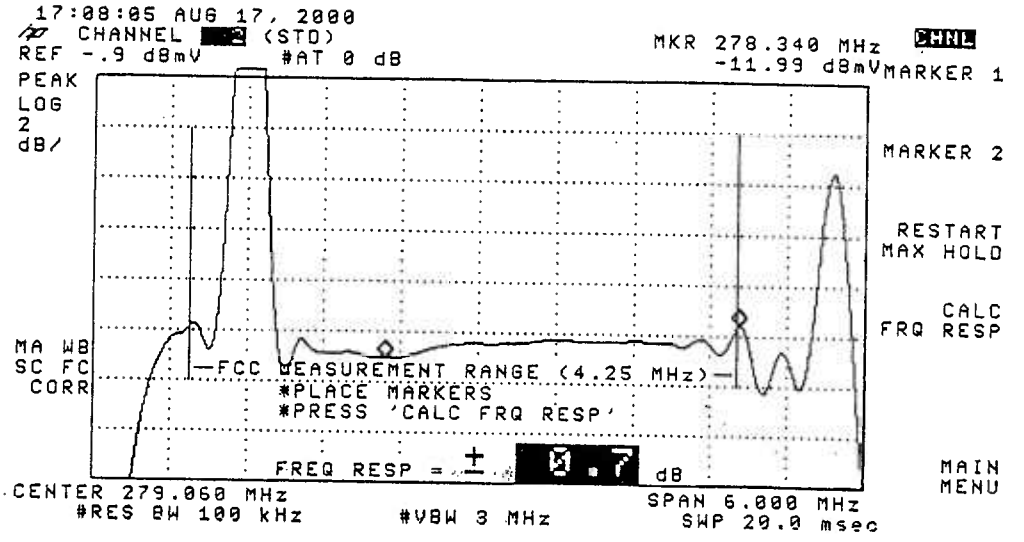

17:03:31 AUG 17, 2000
CHANNEL 2 (STD)
REF 10.1 dBmV
#AT 0 dB
MKR Δ 2.8750 msec
-.07 dB
CHNL
PEAK
LOG
1
dB/
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = 0.8%
Video Modulation: OFF
START 55.243 MHz
#RES BW 1.0 MHz
#VBW 1 kHz
STOP 55.243 MHz
#SWP 50.0 msec
MORE
INFO
MAIN
MENU

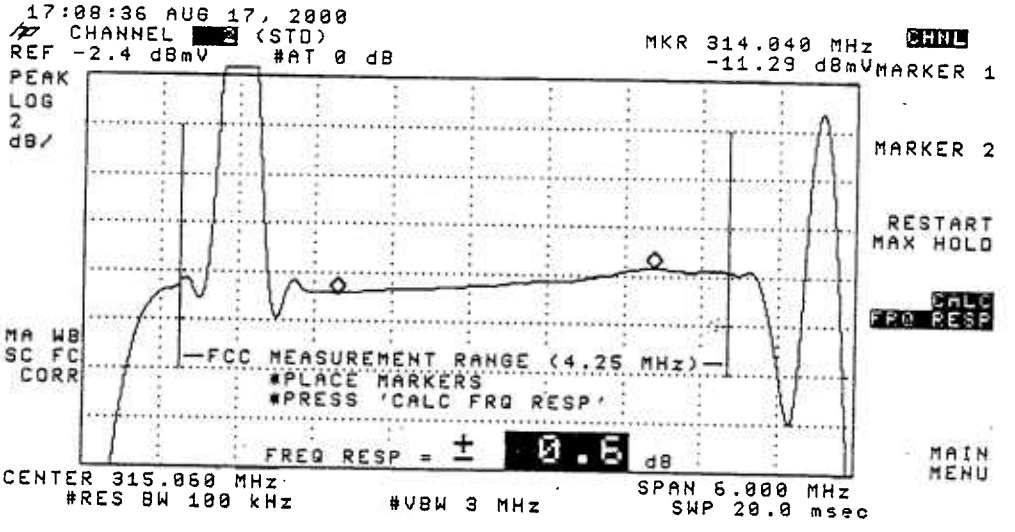

17:05:02 AUG 17, 2000
CHANNEL 2 (STD)
REF -5.1 dBmV
#AT 0 dB
MKR 57.900 MHz
-14.19 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.6 dB
CENTER 57.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec
MAIN
MENU

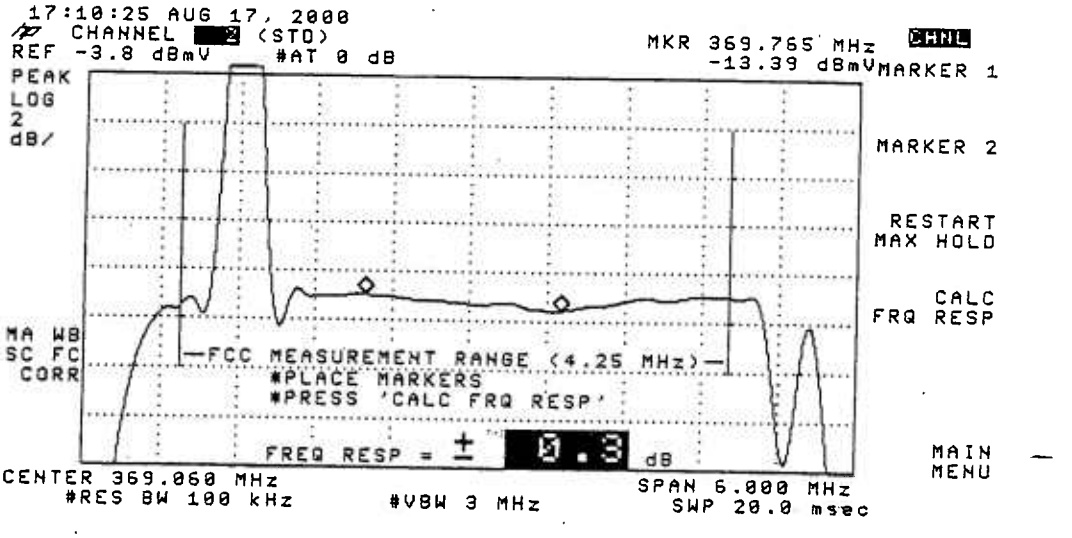

17:06:02 AUG 17, 2000
CHANNEL 2 (STD)
REF -3.5 dBmV
#AT 0 dB
MKR 124.950 MHz
-13.09 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.8 dB
MAIN
MENU
CENTER 123.090 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

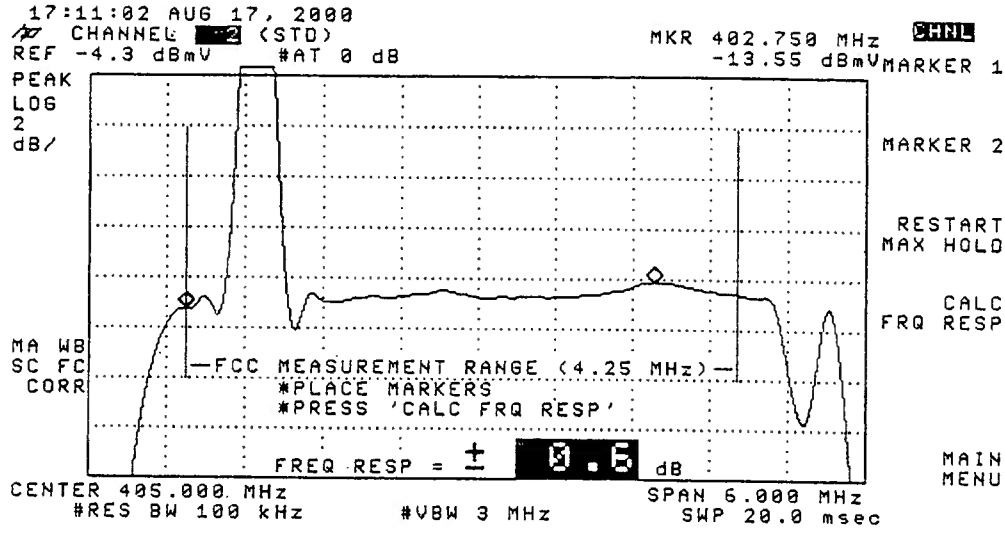

17:06:47 AUG 17, 2000
CHANNEL 2 (STD)
REF -.9 dBmV
#AT 0 dB
MKR 162.810 MHz
-10.65 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.8 dB
MAIN
MENU
CENTER 165.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

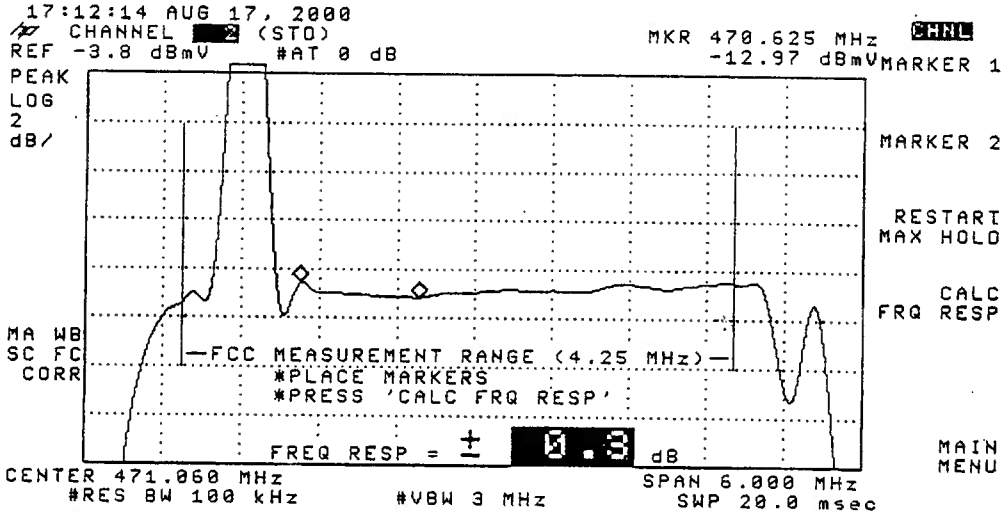

17:07:31 AUG 17, 2000
CHANNEL 2 (STD)
REF -2.7 dBmV
#AT 0 dB
MKR 184.305 MHz
-12.43 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 1 dB
MAIN
MENU
CENTER 183.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

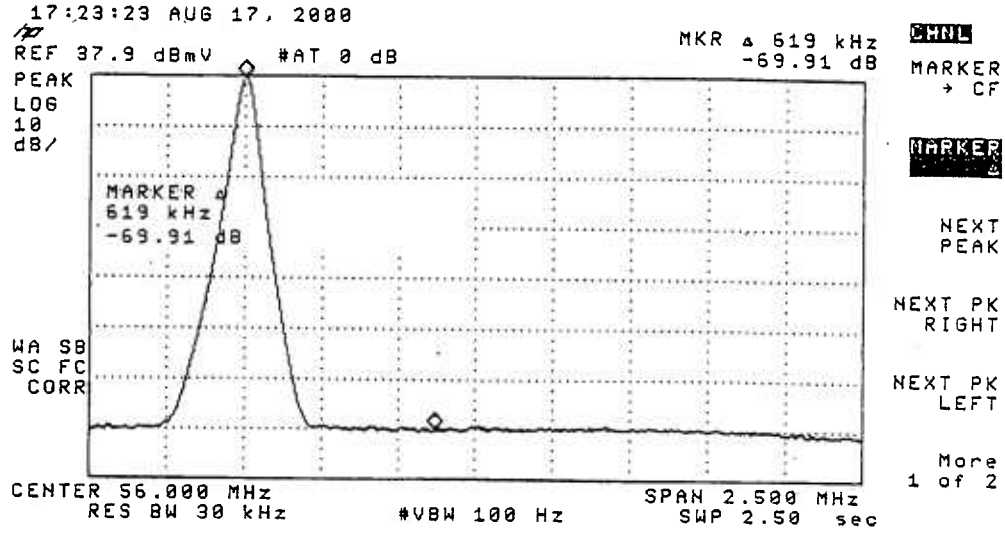

17:08:05 AUG 17, 2000
CHANNEL 2 (STD)
REF -.9 dBmV
#AT 0 dB
MKR 278.340 MHz
-11.99 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.7 dB
MAIN
MENU
CENTER 279.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

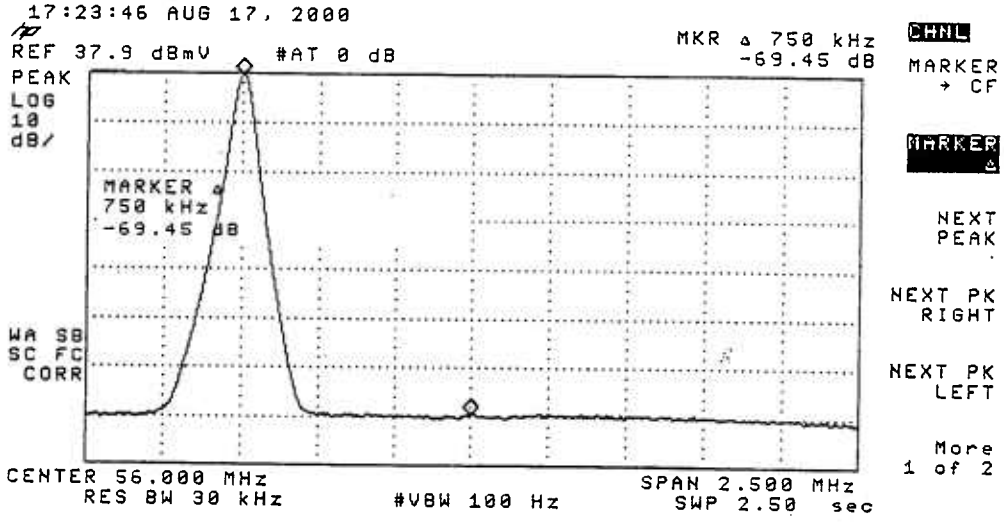

17:08:36 AUG 17, 2000
CHANNEL 2 (STD)
REF -2.4 dBmV
#AT 0 dB
MKR 314.040 MHz
-11.29 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.6 dB
MAIN
MENU
CENTER 315.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

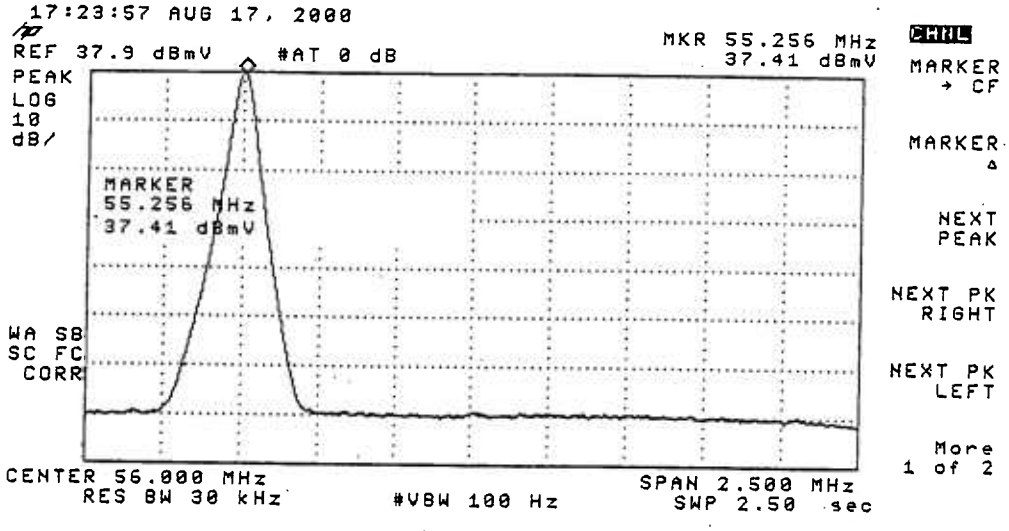

17:10:25 AUG 17, 2000
CHANNEL 2 (STD)
REF -3.8 dBmV
#AT 0 dB
MKR 369.765 MHz
-13.39 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
CENTER 369.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

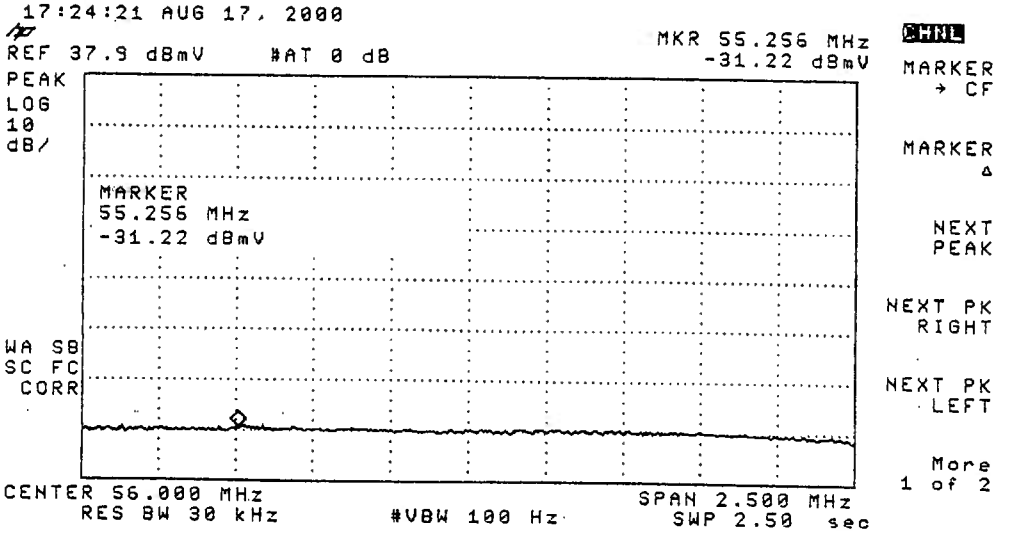

17:11:02 AUG 17, 2000
CHANNEL 2 (STD)
REF -4.3 dBmV
#AT 0 dB
MKR 402.750 MHz
-13.55 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.6 dB
MAIN
MENU
CENTER 405.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


17:12:14 AUG 17, 2000
CHANNEL 2 (STD)
REF -3.8 dBmV
#AT 0 dB
MKR 470.625 MHz
-12.97 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
CENTER 471.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


17:23:23 AUG 17, 2000
REF 37.9 dBmV
#AT 0 dB
MKR Δ 619 kHz
-69.91 dB
PEAK
LOG
10
dB/
MARKER Δ
619 kHz
-69.91 dB
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec
CHNL
MARKER → CF
MARKER Δ
NEXT PEAK
NEXT PK RIGHT
NEXT PK LEFT
More 1 of 2


17:23:46 AUG 17, 2000
REF 37.9 dBmV
#AT 0 dB
MKR Δ 750 kHz
-69.45 dB
PEAK
LOG
10
dB/
MARKER Δ
750 kHz
-69.45 dB
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec
CHNL
MARKER → CF
MARKER Δ
NEXT PEAK
NEXT PK RIGHT
NEXT PK LEFT
More 1 of 2


17:23:57 AUG 17, 2000
REF 37.9 dBmV
#AT 0 dB
MKR 55.256 MHz
37.41 dBmV
PEAK
LOG
10
dB/
MARKER
55.256 MHz
37.41 dBmV
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec
CHNL
MARKER → CF
MARKER Δ
NEXT PEAK
NEXT PK RIGHT
NEXT PK LEFT
More 1 of 2


17:24:21 AUG 17, 2000
REF 37.9 dBmV
#AT 0 dB
MKR 55.256 MHz
-31.22 dBmV
CHNL
PEAK
LOG
10
dB/
MARKER
55.256 MHz
-31.22 dBmV
WA SB
SC FC
CORR
MARKER
→ CF
MARKER
Δ
NEXT
PEAK
NEXT PK
RIGHT
NEXT PK
LEFT
More
1 of 2
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec

Visual Carrier Level Variation Test 76.605 (a) 4

System Name: Time Warner-Syracuse

Test Point Location: Bennett Corners Rd.

Date: Aug 24-25, 2000 Performed by: P. Bellucci & Scott Willaims

Meter Serial Number: 9210390

Chan	Freq. (MHz)	Temp °F 75	70	68	66	Max Variation	Chan	Freq. (MHz)	Temp °F 75	70	68	66	Max Variation
		Time 09:59	15:57	22:12	04:14				Time 09:59	15:57	22:12	04:14	
		Visual Level (dbmv)							Visual Level (dbmv)				
2	55.2500	12.4	11.7	13.4	13.3	1.7	AA	301.2625	12.5	11.9	12.9	13.2	1.3
3	61.2500	13.3	12.4	14.3	13.8	1.9	BB	307.2625	12.3	11.7	12.5	12.9	1.2
4	67.2500	12.8	12.6	14.1	13.8	1.5	CC	313.2625	12.6	11.8	12.8	12.9	1.1
5	77.2500	12.2	11.4	13.1	12.9	1.7	DD	319.2625	12.4	11.8	12.7	12.8	1.0
6	83.2500	11.5	10.9	12.6	12.4	1.7	EE	325.2625	12.7	12.2	12.7	12.8	0.6
							FF	331.2750	13.0	12.2	13.2	13.3	1.1
							GG	337.2625	12.4	11.6	12.7	12.9	1.3
A-5	91.2500						HH	343.2625	11.1	10.6	11.7	11.9	1.3
A-4	97.2500						II	349.2625	12.5	11.8	12.5	13.0	1.2
A-3	103.2500						JJ	355.2625	11.8	10.8	11.7	12.1	1.3
A-2	109.2750	11.5	10.6	11.8	11.6	1.2	KK	361.2625	12.1	11.6	12.5	12.6	1.0
A-1	115.2750	11.6	10.8	12.1	12.0	1.3	LL	367.2625	11.9	10.9	11.9	12.2	1.3
A	121.2625	11.5	10.7	12.1	11.9	1.4	MM	373.2625	12.0	11.2	12.3	12.6	1.4
B	127.2625	12.5	11.8	13.0	12.7	1.2	NN	379.2625	11.5	10.5	11.7	11.6	1.2
C	133.2625	12.7	12.0	12.8	12.9	0.9	OO	385.2625	11.5	10.8	11.8	12.2	1.4
D	139.2500	12.4	11.6	13.0	12.9	1.4	PP	391.2625	11.5	10.5	11.8	12.1	1.6
E	145.2500	12.6	12.0	12.9	12.8	0.9	QQ	397.2625	11.3	10.7	11.5	11.7	1.0
F	151.2500	12.4	11.9	13.1	13.0	1.2	RR	403.2500	11.5	10.6	11.8	12.1	1.5
G	157.2500	12.8	12.1	13.0	12.8	0.9	SS	409.2500	12.5	11.6	12.8	13.4	1.8
H	163.2500	12.5	11.5	12.8	12.5	1.3	TT	415.2500	10.8	10.5	11.0	11.8	1.3
I	169.2500	12.1	11.4	12.1	12.6	1.2	UU	421.2500	11.0	11.1	11.6	11.5	0.6
7	175.2500	12.2	11.3	12.7	12.5	1.4	VV	427.2500	11.1	10.7	11.4	11.9	1.2
8	181.2500	10.9	10.2	11.1	11.1	0.9	WW	433.2500	11.1	12.0	11.6	12.1	1.0
9	187.2500	11.7	10.8	11.9	11.9	1.1	XX	439.2500	10.9	10.8	11.5	12.2	1.4
10	193.2500	11.3	10.7	12.1	12.0	1.4	YY	445.2500	11.3	12.0	11.8	12.2	0.9
11	199.2500	11.1	10.6	11.7	11.8	1.2	ZZ	451.2500	11.6	11.0	11.4	12.4	1.4
12	205.2500	11.4	10.6	11.5	12.0	1.4	63	457.2500	11.7	12.0	12.1	12.5	0.8
13	211.2500	11.3	10.6	11.6	11.7	1.1	64	463.2500	11.6	11.0	11.7	12.2	1.2
J	217.2500	11.4	10.7	11.9	12.0	1.3	65	469.2500	12.1	11.5	12.1	12.4	0.9
K	223.2500	11.4	10.3	11.5	11.7	1.4	66	475.2500	11.7	12.0	12.0	12.1	0.4
L	229.2625	11.6	10.6	11.7	11.8	1.2	67	481.2500	11.1	10.9	11.9	12.1	1.2
M	235.2625	11.1	10.5	11.7	11.5	1.2	68	487.2500	11.8	12.0	12.0	12.1	0.3
N	241.2625	11.3	10.6	11.7	11.8	1.2	69	493.2500	12.0	13.0	12.5	12.0	1.0
O	247.2625	11.6	11.2	11.8	12.1	0.9	70	499.2500	11.6	11.6	12.2	11.8	0.6
P	253.2625	11.9	11.2	12.2	12.3	1.1	71	505.2500	11.1	10.8	11.3	12.5	1.7
Q	259.2625	12.4	11.5	12.5	12.6	1.1	72	511.2500	10.7	11.0	11.8	11.0	1.1
R	265.2625	11.8	11.5	12.8	12.7	1.3	73	517.2500	11.1	12.0	11.0	11.5	1.0
S	271.2625	11.6	10.7	11.8	11.9	1.2	74	523.2500	10.9	12.0	11.2	11.1	1.1
T	277.2625	12.0	11.4	12.6	12.6	1.2	75	529.2500	10.9	10.3	11.5	12.0	1.7
U	283.2625	11.9	10.9	12.1	12.3	1.4	76	535.2500	10.8	11.0	11.7	11.5	0.9
V	289.2625	12.1	11.5	12.4	12.3	0.9	77	541.2500	10.3	12.0	10.9	11.2	1.7
W	295.2625	12.5	11.5	12.5	12.6	1.1	78	547.2500	11.6	10.5	11.4	11.4	1.1

Max NonAdjacent Channel Level Diff.	3.4	Max Variance from last proof-of-performance test	7.8
Max Adjacent Channel Level Diff.	1.8	Date of last proof-of-performance test	Feb 2000

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

TestPoint 6 Page 5 of 5

TIME WARNER CABLE
SYRACUSE DIVISION

Proof-of-Performance Tests

System Name: Time Warner-Syracuse

System Test Point # 7

Location: Whiting Rd.

Community: Elbridge

Pole Number: 32/34

D.T. Value: 18-8

Map Number: 19-16

OR Number: 55

Trunk Cascade: 3 LE Cascade: 3

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

System Name: Time Warner - Syracuse

Test Location: Whiting Rd.

Date: 24-Aug-00

Time: 09:46 PM

Chan	Freq. (MHz)	Visual Level (dbmv)	Aural Level (dbmv)	Scrat "S"	Diff. (Dbmv)	Chan	Freq. (MHz)	Visual Level (dbmv)	Aural Level (dbmv)	Scrat "S"	Diff. (Dbmv)
2	55.2500	16.1	3.2		12.9	AA	289.2625	15.9	1.7		14.2
3	61.2500	17.0	3.9		13.1	BB	307.2625	15.4	0.9		14.5
4	67.2500	17.0	2.3		14.7	CC	313.2625	15.3	0.5		14.8
5	77.2500	16.3	2.3		14.0	DD	319.2625	14.5	0.0		14.5
6	83.2500	16.1	2.3		13.8	EE	325.2625	14.1	0.0		14.1
						FF	331.2750	14.7	1.4		13.3
						GG	337.2625	14.3	0.7		13.6
A-5	91.2500					HH	343.2625	14.0	-0.1		14.1
A-4	97.2500					II	349.2625	14.5	0.0		14.5
A-3	103.2500					JJ	355.2625	14.2	0.1		14.1
A-2	109.2750	16.1	3.0		13.1	KK	361.2625	14.2	0.1		14.1
A-1	115.2750	15.2	1.5	S	13.7	LL	367.2625	13.9	-0.4		14.3
A	121.2625	15.1	0.9		14.2	MM	373.2625	13.9	-0.1		14.0
B	127.2625	15.3	1.1		14.2	NN	379.2625	13.9	1.6		12.3
C	133.2625	15.6	1.6		14.0	OO	385.2625	14.2	0.3		13.9
D	139.2500	16.2	2.4		13.8	PP	391.2625	14.1	-0.3		14.4
E	145.2500	15.9	1.7		14.2	QQ	397.2625	14.4	0.5		13.9
F	151.2500	16.2	1.1		15.1	RR	403.2500	14.3	-0.3		14.6
G	157.2500	15.3	1.2		14.1	SS	409.2500	13.8	0.5		13.3
H	163.2500	15.7	1.3		14.4	TT	415.2500	13.0	-0.3	S	13.3
I	169.2500	16.0	2.7		13.3	UU	421.2500	13.4	-2.5	S	15.9
7	175.2500	15.8	1.7		14.1	VV	427.2500	13.3	-1.1		14.4
8	181.2500	16.6	2.4		14.2	WW	433.2500	13.9	-0.8		14.7
9	187.2500	15.7	1.7		14.0	XX	439.2500	12.8	-0.9		13.7
10	193.2500	15.5	1.4		14.1	YY	445.2500	12.5	-0.9		13.4
11	199.2500	15.8	1.3		14.5	ZZ	451.2500	12.8	-2.4	S	15.2
12	205.2500	15.2	1.2		14.0	63	457.2500	13.3	-2.4	S	15.7
13	211.2500	15.0	0.7		14.3	64	463.2500	12.3	-2.3	S	14.6
J	217.2500	15.3	1.3		14.0	65	469.2500	12.8	-1.2		14.0
K	223.2500	15.5	0.6		14.9	66	475.2500	12.9	-3.1	S	16.0
L	229.2625	14.9	1.0		13.9	67	481.2500	12.9	-1.4	S	14.3
M	235.2625	15.4	1.0		14.4	68	487.2500	12.9	-0.7	S	13.6
N	241.2625	15.6	1.8		13.8	69	493.2500	12.6	-2.7	S	15.3
O	247.2625	15.1	0.9		14.2	70	499.2500	12.7	-3.0	S	15.7
P	253.2625	15.4	1.6		13.8	71	505.2500	12.2	-2.7	S	14.9
Q	259.2625	15.8	1.7		14.1	72	511.2500	13.4	-1.7	S	15.1
R	265.2625	15.9	1.6		14.3	73	517.2500	12.1	-2.2	S	14.3
S	271.2625	14.7	1.7		13.0	74	523.2500	12.8	-2.4	S	15.2
T	277.2625	16.0	1.6		14.4	75	529.2500	13.3	-0.8		14.1
U	283.2625	15.7	1.4		14.3	76	535.2500	13.4	-1.6	S	15.0
V	289.2625	15.5	1.8		13.7	77	541.2500	13.9	-1.9	S	15.8
W	283.2625	15.6	1.6		14.0	78	547.2500	13.3	-2.4	S	15.7

PEAK TO VALLEY: 4.9

IN CHANNEL RESPONSE Test

CARRIER - TO - NOISE Test

COHERENT DISTURBANCES Test

LOW FREQUENCY DISTURBANCES Test

System Name: Time Warner-Syracuse **Date:** August 2000

Test Performed By: Patrick Thrall

Location: Whiting Rd.

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

Channel Number	In Channel Response	Carrier To Noise Ratio	Distortions (-dBc)			Hum
	(+/- dB)	(dB)	CTB	CSO	XMOD	(%)
2	0.8	47.5	67.7	68	70	0.4
A	0.6	47.4	67	67		
H	0.8	47.5	67.4	68		
8	0.9	47.4	67.2	67.9		
T	0.8	47.5	66.9	67.6		
CC	0.7	47.3	66.8	64		
LL	0.4	47.2	66.9	64.3		
RR	0.6	47	66	64.2		
CCC	0.6	47.3	65.6	62		

Time Warner Cable
Syracuse Division

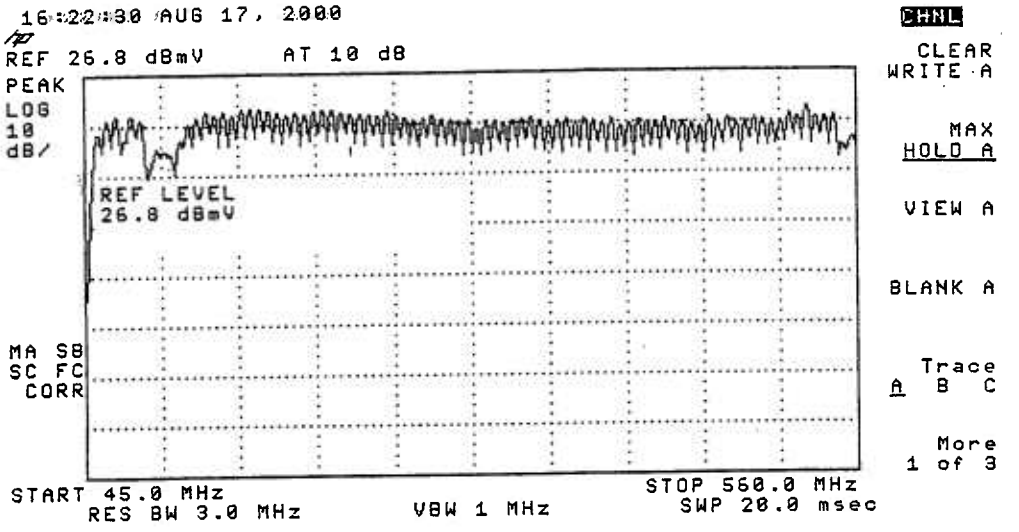
IN - CHANNEL FREQUENCY RESPONSE TEST

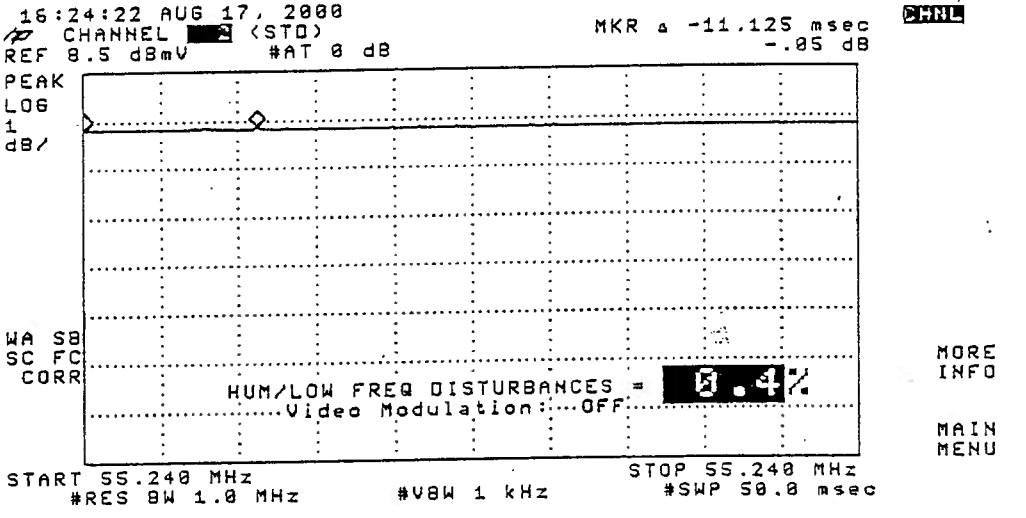
(76.605 (a) 6)

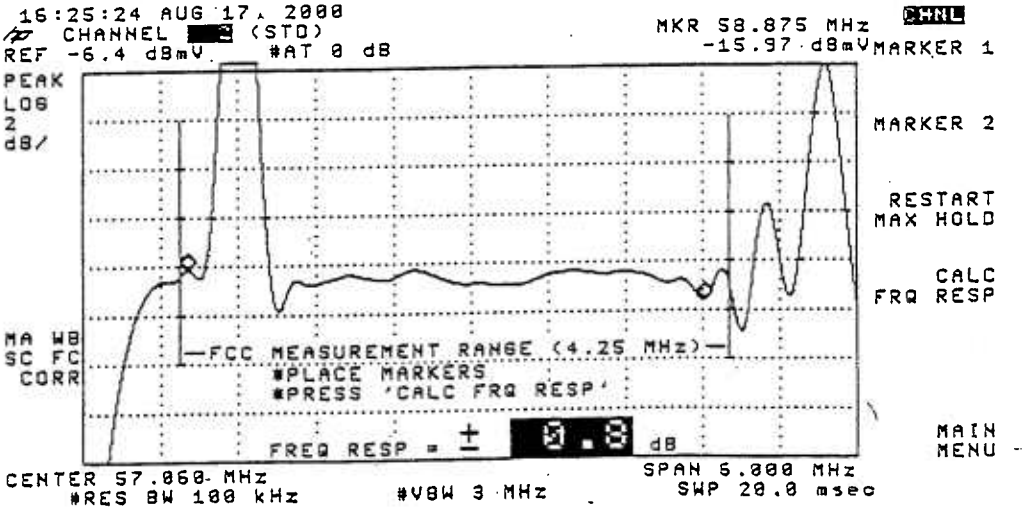
System Name: Time Warner-Syracuse Date: August 2000

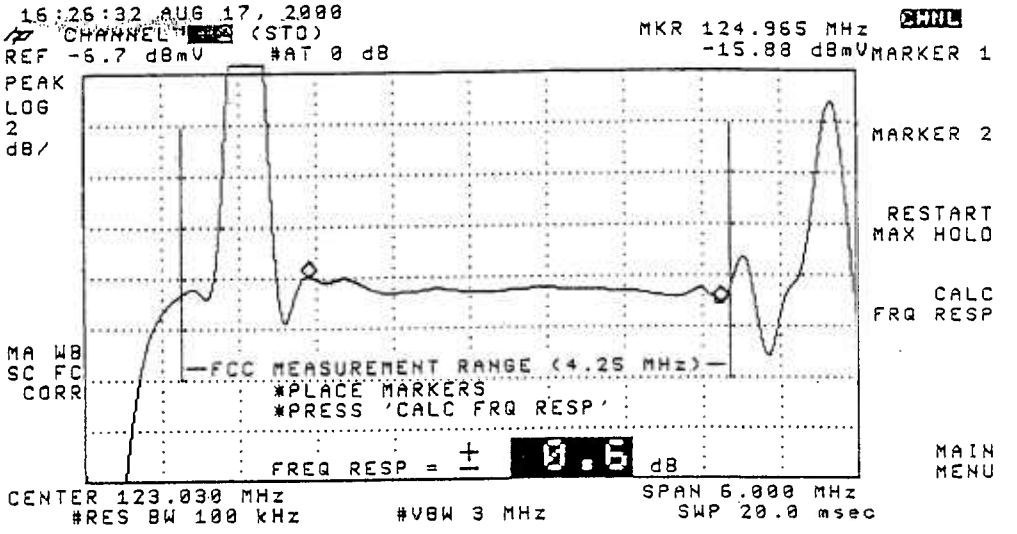
Test Performed By Pat Thrall Location: Whiting Rd.

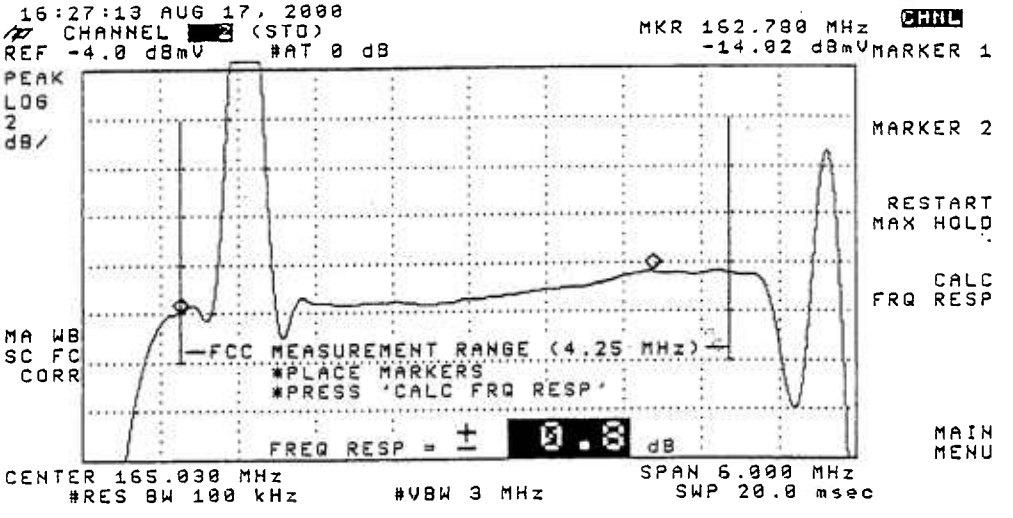
(SEE THE ATTATCHED SWEEP TRACES)

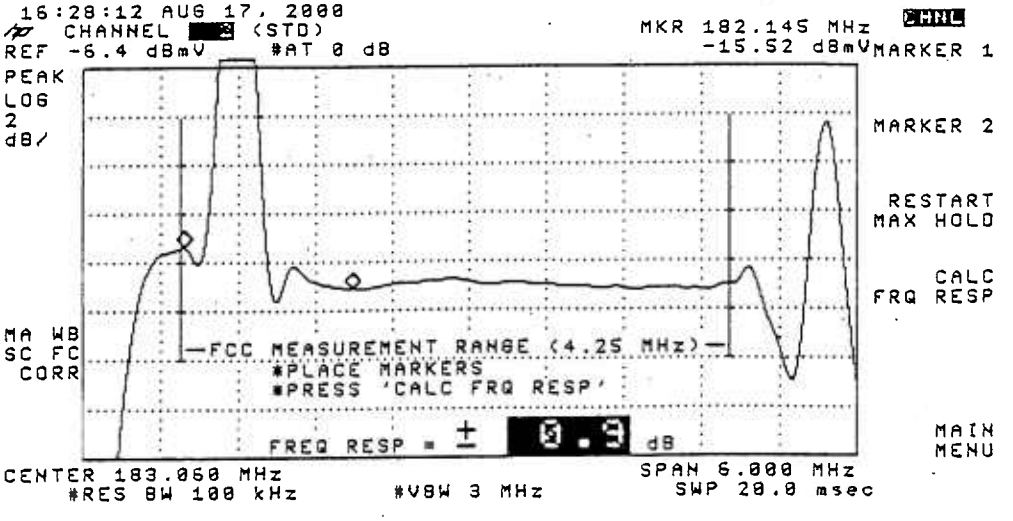

16:22:30 AUG 17, 2000
REF 26.8 dBmV
AT 10 dB
PEAK
LOG
10
dB/
REF LEVEL
26.8 dBmV
MA SB
SC FC
CORR
START 45.0 MHz
RES BW 3.0 MHz
VBW 1 MHz
STOP 560.0 MHz
SWP 20.0 msec
CHNL
CLEAR
WRITE A
MAX
HOLD A
VIEW A
BLANK A
Trace
A B C
More
1 of 3

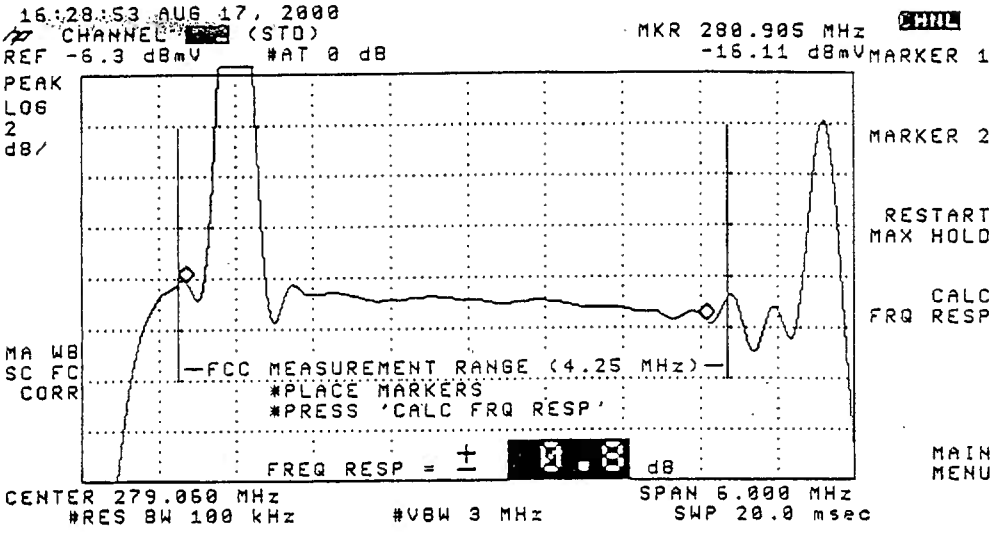

16:24:22 AUG 17, 2000
CHANNEL 2 (STD)
REF 8.5 dBmV
#AT 0 dB
MKR Δ -11.125 msec
-.05 dB
PEAK
LOG
1
dB/
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = 0.4%
Video Modulation: OFF
START 55.240 MHz
#RES BW 1.0 MHz
#VBW 1 kHz
STOP 55.240 MHz
#SWP 50.0 msec
CHNL
MORE
INFO
MAIN
MENU

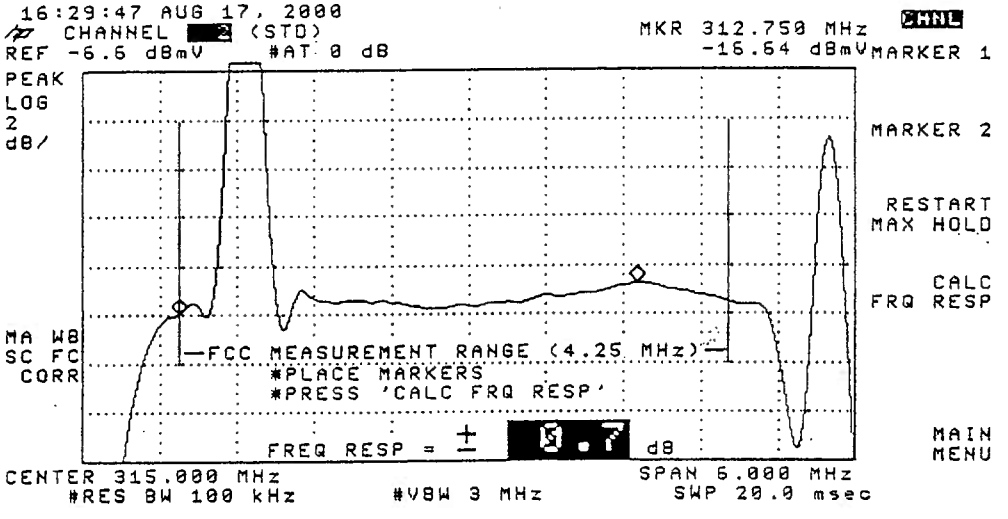

16:25:24 AUG 17, 2000
CHANNEL 2 (STD)
REF -6.4 dBmV
#AT 0 dB
MKR 58.875 MHz
-15.97 dBmV
PEAK
LOG
2
dB/
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.8 dB
CENTER 57.860 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 5.000 MHz
SWP 20.0 msec
CHNL
MARKER 1
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MAIN
MENU

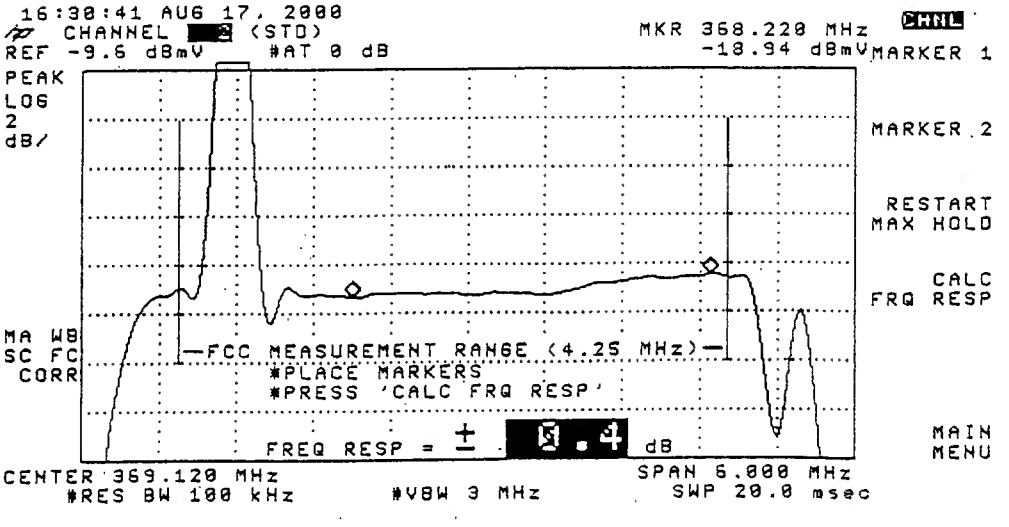

16:26:32 AUG 17, 2000
CHANNEL 1 (STD)
REF -6.7 dBmV
#AT 0 dB
MKR 124.965 MHz
-15.88 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.6 dB
MAIN
MENU
CENTER 123.030 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

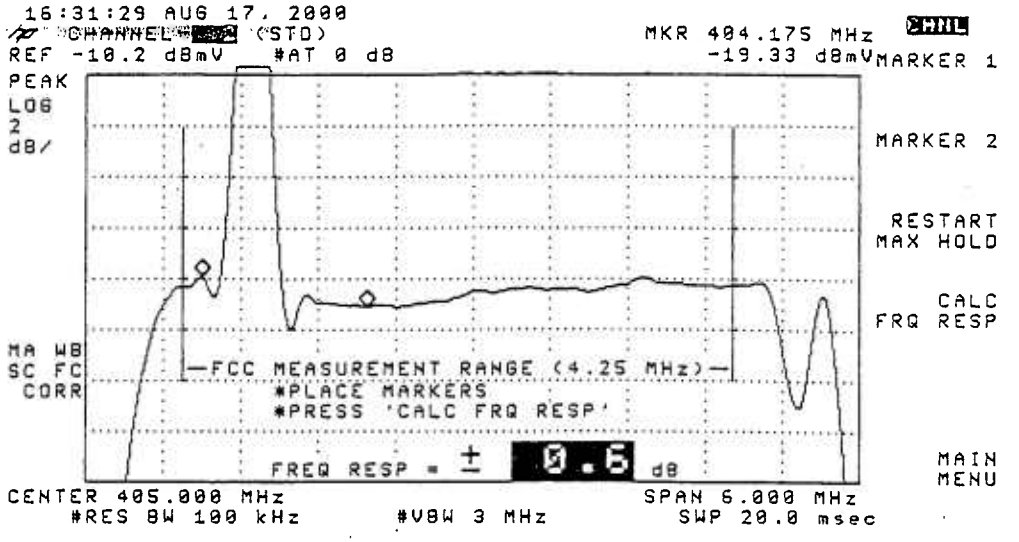

16:27:13 AUG 17, 2000
CHANNEL 2 (STD)
REF -4.0 dBmV
#AT 0 dB
MKR 162.780 MHz
-14.02 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.8 dB
MAIN
MENU
CENTER 165.030 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

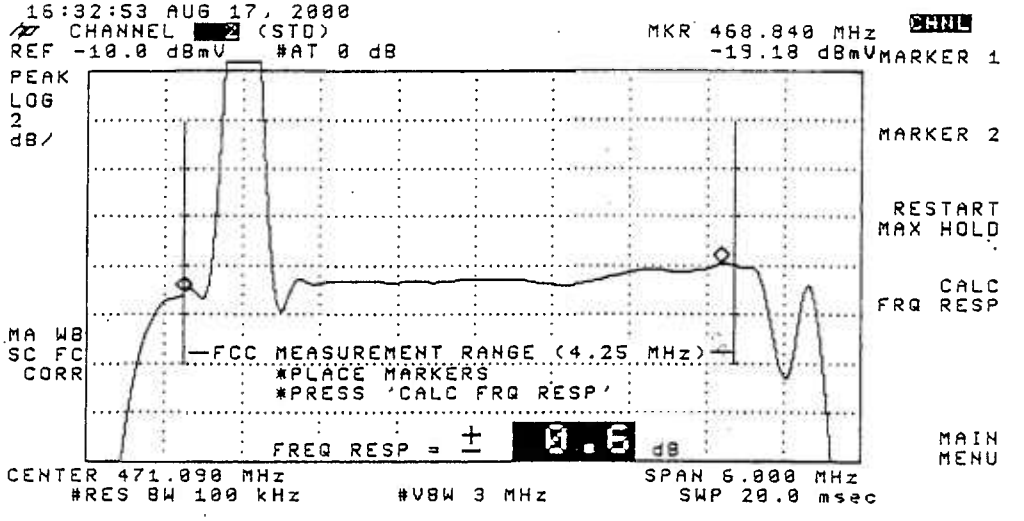

16:28:12 AUG 17, 2000
CHANNEL 3 (STD)
REF -6.4 dBmV
#AT 0 dB
MKR 182.145 MHz
-15.52 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.9 dB
MAIN
MENU
CENTER 183.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

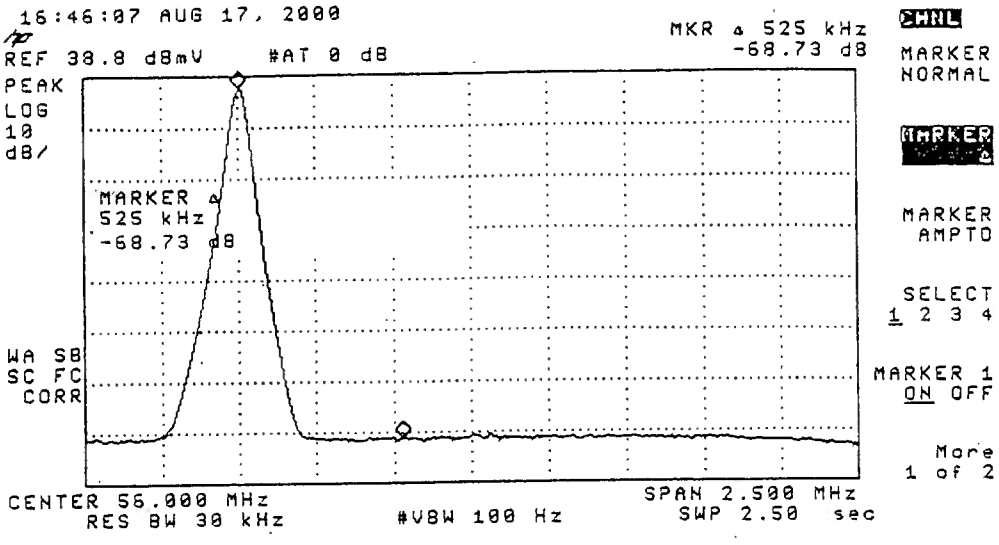

16:28:53 AUG 17, 2000
CHANNEL (STD)
REF -6.3 dBmV
#AT 0 dB
MKR 280.905 MHz
-16.11 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.8 dB
MAIN
MENU
CENTER 279.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

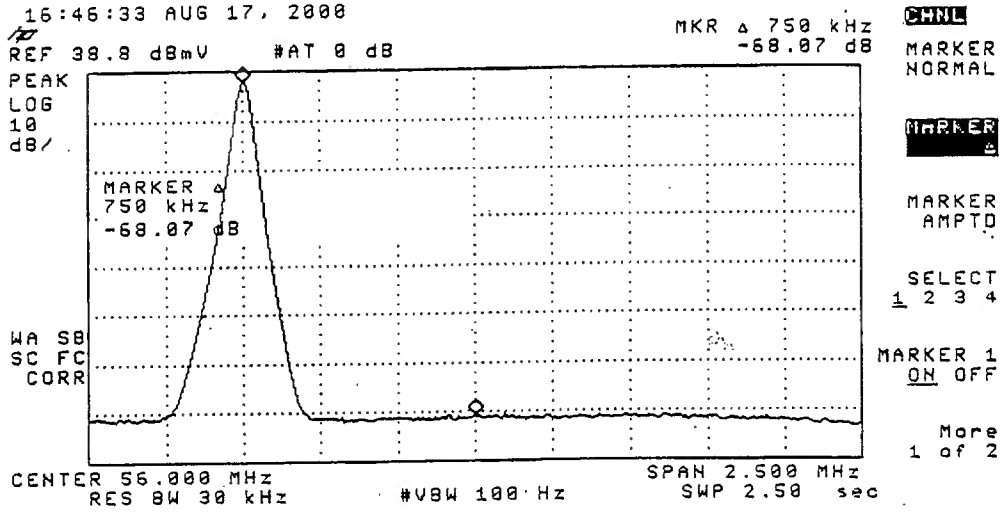

16:29:47 AUG 17, 2000
CHANNEL (STD)
REF -6.6 dBmV
#AT 0 dB
MKR 312.750 MHz
-16.64 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.7 dB
MAIN
MENU
CENTER 315.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

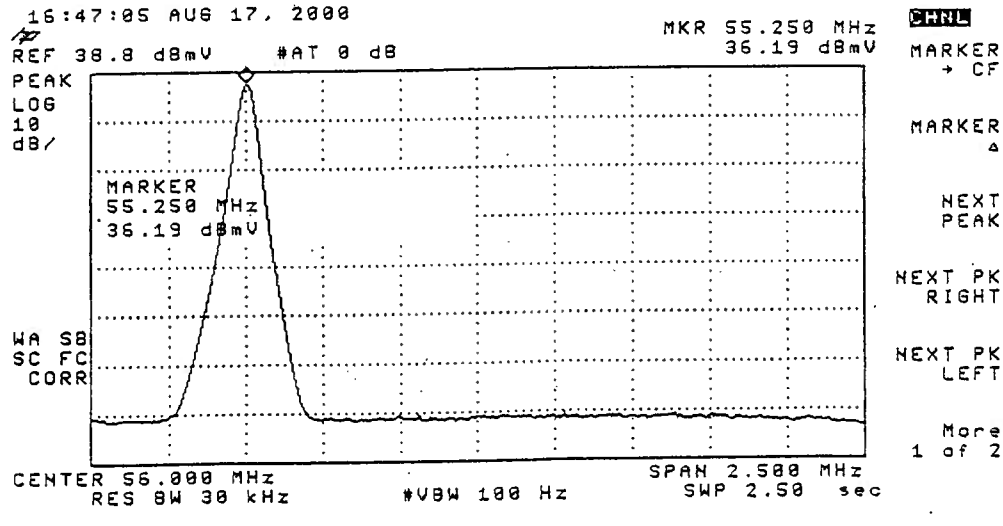

16:30:41 AUG 17, 2000
CHANNEL (STD)
REF -9.6 dBmV
#AT 0 dB
MKR 368.220 MHz
-18.94 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
CENTER 369.120 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

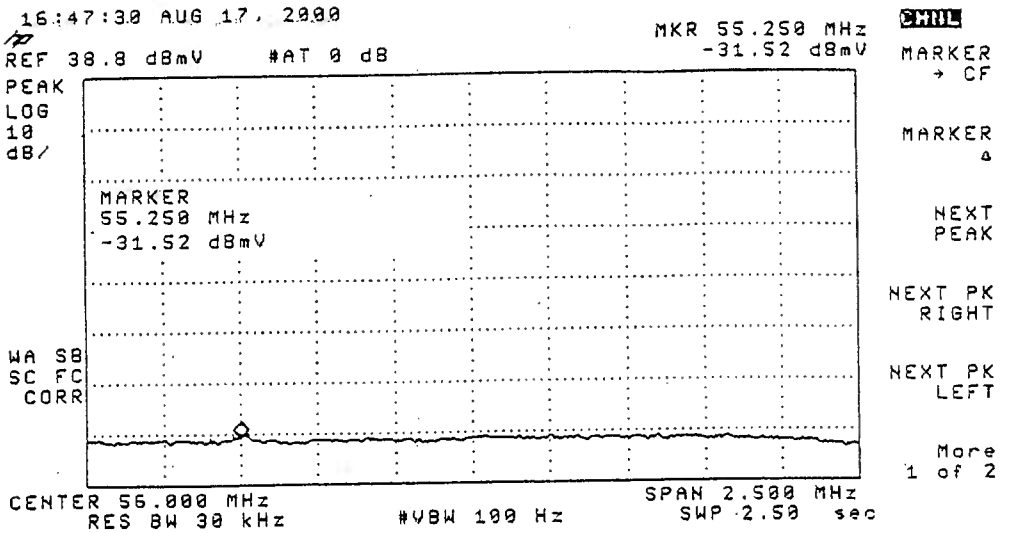

16:31:29 AUG 17, 2000
CHANNEL 2 (STD)
REF -10.2 dBmV
#AT 0 dB
MKR 404.175 MHz
-19.33 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.6 dB
MAIN
MENU
CENTER 405.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


16:32:53 AUG 17, 2000
CHANNEL 2 (STD)
REF -10.0 dBmV
#AT 0 dB
MKR 468.840 MHz
-19.18 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.6 dB
MAIN
MENU
CENTER 471.090 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


16:46:07 AUG 17, 2000
REF 38.8 dBmV
#AT 0 dB
MKR Δ 525 kHz
-68.73 dB
PEAK
LOG
10
dB/
MARKER Δ
525 kHz
-68.73 dB
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec
CHNL
MARKER
NORMAL
MARKER
MARKER
AMPTD
SELECT
1 2 3 4
MARKER 1
ON OFF
More
1 of 2


16:46:33 AUG 17, 2000
REF 38.8 dBmV
#AT 0 dB
MKR Δ 750 kHz
-68.07 dB
PEAK
LOG
10
dB/
MARKER Δ
750 kHz
-68.07 dB
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec
CHNL
MARKER
NORMAL
MARKER
MARKER
AMPTD
SELECT
1 2 3 4
MARKER 1
ON OFF
More
1 of 2


16:47:05 AUG 17, 2000
REF 38.8 dBmV
#AT 0 dB
MKR 55.250 MHz
36.19 dBmV
PEAK
LOG
10
dB/
MARKER
55.250 MHz
36.19 dBmV
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec
CHNL
MARKER
→ CF
MARKER
Δ
NEXT
PEAK
NEXT PK
RIGHT
NEXT PK
LEFT
More
1 of 2


16:47:30 AUG 17, 2000
MKR 55.250 MHz
-31.52 dBmV
EMIL
REF 38.8 dBmV
#AT 0 dB
MARKER
→ CF
PEAK
LOG
10
dB/
MARKER
Δ
MARKER
55.250 MHz
-31.52 dBmV
NEXT
PEAK
NEXT PK
RIGHT
WA SB
SC FC
CORR
NEXT PK
LEFT
More
1 of 2
CENTER 56.000 MHz
SPAN 2.500 MHz
RES BW 30 kHz
#VBW 100 Hz
SWP 2.50 sec

Visual Carrier Level Variation Test 76.605 (a) 4

System Name: Time Warner-Syracuse

Test Point Location: Whiting Rd.

Date: Aug 24-25, 2000 Performed by: P. Bellucci & Scott Williams

Meter Serial Number: 9210390

Chan	Freq. (MHz)	Temp °F 77	75	67	66	Max Variation
		Time 21:46	04:06	09:41	16:01	
		Visual Level (dbmv)				
2	55.2500	16.1	17.0	16.6	14.8	2.2
3	61.2500	17.0	17.8	17.5	16.0	1.8
4	67.2500	17.0	17.8	17.5	15.8	2.0
5	77.2500	16.3	16.9	16.6	15.2	1.7
6	83.2500	16.1	16.9	16.6	15.1	1.8
A-5	91.2500					
A-4	97.2500					
A-3	103.2500					
A-2	109.2750	16.1	17.0	16.7	15.0	2.0
A-1	115.2750	15.2	16.0	15.7	14.0	2.0
A	121.2625	15.1	15.7	15.5	13.7	2.0
B	127.2625	15.3	16.2	15.9	14.2	2.0
C	133.2625	15.6	16.3	16.1	14.6	1.7
D	139.2500	16.2	16.8	16.7	15.0	1.8
E	145.2500	15.9	16.8	16.5	14.9	1.9
F	151.2500	16.2	16.9	16.6	14.9	2.0
G	157.2500	15.3	16.0	15.8	14.2	1.8
H	163.2500	15.7	16.5	16.2	14.1	2.4
I	169.2500	16.0	16.7	16.3	14.9	1.8
7	175.2500	15.8	16.7	16.4	14.8	1.9
8	181.2500	16.6	17.2	16.9	15.2	2.0
9	187.2500	15.7	16.5	16.1	14.2	2.3
10	193.2500	15.5	16.3	16.2	14.3	2.0
11	199.2500	15.8	16.4	16.2	14.4	2.0
12	205.2500	15.2	15.9	15.7	14.0	1.9
13	211.2500	15.0	15.8	15.5	14.1	1.7
J	217.2500	15.3	16.3	15.9	14.1	2.2
K	223.2500	15.5	16.1	15.9	14.1	2.0
L	229.2625	14.9	15.5	15.2	13.6	1.9
M	235.2625	15.4	15.9	15.9	14.1	1.8
N	241.2625	15.6	16.0	16.0	14.2	1.8
O	247.2625	15.1	15.8	15.4	14.1	1.7
P	253.2625	15.4	16.1	15.7	14.1	2.0
Q	259.2625	15.8	16.3	16.2	14.6	1.7
R	265.2625	15.9	16.5	16.5	14.4	2.1
S	271.2625	14.7	16.4	15.6	14.6	1.8
T	277.2625	16.0	16.6	16.2	14.8	1.8
U	283.2625	15.7	16.3	15.9	14.5	1.8
V	289.2625	15.5	16.4	16.1	14.6	1.8
W	295.2625	15.6	16.4	16.2	14.7	1.7

Chan	Freq. (MHz)	Temp °F 77	75	67	66	Max Variation
		Time 21:46	04:06	09:41	16:01	
		Visual Level (dbmv)				
AA	301.2625	15.9	16.4	16.2	14.5	1.9
BB	307.2625	15.4	16.0	15.6	13.8	2.2
CC	313.2625	15.3	16.0	15.6	14.3	1.7
DD	319.2625	14.5	15.5	15.3	13.5	2.0
EE	325.2625	14.1	14.8	14.5	12.9	1.9
FF	331.2750	14.7	15.2	14.9	13.3	1.9
GG	337.2625	14.3	15.0	14.7	13.0	2.0
HH	343.2625	14.0	14.3	14.3	12.6	1.7
II	349.2625	14.5	15.1	14.4	13.0	2.1
JJ	355.2625	14.2	14.7	14.4	13.0	1.7
KK	361.2625	14.2	14.6	14.6	13.0	1.6
LL	367.2625	13.9	14.3	14.1	12.5	1.8
MM	373.2625	13.9	14.5	14.0	12.9	1.6
NN	379.2625	13.9	14.5	14.2	12.6	1.9
OO	385.2625	14.2	14.9	14.5	12.9	2.0
PP	391.2625	14.1	14.3	14.5	12.7	1.8
QQ	397.2625	14.4	15.2	14.8	13.5	1.7
RR	403.2500	14.3	14.6	14.8	13.0	1.8
SS	409.2500	13.8	14.4	14.0	12.1	2.3
TT	415.2500	13.0	14.1	14.1	12.3	1.8
UU	421.2500	13.4	13.4	12.7	12.3	1.1
VV	427.2500	13.3	13.9	13.6	11.7	2.2
WW	433.2500	13.9	14.3	14.1	12.5	1.8
XX	439.2500	12.8	13.2	13.2	11.7	1.5
YY	445.2500	12.5	13.0	12.9	11.4	1.6
ZZ	451.2500	12.8	12.8	11.6	11.7	1.2
63	457.2500	13.3	13.9	13.7	12.1	1.8
64	463.2500	12.3	12.9	12.5	10.9	2.0
65	469.2500	12.8	13.7	13.1	11.6	2.1
66	475.2500	12.9	14.1	13.4	11.9	2.2
67	481.2500	12.9	13.5	14.0	12.3	1.7
68	487.2500	12.9	13.9	13.3	12.2	1.7
69	493.2500	12.6	13.4	12.8	11.5	1.9
70	499.2500	12.7	13.4	12.9	11.2	2.2
71	505.2500	12.2	13.3	13.2	10.9	2.4
72	511.2500	13.4	13.9	14.3	12.3	2.0
73	517.2500	12.1	13.2	13.3	11.4	1.9
74	523.2500	12.8	13.2	13.3	11.5	1.8
75	529.2500	13.3	13.7	13.4	11.7	2.0
76	535.2500	13.4	13.3	13.6	11.0	2.6
77	541.2500	13.9	13.9	14.1	12.5	1.6
78	547.2500	13.3	13.2	13.5	11.5	2.0

Max NonAdjacent Channel Level Diff.	5.9
Max Adjacent Channel Level Diff.	2.1

Max Variance from last proof-of-performance test	4
Date of last proof-of-performance test	Feb 2000

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

TestPoint 7 Page 5 of 5

TIME WARNER CABLE
SYRACUSE DIVISION

Proof-of-Performance Tests

System Name: Time Warner-Syracuse

System Test Point # 8

Location: McClary Rd.

Community: Lafayette

Pole Number: 91/105

D.T. Value: 23-4

Map Number: 31-26

OR Number: 167

Trunk Cascade: 4 LE Cascade: 1

Visual Carrier Level

Visual / Aural Level Difference

(at Test Point, at The End of a 100' Drop)

System Name: Time Warner - Syracuse

Test Location: McClary Rd.

Date: 24-Aug-00

Time: 09:02 AM

Chan	Freq. (MHz)	Visual Level (dbmv)	Aural Level (dbmv)	Scrai "S"	Diff. (Dbmv)	Chan	Freq. (MHz)	Visual Level (dbmv)	Aural Level (dbmv)	Scrai "S"	Diff. (Dbmv)
2	55.2500	6.6	-7.0		13.6	AA	289.2625	11.0	-2.1		13.1
3	61.2500	7.2	-7.3		14.5	BB	307.2625	11.8	-2.2		14.0
4	67.2500	7.4	-7.8		15.2	CC	313.2625	11.7	-2.5		14.2
5	77.2500	6.8	-7.3		14.1	DD	319.2625	11.8	-0.9		12.7
6	83.2500	7.2	-7.0		14.2	EE	325.2625	12.5	-0.1		12.6
						FF	331.2750	12.3	-1.4		13.7
						GG	337.2625	12.4	-2.1		14.5
A-5	91.2500					HH	343.2625	11.6	-2.1		13.7
A-4	97.2500					II	349.2625	12.9	-1.1		14.0
A-3	103.2500					JJ	355.2625	12.9	-1.4		14.3
A-2	109.2750	7.8	-6.0		13.8	KK	361.2625	12.6	-1.7		14.3
A-1	115.2750	8.0	-5.0	S	13.0	LL	367.2625	12.6	-1.5		14.1
A	121.2625	8.0	-4.6		12.6	MM	373.2625	13.0	-1.4		14.4
B	127.2625	8.8	-3.8		12.6	NN	379.2625	12.8	-1.3		14.1
C	133.2625	9.3	-4.8		14.1	OO	385.2625	12.3	-1.3		13.6
D	139.2500	9.2	-4.6		13.8	PP	391.2625	12.6	-1.4		14.0
E	145.2500	9.4	-4.2		13.6	QQ	397.2625	12.7	-2.0		14.7
F	151.2500	9.3	-4.8		14.1	RR	403.2500	12.9	-1.7		14.6
G	157.2500	10.3	-3.6		13.9	SS	409.2500	12.4	-0.6		13.0
H	163.2500	10.0	-3.6		13.6	TT	415.2500	11.9	-2.0	S	13.9
I	169.2500	10.2	-4.1		14.3	UU	421.2500	12.3	-2.0	S	14.3
7	175.2500	10.2	-4.4		14.6	VV	427.2500	11.6	-2.9		14.5
8	181.2500	9.1	-5.0		14.1	WW	433.2500	10.8	-3.3		14.1
9	187.2500	9.8	-3.9		13.7	XX	439.2500	11.1	-3.4		14.5
10	193.2500	10.1	-4.0		14.1	YY	445.2500	11.0	-3.4		14.4
11	199.2500	9.6	-4.7		14.3	ZZ	451.2500	8.7	-4.7	S	13.4
12	205.2500	9.3	-4.9		14.2	63	457.2500	9.5	-3.9	S	13.4
13	211.2500	9.1	-5.5		14.6	64	463.2500	10.0	-3.6	S	13.6
J	217.2500	9.2	-6.0		15.2	65	469.2500	9.7	-5.5		15.2
K	223.2500	8.6	-5.8		14.4	66	475.2500	8.3	-6.6	S	14.9
L	229.2625	8.7	-5.4		14.1	67	481.2500	8.1	-4.5	S	12.6
M	235.2625	8.6	-5.7		14.3	68	487.2500	8.1	-5.0	S	13.1
N	241.2625	8.4	-5.3		13.7	69	493.2500	9.1	-5.0	S	14.1
O	247.2625	8.6	-5.3		13.9	70	499.2500	9.2	-3.7	S	12.9
P	253.2625	8.9	-5.2		14.1	71	505.2500	10.3	-3.7	S	14.0
Q	259.2625	9.0	-4.9		13.9	72	511.2500	9.8	-2.7	S	12.5
R	265.2625	9.6	-4.5		14.1	73	517.2500	9.8	-3.8	S	13.6
S	271.2625	9.1	-4.8		13.9	74	523.2500	11.0	-2.7	S	13.7
T	277.2625	9.4	-4.2		13.6	75	529.2500	12.0	-2.0		14.0
U	283.2625	10.0	-3.8		13.8	76	535.2500	12.0	-1.9	S	13.9
V	289.2625	10.1	-3.9		14.0	77	541.2500	11.2	-2.8	S	14.0
W	283.2625	10.4	-3.6		14.0	78	547.2500	12.6	-2.1	S	14.7

PEAK TO VALLEY: 6.4

IN-CHANNEL RESPONSE Test

CARRIER - TO - NOISE Test

COHERENT DISTURBANCES Test

LOW FREQUENCY DISTURBANCES Test

System Name: Time Warner-Syracuse **Date:** August 2000

Test Performed By: Patrick Thrall

Location: McClary Rd.

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

Channel Number	In Channel Response	Carrier To Noise Ratio	Distortions (-dBc)			
	(+/- dB)	(dB)	CTB	CSO	XMOD	(%)
2	0.6	49	67.8	69.4	69.9	0.4
A	1.7	48.9	66.8	68		
H	1	49	64.3	68.5		
8	1	48.5	65	68		
T	0.7	48.6	61.5	67.5		
CC	0.3	48.2	60.7	64		
LL	0.5	48	60	63		
RR	0.7	48.4	60.1	63.4		
CCC	0.5	47.9	58.7	62.5		

Time Warner Cable
Syracuse Division

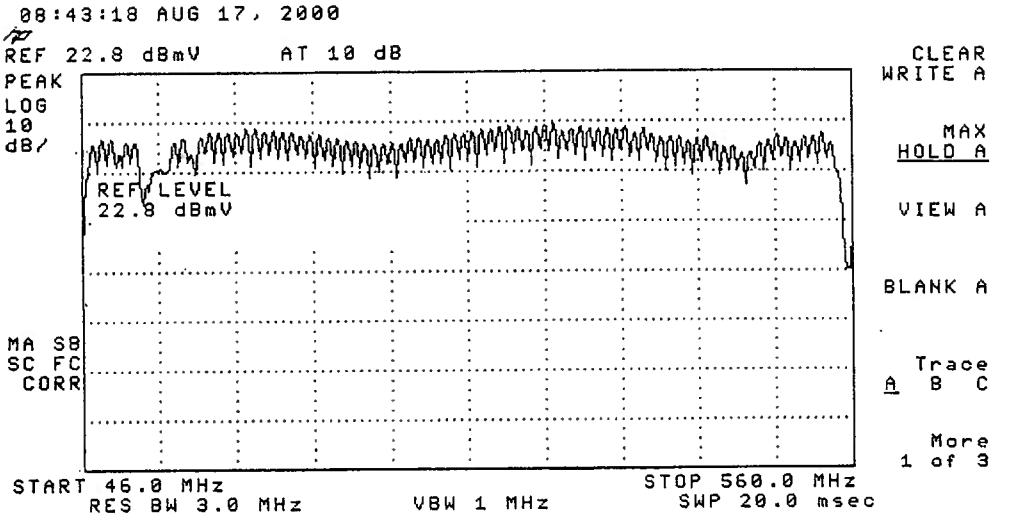
IN - CHANNEL FREQUENCY RESPONSE TEST

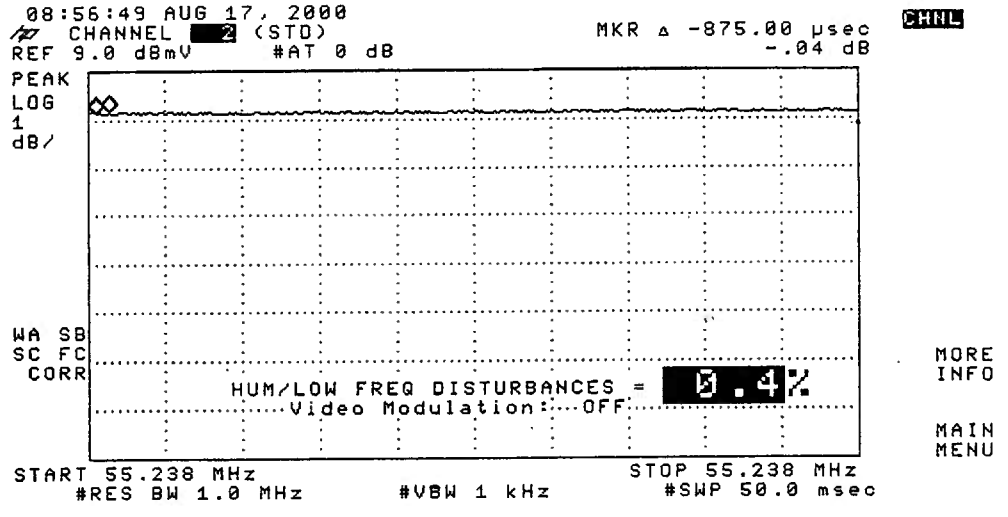
(76.605 (a) 6)

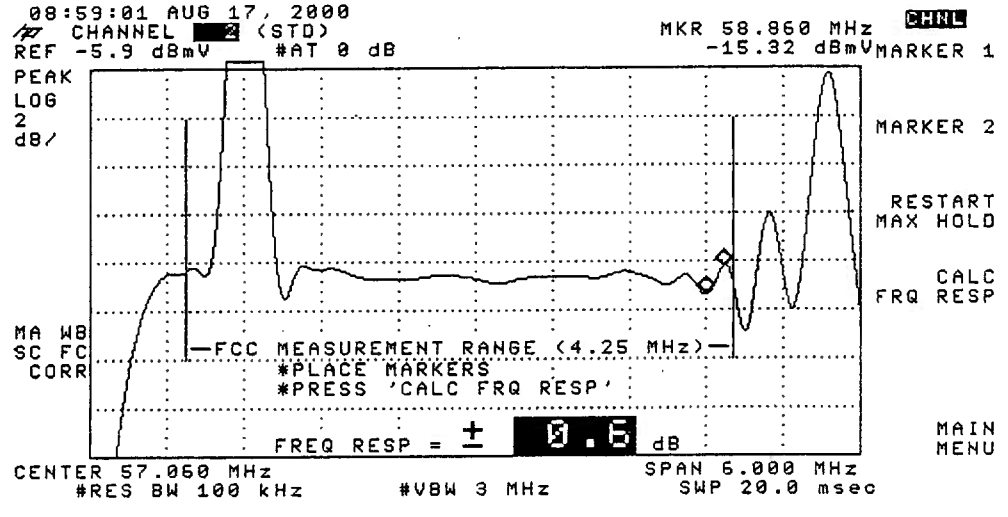
System Name: Time Warner-Syracuse Date: August 2000

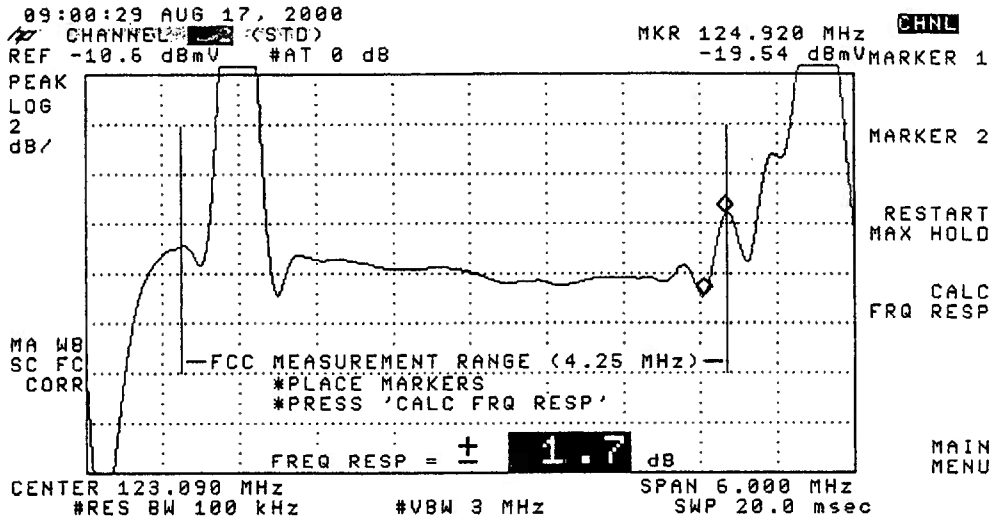
Test Performed By Pat Thrall Location: McClary Rd.

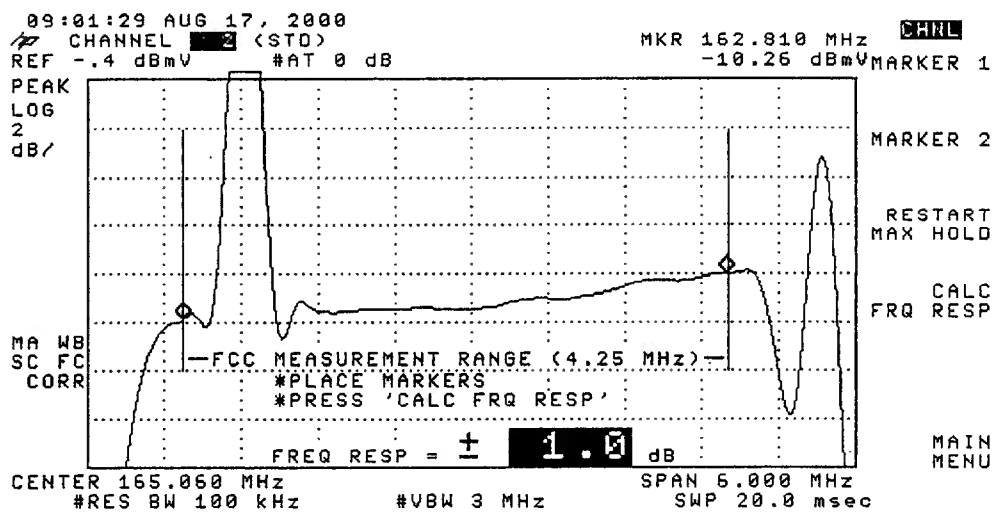
(SEE THE ATTATCHED SWEEP TRACES)

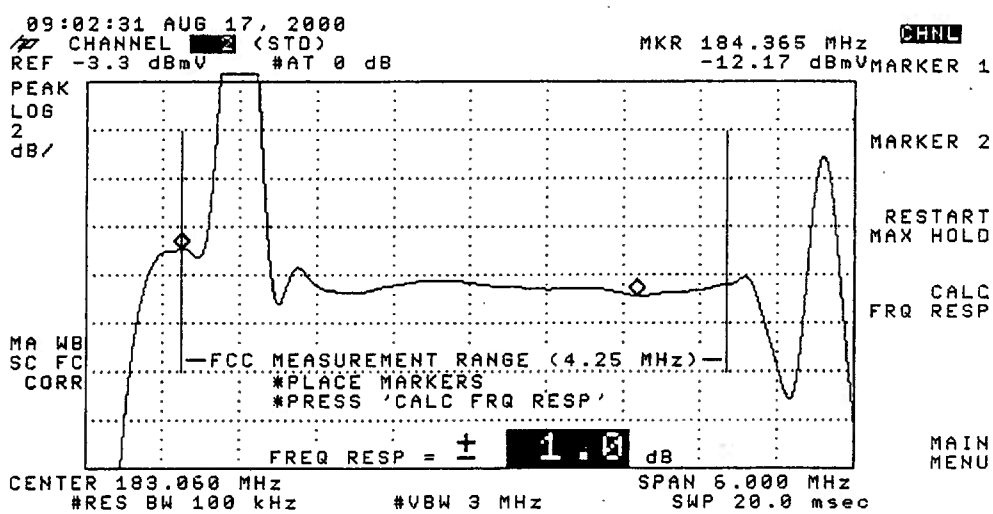

08:43:18 AUG 17, 2000
REF 22.8 dBmV
AT 10 dB
PEAK
LOG
10
dB/
REF LEVEL
22.8 dBmV
MA SB
SC FC
CORR
START 46.0 MHz
RES BW 3.0 MHz
VBW 1 MHz
STOP 560.0 MHz
SWP 20.0 msec
CLEAR
WRITE A
MAX
HOLD A
VIEW A
BLANK A
Trace
A B C
More
1 of 3

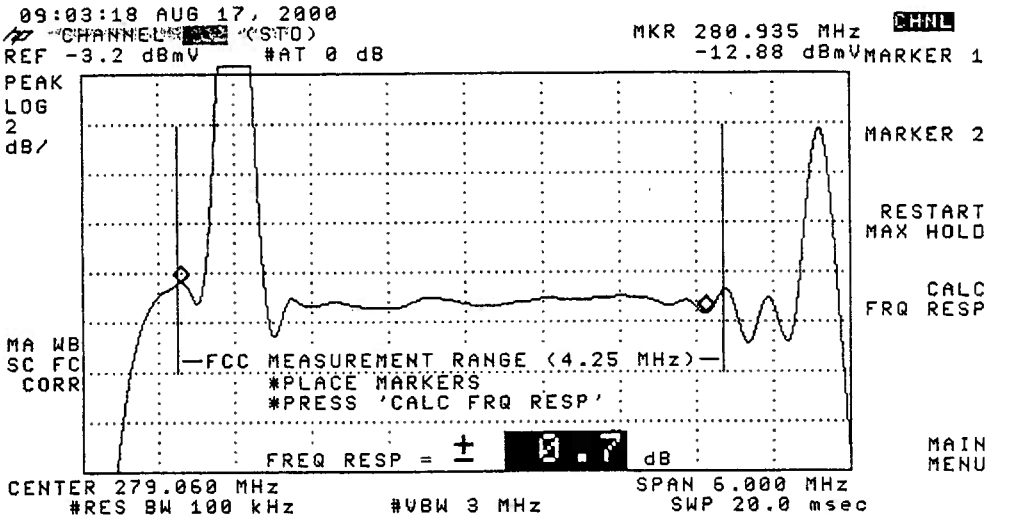

08:56:49 AUG 17, 2000
CHANNEL 2 (STD)
REF 9.0 dBmV
#AT 0 dB
MKR Δ -875.00 µsec
-.04 dB
CHNL
PEAK
LOG
1
dB/
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = 0.4%
Video Modulation: OFF
START 55.238 MHz
#RES BW 1.0 MHz
#VBW 1 kHz
STOP 55.238 MHz
#SWP 50.0 msec
MORE
INFO
MAIN
MENU

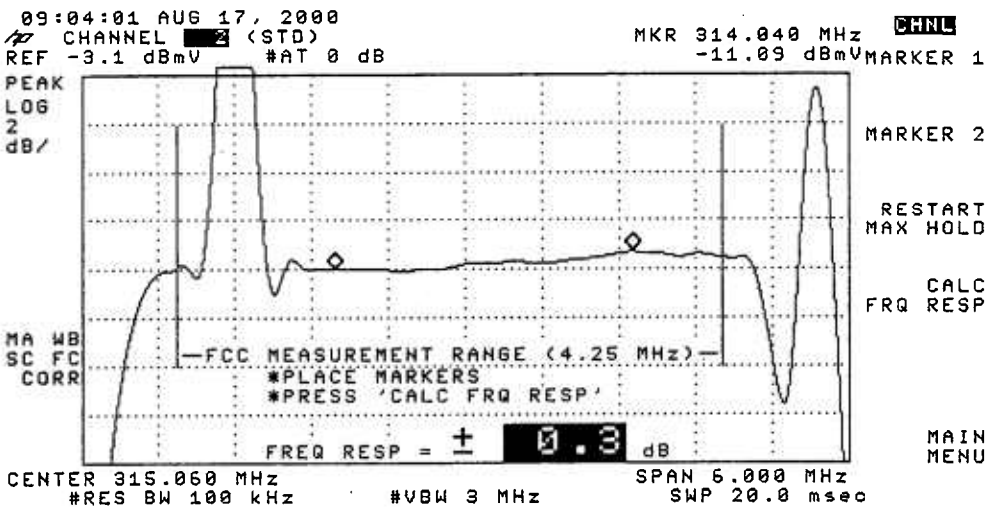

08:59:01 AUG 17, 2000
CHANNEL 2 (STD)
REF -5.9 dBmV
#AT 0 dB
MKR 58.860 MHz
-15.32 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.6 dB
MAIN
MENU
CENTER 57.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

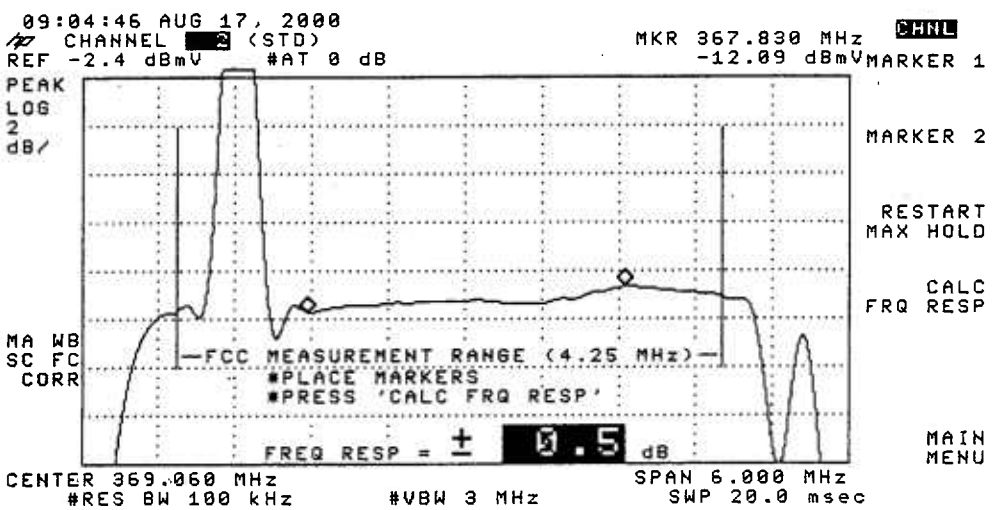

09:00:29 AUG 17, 2000
CHANNEL 2 (STD)
REF -10.6 dBmV
#AT 0 dB
MKR 124.920 MHz
-19.54 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 1.7 dB
MAIN
MENU
CENTER 123.090 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

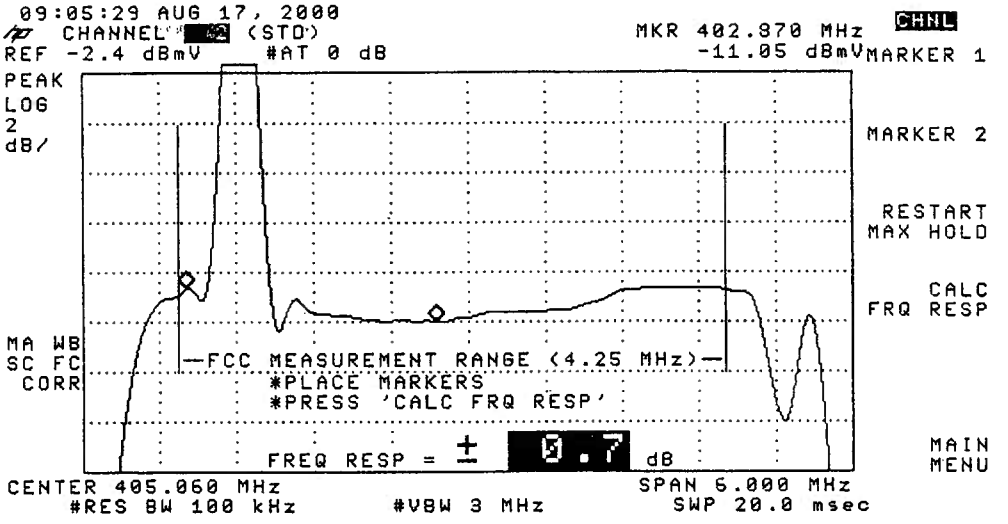

09:01:29 AUG 17, 2000
CHANNEL 2 (STD)
REF -.4 dBmV
#AT 0 dB
MKR 162.810 MHz
-10.26 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 1.0 dB
MAIN
MENU
CENTER 165.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

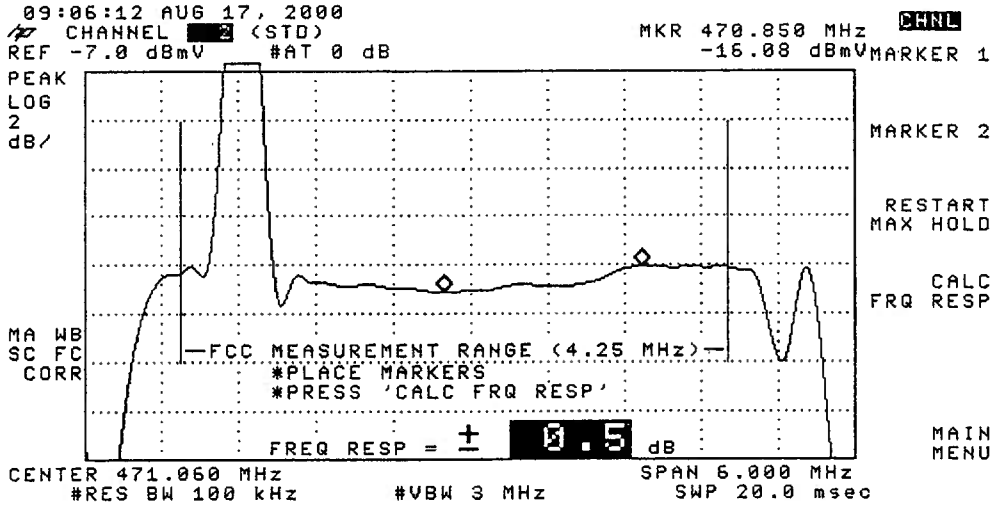

09:02:31 AUG 17, 2000
CHANNEL 2 (STD)
REF -3.3 dBmV
#AT 0 dB
MKR 184.365 MHz
-12.17 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 1.0 dB
MAIN
MENU
CENTER 183.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

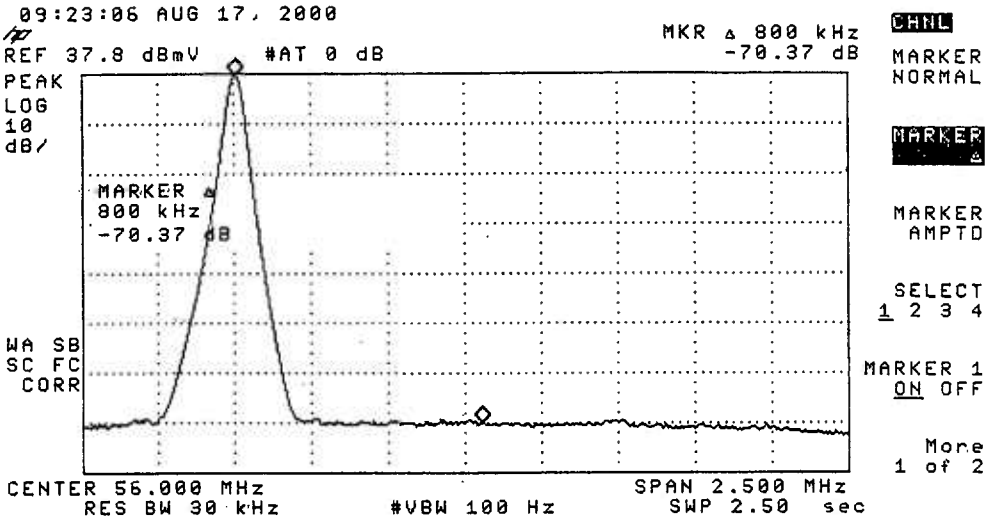

09:03:18 AUG 17, 2000
CHANNEL (STD)
REF -3.2 dBmV
#AT 0 dB
MKR 280.935 MHz
-12.88 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.7 dB
MAIN
MENU
CENTER 279.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

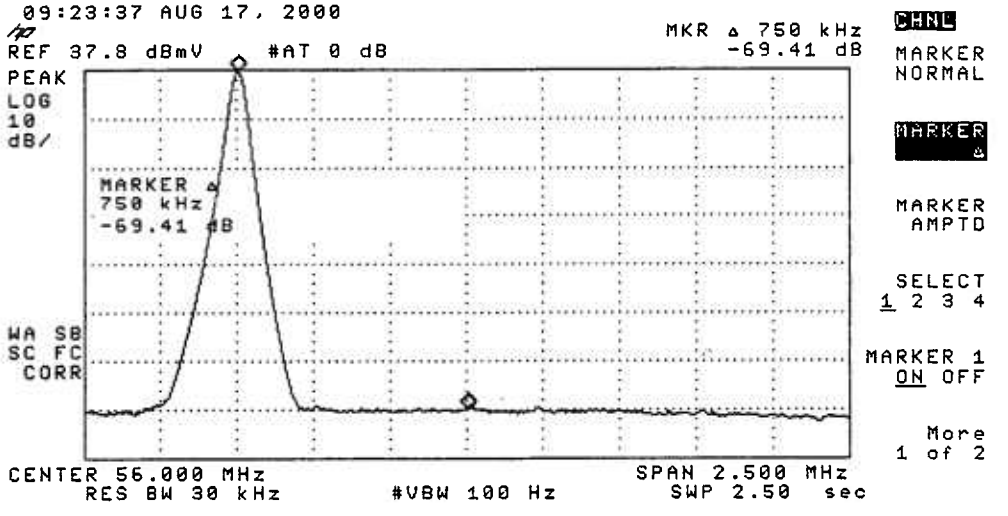

09:04:01 AUG 17, 2000
CHANNEL (STD)
REF -3.1 dBmV
#AT 0 dB
MKR 314.040 MHz
-11.09 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
CENTER 315.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

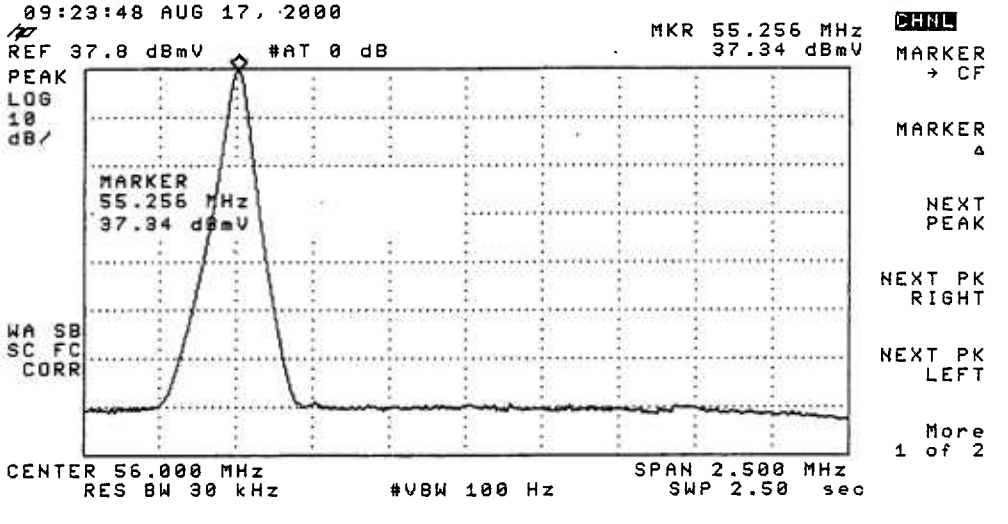

09:04:46 AUG 17, 2000
CHANNEL (STD)
REF -2.4 dBmV
#AT 0 dB
MKR 367.830 MHz
-12.09 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
CENTER 369.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

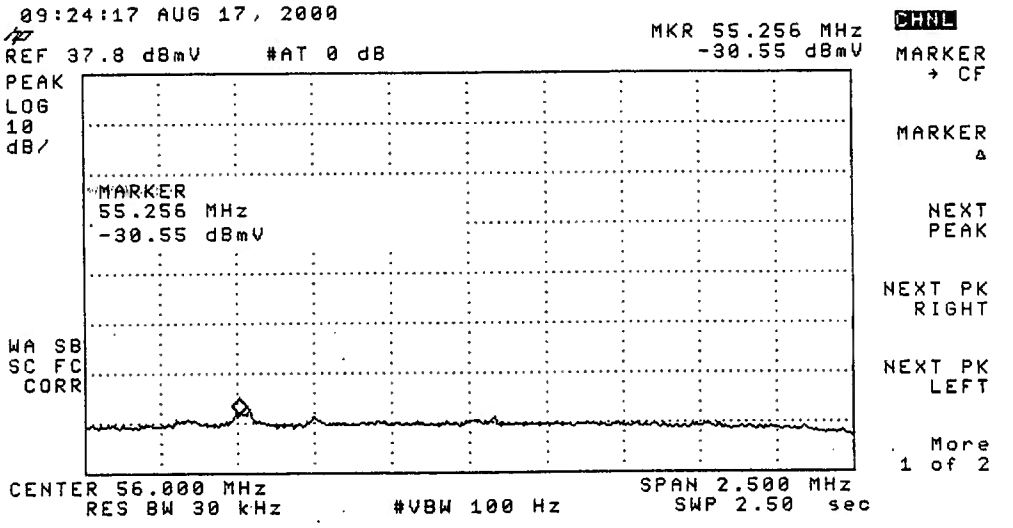

09:05:29 AUG 17, 2000
CHANNEL 2 (STD)
REF -2.4 dBmV
#AT 0 dB
MKR 402.870 MHz
-11.05 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.7 dB
MAIN
MENU
CENTER 405.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


09:06:12 AUG 17, 2000
CHANNEL 2 (STD)
REF -7.0 dBmV
#AT 0 dB
MKR 470.850 MHz
-16.08 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
CENTER 471.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


09:23:06 AUG 17, 2000
REF 37.8 dBmV
#AT 0 dB
MKR Δ 800 kHz
-70.37 dB
PEAK
LOG
10
dB/
MARKER Δ
800 kHz
-70.37 dB
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec
CHNL
MARKER
NORMAL
MARKER
MARKER
AMPTD
SELECT
1 2 3 4
MARKER 1
ON OFF
More
1 of 2


09:23:37 AUG 17, 2000
REF 37.8 dBmV
#AT 0 dB
MKR Δ 750 kHz
-69.41 dB
PEAK
LOG
10
dB/
MARKER Δ
750 kHz
-69.41 dB
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec
CHNL
MARKER
NORMAL
MARKER
MARKER
AMPTD
SELECT
1 2 3 4
MARKER 1
ON OFF
More
1 of 2


09:23:48 AUG 17, 2000
REF 37.8 dBmV
#AT 0 dB
MKR 55.256 MHz
37.34 dBmV
PEAK
LOG
10
dB/
MARKER
55.256 MHz
37.34 dBmV
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec
CHNL
MARKER
→ CF
MARKER
Δ
NEXT
PEAK
NEXT PK
RIGHT
NEXT PK
LEFT
More
1 of 2


09:24:17 AUG 17, 2000
REF 37.8 dBmV
#AT 0 dB
MKR 55.256 MHz
-30.55 dBmV
CHNL
MARKER
→ CF
MARKER
Δ
NEXT
PEAK
NEXT PK
RIGHT
NEXT PK
LEFT
More
1 of 2
PEAK
LOG
10
dB/
MARKER
55.256 MHz
-30.55 dBmV
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec

Visual Carrier Level Variation Test 76.605 (a) 4

System Name: Time Warner-Syracuse

Test Point Location: McClary Rd.

Date: Aug 24-25, 2000 Performed by: R. Wentworth & P. Loran

Meter Serial Number: 9210392

Chan	Freq. (MHz)	Temp °F				Max Variation	Chan	Freq. (MHz)	Temp °F				Max Variation
		75	76	71	70				75	76	71	70	
		Time							Time				
		09:02	15:05	21:01	03:00				09:02	15:05	21:01	03:00	
		Visual Level (dbmv)							Visual Level (dbmv)				
2	55.2500	5.9	9.5	5.0	8.5	4.5	AA	301.2625	11.0	11.8	11.3	11.6	0.8
3	61.2500	7.2	10.4	6.1	9.3	4.3	BB	307.2625	11.8	12.1	11.9	12.2	0.4
4	67.2500	7.0	10.2	5.9	9.2	4.3	CC	313.2625	11.7	12.3	12.0	12.4	0.7
5	77.2500	6.8	9.7	5.8	8.9	3.9	DD	319.2625	11.8	12.5	12.0	12.4	0.7
6	83.2500	7.2	10.0	6.3	9.1	3.7	EE	325.2625	12.5	13.2	12.5	12.7	0.7
							FF	331.2750	13.2	13.1	13.4	13.6	0.5
							GG	337.2625	12.4	13.0	12.7	13.1	0.7
A-5	91.2500						HH	343.2625	11.6	12.2	12.1	12.5	0.9
A-4	97.2500						II	349.2625	12.9	13.2	13.1	13.2	0.3
A-3	103.2500						JJ	355.2625	12.9	13.0	13.0	13.2	0.3
A-2	109.2750	7.8	10.3	7.2	9.4	3.1	KK	361.2625	12.6	13.2	12.8	13.0	0.6
A-1	115.2750	8.0	10.6	7.4	9.6	3.2	LL	367.2625	12.6	12.8	12.7	12.6	0.2
A	121.2625	8.0	10.4	7.2	9.4	3.2	MM	373.2625	13.0	13.2	13.2	12.9	0.3
B	127.2625	8.8	11.0	8.0	10.1	3.0	NN	379.2625	12.8	12.9	13.1	12.8	0.3
C	133.2625	9.3	11.4	8.9	10.6	2.5	OO	385.2625	12.3	12.7	12.5	12.6	0.4
D	139.2500	9.2	11.5	9.0	10.8	2.5	PP	391.2625	12.6	12.9	12.9	13.0	0.4
E	145.2500	9.4	11.3	9.0	10.7	2.3	QQ	397.2625	12.7	13.0	13.0	13.1	0.4
F	151.2500	9.3	11.4	9.4	11.0	2.1	RR	403.2500	12.9	12.7	13.2	13.2	0.5
G	157.2500	10.3	12.3	10.0	11.4	2.3	SS	409.2500	13.1	13.5	13.4	13.5	0.4
H	163.2500	10.0	11.9	9.7	11.2	2.2	TT	415.2500	11.9	10.9	11.1	12.1	1.2
I	169.2500	10.2	11.7	10.1	10.8	1.6	UU	421:2500	12.3	11.6	12.0	12.0	0.7
7	175.2500	10.2	12.0	10.0	11.3	2.0	VV	427.2500	11.6	11.6	11.8	11.9	0.3
8	181.2500	9.1	10.6	8.9	10.0	1.7	WW	433.2500	10.8	11.1	11.0	11.2	0.4
9	187.2500	9.8	11.6	9.9	10.7	1.8	XX	439.2500	11.1	11.1	11.5	11.1	0.4
10	193.2500	10.1	11.5	10.1	10.8	1.4	YY	445.2500	11.0	10.8	11.2	11.4	0.6
11	199.2500	9.6	10.9	9.6	10.5	1.9	ZZ	451.2500	8.7	9.2	9.9	10.3	1.6
12	205.2500	9.3	10.7	9.3	10.3	1.4	63	457.2500	9.5	9.5	10.0	10.4	0.9
13	211.2500	9.1	10.4	9.4	10.1	1.3	64	463.2500	10.0	9.5	10.3	10.0	0.8
J	217.2500	9.2	10.2	9.4	10.0	1.0	65	469.2500	9.7	9.2	10.1	10.3	1.1
K	223.2500	8.6	9.8	8.7	9.4	1.2	66	475.2500	8.3	7.6	8.6	8.8	1.2
L	229.2625	8.7	9.9	8.8	9.5	1.2	67	481.2500	8.1	8.3	9.1	9.2	1.1
M	235.2625	8.6	9.5	8.6	9.2	0.9	68	487.2500	8.1	8.6	8.0	7.9	0.7
N	241.2625	8.4	9.2	8.3	9.0	0.9	69	493.2500	9.1	9.2	8.9	8.7	0.5
O	247.2625	8.6	9.6	8.6	9.3	1.0	70	499.2500	9.2	10.2	10.1	9.4	1.0
P	253.2625	8.9	9.8	9.0	9.5	0.9	71	505.2500	10.3	10.0	10.0	9.9	0.4
Q	259.2625	9.0	9.8	8.8	9.5	1.0	72	511.2500	9.8	10.6	10.8	10.5	1.0
R	265.2625	9.6	10.1	9.8	10.1	0.5	73	517.2500	9.8	10.1	10.5	10.0	0.7
S	271.2625	9.1	9.8	9.1	9.4	0.7	74	523.2500	11.0	10.5	11.2	11.2	0.7
T	277.2625	9.4	10.4	9.8	10.2	1.0	75	529.2500	12.0	11.8	12.0	12.0	0.2
U	283.2625	10.0	10.7	10.4	10.6	0.7	76	535.2500	12.0	11.2	11.7	12.7	1.5
V	289.2625	10.1	10.5	10.1	10.5	0.4	77	541.2500	11.2	10.1	11.4	11.4	1.3
W	295.2625	10.4	11.3	10.6	11.1	0.9	78	547.2500	12.6	12.3	12.6	12.3	0.3

Max NonAdjacent Channel Level Diff. .	8.4
Max Adjacent Channel Level Diff.	2.6

Max Variance from last proof-of-performance test	7.4
Date of last proof-of-performance test	Feb 2000

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

TIME WARNER CABLE
SYRACUSE DIVISION

Proof-of-Performance Tests

System Name: Time Warner-Syracuse

System Test Point # 9

Location: Fly Rd.

Community: E.Syracuse

Pole Number: 5/69

D.T. Value: 17-4

Map Number: 19-29d

OR Number: 104

Trunk Cascade: 6 LE Cascade:

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

System Name: Time Warner - Syracuse

Test Location: Fly Rd.

Date: 24-Aug-00

Time: 09:49 AM

Chan	Freq. (MHz)	Visual Level (dbmv)	Aural Level (dbmv)	Scra "S"	Diff (Dbmv)	Chan	Freq. (MHz)	Visual Level (dbmv)	Aural Level (dbmv)	Scra "S"	Diff (Dbmv)
2	55.2500	11.5	-0.9		12.4	AA	289.2625	11.5	-1.8		13.3
3	61.2500	11.3	-1.5		12.8	BB	307.2625	11.4	-2.3		13.7
4	67.2500	11.1	-2.5		13.6	CC	313.2625	11.4	-3.3		14.7
5	77.2500	11.4	-3.5		14.9	DD	319.2625	11.0	-1.9		12.9
6	83.2500	11.2	-3.3		14.5	EE	325.2625	11.3	-2.3		13.6
						FF	331.2750	11.1	-3.1		14.2
						GG	337.2625	10.7	-3.3		14.0
A-5	91.2500					HH	343.2625	9.9	-4.4		14.3
A-4	97.2500					II	349.2625	10.1	-4.4		14.5
A-3	103.2500					JJ	355.2625	9.3	-4.8		14.1
A-2	109.2750	9.0	-4.5		13.5	KK	361.2625	9.5	-5.0		14.5
A-1	115.2750	9.5	-3.3	S	12.8	LL	367.2625	8.8	-5.3		14.1
A	121.2625	9.4	-3.3		12.7	MM	373.2625	9.0	-5.1		14.1
B	127.2625	10.1	-2.8		12.9	NN	379.2625	9.0	-5.1		14.1
C	133.2625	10.7	-3.7		14.4	OO	385.2625	9.0	-5.1		14.1
D	139.2500	10.4	-4.1		14.5	PP	391.2625	8.3	-5.6		13.9
E	145.2500	10.4	-3.6		14.0	QQ	397.2625	8.6	-6.0		14.6
F	151.2500	10.4	-3.9		14.3	RR	403.2500	8.5	-5.6		14.1
G	157.2500	11.2	-3.0		14.2	SS	409.2500	10.0	-4.1		14.1
H	163.2500	10.7	-3.2		13.9	TT	415.2500	8.6	-5.4	S	14.0
I	169.2500	10.3	-4.1		14.4	UU	421.2500	8.9	-3.6	S	12.5
7	175.2500	10.4	-3.6		14.0	VV	427.2500	8.8	-5.5		14.3
8	181.2500	9.2	-4.2		13.4	WW	433.2500	8.7	-5.2		13.9
9	187.2500	10.7	-3.4		14.1	XX	439.2500	9.1	-4.7		13.8
10	193.2500	10.7	-3.6		14.3	YY	445.2500	9.4	-4.8		14.2
11	199.2500	10.3	-4.1		14.4	ZZ	451.2500	7.3	-6.6	S	13.9
12	205.2500	10.0	-4.5		14.5	63	457.2500	7.4	-5.0	S	12.4
13	211.2500	9.3	-5.4		14.7	64	463.2500	8.3	-3.9	S	12.2
J	217.2500	9.1	-6.0		15.1	65	469.2500	9.1	-5.8		14.9
K	223.2500	8.4	-5.8		14.2	66	475.2500	8.3	-6.7	S	15.0
L	229.2625	8.5	-5.2		13.7	67	481.2500	7.3	-4.8	S	12.1
M	235.2625	8.6	-5.6		14.2	68	487.2500	7.8	-5.8	S	13.6
N	241.2625	8.3	-5.6		13.9	69	493.2500	8.0	-6.7	S	14.7
O	247.2625	8.5	-5.2		13.7	70	499.2500	7.2	-6.3	S	13.5
P	253.2625	8.8	-5.0		13.8	71	505.2500	7.6	-6.6	S	14.2
Q	259.2625	9.0	-4.9		13.9	72	511.2500	8.0	-5.6	S	13.6
R	265.2625	9.6	-4.4		14.0	73	517.2500	7.7	-7.2	S	14.9
S	271.2625	8.9	-3.9		12.8	74	523.2500	7.2	-7.0	S	14.2
T	277.2625	10.5	-3.4		13.9	75	529.2500	7.4	-6.9		14.3
U	283.2625	10.7	-3.4		14.1	76	535.2500	7.3	-6.0	S	13.3
V	289.2625	10.8	-3.2		14.0	77	541.2500	7.2	-6.7	S	13.9
W	283.2625	11.1	-3.1		14.2	78	547.2500	8.9	-6.5	S	15.4

PEAK TO VALLEY: 4.3

IN CHANNEL RESPONSE Test

CARRIER - TO - NOISE Test

COHERENT DISTURBANCES Test

LOW FREQUENCY DISTURBANCES Test

System Name: Time Warner-Syracuse **Date:** August 2000

Test Performed By: Patrick Thrall

Location: Fly Rd.

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

Channel Under Test	In Channel Response	Carrier To Noise Ratio	Distortions (-dBc)			Hum
	(+/- dB)	(dB)	CTB	CSO	XMOD	(%)
2	0.9	48.2	67.5	68.1	70.1	0.9
A	0.7	48.2	65.3	67.8		
H	0.7	48	64.8	67.7		
8	1.1	48.1	63.8	68		
T	0.6	47.5	60.5	65.1		
CC	0.3	48.6	62	63.7		
LL	0.3	48.2	59	64		
RR	0.5	47.5	57.7	63		
CCC	0.5	47.5	58	61.8		

Time Warner Cable
Syracuse Division

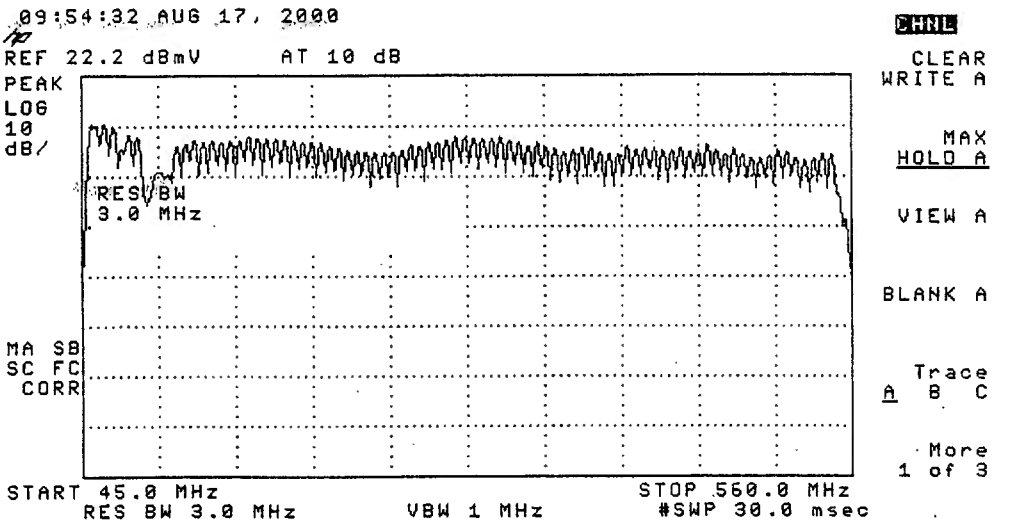
IN - CHANNEL FREQUENCY RESPONSE TEST

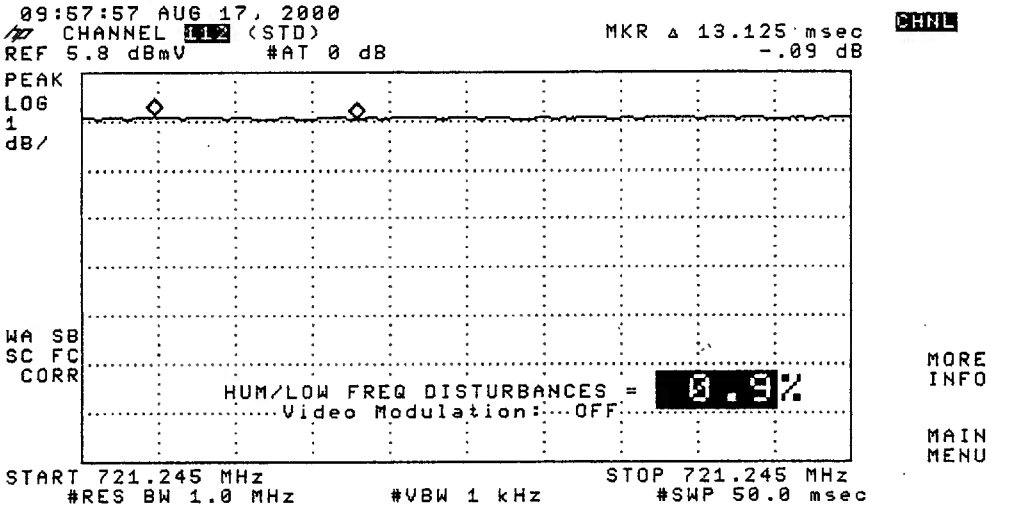
(76.605 (a) 6)

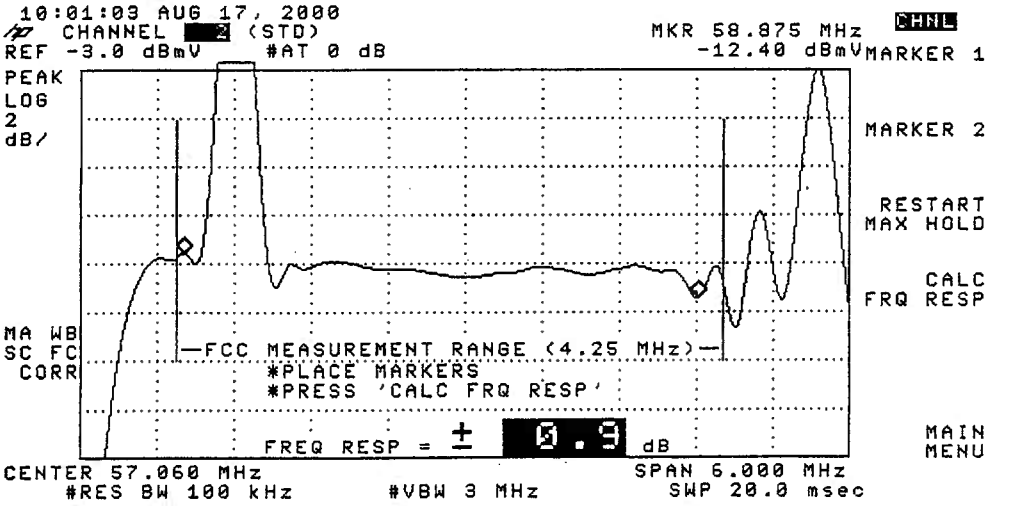
System Name: Time Warner-Syracuse Date: August 2000

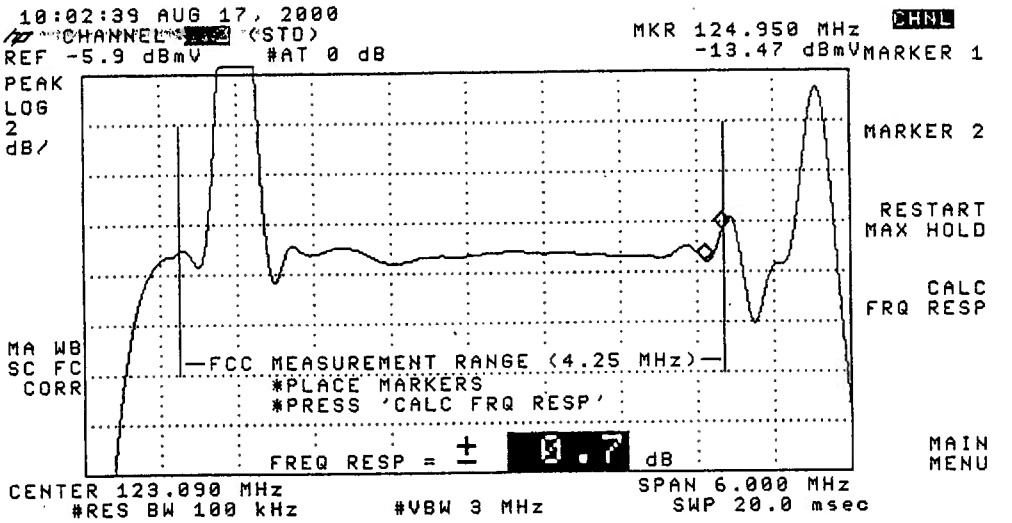
Test Performed By Pat Thrall Location: Fly Rd.

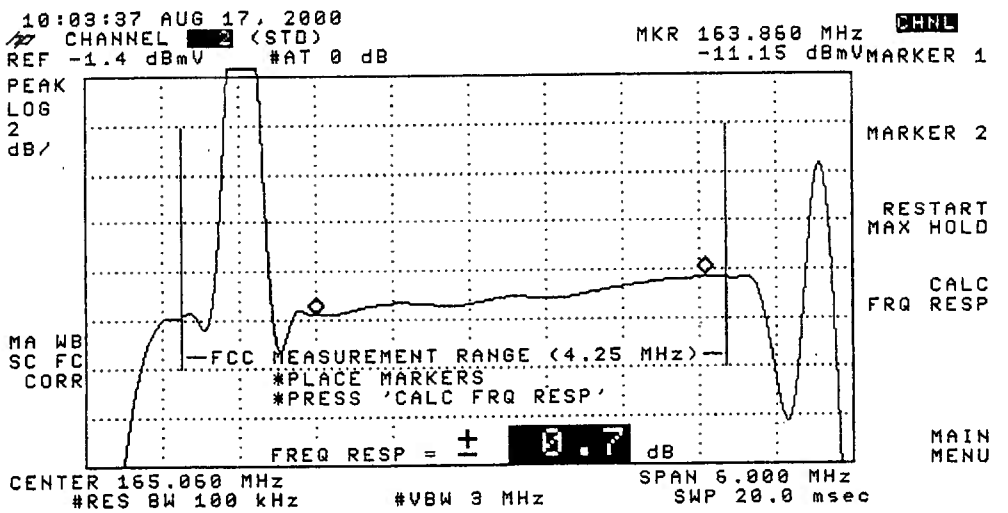
(SEE THE ATTATCHED SWEEP TRACES)

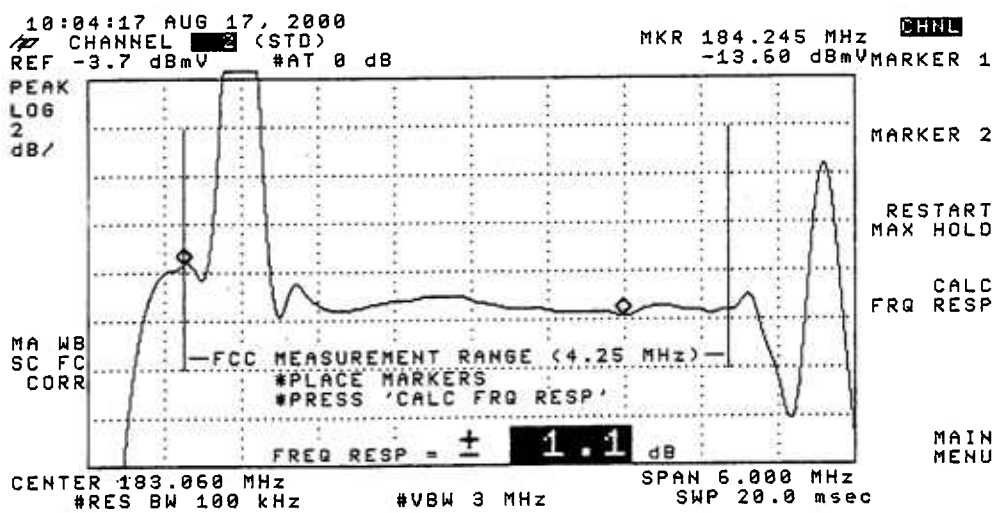

09:54:32 AUG 17, 2000
REF 22.2 dBmV
AT 10 dB
PEAK
LOG
10
dB/
RES BW
3.0 MHz
MA SB
SC FC
CORR
START 45.0 MHz
RES BW 3.0 MHz
VBW 1 MHz
STOP 560.0 MHz
#SWP 30.0 msec
CHNL
CLEAR
WRITE A
MAX
HOLD A
VIEW A
BLANK A
Trace
A B C
More
1 of 3

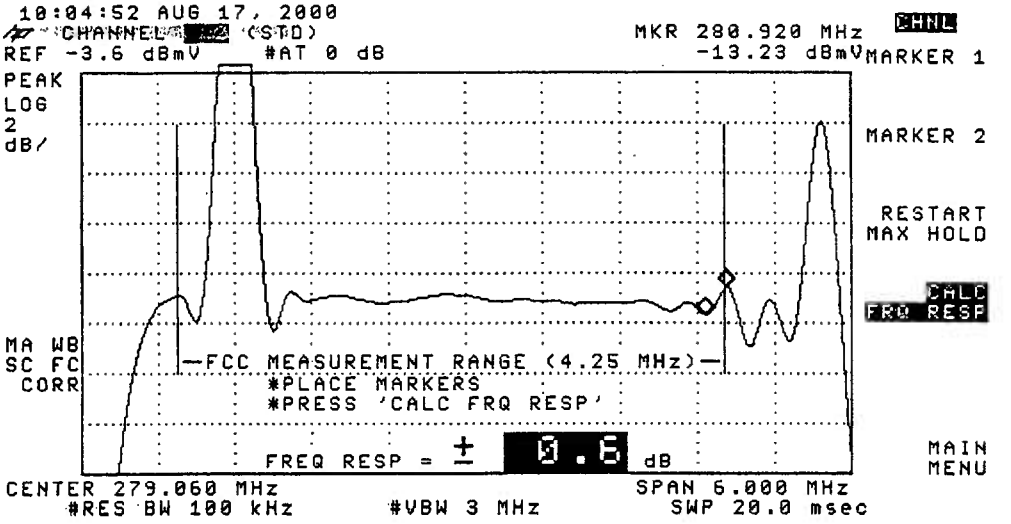

09:57:57 AUG 17, 2000
CHANNEL 112 (STD)
REF 5.8 dBmV
#AT 0 dB
MKR Δ 13.125 msec
-.09 dB
PEAK
LOG
1
dB/
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = 0.9%
Video Modulation: OFF
START 721.245 MHz
#RES BW 1.0 MHz
#VBW 1 kHz
STOP 721.245 MHz
#SWP 50.0 msec
CHNL
MORE
INFO
MAIN
MENU

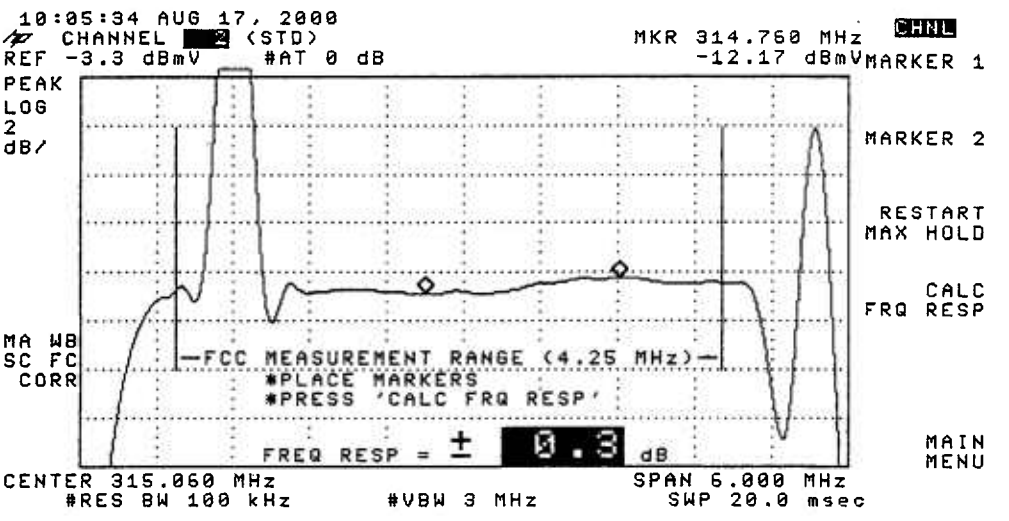

10:01:03 AUG 17, 2000
CHANNEL 2 (STD)
REF -3.0 dBmV
#AT 0 dB
MKR 58.875 MHz
-12.40 dBmV
PEAK
LOG
2
dB/
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.9 dB
CENTER 57.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec
CHNL
MARKER 1
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MAIN
MENU

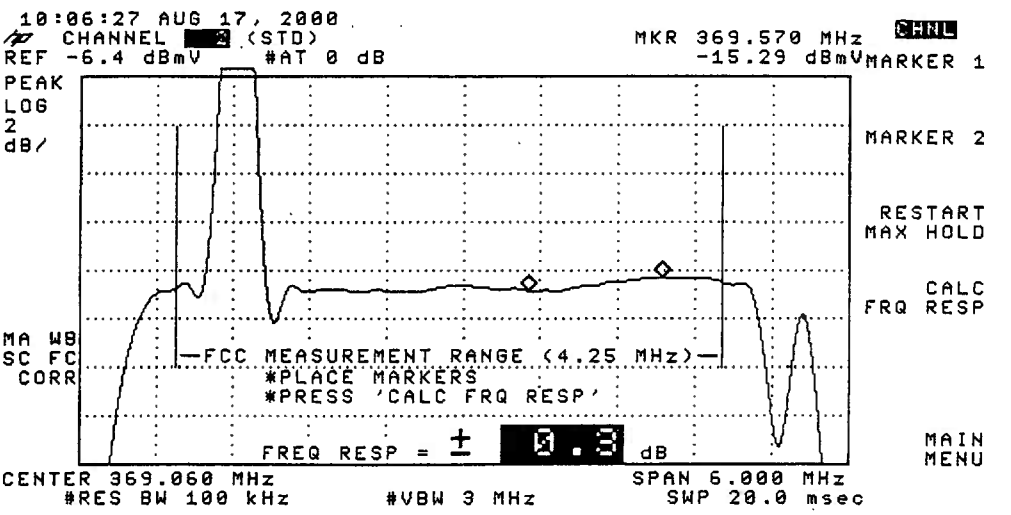

10:02:39 AUG 17, 2000
CHANNEL 2 (STD)
REF -5.9 dBmV
#AT 0 dB
MKR 124.950 MHz
-13.47 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.7 dB
MAIN
MENU
CENTER 123.090 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

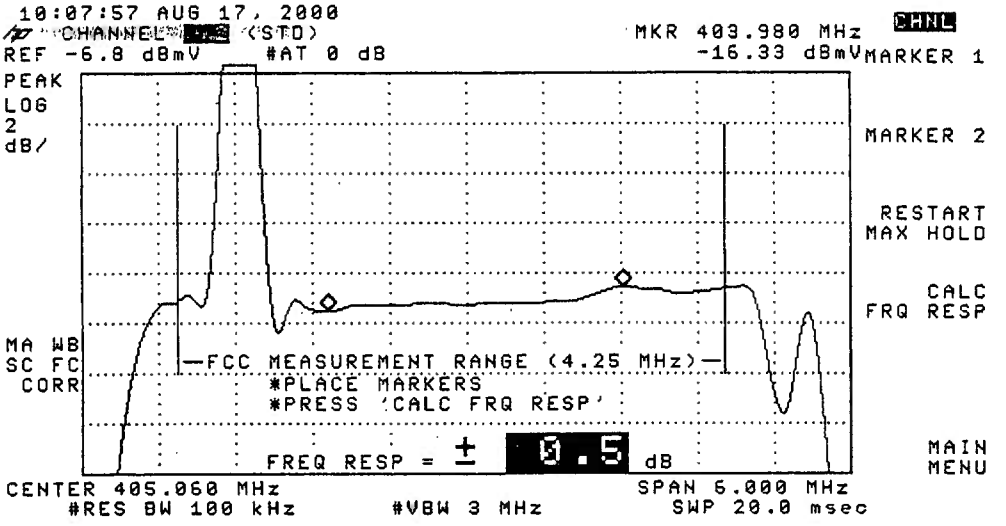

10:03:37 AUG 17, 2000
CHANNEL 2 (STD)
REF -1.4 dBmV
#AT 0 dB
MKR 163.860 MHz
-11.15 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.7 dB
MAIN
MENU
CENTER 165.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

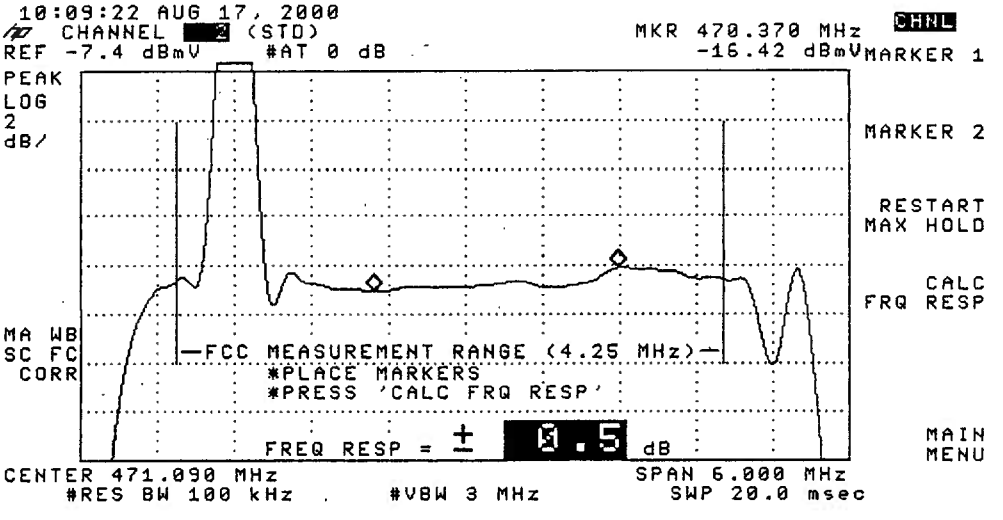

10:04:17 AUG 17, 2000
CHANNEL 2 (STD)
REF -3.7 dBmV
#AT 0 dB
MKR 184.245 MHz
-13.60 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 1.1 dB
MAIN
MENU
CENTER 183.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

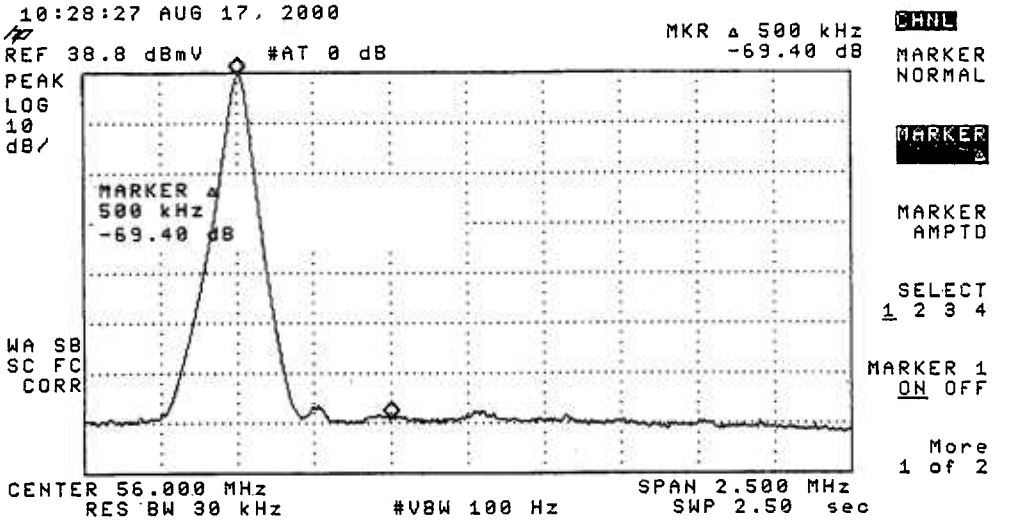

10:04:52 AUG 17, 2000
CHANNEL 2 (STD)
REF -3.6 dBmV
#AT 0 dB
MKR 280.920 MHz
-13.23 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.6 dB
MAIN
MENU
CENTER 279.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

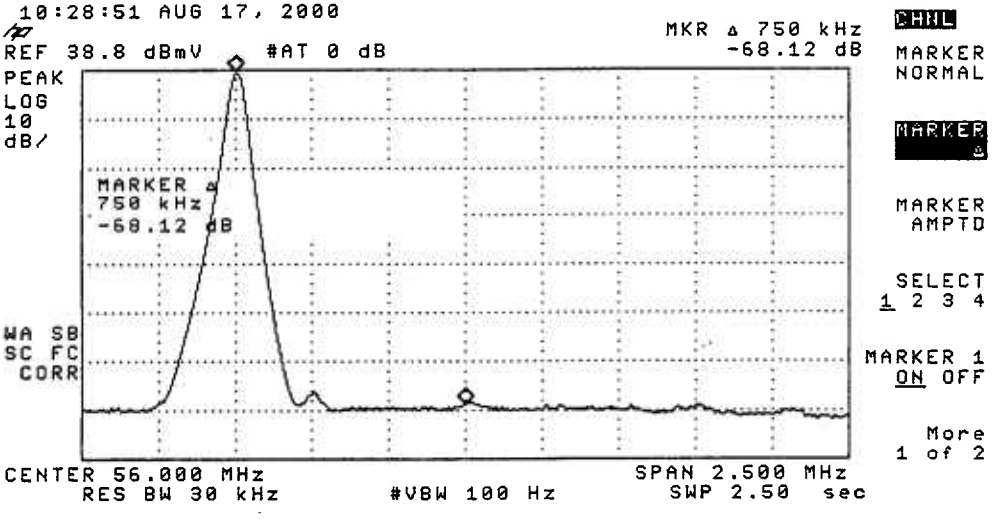

10:05:34 AUG 17, 2000
CHANNEL 2 (STD)
REF -3.3 dBmV
#AT 0 dB
MKR 314.760 MHz
-12.17 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
CENTER 315.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

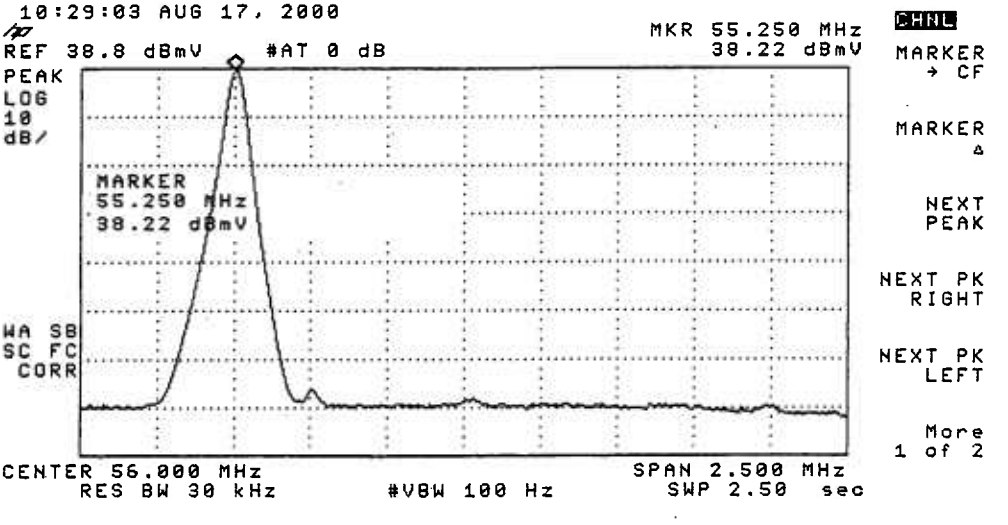

10:06:27 AUG 17, 2000
CHANNEL 2 (STD)
REF -6.4 dBmV
#AT 0 dB
MKR 369.570 MHz
-15.29 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
CENTER 369.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

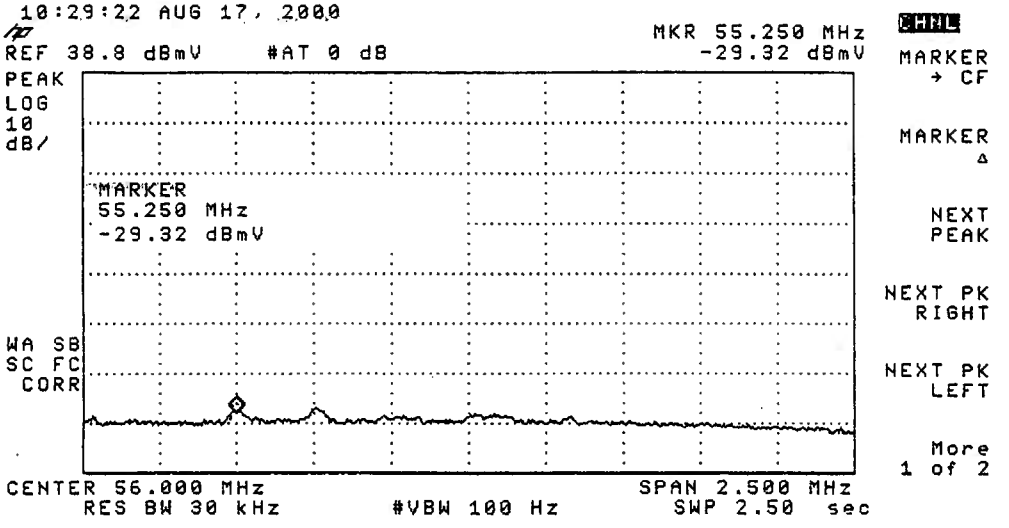

10:07:57 AUG 17, 2000
CHANNEL 2 (STD)
REF -6.8 dBmV
#AT 0 dB
MKR 403.980 MHz
-16.33 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
CENTER 405.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


10:09:22 AUG 17, 2000
CHANNEL 2 (STD)
REF -7.4 dBmV
#AT 0 dB
MKR 470.370 MHz
-16.42 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
CENTER 471.090 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


10:28:27 AUG 17, 2000
REF 38.8 dBmV
#AT 0 dB
MKR Δ 500 kHz
-69.40 dB
PEAK
LOG
10
dB/
MARKER Δ
500 kHz
-69.40 dB
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec
CHNL
MARKER
NORMAL
MARKER
MARKER
AMPTD
SELECT
1 2 3 4
MARKER 1
ON OFF
More
1 of 2


10:28:51 AUG 17, 2000
REF 38.8 dBmV
#AT 0 dB
MKR Δ 750 kHz
-68.12 dB
PEAK
LOG
10
dB/
MARKER Δ
750 kHz
-68.12 dB
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec
CHNL
MARKER
NORMAL
MARKER
MARKER
AMPTD
SELECT
1 2 3 4
MARKER 1
ON OFF
More
1 of 2


10:29:03 AUG 17, 2000
REF 38.8 dBmV
#AT 0 dB
MKR 55.250 MHz
38.22 dBmV
PEAK
LOG
10
dB/
MARKER
55.250 MHz
38.22 dBmV
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec
CHNL
MARKER
→ CF
MARKER
Δ
NEXT
PEAK
NEXT PK
RIGHT
NEXT PK
LEFT
More
1 of 2


10:29:22 AUG 17, 2000
REF 38.8 dBmV
#AT 0 dB
MKR 55.250 MHz
-29.32 dBmV
CHNL
MARKER → CF
MARKER Δ
NEXT PEAK
NEXT PK RIGHT
NEXT PK LEFT
More 1 of 2
PEAK
LOG
10
dB/
MARKER
55.250 MHz
-29.32 dBmV
WA SB
SC FC
CORR
CENTER 56.000 MHz
SPAN 2.500 MHz
RES BW 30 kHz
#VBW 100 Hz
SWP 2.50 sec

Visual Carrier Level Variation Test 76.605 (a) 4

System Name: Timer Warner-Syracuse

Test Point Location: Fly Rd.

Date: Aug 24-25, 2000 Performed by: R. Wentworth & P. Loran

Meter Serial Number: 9210392

Chan	Freq. (MHz)	Temp °F 75	76	72	69	Max Variation	Chan	Freq. (MHz)	Temp °F 75	76	72	69	Max Variation
		Time 09:49	15:05	21:20	03:17				Time 09:49	15:05	21:20	03:17	
		Visual Level (dbmv)							Visual Level (dbmv)				
2	55.2500	12.7	9.5	13.0	13.7	4.2	AA	301.2625	11.5	11.8	12.0	12.5	1.0
3	61.2500	13.9	10.4	14.0	14.4	4.0	BB	307.2625	11.7	12.1	11.9	12.7	1.0
4	67.2500	12.7	10.2	12.8	13.8	3.6	CC	313.2625	11.4	12.3	11.7	12.3	0.9
5	77.2500	11.9	9.7	12.2	12.9	3.2	DD	319.2625	11.0	12.5	11.5	12.1	1.5
6	83.2500	11.2	10.0	11.4	12.1	2.1	EE	325.2625	11.3	13.2	11.2	12.4	2.0
							FF	331.2750	11.1	13.1	11.5	12.1	2.0
							GG	337.2625	10.7	13.0	11.1	11.8	2.3
A-5	91.2500						HH	343.2625	9.9	12.2	10.3	11.3	2.3
A-4	97.2500						II	349.2625	10.1	13.2	10.2	11.1	3.1
A-3	103.2500						JJ	355.2625	9.3	13.0	9.5	10.5	3.7
A-2	109.2750	9.0	10.3	9.5	10.8	1.8	KK	361.2625	9.5	13.2	10.0	10.5	3.7
A-1	115.2750	9.5	10.6	9.7	10.4	1.1	LL	367.2625	8.8	12.8	9.2	9.9	4.0
A	121.2625	9.4	10.4	9.5	9.3	1.1	MM	373.2625	9.0	13.2	9.6	10.3	4.2
B	127.2625	10.1	11.0	10.4	10.9	0.9	NN	379.2625	9.0	12.9	9.6	10.1	3.9
C	133.2625	10.7	11.4	10.7	11.5	0.8	OO	385.2625	9.0	12.7	9.4	9.9	3.7
D	139.2500	10.4	11.5	10.6	11.1	1.1	PP	391.2625	9.2	12.9	9.0	9.5	3.9
E	145.2500	10.4	11.3	10.7	11.6	1.2	QQ	397.2625	9.4	13.0	9.0	9.4	4.0
F	151.2500	10.4	11.4	10.5	10.9	1.0	RR	403.2500	9.0	12.7	9.0	9.3	3.7
G	157.2500	11.2	12.3	11.8	12.2	1.1	SS	409.2500	10.0	13.5	10.5	11.0	3.5
H	163.2500	10.7	11.9	10.8	11.9	1.2	TT	415.2500	8.6	10.9	8.9	8.5	2.4
I	169.2500	10.3	11.7	10.9	11.7	1.4	UU	421.2500	8.9	11.6	9.4	10.4	2.7
7	175.2500	10.4	12.0	11.0	11.6	1.6	VV	427.2500	8.8	11.6	9.2	9.8	2.8
8	181.2500	9.2	10.6	9.7	10.4	1.4	WW	433.2500	8.7	11.1	9.2	9.9	2.4
9	187.2500	10.7	11.6	10.7	11.4	0.9	XX	439.2500	9.1	11.1	10.0	10.5	2.0
10	193.2500	10.7	11.5	10.6	11.6	1.0	YY	445.2500	9.4	10.8	10.4	11.0	1.6
11	199.2500	10.3	10.9	10.6	10.9	0.6	ZZ	451.2500	7.3	9.2	8.7	9.9	2.6
12	205.2500	10.0	10.7	10.3	11.0	1.0	63	457.2500	8.0	9.5	9.3	9.8	1.8
13	211.2500	9.3	10.4	9.8	10.4	1.1	64	463.2500	8.3	9.5	9.6	10.2	1.9
J	217.2500	9.1	10.2	9.5	10.2	1.1	65	469.2500	9.1	9.2	9.8	10.4	1.3
K	223.2500	8.4	9.8	8.7	9.4	1.4	66	475.2500	8.3	7.6	8.2	9.3	1.7
L	229.2625	8.5	9.9	9.1	9.7	1.4	67	481.2500	8.5	8.3	9.2	10.0	1.7
M	235.2625	8.6	9.5	9.0	9.7	1.1	68	487.2500	7.8	8.6	8.6	9.4	1.6
N	241.2625	8.3	9.2	8.5	9.1	0.9	69	493.2500	8.0	9.2	8.2	9.7	1.7
O	247.2625	8.5	9.6	8.7	9.4	1.1	70	499.2500	7.2	10.2	8.3	9.1	3.0
P	253.2625	8.8	9.8	9.3	9.8	1.0	71	505.2500	8.5	10.0	9.0	8.9	1.5
Q	259.2625	9.0	9.8	9.3	9.9	0.9	72	511.2500	8.0	10.6	8.4	8.9	2.6
R	265.2625	9.6	10.1	9.9	10.5	0.9	73	517.2500	8.6	10.1	8.3	8.7	1.8
S	271.2625	8.9	9.8	9.4	9.7	0.9	74	523.2500	7.2	10.5	7.8	8.3	3.3
T	277.2625	10.5	10.4	10.7	11.4	1.0	75	529.2500	8.3	11.8	10.0	8.9	3.5
U	283.2625	10.7	10.7	11.3	12.0	1.3	76	535.2500	8.2	11.2	8.5	8.1	3.1
V	289.2625	10.8	10.5	11.1	11.8	1.3	77	541.2500	8.4	10.1	8.1	9.4	2.0
W	295.2625	11.1	11.3	11.6	12.1	1.0	78	547.2500	8.6	12.3	9.6	10.0	3.7

Max NonAdjacent Channel Level Diff.	6.7
Max Adjacent Channel Level Diff.	2.6

Max Variance from last proof-of-performance test	7.8
Date of last proof-of-performance test	Feb 2000

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

TIME WARNER CABLE
SYRACUSE DIVISION

Proof-of-Performance Tests

System Name: Time Warner-Syracuse

System Test Point # 10

Location: 7544 East Taft Rd.

Community: Cicero

Pole Number: 169/76

D.T. Value: 20-4

Map Number: 15-31

OR Number: 103

Trunk Cascade: 6 LE Cascade:

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

System Name: Time-Warner - Syracuse

Test Location: 7544 East Taft Rd.

Date: 24-Aug-00

Time: 10:09 AM

Chan	Freq. (MHz)	Visual Level (dbmv)	Aural Level (dbmv)	Scrat "S"	Diff. (Dbmv)	Chan	Freq. (MHz)	Visual Level (dbmv)	Aural Level (dbmv)	Scrat "S"	Diff. (Dbmv)
2	55.2500	11.9	-1.5		13.4	AA	289.2625	10.5	-2.9		13.4
3	61.2500	13.5	-1.3		14.8	BB	307.2625	10.5	-3.8		14.3
4	67.2500	13.1	-1.5		14.6	CC	313.2625	10.2	-4.4		14.6
5	77.2500	13.1	-1.8		14.9	DD	319.2625	9.8	-3.0		12.8
6	83.2500	13.1	-2.1		15.2	EE	325.2625	10.0	-3.5		13.5
						FF	331.2750	9.9	-4.1		14.0
						GG	337.2625	9.9	-4.0		13.9
A-5	91.2500					HH	343.2625	9.5	-5.0		14.5
A-4	97.2500					II	349.2625	9.7	-4.9		14.6
A-3	103.2500					JJ	355.2625	9.0	-4.9		13.9
A-2	109.2750	12.0	-2.3		14.3	KK	361.2625	9.3	-4.9		14.2
A-1	115.2750	12.0	-1.2	S	13.2	LL	367.2625	9.4	-4.7		14.1
A	121.2625	11.4	-1.3		12.7	MM	373.2625	9.9	-4.1		14.0
B	127.2625	12.3	-1.1		13.4	NN	379.2625	10.0	-3.8		13.8
C	133.2625	12.3	-2.2		14.5	OO	385.2625	10.4	-3.4		13.8
D	139.2500	11.9	-2.5		14.4	PP	391.2625	10.3	-3.5		13.8
E	145.2500	11.6	-2.2		13.8	QQ	397.2625	10.5	-3.8		14.3
F	151.2500	12.3	-2.7		15.0	RR	403.2500	10.9	-2.7		13.6
G	157.2500	12.3	-2.0		14.3	SS	409.2500	12.7	-0.8		13.5
H	163.2500	12.0	-2.2		14.2	TT	415.2500	11.4	-1.9	S	13.3
I	169.2500	11.6	-2.8		14.4	UU	421.2500	12.7	-1.7	S	14.4
7	175.2500	11.4	-2.8		14.2	VV	427.2500	12.4	-1.9		14.3
8	181.2500	10.1	-4.0		14.1	WW	433.2500	12.1	-1.5		13.6
9	187.2500	11.5	-2.7		14.2	XX	439.2500	13.1	-0.9		14.0
10	193.2500	11.2	-3.1		14.3	YY	445.2500	14.0	-0.7		14.7
11	199.2500	10.7	-3.6		14.3	ZZ	451.2500	11.9	-2.3	S	14.2
12	205.2500	10.1	-4.0		14.1	63	457.2500	12.2	-0.9	S	13.1
13	211.2500	9.9	-4.4		14.3	64	463.2500	13.1	0.1	S	13.0
J	217.2500	10.0	-4.9		14.9	65	469.2500	13.7	-1.6		15.3
K	223.2500	9.8	-4.3		14.1	66	475.2500	13.3	-2.2	S	15.5
L	229.2625	9.7	-4.0		13.7	67	481.2500	12.9	0.0	S	12.9
M	235.2625	9.9	-4.2		14.1	68	487.2500	12.9	-0.6	S	13.5
N	241.2625	10.0	-4.2		14.2	69	493.2500	12.9	-1.7	S	14.6
O	247.2625	9.6	-4.2		13.8	70	499.2500	12.2	-1.0	S	13.2
P	253.2625	10.0	-4.7		14.7	71	505.2500	13.3	-1.5	S	14.8
Q	259.2625	9.8	-4.3		14.1	72	511.2500	13.1	-0.6	S	13.7
R	265.2625	10.1	-4.2		14.3	73	517.2500	12.3	-2.1	S	14.4
S	271.2625	9.1	-4.3		13.4	74	523.2500	12.5	-1.9	S	14.4
T	277.2625	10.2	-3.9		14.1	75	529.2500	12.6	-2.3		14.9
U	283.2625	10.1	-3.9		14.0	76	535.2500	12.5	-1.7	S	14.2
V	289.2625	9.6	-4.3		13.9	77	541.2500	11.7	-2.5	S	14.2
W	283.2625	10.1	-4.2		14.3	78	547.2500	13.0	-2.7	S	15.7

PEAK TO VALLEY: 5

IN CHANNEL RESPONSE Test

CARRIER - TO - NOISE Test

COHERENT DISTURBANCES Test

LOW FREQUENCY DISTURBANCES Test

System Name: Time Warner-Syracuse **Date:** August 2000

Test Performed By: Patrick Thrall

Location: 7544 East Taft Rd.

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

Channel Number	In Channel Response	Carrier To Noise Ratio	Distortions (-dBc)			Hum
	(+/- dB)	(dB)	CTB	CSO	XMOD	(%)
2	0.7	48.5	68.3	68.5	69.2	0.7
A	0.8	48.4	67.9	67		
H	0.8	48	66.7	68		
8	0.9	47.8	64.3	68		
T	0.7	47.9	62.7	65.6		
CC	0.4	47.7	61.5	63.8		
LL	0.5	47	60.6	64		
RR	0.4	47.5	59.9	62.1		
CCC	0.4	47.2	58.3	62		

Time Warner Cable
Syracuse Division

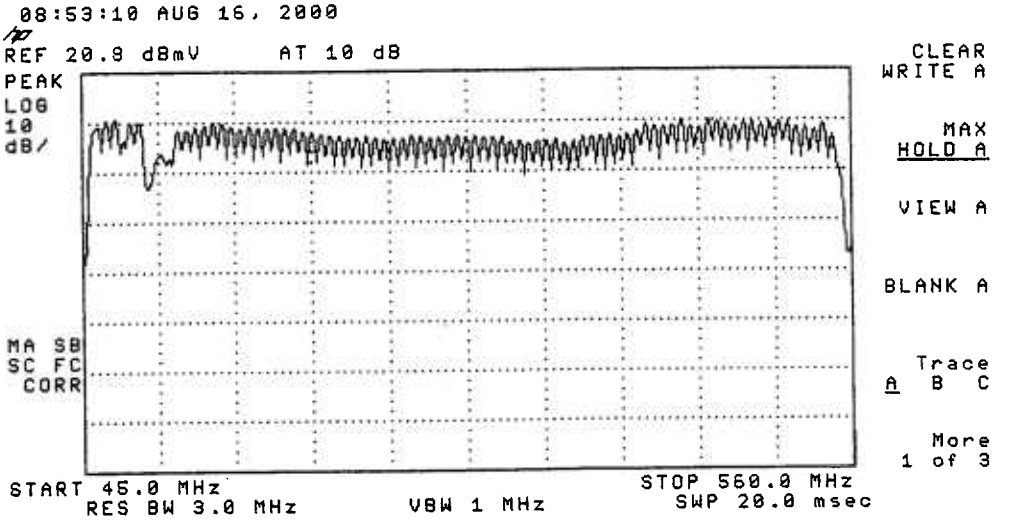
IN - CHANNEL FREQUENCY RESPONSE TEST

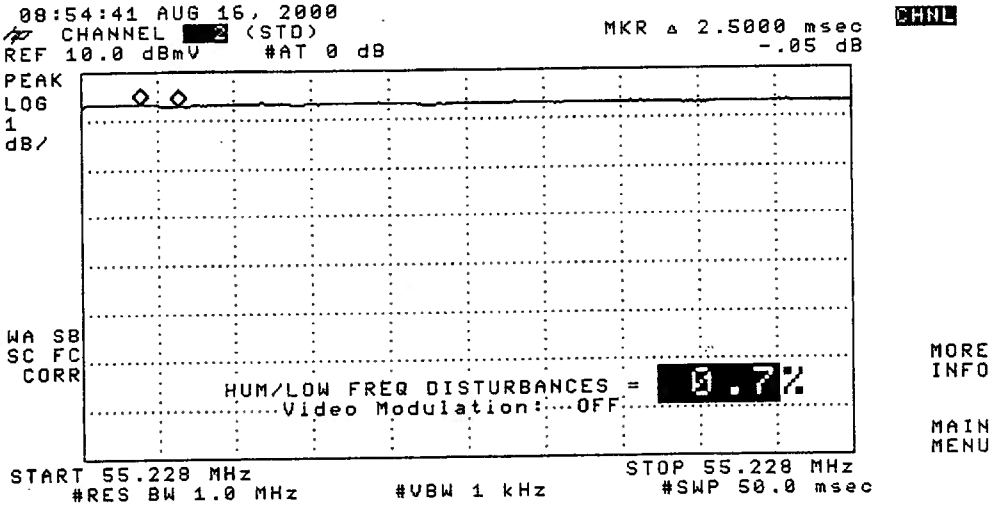
(76.605 (a) 6)

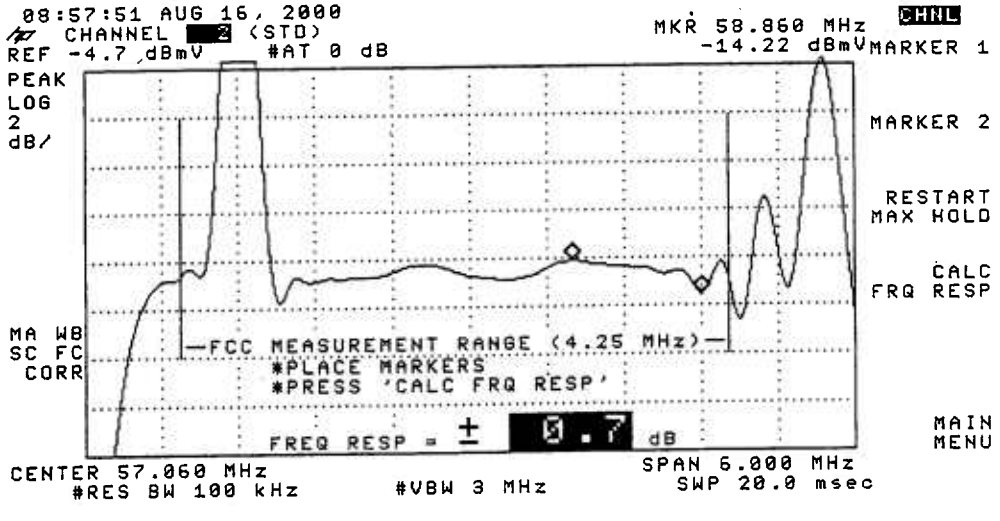
System Name: Time Warner-Syracuse Date: August 2000

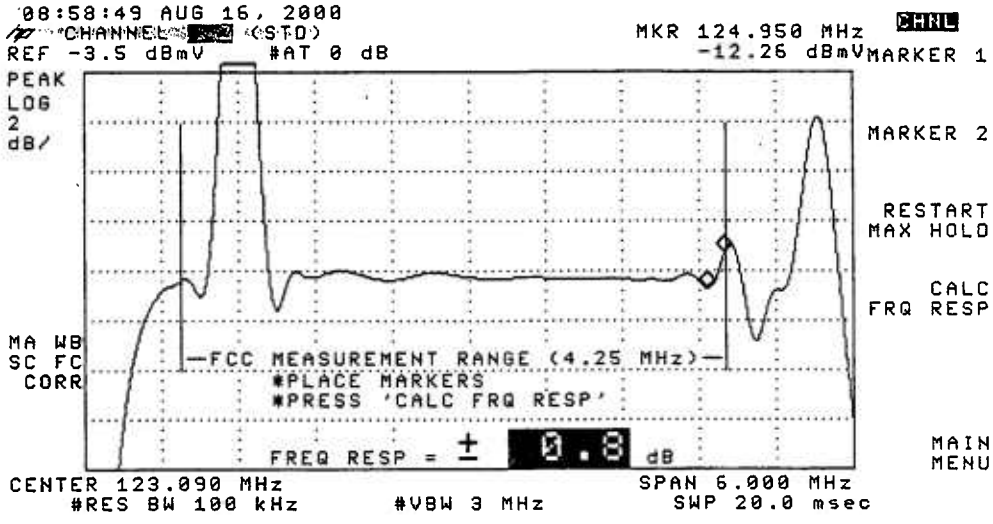
Test Performed By Pat Thrall Location: 7544 E. Taft Rd.

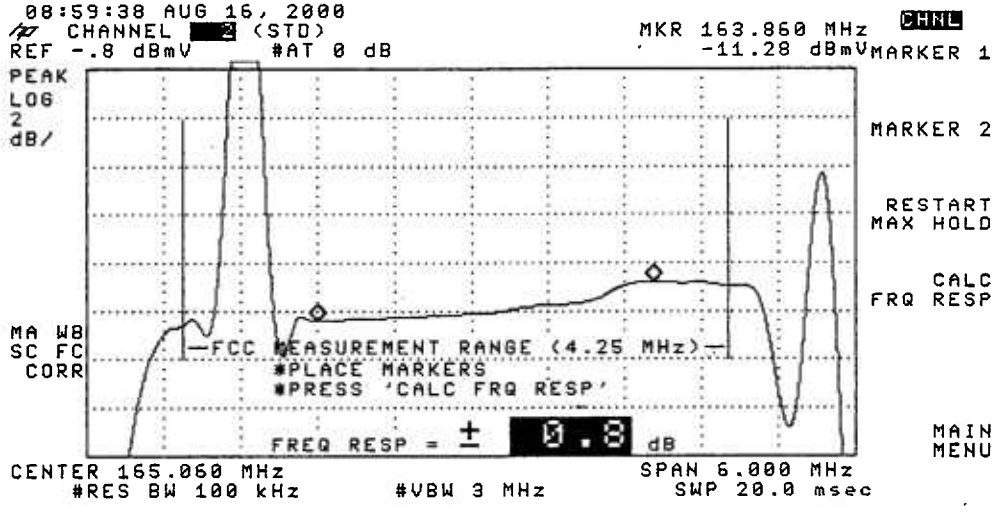
(SEE THE ATTATCHED SWEEP TRACES)

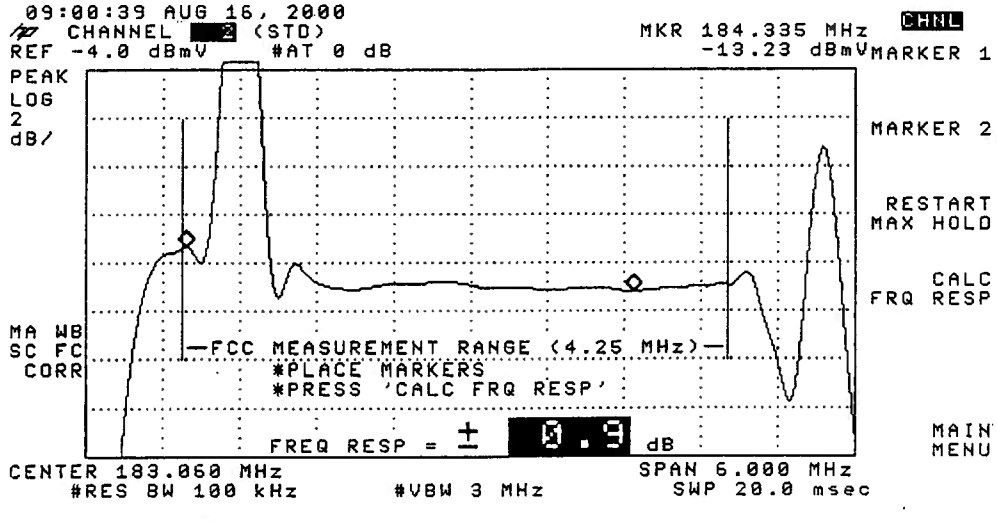

08:53:10 AUG 16, 2000
REF 20.9 dBmV
AT 10 dB
PEAK
LOG
10
dB/
MA SB
SC FC
CORR
CLEAR
WRITE A
MAX
HOLD A
VIEW A
BLANK A
Trace
A B C
More
1 of 3
START 45.0 MHz
RES BW 3.0 MHz
VBW 1 MHz
STOP 560.0 MHz
SWP 20.0 msec

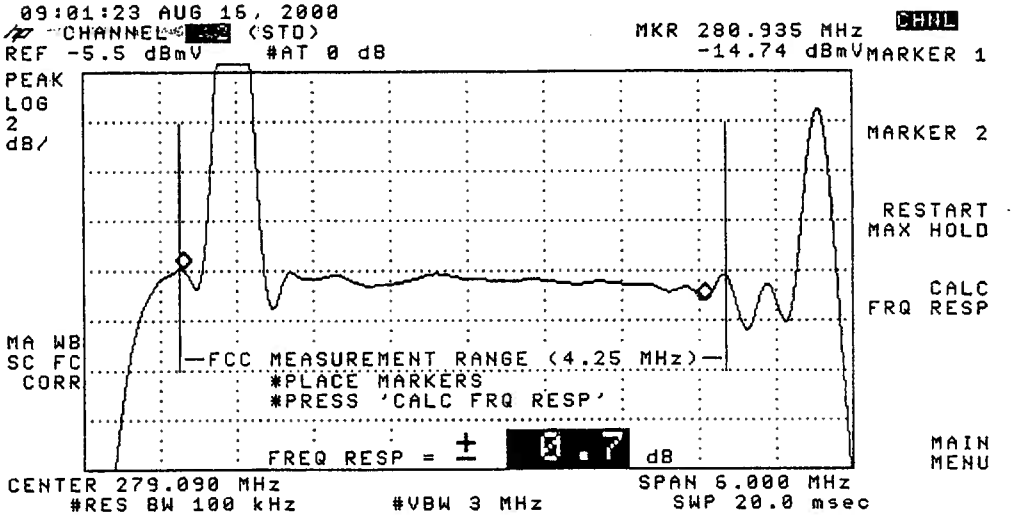

08:54:41 AUG 16, 2000
CHANNEL 2 (STD)
REF 10.0 dBmV
#AT 0 dB
MKR Δ 2.5000 msec
-.05 dB
CHNL
PEAK
LOG
1
dB/
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = 0.7%
Video Modulation: OFF
MORE
INFO
MAIN
MENU
START 55.228 MHz
#RES BW 1.0 MHz
#VBW 1 kHz
STOP 55.228 MHz
#SWP 50.0 msec

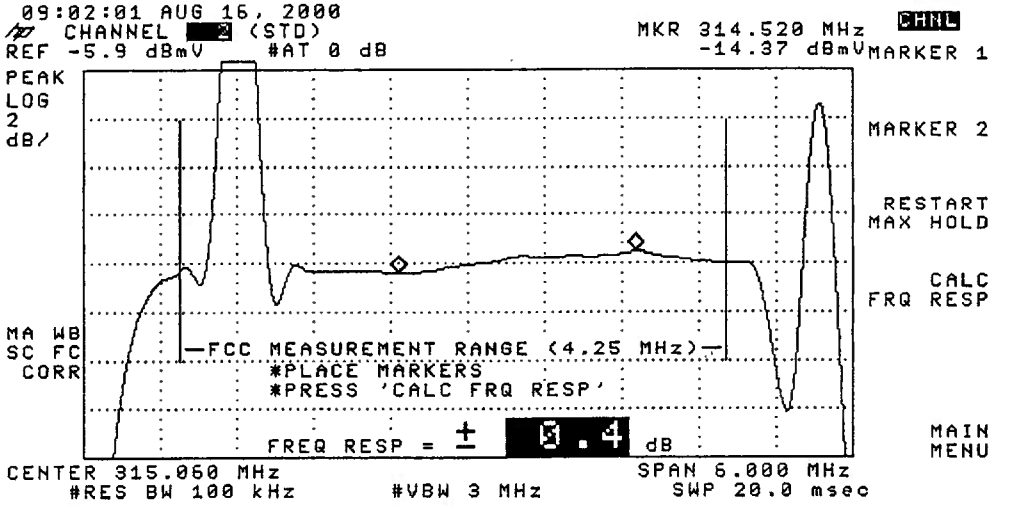

08:57:51 AUG 16, 2000
CHANNEL 2 (STD)
REF -4.7 dBmV
#AT 0 dB
MKR 58.860 MHz
-14.22 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.7 dB
MAIN
MENU
CENTER 57.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

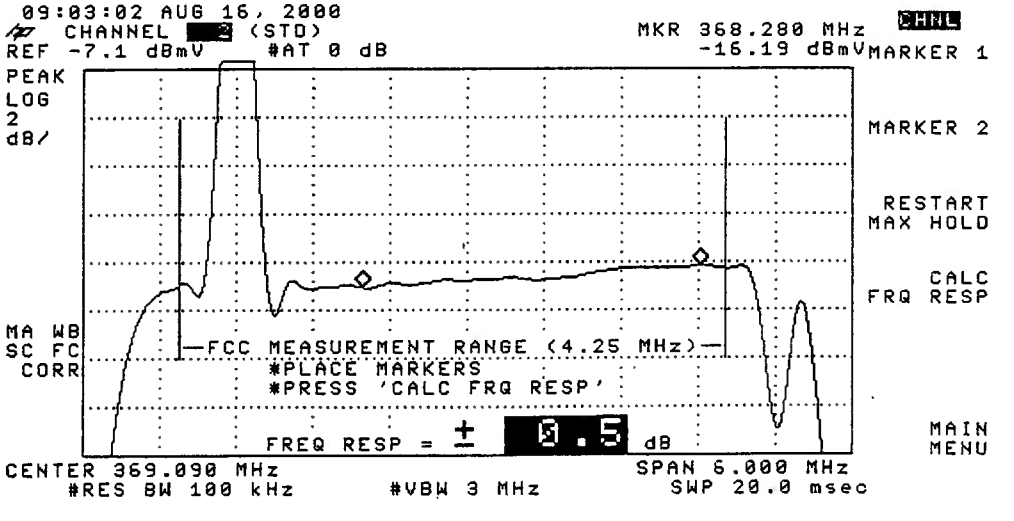

08:58:49 AUG 16, 2000
CHANNEL 2 (STD)
REF -3.5 dBmV
#AT 0 dB
MKR 124.950 MHz
-12.26 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.8 dB
MAIN
MENU
CENTER 123.090 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

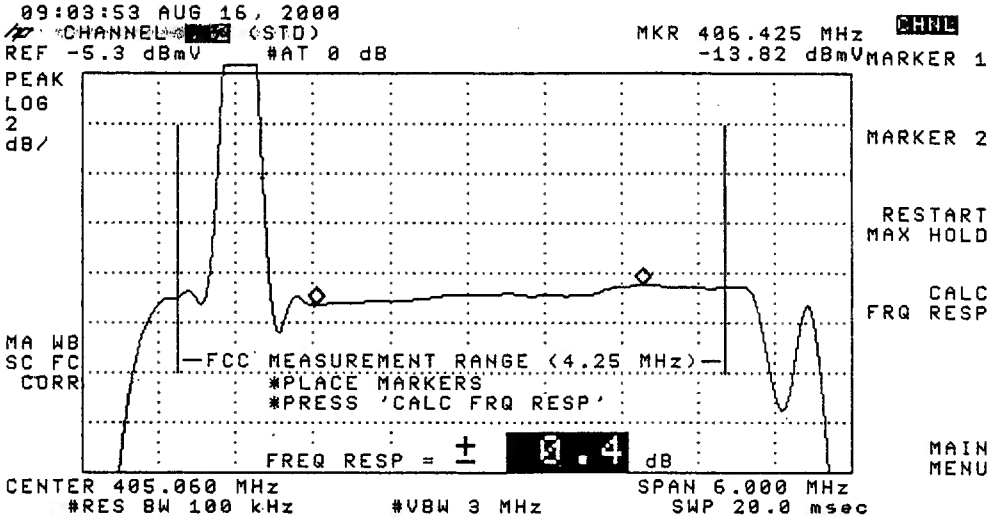

08:59:38 AUG 16, 2000
CHANNEL 2 (STD)
REF -.8 dBmV
#AT 0 dB
MKR 163.860 MHz
-11.28 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.8 dB
MAIN
MENU
CENTER 165.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

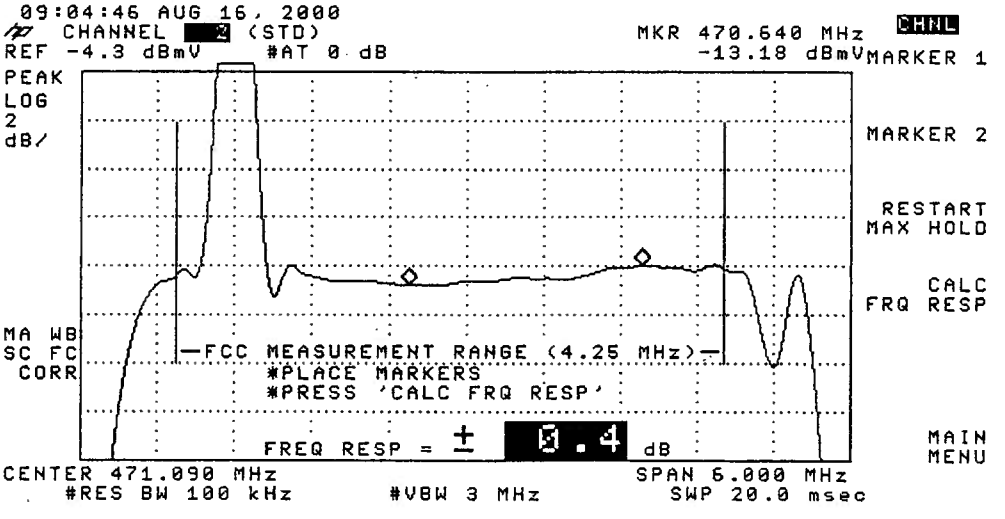

09:00:39 AUG 16, 2000
CHANNEL 2 (STD)
REF -4.0 dBmV
#AT 0 dB
MKR 184.335 MHz
-13.23 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.9 dB
MAIN
MENU
CENTER 183.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

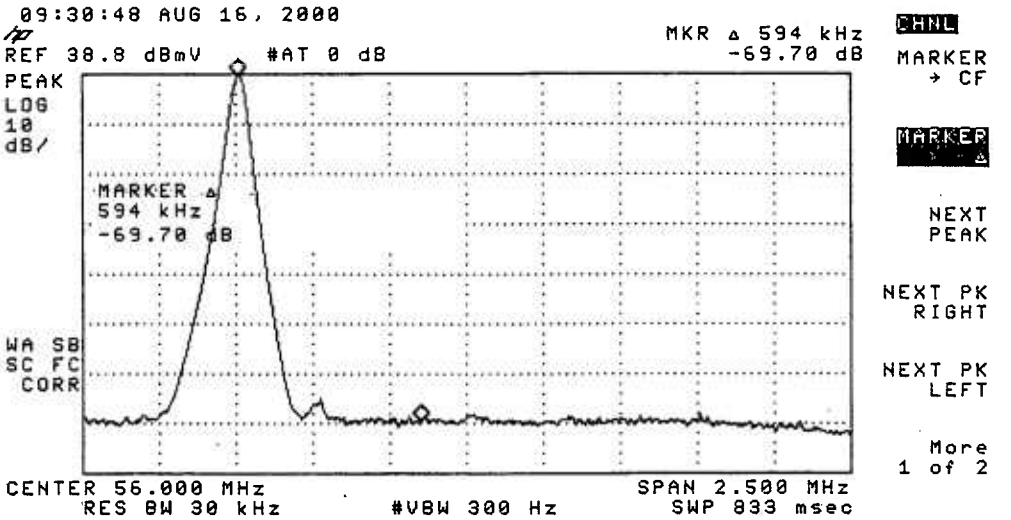

09:01:23 AUG 15, 2000
CHANNEL [redacted] (STD)
REF -5.5 dBmV
#AT 0 dB
MKR 280.935 MHz
-14.74 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.7 dB
MAIN
MENU
CENTER 279.090 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

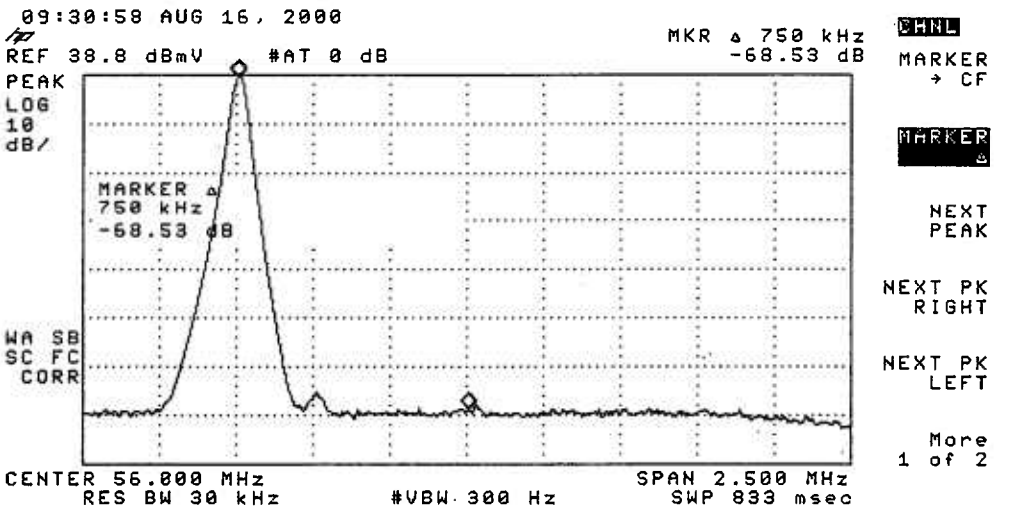

09:02:01 AUG 15, 2000
CHANNEL [redacted] (STD)
REF -5.9 dBmV
#AT 0 dB
MKR 314.520 MHz
-14.37 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
CENTER 315.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

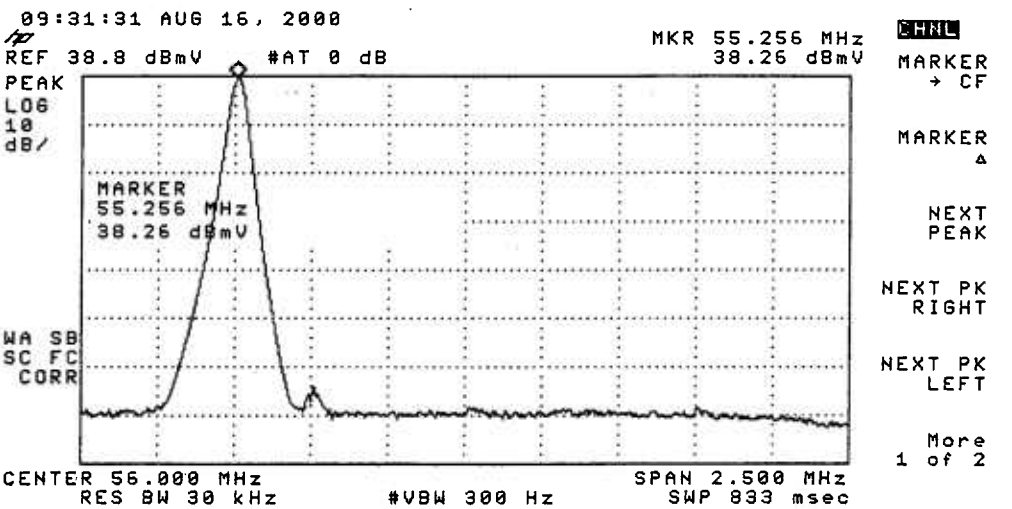

09:03:02 AUG 15, 2000
CHANNEL [redacted] (STD)
REF -7.1 dBmV
#AT 0 dB
MKR 368.280 MHz
-16.19 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
CENTER 369.090 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

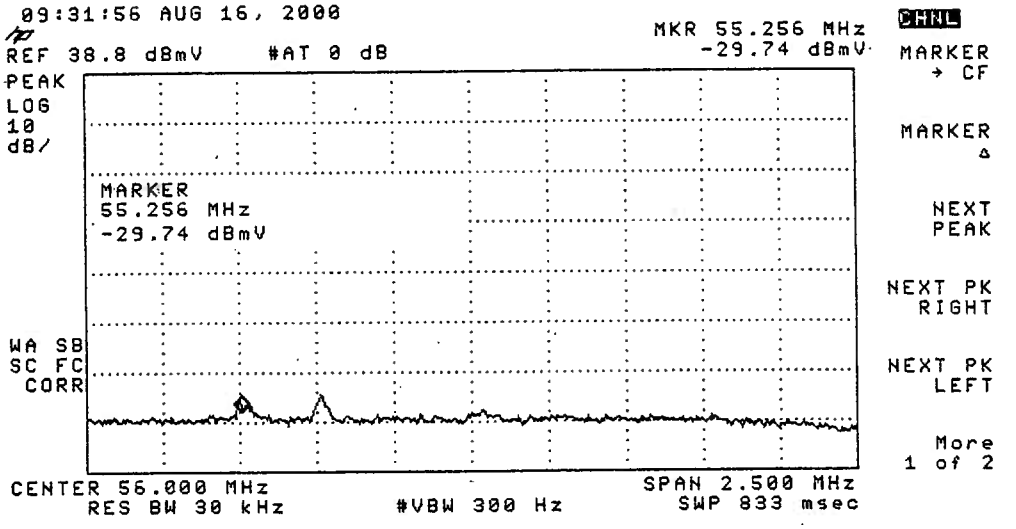

09:03:53 AUG 16, 2000
CHANNEL (STD)
REF -5.3 dBmV
#AT 0 dB
MKR 406.425 MHz
-13.82 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
CENTER 405.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


09:04:46 AUG 16, 2000
CHANNEL (STD)
REF -4.3 dBmV
#AT 0 dB
MKR 470.640 MHz
-13.18 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
CENTER 471.090 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


09:30:48 AUG 16, 2000
REF 38.8 dBmV
#AT 0 dB
MKR Δ 594 kHz
-69.70 dB
PEAK
LOG
10
dB/
MARKER Δ
594 kHz
-69.70 dB
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 300 Hz
SPAN 2.500 MHz
SWP 833 msec
CHNL
MARKER
→ CF
MARKER
Δ
NEXT
PEAK
NEXT PK
RIGHT
NEXT PK
LEFT
More
1 of 2


09:30:58 AUG 16, 2000
REF 38.8 dBmV
#AT 0 dB
MKR Δ 750 kHz
-68.53 dB
PEAK
LOG
10
dB/
MARKER Δ
750 kHz
-68.53 dB
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 300 Hz
SPAN 2.500 MHz
SWP 833 msec
CHNL
MARKER
→ CF
MARKER
Δ
NEXT
PEAK
NEXT PK
RIGHT
NEXT PK
LEFT
More
1 of 2


09:31:31 AUG 16, 2000
REF 38.8 dBmV
#AT 0 dB
MKR 55.256 MHz
38.26 dBmV
PEAK
LOG
10
dB/
MARKER
55.256 MHz
38.26 dBmV
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 300 Hz
SPAN 2.500 MHz
SWP 833 msec
CHNL
MARKER
→ CF
MARKER
Δ
NEXT
PEAK
NEXT PK
RIGHT
NEXT PK
LEFT
More
1 of 2


09:31:56 AUG 16, 2000
REF 38.8 dBmV
#AT 0 dB
MKR 55.256 MHz
-29.74 dBmV
CHNL
MARKER → CF
MARKER Δ
NEXT PEAK
NEXT PK RIGHT
NEXT PK LEFT
More 1 of 2
PEAK
LOG
10
dB/
MARKER
55.256 MHz
-29.74 dBmV
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 300 Hz
SPAN 2.500 MHz
SWP 833 msec

Visual Carrier Level Variation Test 76.605 (a) 4

System Name: Time Warner-Syracuse

Test Point Location: 7544 East Taft Rd.

Date: Aug 24-25, 2000 Performed by: R. Wentworth & P. Loran

Meter Serial Number: 9210392

Chan	Freq. (MHz)	Temp °F				Max Variation	Chan	Freq. (MHz)	Temp °F				Max Variation
		77	75	69	66				77	75	69	66	
		Time							Time				
		10:09	16:06	21:37	03:32				10:09	16:06	21:37	03:32	
		Visual Level (dbmv)							Visual Level (dbmv)				
2	55.2500	11.9	11.0	12.5	12.9	1.9	AA	301.2625	10.5	10.6	11.5	11.9	1.4
3	61.2500	13.5	13.0	13.8	14.3	1.3	BB	307.2625	10.5	10.7	11.2	11.7	1.2
4	67.2500	13.1	13.2	14.0	14.2	1.1	CC	313.2625	10.2	10.4	11.2	11.6	1.4
5	77.2500	13.1	13.1	13.9	14.1	1.0	DD	319.2625	9.8	9.9	10.9	11.3	1.5
6	83.2500	13.1	12.9	13.4	14.2	1.3	EE	325.2625	10.0	10.2	11.1	11.4	1.4
							FF	331.2750	9.9	9.8	11.0	11.3	1.5
							GG	337.2625	9.9	10.1	11.0	11.5	1.6
A-5	91.2500						HH	343.2625	9.5	9.4	10.4	10.8	1.4
A-4	97.2500						II	349.2625	9.7	9.6	10.6	11.1	1.5
A-3	103.2500						JJ	355.2625	9.0	8.8	10.0	10.5	1.7
A-2	109.2750	12.0	12.0	13.0	13.3	1.3	KK	361.2625	9.3	9.4	10.4	11.0	1.7
A-1	115.2750	12.0	11.9	12.7	13.0	1.1	LL	367.2625	9.4	9.4	10.4	10.8	1.4
A	121.2625	11.4	11.2	12.2	12.5	1.3	MM	373.2625	9.9	10.1	11.1	11.4	1.5
B	127.2625	12.3	12.2	13.1	13.5	1.3	NN	379.2625	10.0	10.0	11.3	11.6	1.6
C	133.2625	12.3	12.3	12.8	13.6	1.3	OO	385.2625	10.4	10.6	11.6	12.0	1.6
D	139.2500	11.9	11.6	12.7	12.8	1.2	PP	391.2625	10.3	10.5	11.5	12.0	1.7
E	145.2500	11.6	11.8	12.7	13.1	1.5	QQ	397.2625	10.5	10.8	11.7	12.2	1.7
F	151.2500	12.3	11.9	12.5	13.2	1.3	RR	403.2500	10.9	11.0	12.1	12.4	1.5
G	157.2500	12.3	12.2	13.1	13.9	1.7	SS	409.2500	12.7	12.9	13.8	14.2	1.5
H	163.2500	12.0	12.0	12.8	13.2	1.2	TT	415.2500	11.4	11.6	11.4	12.2	0.8
I	169.2500	11.6	11.8	12.5	12.8	1.2	UU	421.2500	12.7	12.3	12.2	14.2	2.0
7	175.2500	11.4	11.3	12.2	12.7	1.4	VV	427.2500	12.4	12.5	13.6	14.1	1.7
8	181.2500	10.1	10.4	11.1	11.2	1.1	WW	433.2500	12.1	12.0	13.4	13.9	1.9
9	187.2500	11.5	11.2	12.1	12.5	1.3	XX	439.2500	13.1	13.1	14.3	14.7	1.6
10	193.2500	11.2	11.3	11.9	12.3	1.1	YY	445.2500	14.0	14.1	15.1	15.6	1.6
11	199.2500	10.7	11.1	11.9	12.2	1.5	ZZ	451.2500	11.9	11.9	13.3	13.7	1.8
12	205.2500	10.1	10.8	11.4	11.7	1.6	63	457.2500	12.2	12.7	13.7	14.3	2.1
13	211.2500	9.9	10.0	10.9	11.3	1.4	64	463.2500	13.1	12.7	14.4	15.0	2.3
J	217.2500	10.0	10.1	11.0	11.2	1.2	65	469.2500	13.7	13.8	14.8	15.4	1.7
K	223.2500	9.8	9.9	10.4	11.2	1.4	66	475.2500	13.3	12.9	14.0	14.6	1.7
L	229.2625	9.7	10.2	10.7	11.4	1.7	67	481.2500	12.9	13.1	13.7	15.0	2.1
M	235.2625	9.9	10.1	10.9	11.2	1.3	68	487.2500	12.9	12.8	13.6	14.7	1.9
N	241.2625	10.0	10.0	10.7	11.4	1.4	69	493.2500	12.9	12.7	13.7	14.4	1.7
O	247.2625	9.6	10.1	10.8	11.0	1.4	70	499.2500	12.2	13.2	14.1	14.7	2.5
P	253.2625	10.0	10.1	11.1	11.3	1.3	71	505.2500	13.3	12.6	13.6	14.5	1.9
Q	259.2625	9.8	8.9	11.1	11.3	2.4	72	511.2500	13.1	12.5	13.6	14.3	1.8
R	265.2625	10.1	10.1	11.1	11.3	1.2	73	517.2500	12.3	12.6	13.4	14.4	2.1
S	271.2625	9.1	9.1	10.4	10.5	1.4	74	523.2500	12.5	12.2	13.4	14.1	1.9
T	277.2625	10.2	10.2	11.3	11.4	1.2	75	529.2500	12.6	12.4	13.5	14.3	1.9
U	283.2625	10.1	10.2	11.0	11.5	1.4	76	535.2500	12.5	11.6	12.6	13.9	2.3
V	289.2625	9.6	10.1	11.0	11.3	1.7	77	541.2500	11.7	12.1	13.3	14.4	2.7
W	295.2625	10.1	10.4	11.3	11.8	1.7	78	547.2500	13.0	12.8	14.1	14.5	1.7

Max NonAdjacent Channel Level Diff.	5.3
Max Adjacent Channel Level Diff.	2.4

Max Variance from last proof-of-performance test	4.9
Date of last proof-of-performance test	Feb 2000

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

TIME WARNER CABLE
SYRACUSE DIVISION

Proof-of-Performance Tests

System Name: Time Warner-Syracuse

System Test Point # 11

Location: 6524 East Taft Rd.

Community: Cicero

Pole Number: 89.5/67

D.T. Value: 17-4

Map Number: 14-29

OR Number: 163

Trunk Cascade: 4 LE Cascade: 2

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

System Name: Time Warner - Syracuse

Test Location: 6252 East Taft Rd.

Date: 24-Aug-00

Time: 10:21 AM

Chan	Freq. (MHz)	Visual Level (dbmv)	Aural Level (dbmv)	Scrat "S"	Diff. (Dbmv)	Chan	Freq. (MHz)	Visual Level (dbmv)	Aural Level (dbmv)	Scrat "S"	Diff. (Dbmv)
2	55.2500	14.9	1.0		13.9	AA	289.2625	17.3	3.7		13.6
3	61.2500	16.6	1.2		15.4	BB	307.2625	17.3	2.7		14.6
4	67.2500	16.6	1.6		15.0	CC	313.2625	17.1	2.3		14.8
5	77.2500	16.0	0.6		15.4	DD	319.2625	17.0	3.8		13.2
6	83.2500	15.7	1.0		14.7	EE	325.2625	17.5	4.1		13.4
						FF	331.2750	17.5	2.8		14.7
						GG	337.2625	17.4	2.9		14.5
A-5	91.2500					HH	343.2625	16.7	2.3		14.4
A-4	97.2500					II	349.2625	17.4	2.1		15.3
A-3	103.2500					JJ	355.2625	16.7	1.8		14.9
A-2	109.2750	15.8	1.1		14.7	KK	361.2625	17.1	2.0		15.1
A-1	115.2750	15.7	2.2	S	13.5	LL	367.2625	16.3	2.3		14.0
A	121.2625	15.4	2.8		12.6	MM	373.2625	17.0	2.2		14.8
B	127.2625	16.6	3.2		13.4	NN	379.2625	16.9	3.0		13.9
C	133.2625	16.9	2.3		14.6	OO	385.2625	16.9	2.2		14.7
D	139.2500	16.8	2.3		14.5	PP	391.2625	16.1	1.3		14.8
E	145.2500	17.1	3.1		14.0	QQ	397.2625	16.1	1.0		15.1
F	151.2500	17.8	2.6		15.2	RR	403.2500	16.1	1.7		14.4
G	157.2500	17.9	3.2		14.7	SS	409.2500	17.1	2.6		14.5
H	163.2500	18.0	3.8		14.2	TT	415.2500	15.9	1.6	S	14.3
I	169.2500	17.9	3.2		14.7	UU	421.2500	16.6	1.5	S	15.1
7	175.2500	17.6	2.9		14.7	VV	427.2500	15.9	1.3		14.6
8	181.2500	16.3	2.6		13.7	WW	433.2500	15.7	1.0		14.7
9	187.2500	17.8	3.4		14.4	XX	439.2500	15.6	1.0		14.6
10	193.2500	17.8	2.9		14.9	YY	445.2500	16.2	1.0		15.2
11	199.2500	17.6	2.5		15.1	ZZ	451.2500	14.5	-0.3	S	14.8
12	205.2500	17.3	1.4		15.9	63	457.2500	15.2	0.8	S	14.4
13	211.2500	16.5	1.6		14.9	64	463.2500	14.9	1.0	S	13.9
J	217.2500	16.8	1.4		15.4	65	469.2500	15.2	-0.6		15.8
K	223.2500	16.4	1.5		14.9	66	475.2500	15.0	-0.7	S	15.7
L	229.2625	16.7	1.8		14.9	67	481.2500	15.5	1.8	S	13.7
M	235.2625	16.6	1.7		14.9	68	487.2500	15.5	0.6	S	14.9
N	241.2625	16.5	1.9		14.6	69	493.2500	15.0	-0.2	S	15.2
O	247.2625	16.4	2.0		14.4	70	499.2500	15.1	0.7	S	14.4
P	253.2625	16.7	1.9		14.8	71	505.2500	14.7	0.1	S	14.6
Q	259.2625	16.3	1.8		14.5	72	511.2500	14.8	0.8	S	14.0
R	265.2625	17.0	2.6		14.4	73	517.2500	14.2	-0.8	S	15.0
S	271.2625	16.6	2.5		14.1	74	523.2500	14.7	-0.2	S	14.9
T	277.2625	17.2	2.2		15.0	75	529.2500	15.2	0.0		15.2
U	283.2625	17.2	2.9		14.3	76	535.2500	15.1	0.5	S	14.6
V	289.2625	16.7	3.3		13.4	77	541.2500	15.0	-0.2	S	15.2
W	283.2625	17.1	2.4		14.7	78	547.2500	16.5	0.5	S	16.0

PEAK TO VALLEY: 3.8

IN CHANNEL RESPONSE Test

CARRIER - TO - NOISE Test

COHERENT DISTURBANCES Test

LOW FREQUENCY DISTURBANCES Test

System Name: Time Warner-Syracuse **Date:** August 2000

Test Performed By: Patrick Thrall

Location: 6524 East Taft Rd.

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

Channel Number	In Channel Response	Carrier To Noise Ratio	Distortions (-dBc)			Hum
	(+/- dB)	(dB)	CTB	CSO	XMOD	(%)
2	0.7	49.7	68.1	69	70.2	0.9
A	0.8	49.6	67.5	69.7		
H	0.8	50.5	66.3	70.5		
8	0.9	50.5	66.7	69.4		
T	0.7	49.5	64.4	68.1		
CC	0.4	48.7	62.3	67.7		
LL	0.5	48.5	63	66.6		
RR	0.5	48.1	61.1	65.5		
CCC	0.4	47.6	60.6	61.8		

Time Warner Cable
Syracuse Division

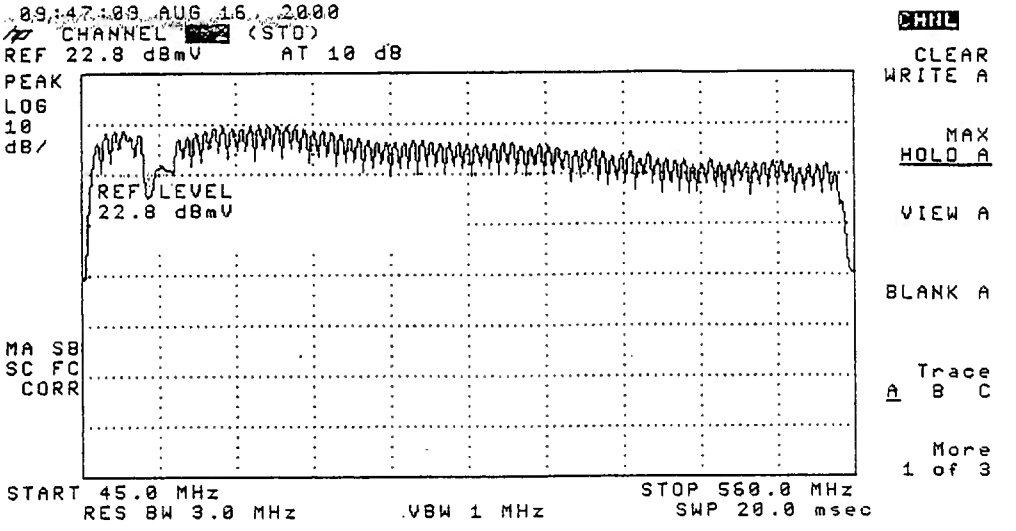
IN - CHANNEL FREQUENCY RESPONSE TEST

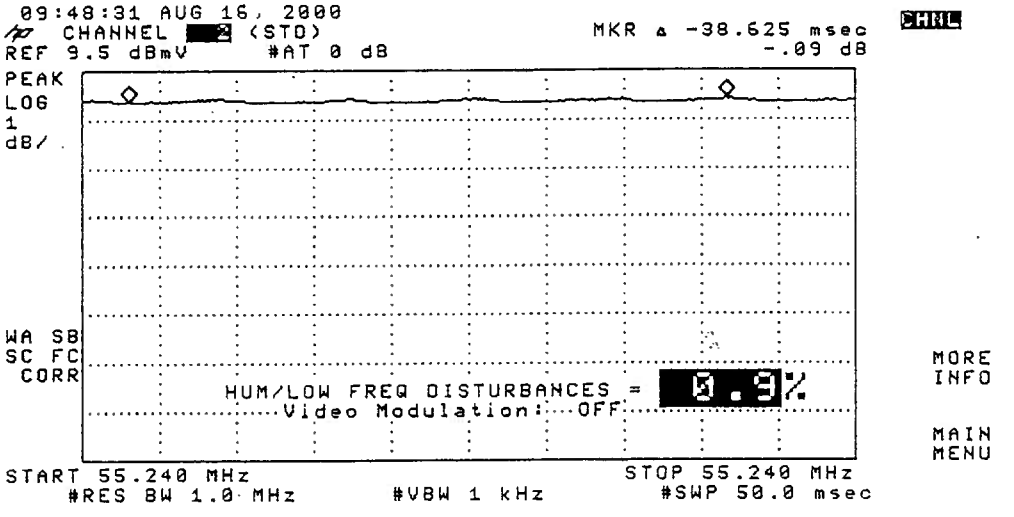
(76.605 (a) 6)

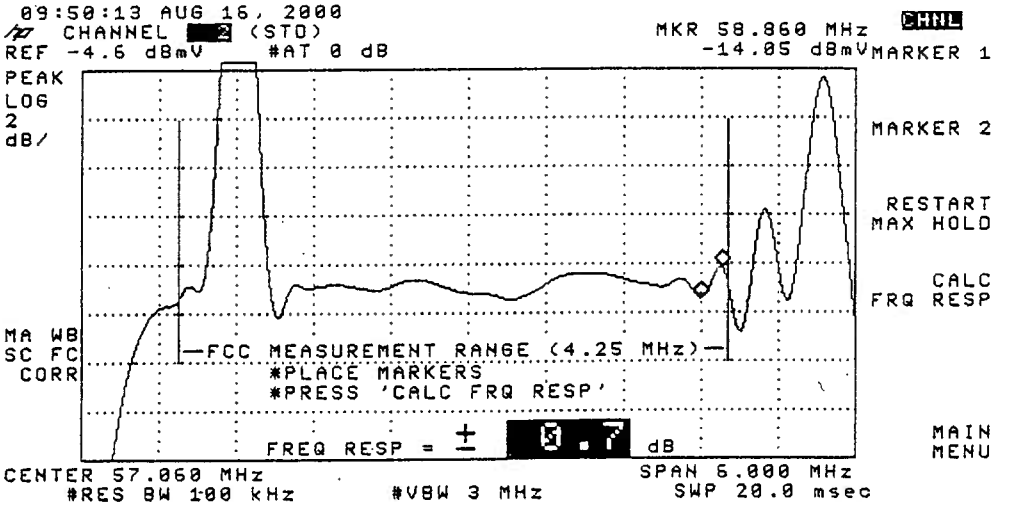
System Name: Time Warner-Syracuse Date: August 2000

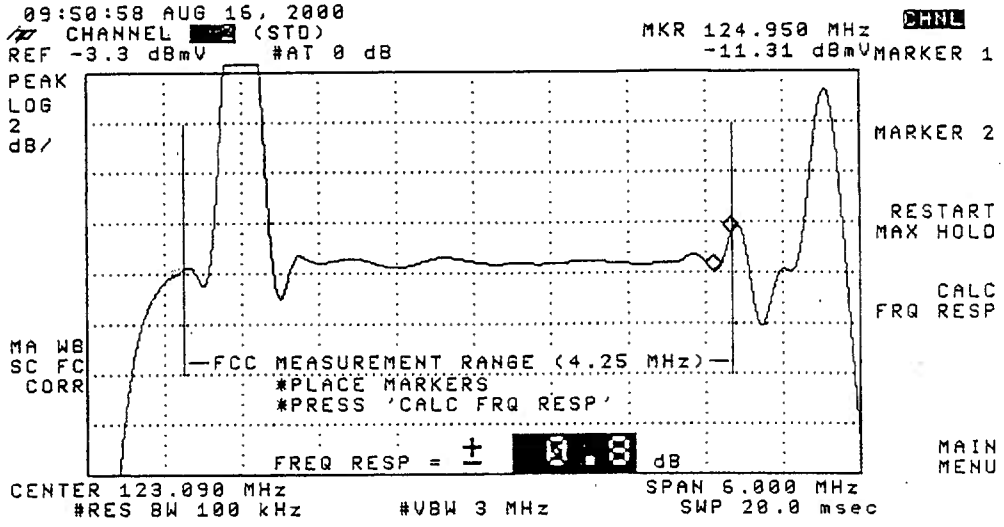
Test Performed By: Pat Thrall Location: 6524 E. Taft Rd.

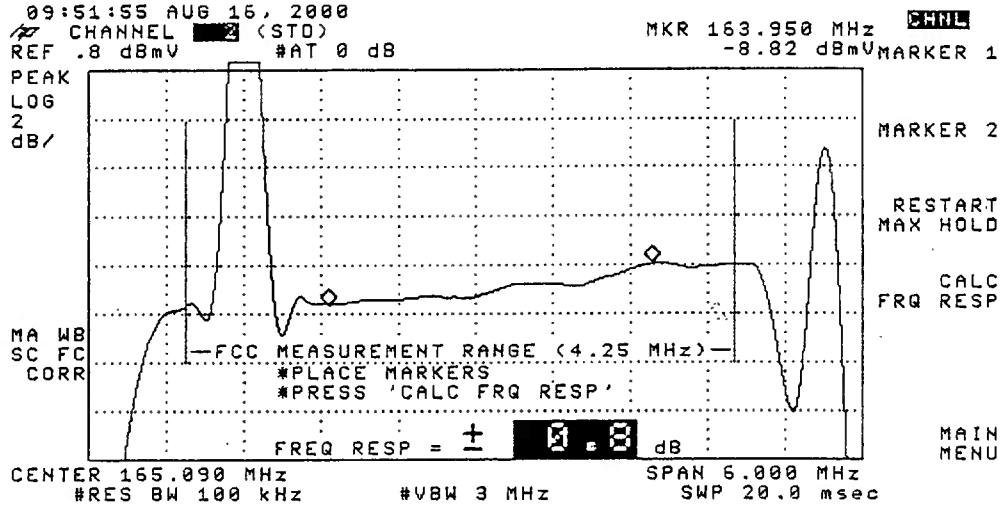
(SEE THE ATTATCHED SWEEP TRACES)

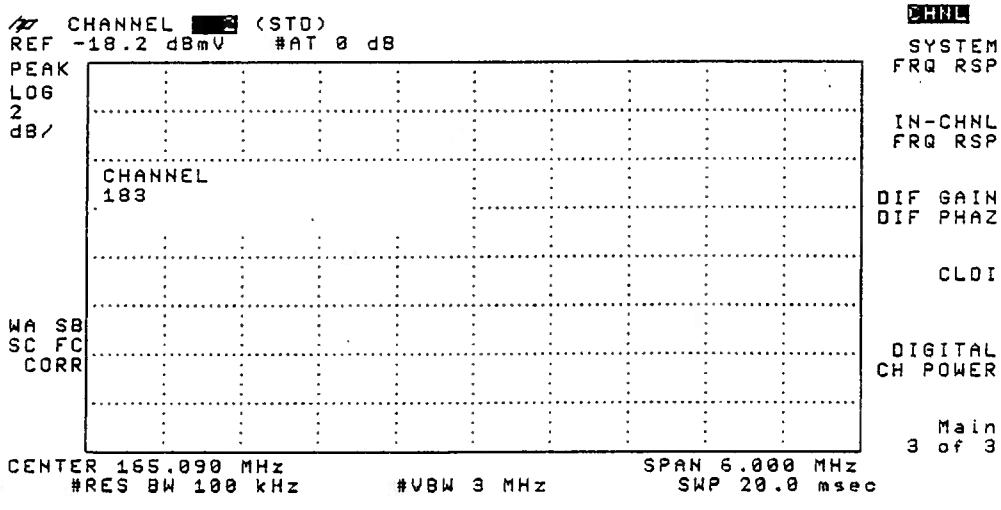

09:47:09 AUG 16, 2000
CHANNEL 2 (STD)
REF 22.8 dBmV
AT 10 dB
PEAK
LOG
10
dB/
REF LEVEL
22.8 dBmV
MA SB
SC FC
CORR
START 45.0 MHz
RES BW 3.0 MHz
VBW 1 MHz
STOP 560.0 MHz
SWP 20.0 msec
CHNL
CLEAR
WRITE A
MAX
HOLD A
VIEW A
BLANK A
Trace
A B C
More
1 of 3

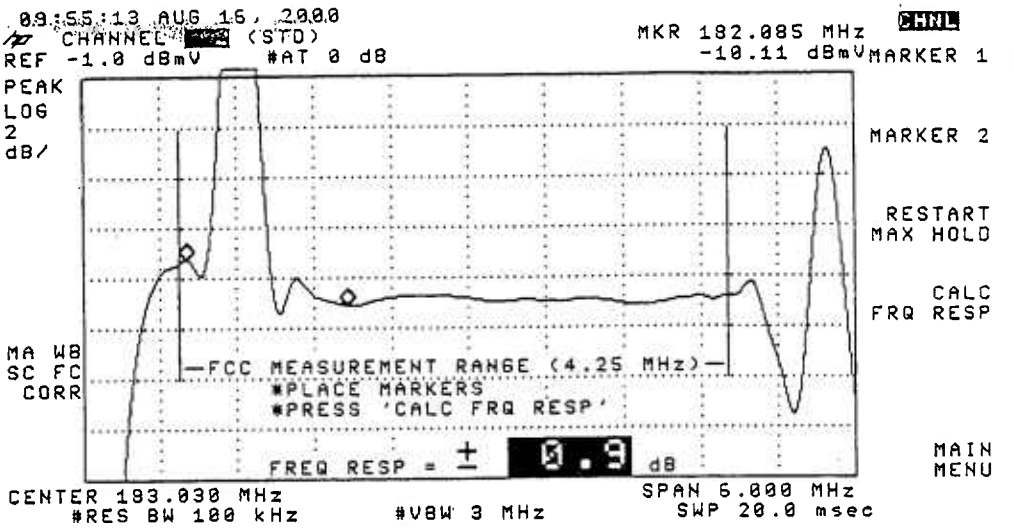

09:48:31 AUG 16, 2000
CHANNEL 2 (STD)
REF 9.5 dBmV
#AT 0 dB
MKR Δ -38.625 msec
-.09 dB
PEAK
LOG
1
dB/
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = 0.9%
Video Modulation: OFF
START 55.240 MHz
#RES BW 1.0 MHz
#VBW 1 kHz
STOP 55.240 MHz
#SWP 50.0 msec
CHNL
MORE
INFO
MAIN
MENU

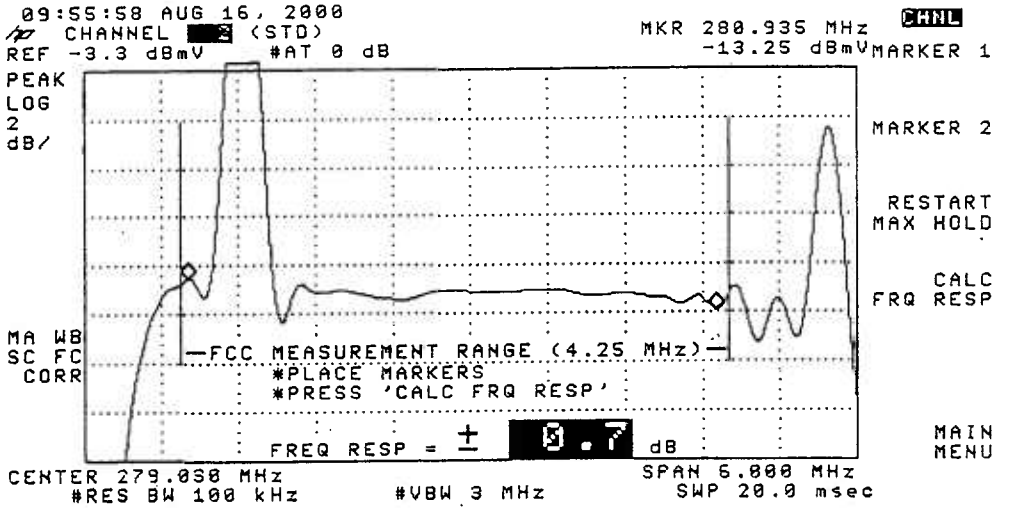

09:50:13 AUG 16, 2000
CHANNEL 2 (STD)
REF -4.6 dBmV
#AT 0 dB
MKR 58.860 MHz
-14.05 dBmV
PEAK
LOG
2
dB/
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.7 dB
CENTER 57.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec
CHNL
MARKER 1
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MAIN
MENU

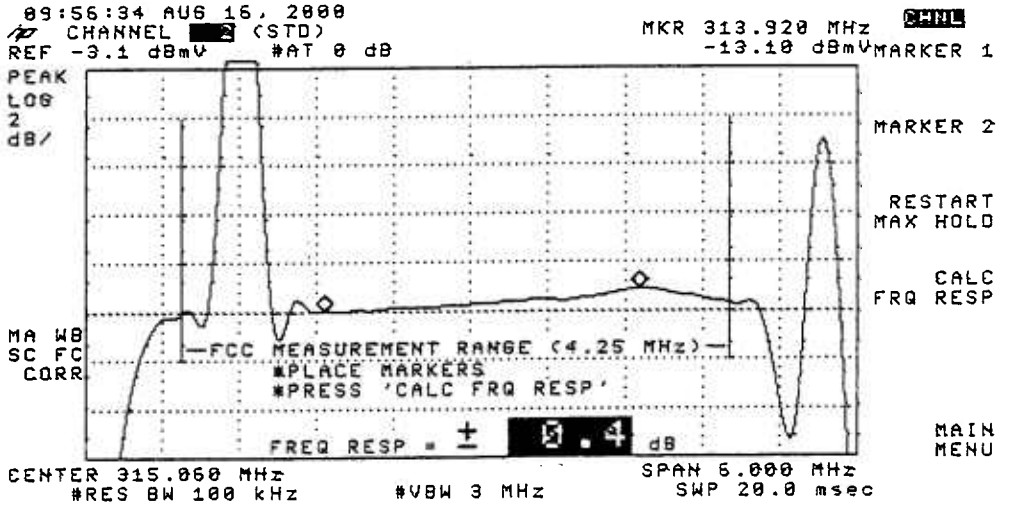

09:50:58 AUG 16, 2000
CHANNEL 2 (STD)
REF -3.3 dBmV
#AT 0 dB
MKR 124.950 MHz
-11.31 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.8 dB
MAIN
MENU
CENTER 123.090 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

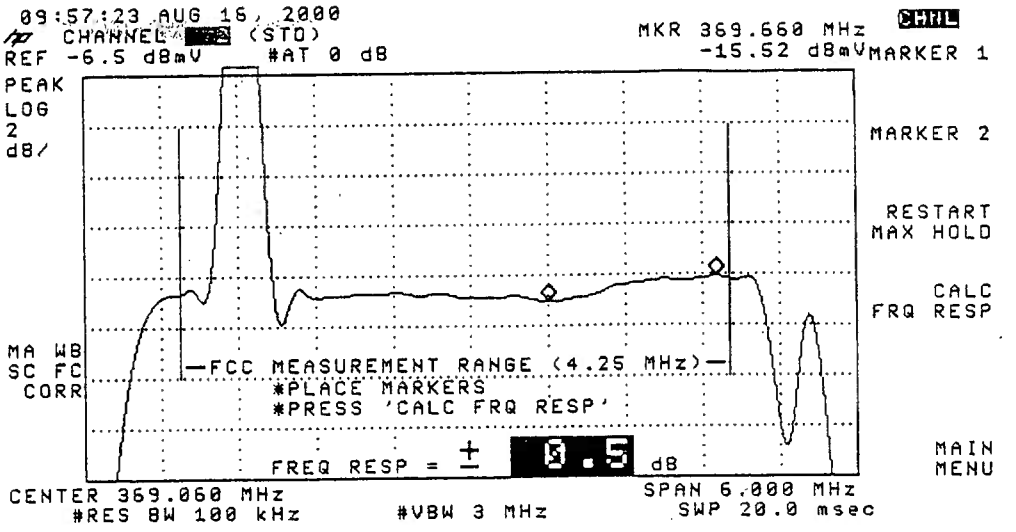

09:51:55 AUG 16, 2000
CHANNEL 2 (STD)
REF .8 dBmV
#AT 0 dB
MKR 163.950 MHz
-8.82 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.8 dB
MAIN
MENU
CENTER 165.090 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

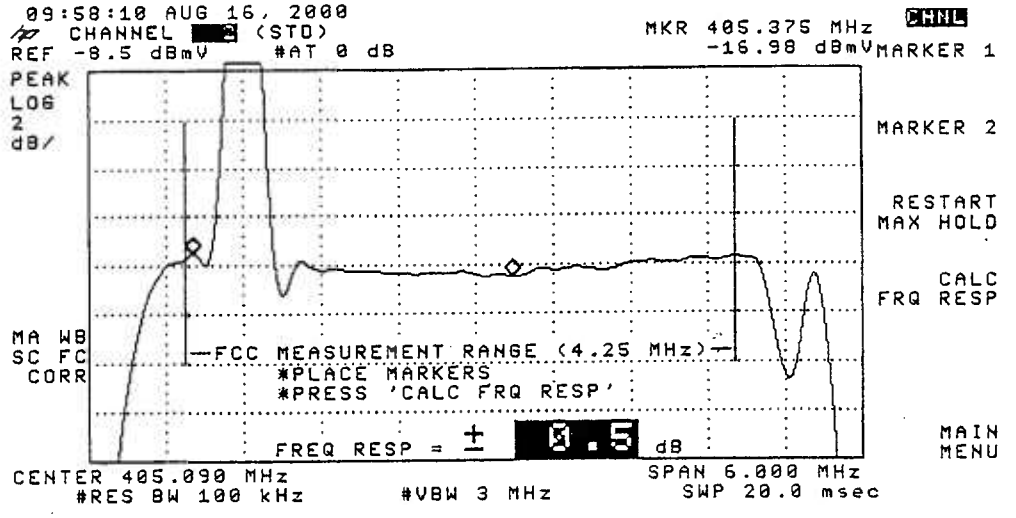

CHANNEL 2 (STD)
REF -18.2 dBmV
#AT 0 dB
CHNL
SYSTEM
FRQ RSP
PEAK
LOG
2
dB/
IN-CHNL
FRQ RSP
CHANNEL
183
DIF GAIN
DIF PHAZ
CLDI
WA SB
SC FC
CORR
DIGITAL
CH POWER
Main
3 of 3
CENTER 165.090 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

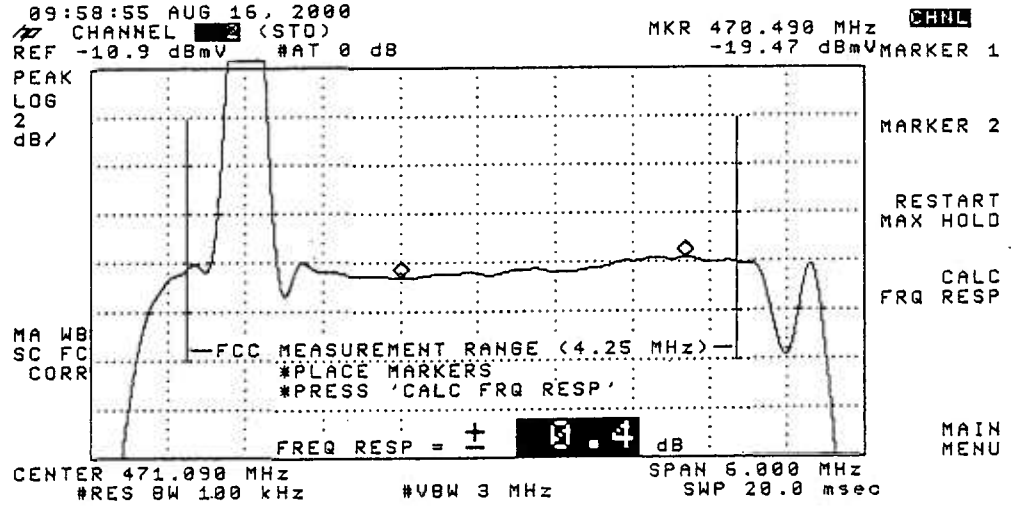

09:55:13 AUG 16, 2000
CHANNEL (STD)
REF -1.0 dBmV
#AT 0 dB
MKR 182.085 MHz
-10.11 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.9 dB
MAIN
MENU
CENTER 183.030 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 5.000 MHz
SWP 20.0 msec

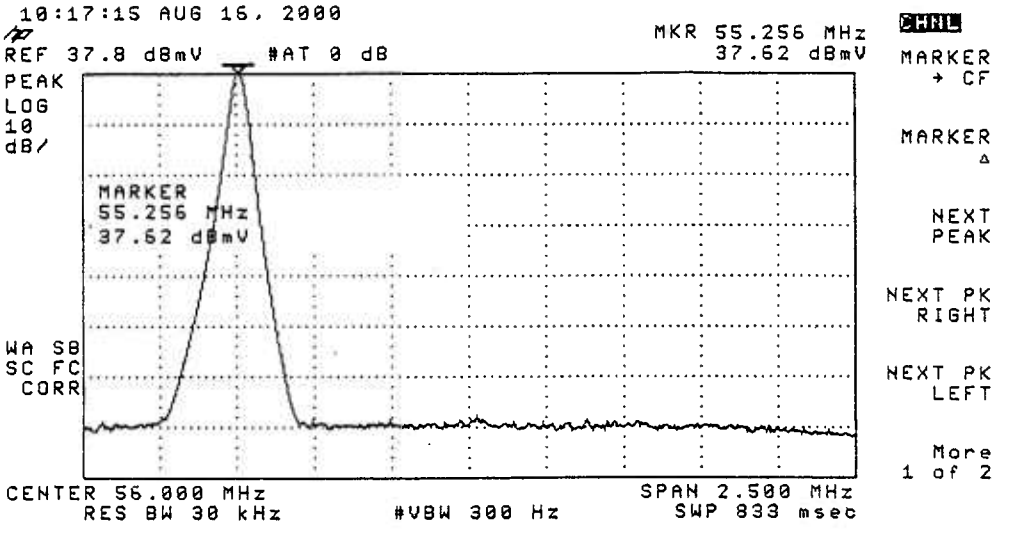

09:55:58 AUG 16, 2000
CHANNEL (STD)
REF -3.3 dBmV
#AT 0 dB
MKR 280.935 MHz
-13.25 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.7 dB
MAIN
MENU
CENTER 279.030 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 5.000 MHz
SWP 20.0 msec

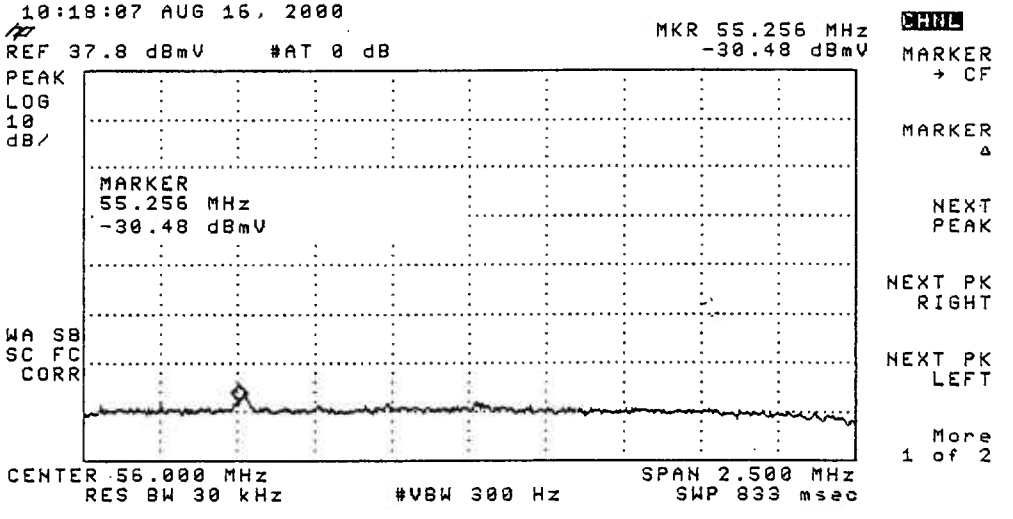

09:56:34 AUG 16, 2000
CHANNEL (STD)
REF -3.1 dBmV
#AT 0 dB
MKR 313.920 MHz
-13.18 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
CENTER 315.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 5.000 MHz
SWP 20.0 msec

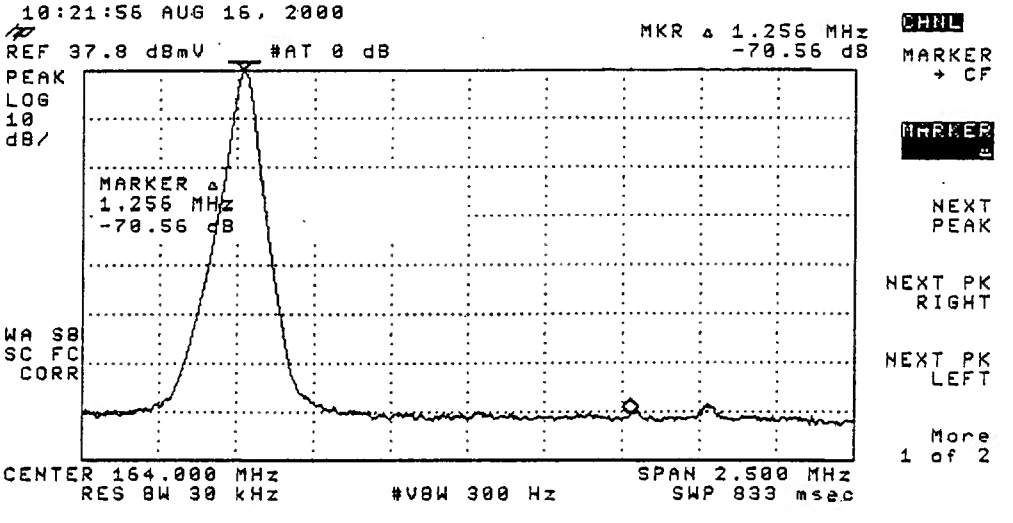

09:57:23 AUG 16, 2000
CHANNEL (STO)
REF -6.5 dBmV
#AT 0 dB
MKR 369.660 MHz
-15.52 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
CENTER 369.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

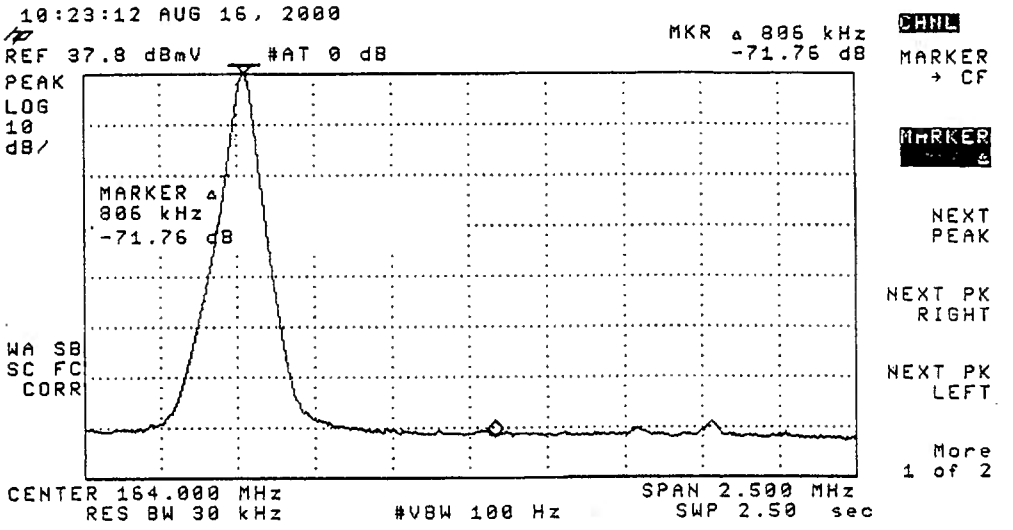

09:58:10 AUG 16, 2000
CHANNEL (STO)
REF -8.5 dBmV
#AT 0 dB
MKR 405.375 MHz
-16.98 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
CENTER 405.090 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


09:58:55 AUG 16, 2000
CHANNEL (STO)
REF -10.9 dBmV
#AT 0 dB
MKR 470.490 MHz
-19.47 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
CENTER 471.090 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


10:17:15 AUG 16, 2000
REF 37.8 dBmV
#AT 0 dB
MKR 55.256 MHz
37.62 dBmV
PEAK
LOG
10
dB/
MARKER
55.256 MHz
37.62 dBmV
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 300 Hz
SPAN 2.500 MHz
SWP 833 msec
CHNL
MARKER
→ CF
MARKER
Δ
NEXT
PEAK
NEXT PK
RIGHT
NEXT PK
LEFT
More
1 of 2


10:18:07 AUG 16, 2000
REF 37.8 dBmV
#AT 0 dB
MKR 55.256 MHz
-30.48 dBmV
PEAK
LOG
10
dB/
MARKER
55.256 MHz
-30.48 dBmV
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 300 Hz
SPAN 2.500 MHz
SWP 833 msec
CHNL
MARKER
→ CF
MARKER
Δ
NEXT
PEAK
NEXT PK
RIGHT
NEXT PK
LEFT
More
1 of 2


10:21:56 AUG 16, 2000
REF 37.8 dBmV
#AT 0 dB
MKR Δ 1.256 MHz
-70.56 dB
PEAK
LOG
10
dB/
MARKER Δ
1.256 MHz
-70.56 dB
WA SB
SC FC
CORR
CENTER 164.000 MHz
RES BW 30 kHz
#VBW 300 Hz
SPAN 2.500 MHz
SWP 833 msec
CHNL
MARKER
→ CF
MARKER
Δ
NEXT
PEAK
NEXT PK
RIGHT
NEXT PK
LEFT
More
1 of 2


10:23:12 AUG 16, 2000
REF 37.8 dBmV
#AT 0 dB
MKR Δ 806 kHz
-71.76 dB
PEAK
LOG
10
dB/
MARKER Δ
806 kHz
-71.76 dB
WA SB
SC FC
CORR
CENTER 164.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec
CHNL
MARKER
→ CF
MARKER
Δ
NEXT
PEAK
NEXT PK
RIGHT
NEXT PK
LEFT
More
1 of 2

Visual Carrier Level Variation Test 76.605 (a) 4

System Name: Time Warmer-Syracuse

Test Point Location: 6524 East Taft Rd.

Date: Aug 24-25, 2000 Performed by: R. Wentworth & P. Loran

Meter Serial Number: 9210392

Chan	Freq. (MHz)	Temp °F 77	75	68	65	Max Variation	Chan	Freq. (MHz)	Temp °F 77	75	68	65	Max Variation
		Time 10:21	16:18	21:46	03:45				Time 10:21	16:18	21:46	03:45	
		Visual Level (dbmv)							Visual Level (dbmv)				
2	55.2500	14.9	14.2	15.7	16.0	1.8	AA	301.2625	17.3	16.2	18.4	18.9	2.7
3	61.2500	16.6	16.1	17.6	18.1	2.0	BB	307.2625	17.3	16.2	18.5	18.8	2.6
4	67.2500	16.6	15.8	17.6	17.8	2.0	CC	313.2625	17.1	16.2	18.4	18.9	2.7
5	77.2500	16.0	15.4	16.8	17.4	2.0	DD	319.2625	17.0	15.8	18.2	18.7	2.9
6	83.2500	15.7	15.4	16.9	17.2	1.8	EE	325.2625	17.5	16.6	18.5	18.8	2.2
							FF	331.2750	17.5	16.2	18.8	19.2	3.0
							GG	337.2625	17.4	16.4	18.8	19.3	2.9
A-5	91.2500						HH	343.2625	16.7	15.7	18.1	18.7	3.0
A-4	97.2500						II	349.2625	17.4	16.5	18.8	18.9	2.4
A-3	103.2500						JJ	355.2625	16.7	15.7	18.0	18.5	2.8
A-2	109.2750	15.8	15.2	17.0	17.0	1.8	KK	361.2625	17.1	15.8	18.5	18.6	2.8
A-1	115.2750	15.7	15.1	16.7	17.0	1.9	LL	367.2625	16.3	15.3	17.7	18.2	2.9
A	121.2625	15.4	14.9	16.3	16.7	1.8	MM	373.2625	17.0	16.1	18.7	18.6	2.6
B	127.2625	16.6	15.9	17.7	17.8	1.9	NN	379.2625	16.9	15.8	18.3	18.7	2.9
C	133.2625	16.9	16.0	17.6	18.3	2.3	OO	385.2625	16.9	15.9	18.4	18.6	2.7
D	139.2500	16.8	16.2	17.9	18.3	2.1	PP	391.2625	16.1	15.1	17.5	18.0	2.9
E	145.2500	17.1	16.3	18.2	18.3	2.0	QQ	397.2625	16.1	15.0	17.3	17.8	2.8
F	151.2500	17.8	16.9	18.7	19.2	2.3	RR	403.2500	16.1	15.0	17.4	17.6	2.6
G	157.2500	17.9	17.2	19.2	19.4	2.2	SS	409.2500	17.1	16.1	18.4	18.8	2.7
H	163.2500	18.0	17.2	19.2	19.4	2.2	TT	415.2500	15.9	14.9	17.1	17.5	2.6
I	169.2500	17.9	17.0	19.0	19.1	2.1	UU	421.2500	16.6	15.7	18.2	18.3	2.6
7	175.2500	17.6	16.9	18.6	18.9	2.0	VV	427.2500	15.9	14.9	17.2	17.8	2.9
8	181.2500	16.3	15.8	17.7	17.7	1.9	WW	433.2500	15.7	14.5	16.7	17.5	3.0
9	187.2500	17.8	16.9	18.9	19.0	2.1	XX	439.2500	15.6	14.7	17.1	17.7	3.0
10	193.2500	17.8	16.9	18.7	19.1	2.2	YY	445.2500	16.2	15.1	17.2	18.0	2.9
11	199.2500	17.6	16.8	18.6	18.9	2.1	ZZ	451.2500	14.5	13.2	17.0	16.0	3.8
12	205.2500	17.3	16.0	18.1	18.8	2.8	63	457.2500	15.2	14.0	16.7	16.5	2.7
13	211.2500	16.5	16.1	17.8	18.3	2.2	64	463.2500	14.9	13.7	16.7	17.2	3.5
J	217.2500	16.8	15.9	17.8	18.3	2.4	65	469.2500	15.2	14.1	16.6	17.1	3.0
K	223.2500	16.4	15.3	17.5	17.8	2.5	66	475.2500	15.0	13.5	14.7	16.8	3.3
L	229.2625	16.7	15.7	17.8	18.1	2.4	67	481.2500	15.5	14.5	16.2	17.4	2.9
M	235.2625	16.6	15.6	17.6	18.0	2.4	68	487.2500	15.5	14.3	15.7	16.9	2.6
N	241.2625	16.5	15.5	17.4	17.7	2.2	69	493.2500	15.0	13.5	15.6	16.5	3.0
O	247.2625	16.4	15.6	17.5	18.1	2.5	70	499.2500	15.1	14.3	16.4	17.1	2.8
P	253.2625	16.7	15.8	17.6	18.2	2.4	71	505.2500	14.7	13.5	16.1	17.0	3.5
Q	259.2625	16.3	15.7	17.6	17.9	2.2	72	511.2500	14.8	13.7	15.9	16.3	2.6
R	265.2625	17.0	15.9	18.1	18.6	2.7	73	517.2500	14.2	13.5	16.0	16.2	2.7
S	271.2625	16.6	15.6	17.8	18.0	2.4	74	523.2500	14.7	13.5	15.8	16.6	3.1
T	277.2625	17.2	16.3	18.6	18.8	2.5	75	529.2500	15.2	14.1	16.5	17.0	2.9
U	283.2625	17.2	16.1	18.5	18.7	2.6	76	535.2500	15.1	13.5	16.8	16.8	3.3
V	289.2625	16.7	15.6	17.9	18.4	2.8	77	541.2500	15.0	13.4	16.2	16.4	3.0
W	295.2625	17.1	15.8	18.4	18.6	2.8	78	547.2500	16.5	15.1	17.8	17.8	2.7

Max NonAdjacent Channel Level Diff.	4.5
Max Adjacent Channel Level Diff.	2.1

Max Variance from last proof-of-performance test	6
Date of last proof-of-performance test	Feb 2000

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

TIME WARNER CABLE
SYRACUSE DIVISION

Proof-of-Performance Tests

System Name: Time Warner-Syracuse

System Test Point # 12

Location: 108 Victoria Pk. Dr.

Community: N. Syracuse

Pole Number: NYT-3

D.T. Value: 10

Map Number: 15-25D

OR Number: 27

Trunk Cascade: 4 LE Cascade:

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

System Name: Time Warner - Syracuse

Test Location: 108 Victoria Pk. Dr.

Date: 24-Aug-00

Time: 10:40 AM

Chan	Freq. (MHz)	Visual Level (dbmv)	Aural Level (dbmv)	Scrai "S"	Diff. (Dbmv)	Chan	Freq. (MHz)	Visual Level (dbmv)	Aural Level (dbmv)	Scrai "S"	Diff. (Dbmv)
2	55.2500	11.4	-2.4		13.8	AA	289.2625	12.7	-0.9		13.6
3	61.2500	12.7	-2.0		14.7	BB	307.2625	12.4	-1.7		14.1
4	67.2500	12.6	-2.6		15.2	CC	313.2625	12.1	-2.2		14.3
5	77.2500	11.6	-2.5		14.1	DD	319.2625	12.2	-0.6		12.8
6	83.2500	12.0	-1.9		13.9	EE	325.2625	12.9	-0.5		13.4
						FF	331.2750	12.9	-1.0		13.9
						GG	337.2625	13.2	-0.9		14.1
A-5	91.2500					HH	343.2625	12.4	-1.8		14.2
A-4	97.2500					II	349.2625	12.9	-1.6		14.5
A-3	103.2500					JJ	355.2625	12.6	-1.4		14.0
A-2	109.2750	11.9	-2.2		14.1	KK	361.2625	12.8	-1.3		14.1
A-1	115.2750	11.8	-1.5	S	13.3	LL	367.2625	12.8	-1.1		13.9
A	121.2625	11.6	-1.2		12.8	MM	373.2625	13.3	-1.0		14.3
B	127.2625	11.9	-0.8		12.7	NN	379.2625	13.4	-0.9		14.3
C	133.2625	12.2	-1.9		14.1	OO	385.2625	13.3	-1.0		14.3
D	139.2500	13.0	-1.2		14.2	PP	391.2625	12.4	-1.9		14.3
E	145.2500	13.1	-0.8		13.9	QQ	397.2625	12.3	-2.4		14.7
F	151.2500	13.3	-1.4		14.7	RR	403.2500	12.1	-2.1		14.2
G	157.2500	13.9	0.0		13.9	SS	409.2500	12.7	-1.4		14.1
H	163.2500	13.9	0.0		13.9	TT	415.2500	11.1	-3.1	S	14.2
I	169.2500	13.4	-0.4		13.8	UU	421.2500	10.6	-3.0	S	13.6
7	175.2500	14.2	0.0		14.2	VV	427.2500	10.8	-3.4		14.2
8	181.2500	13.2	-0.8		14.0	WW	433.2500	10.4	-3.6		14.0
9	187.2500	14.0	0.1		13.9	XX	439.2500	10.9	-3.8		14.7
10	193.2500	14.2	0.3		13.9	YY	445.2500	11.0	-3.6		14.6
11	199.2500	14.2	0.2		14.0	ZZ	451.2500	9.4	-5.4	S	14.8
12	205.2500	14.3	0.1		14.2	63	457.2500	9.4	-4.3	S	13.7
13	211.2500	13.9	-0.5		14.4	64	463.2500	9.5	-3.8	S	13.3
J	217.2500	14.3	-0.7		15.0	65	469.2500	9.8	-5.1		14.9
K	223.2500	13.9	-0.8		14.7	66	475.2500	9.4	-5.4	S	14.8
L	229.2625	13.8	-0.5		14.3	67	481.2500	10.2	-2.9	S	13.1
M	235.2625	13.6	-1.2		14.8	68	487.2500	9.6	-3.7	S	13.3
N	241.2625	12.8	-1.6		14.4	69	493.2500	9.6	-4.4	S	14.0
O	247.2625	12.4	-1.9		14.3	70	499.2500	10.6	-3.6	S	14.2
P	253.2625	12.5	-1.9		14.4	71	505.2500	10.3	-4.1	S	14.4
Q	259.2625	12.2	-2.1		14.3	72	511.2500	10.5	-3.2	S	13.7
R	265.2625	12.4	-1.7		14.1	73	517.2500	9.6	-4.2	S	13.8
S	271.2625	12.1	-1.5		13.6	74	523.2500	10.5	-3.3	S	13.8
T	277.2625	12.7	-1.4		14.1	75	529.2500	10.9	-3.3		14.2
U	283.2625	12.4	-2.1		14.5	76	535.2500	11.1	-2.3	S	13.4
V	289.2625	12.2	-2.0		14.2	77	541.2500	10.7	-2.8	S	13.5
W	283.2625	12.6	-1.9		14.5	78	547.2500	12.9	-2.2	S	15.1

PEAK TO VALLEY: 4.9

IN CHANNEL RESPONSE Test

CARRIER - TO - NOISE Test

COHERENT DISTURBANCES Test

LOW FREQUENCY DISTURBANCES Test

System Name: Time Warner-Syracuse **Date:** August 2000

Test Performed By: Patrick Thrall

Location: 108 Victoria Pk. Dr.

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

Channel Number	In Channel Response	Carrier To Noise Ratio	Distortions (-dBc)			
	(+/- dB)	(dB)	CTB	CSO	XMOD	(%)
2	0.9	48.5	67.1	68.6	70.2	0.8
A	1	48.9	67	69.5		
H	0.6	49	66.3	68.9		
8	0.7	49	67.8	69.6		
T	0.9	48.4	64.7	69		
CC	0.6	48.3	63.9	66.1		
LL	0.5	48	63.5	65		
RR	0.3	47.2	61.7	65.1		
CCC	0.6	47.4	60.1	64		

Time Warner Cable
Syracuse Division

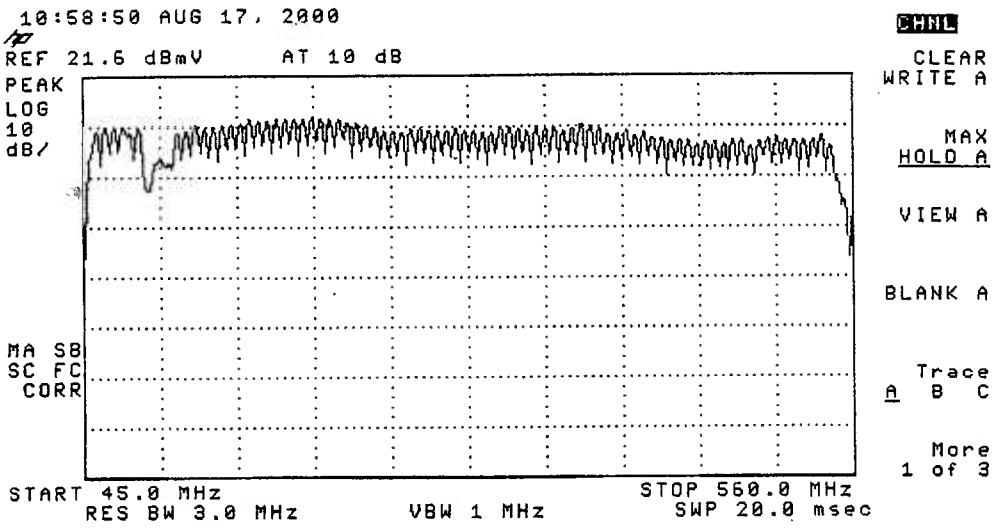
IN - CHANNEL FREQUENCY RESPONSE TEST

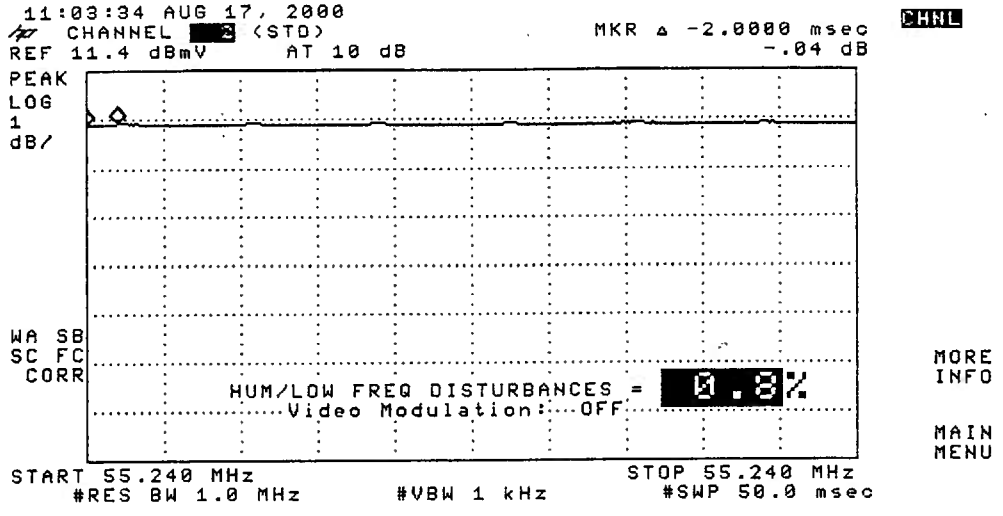
(76.605 (a) 6)

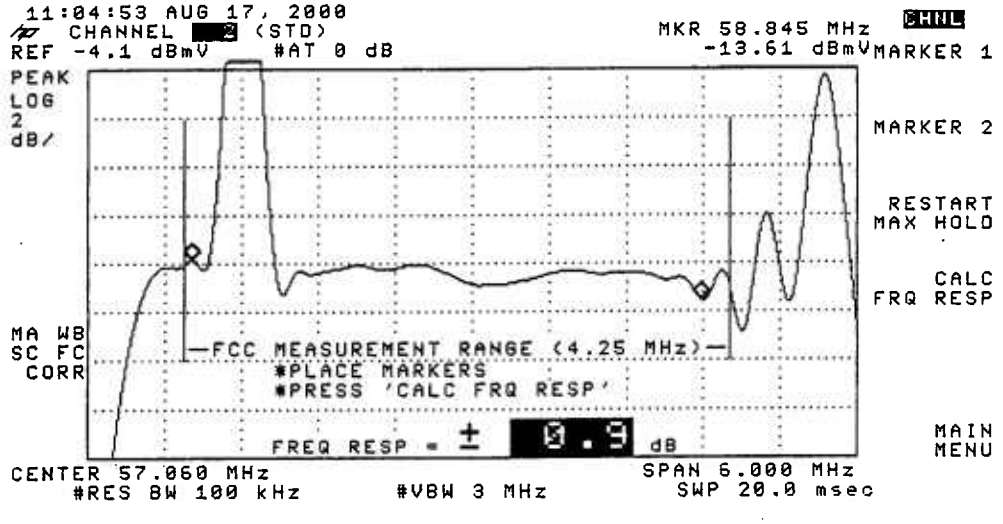
System Name: Time Warner-Syracuse Date: August 2000

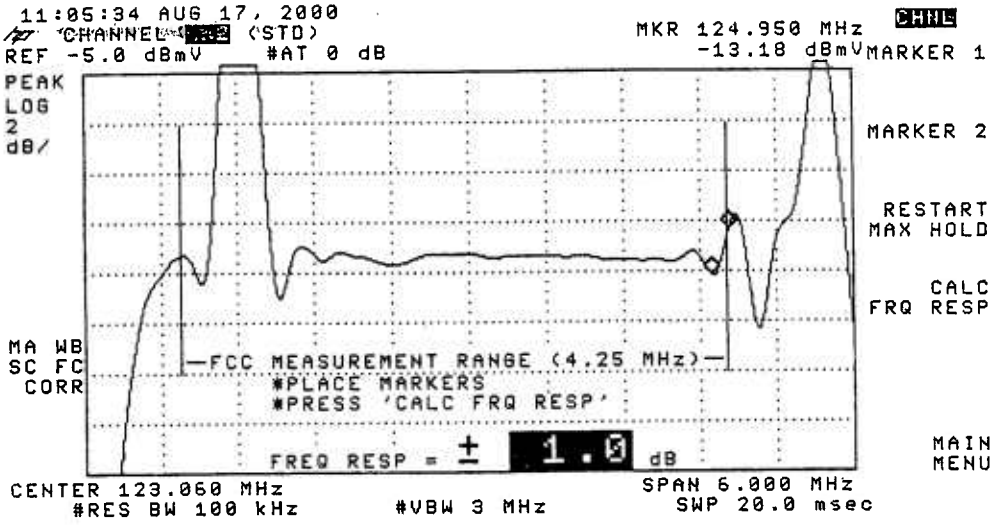
Test Performed By Pat Thrall Location: 108 Victoria Pk. Dr.

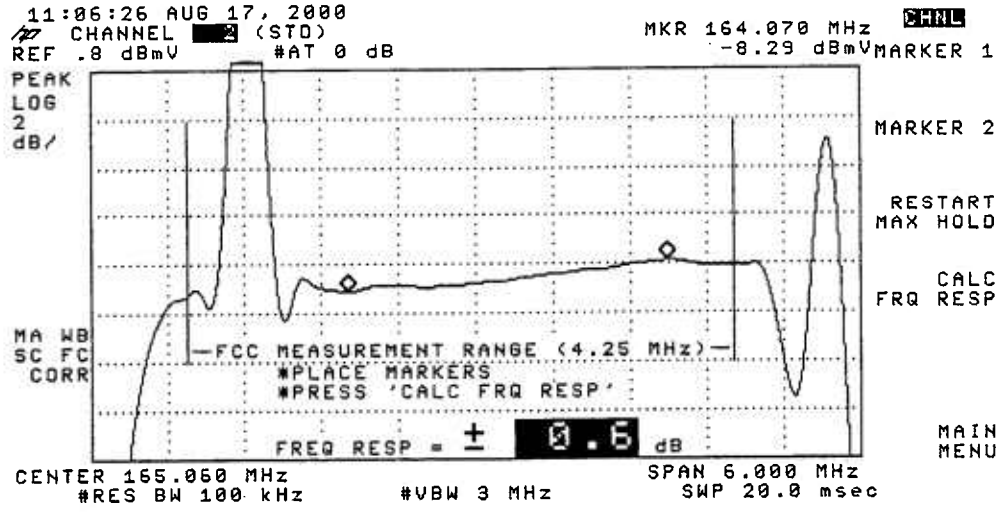
(SEE THE ATTATCHED SWEEP TRACES)

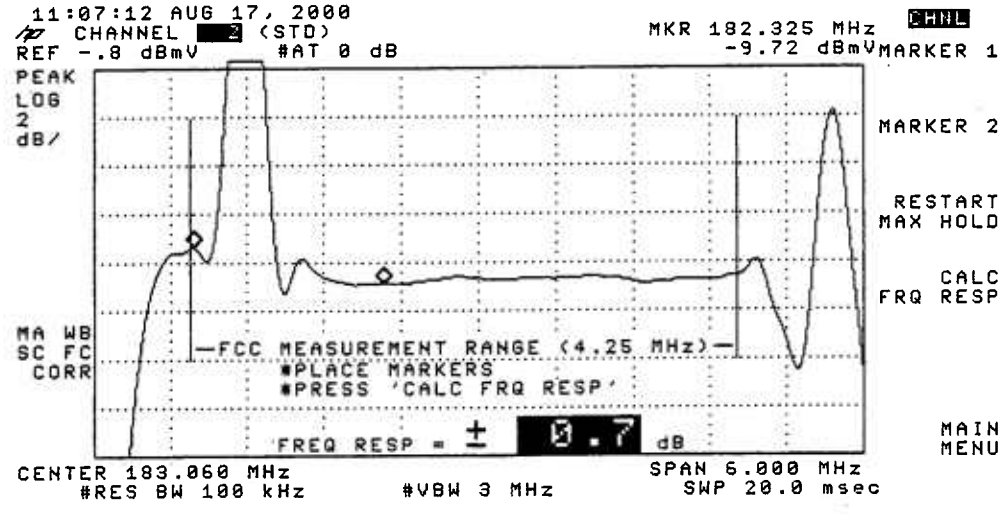

10:58:50 AUG 17, 2000
REF 21.6 dBmV
AT 10 dB
CHNL
CLEAR
WRITE A
PEAK
LOG
10
dB/
MAX
HOLD A
VIEW A
BLANK A
MA SB
SC FC
CORR
Trace
A B C
More
1 of 3
START 45.0 MHz
RES BW 3.0 MHz
VBW 1 MHz
STOP 560.0 MHz
SWP 20.0 msec

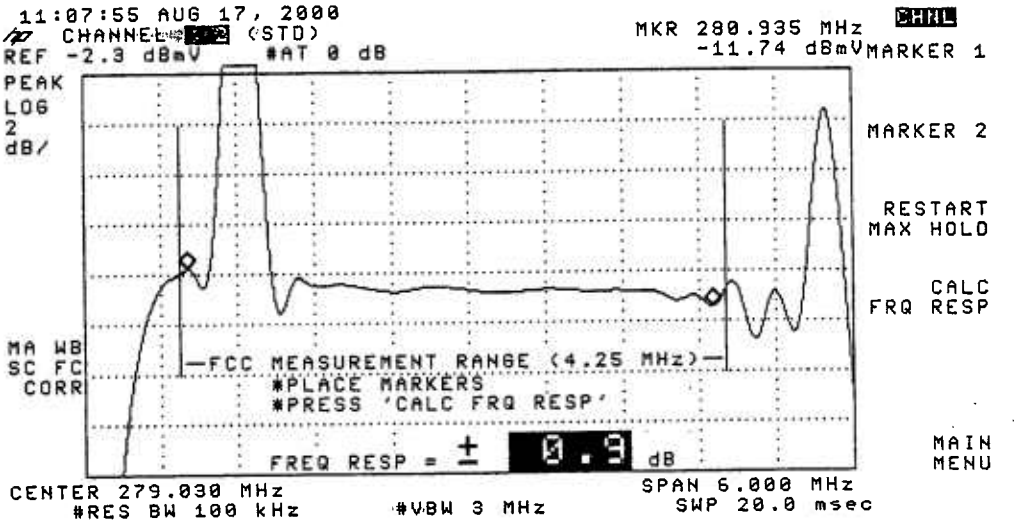

11:03:34 AUG 17, 2000
CHANNEL 2 (STD)
REF 11.4 dBmV
AT 10 dB
MKR Δ -2.0000 msec
-.04 dB
CHNL
PEAK
LOG
1
dB/
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = 0.8%
Video Modulation: OFF
MORE
INFO
MAIN
MENU
START 55.240 MHz
#RES BW 1.0 MHz
#VBW 1 kHz
STOP 55.240 MHz
#SWP 50.0 msec

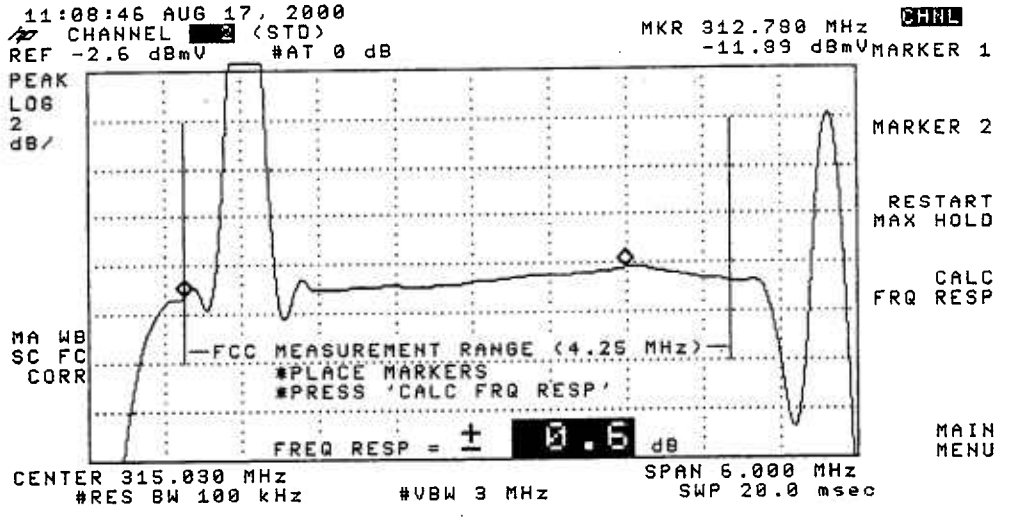

11:04:53 AUG 17, 2000
CHANNEL 2 (STD)
REF -4.1 dBmV
#AT 0 dB
MKR 58.845 MHz
-13.61 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.9 dB
MAIN
MENU
CENTER 57.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

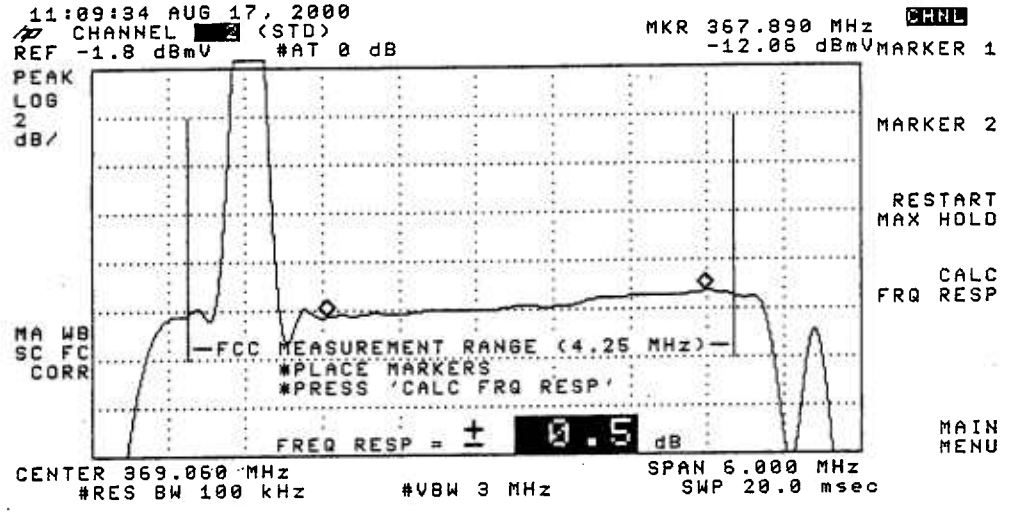

11:05:34 AUG 17, 2000
CHANNEL 2 (STD)
REF -5.0 dBmV
#AT 0 dB
MKR 124.950 MHz
-13.18 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 1.0 dB
MAIN
MENU
CENTER 123.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

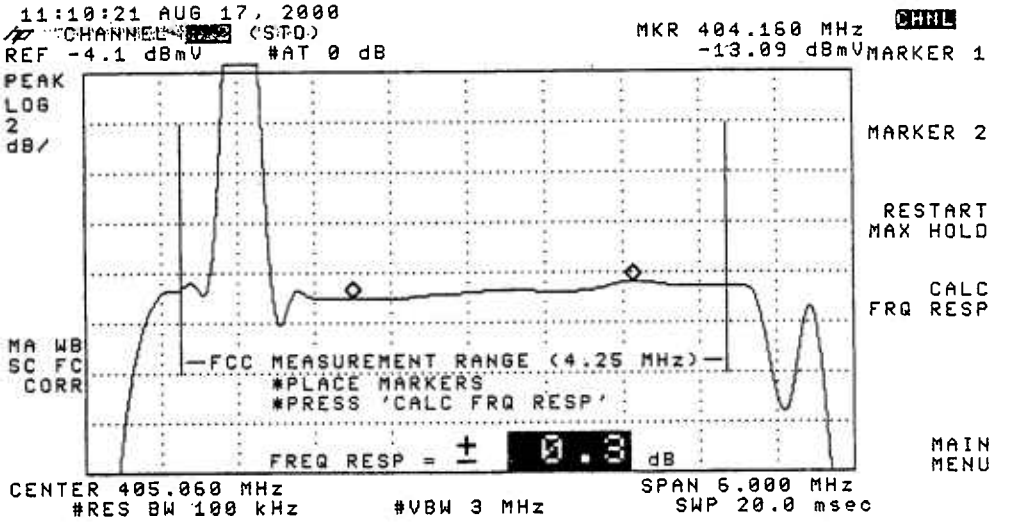

11:06:26 AUG 17, 2000
CHANNEL 2 (STD)
REF .8 dBmV
#AT 0 dB
MKR 164.070 MHz
-8.29 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.6 dB
MAIN
MENU
CENTER 165.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

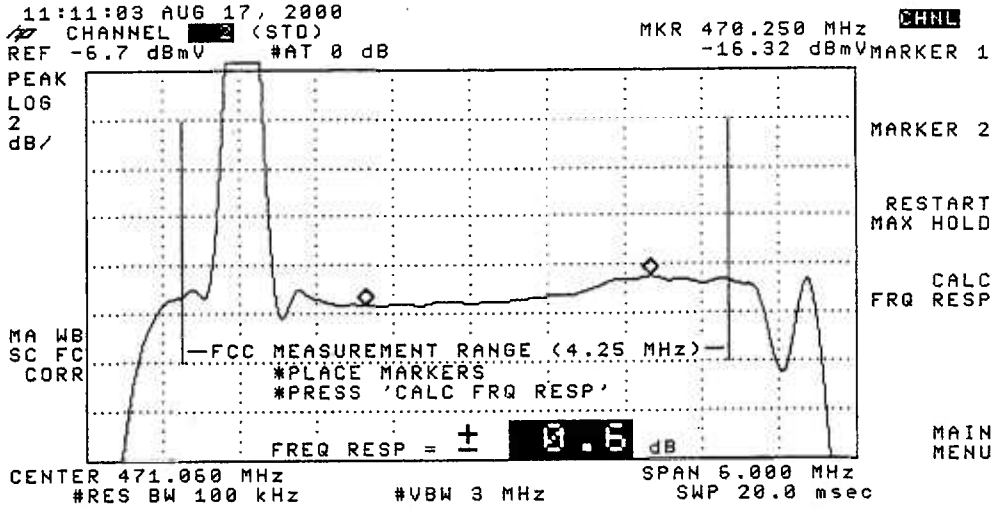

11:07:12 AUG 17, 2000
CHANNEL 2 (STD)
REF -.8 dBmV
#AT 0 dB
MKR 182.325 MHz
-9.72 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.7 dB
MAIN
MENU
CENTER 183.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

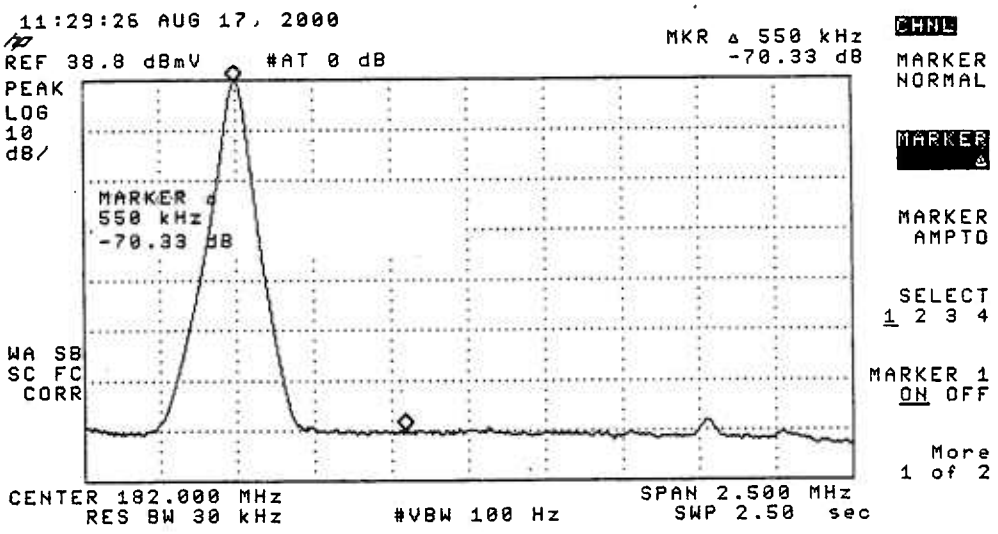

11:07:55 AUG 17, 2000
CHANNEL 2 (STD)
REF -2.3 dBmV
#AT 0 dB
MKR 280.935 MHz
-11.74 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.9 dB
MAIN
MENU
CENTER 279.030 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

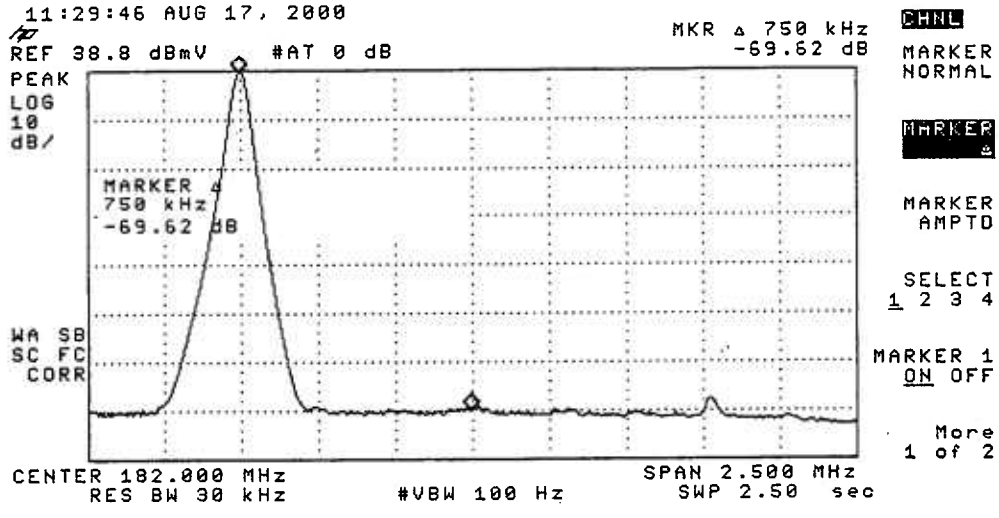

11:08:46 AUG 17, 2000
CHANNEL 2 (STD)
REF -2.6 dBmV
#AT 0 dB
MKR 312.780 MHz
-11.99 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.6 dB
MAIN
MENU
CENTER 315.030 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

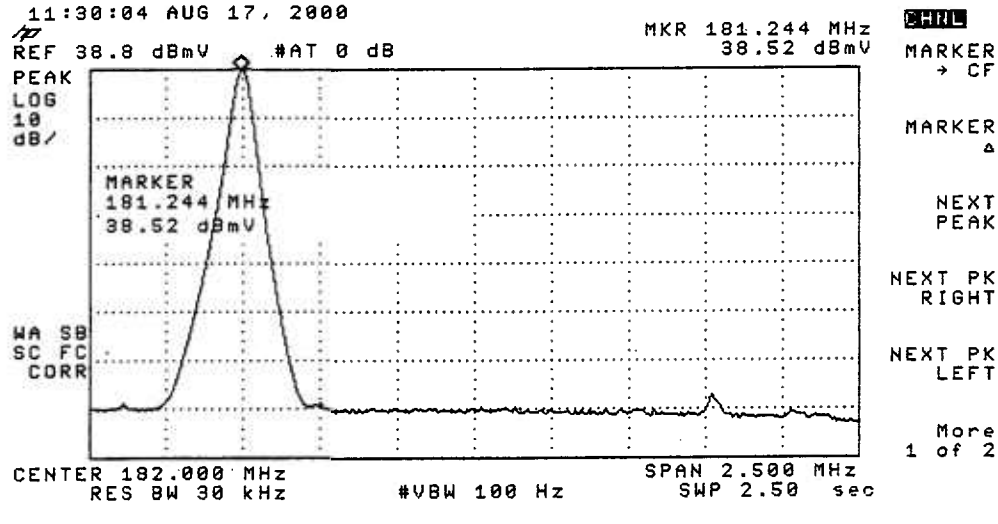

11:09:34 AUG 17, 2000
CHANNEL 2 (STD)
REF -1.8 dBmV
#AT 0 dB
MKR 367.890 MHz
-12.06 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
CENTER 369.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

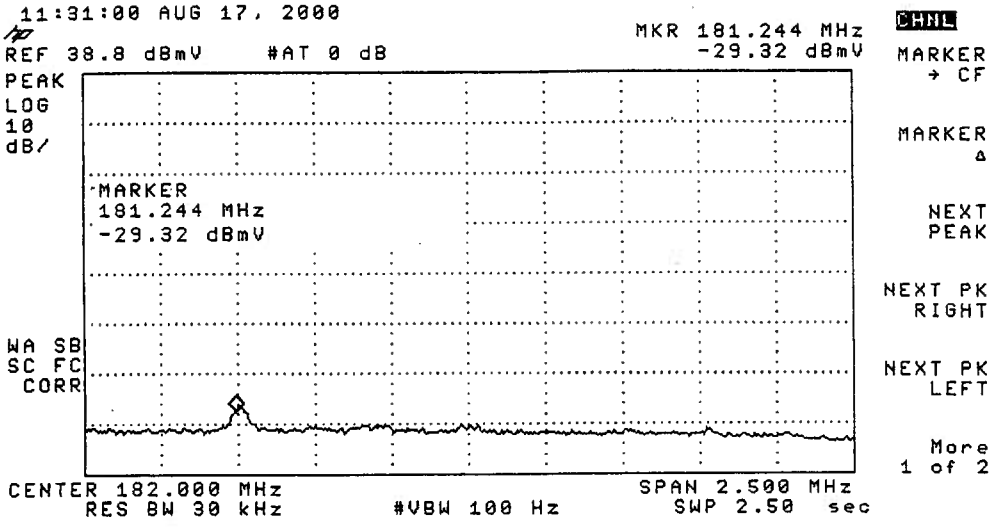

11:10:21 AUG 17, 2000
CHANNEL [redacted] (STD)
REF -4.1 dBmV
#AT 0 dB
MKR 404.160 MHz
-13.09 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
CENTER 405.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


11:11:03 AUG 17, 2000
CHANNEL [redacted] (STD)
REF -6.7 dBmV
#AT 0 dB
MKR 470.250 MHz
-16.32 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 = ± 0.6 dB
MAIN
MENU
CENTER 471.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


11:29:26 AUG 17, 2000
REF 38.8 dBmV
#AT 0 dB
MKR Δ 550 kHz
-70.33 dB
PEAK
LOG
10
dB/
MARKER Δ
550 kHz
-70.33 dB
WA SB
SC FC
CORR
CHNL
MARKER
NORMAL
MARKER Δ
MARKER
AMPTD
SELECT
1 2 3 4
MARKER 1
ON OFF
More
1 of 2
CENTER 182.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec


11:29:46 AUG 17, 2000
REF 38.8 dBmV
#AT 0 dB
MKR Δ 750 kHz
-69.62 dB
PEAK
LOG
10
dB/
MARKER Δ
750 kHz
-69.62 dB
WA SB
SC FC
CORR
CHNL
MARKER
NORMAL
MARKER Δ
MARKER
AMPTD
SELECT
1 2 3 4
MARKER 1
ON OFF
More
1 of 2
CENTER 182.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec


11:30:04 AUG 17, 2000
REF 38.8 dBmV
#AT 0 dB
MKR 181.244 MHz
38.52 dBmV
PEAK
LOG
10
dB/
MARKER
181.244 MHz
38.52 dBmV
WA SB
SC FC
CORR
CHNL
MARKER
→ CF
MARKER Δ
NEXT
PEAK
NEXT PK
RIGHT
NEXT PK
LEFT
More
1 of 2
CENTER 182.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec


11:31:00 AUG 17, 2000
REF 38.8 dBmV
#AT 0 dB
MKR 181.244 MHz
-29.32 dBmV
CHNL
MARKER
→ CF
MARKER
Δ
NEXT
PEAK
NEXT PK
RIGHT
NEXT PK
LEFT
More
1 of 2
PEAK
LOG
10
dB/
MARKER
181.244 MHz
-29.32 dBmV
WA SB
SC FC
CORR
CENTER 182.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec

Visual Carrier Level Variation Test 76.605 (a) 4

System Name: Time Warner-Syracuse

Test Point Location: 108 Victoria Pk. Dr.

Date: Aug 24-25, 2000 Performed by: R. Wentworth & P. Loran

Meter Serial Number: 9210392

Chan	Freq. (MHz)	Temp °F 78 / Time 10:40	75 / 16:36	68 / 22:03	66 / 04:02	Max Variation	Chan	Freq. (MHz)	Temp °F 78 / Time 10:40	75 / 16:36	68 / 22:03	66 / 04:02	Max Variation
		Visual Level (dbmv)							Visual Level (dbmv)				
2	55.2500	11.4	11.4	11.9	12.1	0.7	AA	301.2625	12.7	12.8	13.2	13.3	0.6
3	61.2500	12.7	12.8	13.0	13.1	0.4	BB	307.2625	12.4	12.5	12.8	13.0	0.6
4	67.2500	12.6	12.4	12.8	13.1	0.7	CC	313.2625	12.1	12.4	12.7	12.6	0.6
5	77.2500	11.6	11.6	11.9	11.9	0.3	DD	319.2625	12.2	12.4	12.1	12.8	0.7
6	83.2500	12.0	12.2	12.7	12.8	0.8	EE	325.2625	12.9	13.2	13.0	12.9	0.3
							FF	331.2750	12.9	13.2	13.2	13.3	0.4
							GG	337.2625	13.2	13.0	13.5	13.8	0.8
A-5	91.2500						HH	343.2625	12.4	12.3	12.8	13.0	0.7
A-4	97.2500						II	349.2625	12.9	13.3	13.3	13.6	0.7
A-3	103.2500						JJ	355.2625	12.6	12.7	12.9	13.0	0.4
A-2	109.2750	11.9	11.7	12.3	12.6	0.9	KK	361.2625	12.8	13.2	13.4	13.3	0.6
A-1	115.2750	11.8	11.8	12.1	12.4	0.6	LL	367.2625	12.8	12.8	13.4	13.1	0.6
A	121.2625	11.6	11.5	11.8	12.1	0.6	MM	373.2625	13.3	13.7	13.9	13.9	0.6
B	127.2625	11.9	11.9	12.3	12.4	0.5	NN	379.2625	13.4	13.7	13.8	14.1	0.7
C	133.2625	12.2	12.5	12.7	13.0	0.8	OO	385.2625	13.3	13.5	13.6	13.8	0.5
D	139.2500	13.0	12.7	13.0	13.4	0.7	PP	391.2625	12.4	12.6	13.0	13.0	0.6
E	145.2500	13.1	13.0	13.4	13.4	0.4	QQ	397.2625	12.3	12.7	12.9	12.9	0.6
F	151.2500	13.3	13.3	13.8	14.0	0.7	RR	403.2500	12.1	12.4	12.8	12.9	0.8
G	157.2500	13.9	14.4	14.8	14.8	0.9	SS	409.2500	12.7	13.2	13.4	13.6	0.9
H	163.2500	13.9	14.2	14.3	14.8	0.9	TT	415.2500	11.1	13.0	11.3	13.0	1.9
I	169.2500	13.4	13.6	14.0	14.1	0.7	UU	421.2500	10.6	11.4	12.1	12.2	1.6
7	175.2500	14.2	14.2	14.5	14.6	0.4	VV	427.2500	10.8	11.0	11.4	11.1	0.6
8	181.2500	13.2	13.1	13.4	13.4	0.3	WW	433.2500	10.4	10.8	11.2	11.4	1.0
9	187.2500	14.0	14.3	14.5	14.7	0.7	XX	439.2500	10.9	11.1	11.5	11.6	0.7
10	193.2500	14.6	14.9	15.0	15.1	0.5	YY	445.2500	11.0	11.0	11.5	11.5	0.5
11	199.2500	14.7	14.5	15.1	15.1	0.6	ZZ	451.2500	9.4	9.5	9.8	10.3	0.9
12	205.2500	14.3	14.6	14.7	14.7	0.4	63	457.2500	9.4	9.4	10.4	10.8	1.4
13	211.2500	13.9	14.3	14.7	14.6	0.8	64	463.2500	9.3	9.3	10.1	10.4	1.1
J	217.2500	14.5	14.6	15.0	14.6	0.5	65	469.2500	9.8	9.9	10.3	10.3	0.5
K	223.2500	13.9	14.1	14.3	14.4	0.5	66	475.2500	9.4	9.4	10.3	9.5	0.9
L	229.2625	13.8	13.7	14.1	14.3	0.6	67	481.2500	10.2	10.2	10.6	10.6	0.4
M	235.2625	13.6	13.6	13.8	14.0	0.4	68	487.2500	9.6	9.9	10.6	10.0	1.0
N	241.2625	12.8	12.7	13.1	13.2	0.5	69	493.2500	9.6	9.6	10.2	10.4	0.8
O	247.2625	12.4	12.2	12.7	12.8	0.6	70	499.2500	10.6	10.4	10.8	11.1	0.7
P	253.2625	12.5	12.4	12.8	12.8	0.4	71	505.2500	10.3	10.0	10.6	10.9	0.9
Q	259.2625	12.2	12.4	12.5	12.7	0.5	72	511.2500	10.5	10.7	11.2	10.7	0.7
R	265.2625	12.4	12.5	12.9	13.1	0.7	73	517.2500	9.6	9.4	10.5	10.8	1.4
S	271.2625	12.1	12.2	12.6	12.5	0.5	74	523.2500	10.5	10.6	10.4	10.9	0.5
T	277.2625	12.7	12.8	13.1	13.2	0.5	75	529.2500	10.9	10.9	11.2	11.4	0.5
U	283.2625	12.4	12.4	12.8	13.0	0.6	76	535.2500	11.1	10.1	10.9	11.7	1.6
V	289.2625	12.2	12.0	12.6	13.0	1.0	77	541.2500	10.7	10.7	11.4	11.4	0.7
W	295.2625	12.6	12.6	13.0	13.3	0.7	78	547.2500	12.9	12.7	12.8	12.8	0.2

Max NonAdjacent Channel Level Diff.	5.6
Max Adjacent Channel Level Diff.	2.2

Max Variance from last proof-of-performance test	7
Date of last proof-of-performance test	Feb 2000

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

TIME WARNER CABLE
SYRACUSE DIVISION

Proof-of-Performance Tests

System Name: Time Warner-Syracuse

System Test Point # 13

Location: 109 Patricia Dr.

Community: N. Syracuse

Pole Number: 3/3

D.T. Value: 17-4

Map Number: 17-25a

OR Number: 29

Trunk Cascade: 3 LE Cascade: 1

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

System Name: Time Warner - Syracuse

Test Location: 109 Patricia Dr.

Date: 24-Aug-00

Time: 10:51 AM

Chan	Freq. (MHz)	Visual Level (dbmv)	Aural Level (dbmv)	Scrai "S"	Diff. (Dbmv)	Chan	Freq. (MHz)	Visual Level (dbmv)	Aural Level (dbmv)	Scrai "S"	Diff. (Dbmv)
2	55.2500	9.6	-3.9		13.5	AA	289.2625	10.1	-2.9		13.0
3	61.2500	11.1	-4.0		15.1	BB	307.2625	10.1	-4.1		14.2
4	67.2500	10.7	-4.7		15.4	CC	313.2625	9.9	-4.8		14.7
5	77.2500	10.1	-3.9		14.0	DD	319.2625	9.6	-2.9		12.5
6	83.2500	10.4	-3.9		14.3	EE	325.2625	10.1	-2.9		13.0
						FF	331.2750	10.5	-3.5		14.0
						GG	337.2625	10.8	-3.2		14.0
A-5	91.2500					HH	343.2625	9.8	-4.0		13.8
A-4	97.2500					II	349.2625	10.8	-3.7		14.5
A-3	103.2500					JJ	355.2625	10.3	-3.7		14.0
A-2	109.2750	9.8	-4.0		13.8	KK	361.2625	10.7	-3.4		14.1
A-1	115.2750	9.9	-3.2	S	13.1	LL	367.2625	10.5	-3.2		13.7
A	121.2625	9.3	-3.0		12.3	MM	373.2625	11.7	-2.7		14.4
B	127.2625	10.5	-2.9		13.4	NN	379.2625	11.6	-2.6		14.2
C	133.2625	10.1	-4.1		14.2	OO	385.2625	11.6	-2.6		14.2
D	139.2500	10.1	-3.9		14.0	PP	391.2625	11.0	-3.6		14.6
E	145.2500	10.4	-3.4		13.8	QQ	397.2625	10.7	-4.6		15.3
F	151.2500	10.5	-3.2		13.7	RR	403.2500	9.6	-3.8		13.4
G	157.2500	11.3	-2.3		13.6	SS	409.2500	11.4	-3.0		14.4
H	163.2500	11.2	-2.4		13.6	TT	415.2500	9.4	-4.5	S	13.9
I	169.2500	11.2	-3.1		14.3	UU	421.2500	9.7	-4.3	S	14.0
7	175.2500	10.8	-3.3		14.1	VV	427.2500	9.6	-4.7		14.3
8	181.2500	9.6	-4.1		13.7	WW	433.2500	8.9	-5.0		13.9
9	187.2500	10.9	-2.8		13.7	XX	439.2500	9.3	-5.2		14.5
10	193.2500	11.5	-2.6		14.1	YY	445.2500	9.2	-5.4		14.6
11	199.2500	11.3	-2.9		14.2	ZZ	451.2500	7.3	-6.8	S	14.1
12	205.2500	11.1	-3.0		14.1	63	457.2500	8.0	-6.1	S	14.1
13	211.2500	10.5	-3.9		14.4	64	463.2500	7.0	-5.5	S	12.5
J	217.2500	10.7	-4.4		15.1	65	469.2500	7.7	-6.6		14.3
K	223.2500	10.4	-4.2		14.6	66	475.2500	7.8	-6.3	S	14.1
L	229.2625	9.9	-4.0		13.9	67	481.2500	8.6	-4.5	S	13.1
M	235.2625	9.6	-3.9		13.5	68	487.2500	8.5	-5.3	S	13.8
N	241.2625	9.7	-4.1		13.8	69	493.2500	8.4	-6.4	S	14.8
O	247.2625	9.7	-4.2		13.9	70	499.2500	7.9	-6.3	S	14.2
P	253.2625	9.7	-4.5		14.2	71	505.2500	8.0	-6.7	S	14.7
Q	259.2625	9.5	-4.6		14.1	72	511.2500	7.9	-5.7	S	13.6
R	265.2625	9.9	-3.9		13.8	73	517.2500	7.5	-7.1	S	14.6
S	271.2625	9.9	-4.0		13.9	74	523.2500	8.0	-6.1	S	14.1
T	277.2625	9.7	-4.4		14.1	75	529.2500	8.4	-5.9		14.3
U	283.2625	9.7	-4.2		13.9	76	535.2500	8.5	-4.7	S	13.2
V	289.2625	9.5	-4.0		13.5	77	541.2500	8.6	-5.2	S	13.8
W	283.2625	9.9	-3.9		13.8	78	547.2500	10.6	-4.6	S	15.2

PEAK TO VALLEY: 4.7

IN CHANNEL RESPONSE Test

CARRIER - TO - NOISE Test

COHERENT DISTURBANCES Test

LOW FREQUENCY DISTURBANCES Test

System Name: Time Warner-Syracuse **Date:** August 2000

Test Performed By: Patrick Thrall

Location: 109 Patricia Dr.

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

Channel Number	In Channel Response	Carrier To Noise Ratio	Distortions (-dBc)			Hum
	(+/- dB)	(dB)	CTB	CSO	XMOD	(%)
2	0.9	48.6	69	67.3	70	0.7
A	0.8	48.4	68	67.2		
H	1	48	67.1	67		
8	1	48.2	65	66.9		
T	0.7	47.6	64.2	66.7		
CC	0.5	47.9	63	63.4		
LL	0.5	47.2	63.3	63.8		
RR	0.3	47	61.4	64		
CCC	0.4	47.5	60	62.1		

Time Warner Cable
Syracuse Division

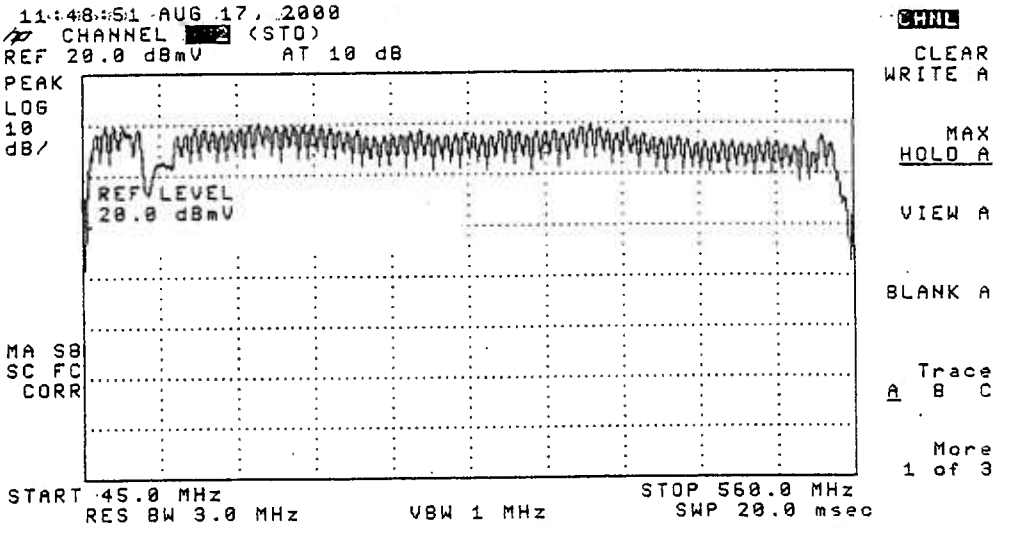
IN - CHANNEL FREQUENCY RESPONSE TEST

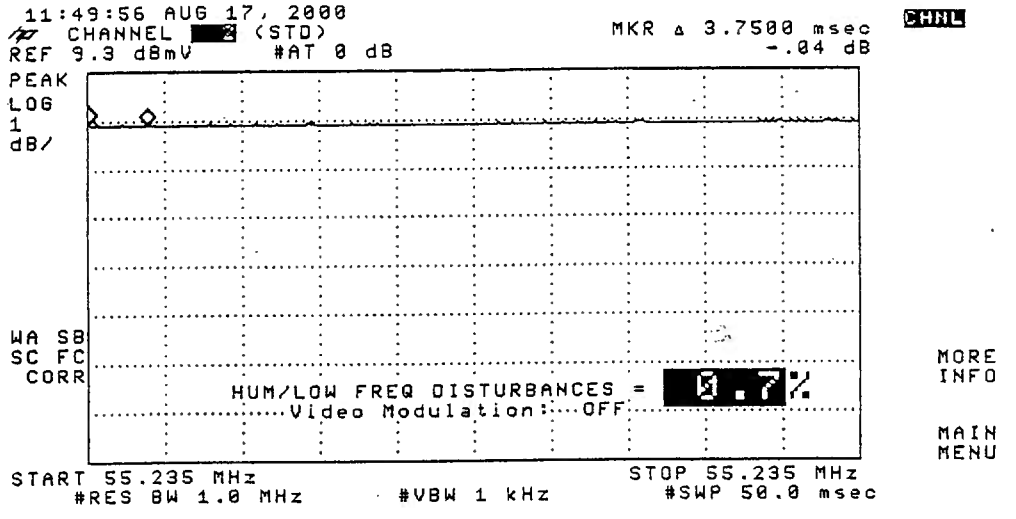
(76.605 (a) 6)

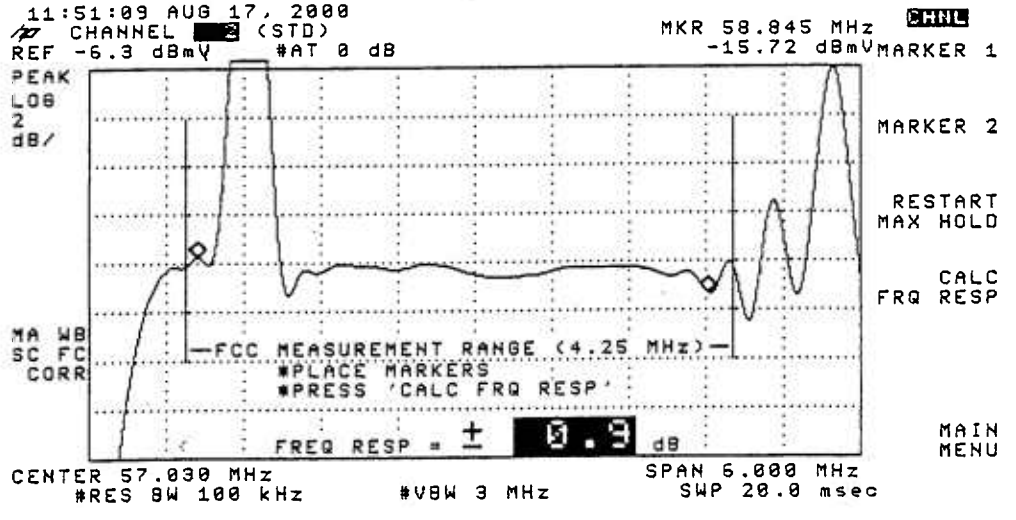
System Name: Time Warner-Syracuse Date: August 2000

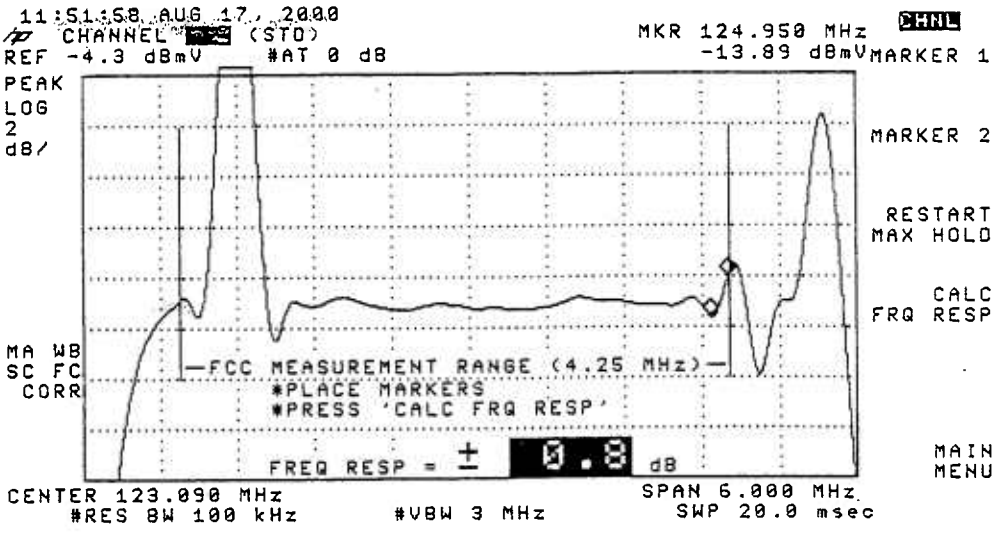
Test Performed By Pat Thrall Location: 109 Patricia Dr.

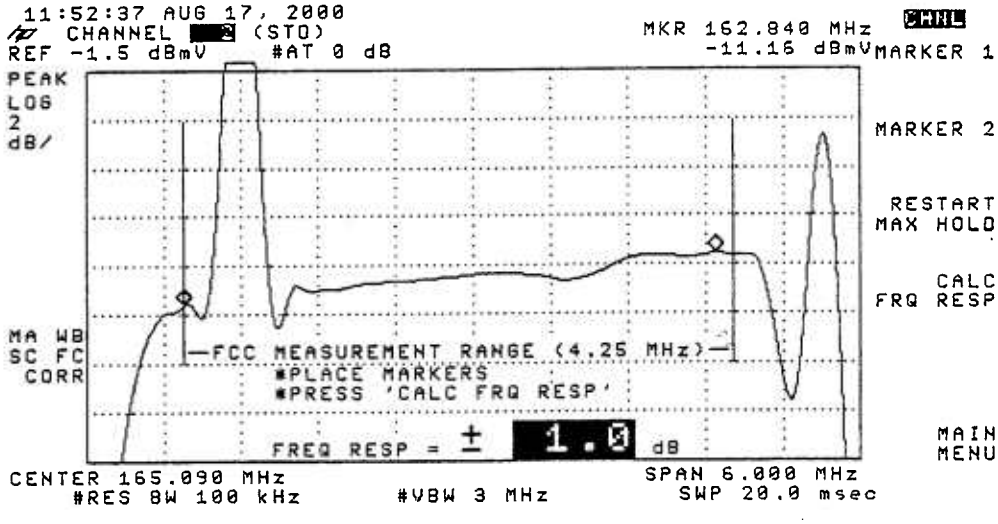
(SEE THE ATTATCHED SWEEP TRACES)

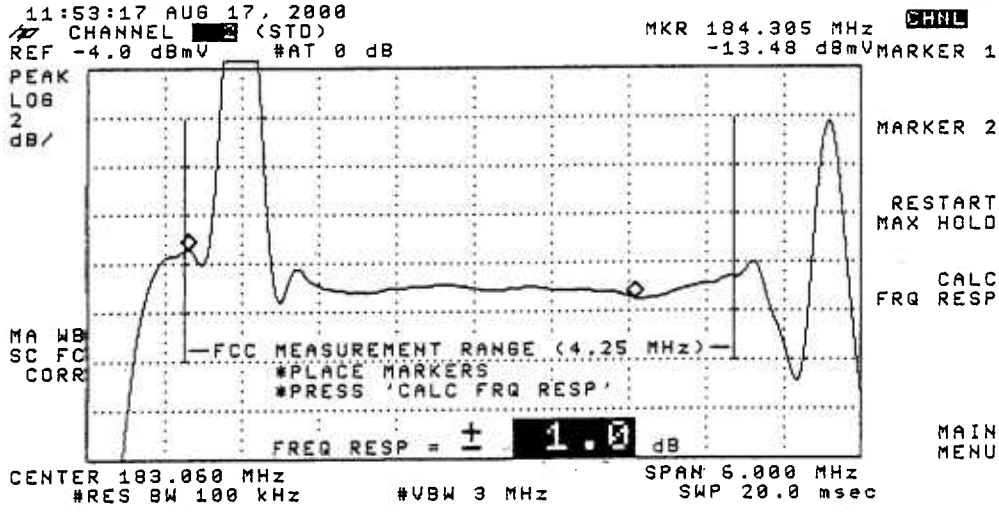

11:48:51 AUG 17, 2000
CHANNEL 2 (STD)
REF 20.0 dBmV
AT 10 dB
CHNL
PEAK
LOG
10
dB/
REF LEVEL
20.0 dBmV
CLEAR
WRITE A
MAX
HOLD A
VIEW A
BLANK A
MA SB
SC FC
CORR
Trace
A B C
More
1 of 3
START 45.0 MHz
RES BW 3.0 MHz
VBW 1 MHz
STOP 560.0 MHz
SWP 20.0 msec

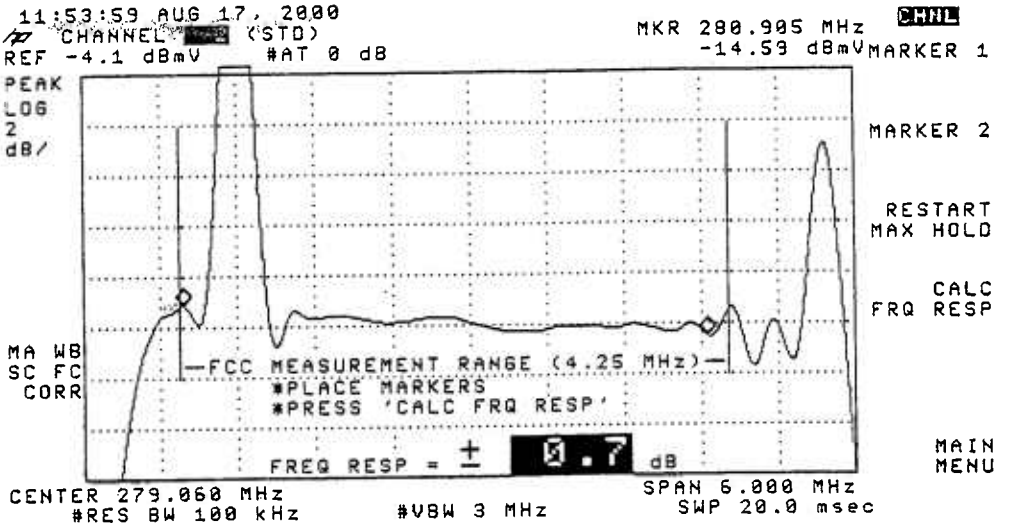

11:49:56 AUG 17, 2000
CHANNEL 2 (STD)
REF 9.3 dBmV
#AT 0 dB
MKR Δ 3.7500 msec
-.04 dB
CHNL
PEAK
LOG
1
dB/
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = 0.7 %
Video Modulation: OFF
MORE
INFO
MAIN
MENU
START 55.235 MHz
#RES BW 1.0 MHz
#VBW 1 kHz
STOP 55.235 MHz
#SWP 50.0 msec

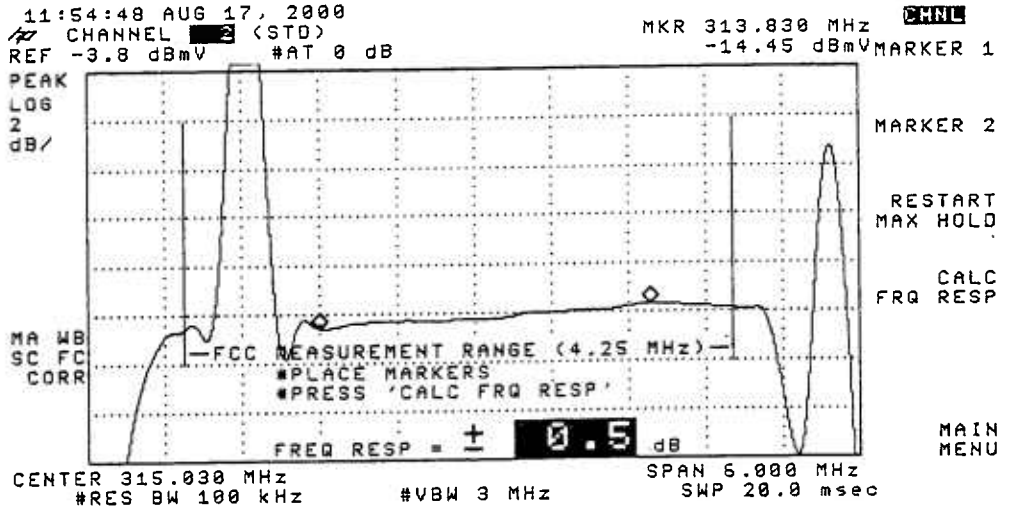

11:51:09 AUG 17, 2000
CHANNEL 2 (STD)
REF -6.3 dBmV
#AT 0 dB
MKR 58.845 MHz
-15.72 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
CENTER 57.030 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

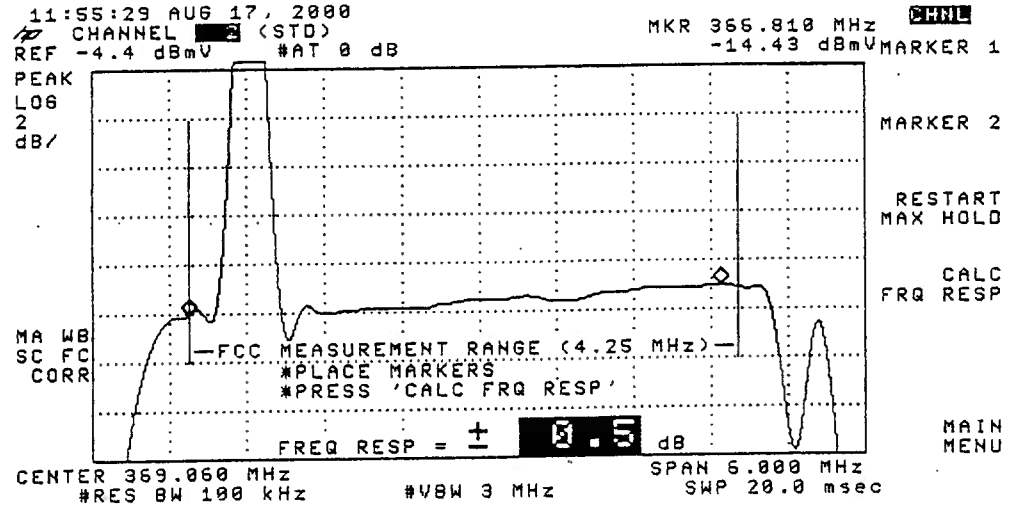

11:51:58 AUG 17, 2000
CHANNEL 2 (STD)
REF -4.3 dBmV
#AT 0 dB
MKR 124.950 MHz
-13.89 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.8 dB
MAIN
MENU
CENTER 123.090 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

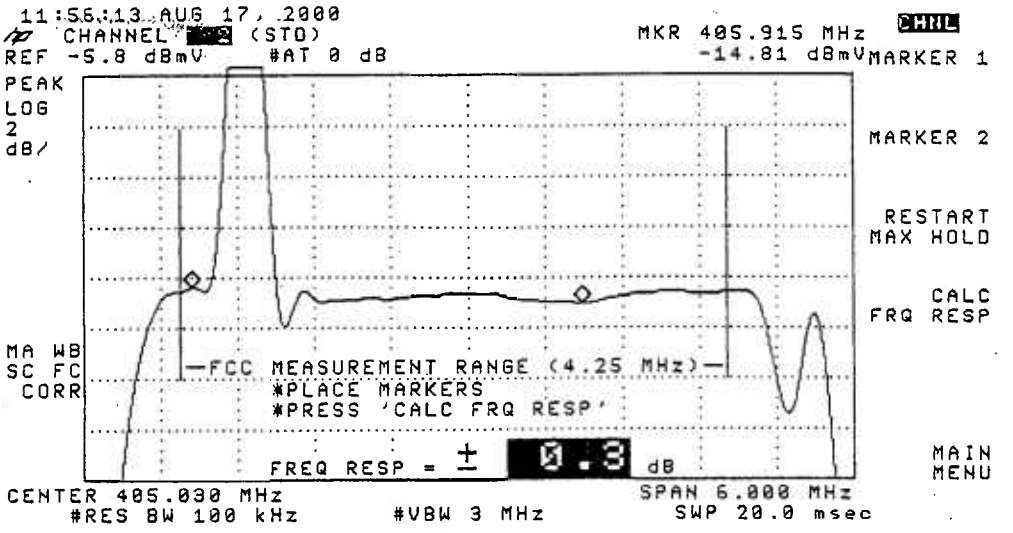

11:52:37 AUG 17, 2000
CHANNEL 2 (STD)
REF -1.5 dBmV
#AT 0 dB
MKR 162.840 MHz
-11.16 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 1.0 dB
MAIN
MENU
CENTER 165.090 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

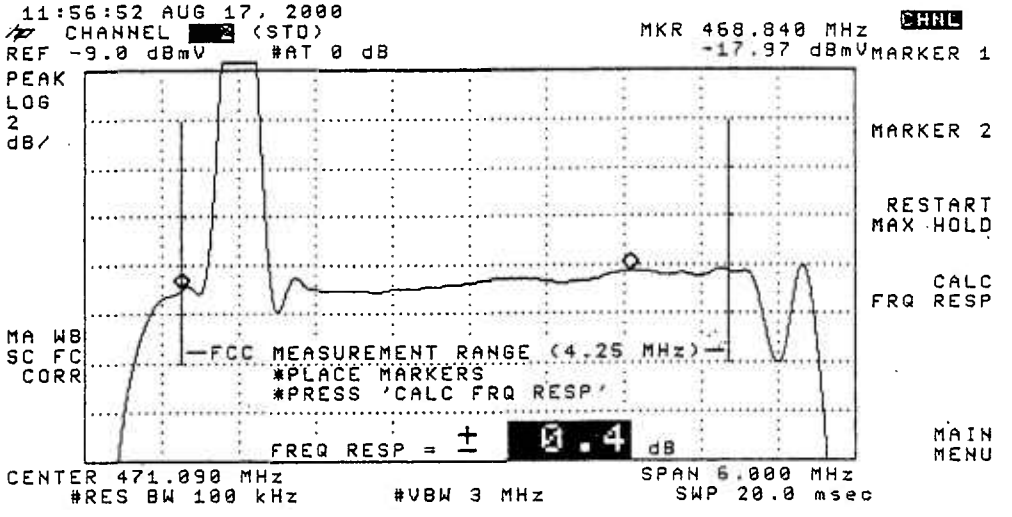

11:53:17 AUG 17, 2000
CHANNEL 2 (STD)
REF -4.0 dBmV
#AT 0 dB
MKR 184.305 MHz
-13.48 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 1.0 dB
MAIN
MENU
CENTER 183.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

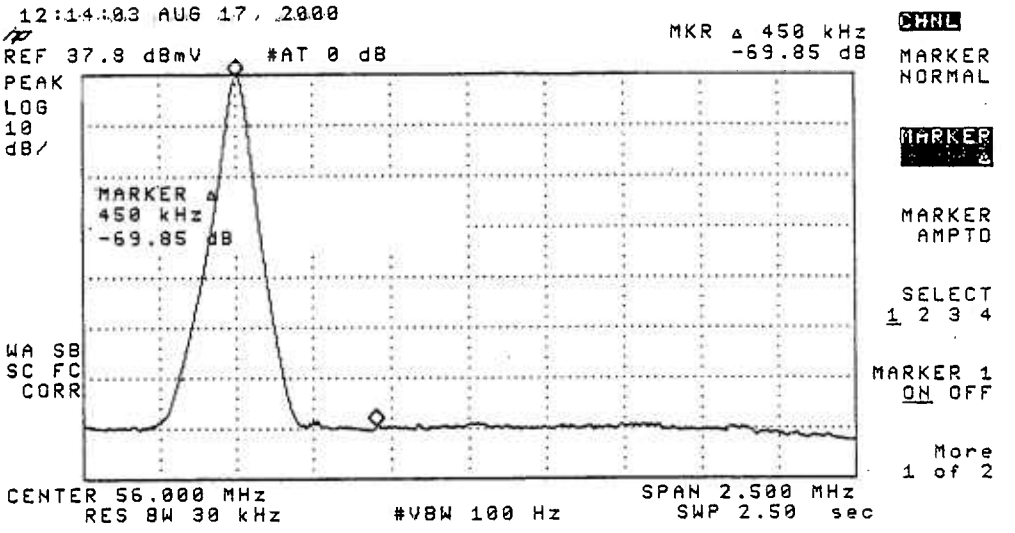

11:53:59 AUG 17, 2000
CHANNEL (STD)
REF -4.1 dBmV
#AT 0 dB
MKR 280.905 MHz
-14.59 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.7 dB
MAIN
MENU
CENTER 279.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

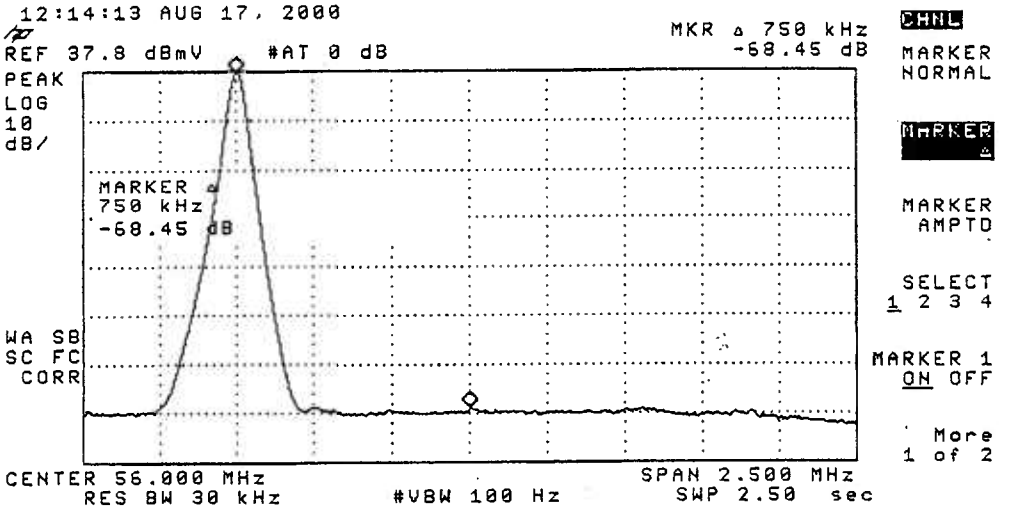

11:54:48 AUG 17, 2000
CHANNEL (STD)
REF -3.8 dBmV
#AT 0 dB
MKR 313.830 MHz
-14.45 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
CENTER 315.030 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

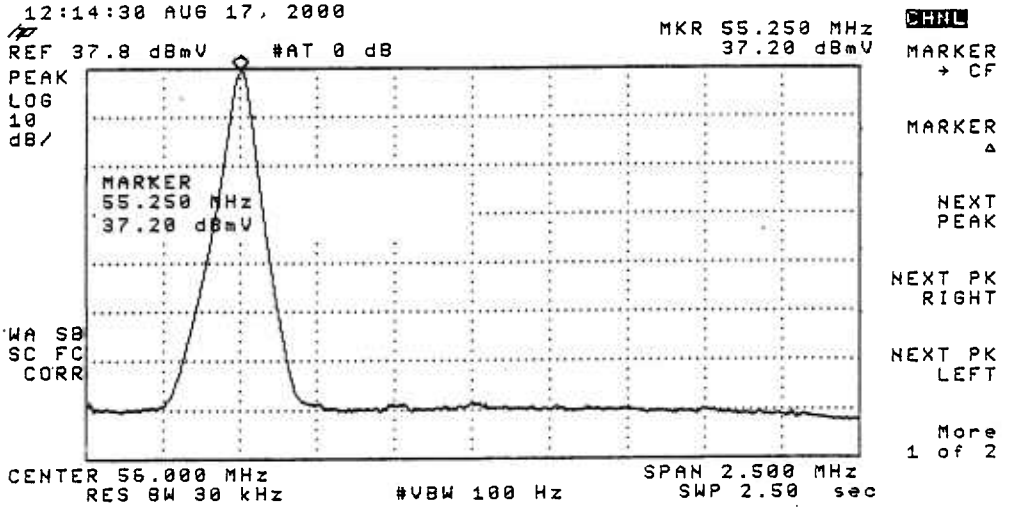

11:55:29 AUG 17, 2000
CHANNEL (STD)
REF -4.4 dBmV
#AT 0 dB
MKR 366.810 MHz
-14.43 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
CENTER 369.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

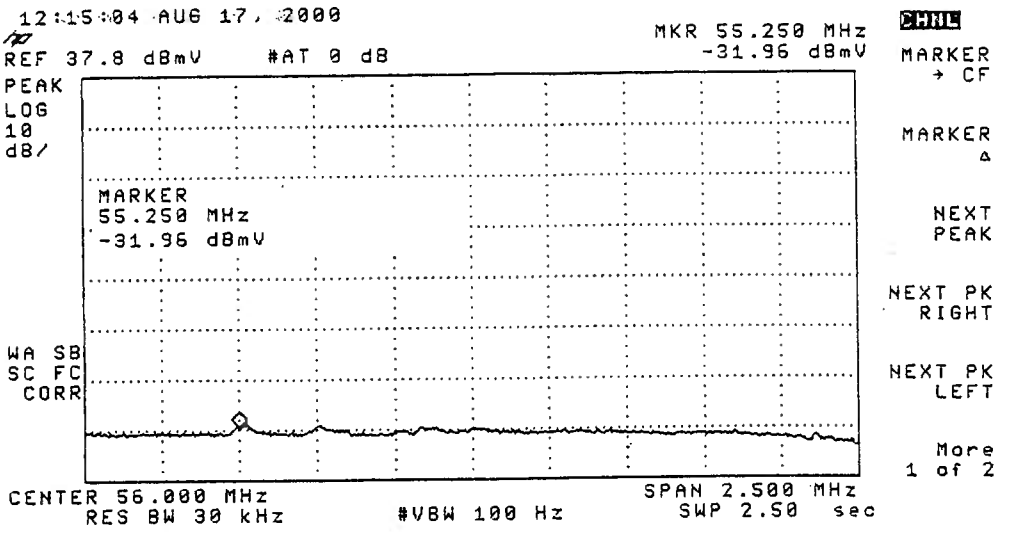

11:56:13 AUG 17, 2000
CHANNEL 2 (STD)
REF -5.8 dBmV
#AT 0 dB
MKR 405.915 MHz
-14.81 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.3 dB
MAIN
MENU
CENTER 405.030 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


11:56:52 AUG 17, 2000
CHANNEL 2 (STD)
REF -9.0 dBmV
#AT 0 dB
MKR 468.840 MHz
-17.97 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
CENTER 471.090 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


12:14:03 AUG 17, 2000
REF 37.8 dBmV
#AT 0 dB
MKR Δ 450 kHz
-69.85 dB
PEAK
LOG
10
dB/
MARKER Δ
450 kHz
-69.85 dB
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec
CHNL
MARKER
NORMAL
MARKER Δ
MARKER
AMPTD
SELECT
1 2 3 4
MARKER 1
ON OFF
More
1 of 2


12:14:13 AUG 17, 2000
REF 37.8 dBmV
#AT 0 dB
MKR Δ 750 kHz
-68.45 dB
PEAK
LOG
10
dB/
MARKER Δ
750 kHz
-68.45 dB
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec
CHNL
MARKER
NORMAL
MARKER Δ
MARKER
AMPTD
SELECT
1 2 3 4
MARKER 1
ON OFF
More
1 of 2


12:14:30 AUG 17, 2000
REF 37.8 dBmV
#AT 0 dB
MKR 55.250 MHz
37.20 dBmV
PEAK
LOG
10
dB/
MARKER
55.250 MHz
37.20 dBmV
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec
CHNL
MARKER
→ CF
MARKER Δ
NEXT
PEAK
NEXT PK
RIGHT
NEXT PK
LEFT
More
1 of 2


12:15:04 AUG 17, 2000
REF 37.8 dBmV
#AT 0 dB
MKR 55.250 MHz
-31.96 dBmV
CHNL
MARKER
→ CF
MARKER
Δ
NEXT
PEAK
NEXT PK
RIGHT
NEXT PK
LEFT
More
1 of 2
PEAK
LOG
10
dB/
MARKER
55.250 MHz
-31.96 dBmV
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec

Visual Carrier Level Variation Test 76.605 (a) 4

System Name: Time Warner-Syracuse

Test Point Location: Patricia Dr.

Date: Aug 24-25, 2000 Performed by: R. Wentworth & P. Loran

Meter Serial Number: 9210392

Chan	Freq. (MHz)	Temp °F				Max Variation	Chan	Freq. (MHz)	Temp °F				Max Variation
		77	74	69	68				77	74	69	68	
		Time							Time				
		10:51	16:48	22:17	04:16				10:51	16:48	22:17	04:16	
		Visual Level (dbmv)							Visual Level (dbmv)				
2	55.2500	9.6	9.3	10.1	10.4	1.1	AA	301.2625	10.1	10.1	10.7	10.9	0.8
3	61.2500	11.1	11.1	11.5	11.6	0.5	BB	307.2625	10.1	9.8	10.4	10.7	0.9
4	67.2500	10.7	10.4	10.9	11.3	0.9	CC	313.2625	9.9	9.4	9.9	10.4	1.0
5	77.2500	10.1	10.0	10.6	10.9	0.9	DD	319.2625	9.6	9.3	9.7	10.1	0.8
6	83.2500	10.4	10.7	11.2	11.4	1.0	EE	325.2625	10.1	10.0	10.4	10.6	0.6
							FF	331.2750	10.5	10.3	11.1	11.1	0.8
							GG	337.2625	10.8	10.8	11.2	11.5	0.7
A-5	91.2500						HH	343.2625	9.8	9.9	10.4	10.7	0.9
A-4	97.2500						II	349.2625	10.8	10.6	11.1	11.6	1.0
A-3	103.2500						JJ	355.2625	10.3	10.1	10.9	11.0	0.9
A-2	109.2750	9.8	10.0	10.1	10.2	0.4	KK	361.2625	10.7	10.6	11.1	11.5	0.9
A-1	115.2750	9.9	9.6	10.2	10.4	0.8	LL	367.2625	10.5	10.4	10.9	11.8	1.4
A	121.2625	9.3	9.1	9.5	9.9	0.8	MM	373.2625	11.7	11.4	12.1	12.4	1.0
B	127.2625	10.5	10.5	10.8	10.9	0.4	NN	379.2625	11.6	11.4	12.1	12.4	1.0
C	133.2625	10.1	10.0	10.6	10.8	0.8	OO	385.2625	11.6	11.4	12.2	12.5	1.1
D	139.2500	10.1	10.0	10.5	10.8	0.8	PP	391.2625	11.0	10.7	11.5	11.8	1.1
E	145.2500	10.4	10.2	10.3	11.0	0.8	QQ	397.2625	10.7	10.4	11.2	11.7	1.3
F	151.2500	10.5	11.3	11.8	12.3	1.8	RR	403.2500	9.6	9.4	9.9	11.3	1.9
G	157.2500	12.2	11.8	12.4	12.2	0.6	SS	409.2500	10.0	9.9	9.4	11.0	1.6
H	163.2500	11.2	11.4	12.0	12.2	1.0	TT	415.2500	9.4	8.3	9.8	10.3	2.0
I	169.2500	11.2	11.1	11.4	11.7	0.6	UU	421.2500	9.7	9.5	10.5	10.7	1.2
7	175.2500	10.8	10.8	11.2	11.4	0.6	VV	427.2500	9.6	9.3	10.1	10.2	0.9
8	181.2500	9.6	9.6	10.0	10.2	0.6	WW	433.2500	8.9	9.0	9.9	10.0	1.1
9	187.2500	10.9	10.6	11.3	11.5	0.9	XX	439.2500	9.3	9.2	9.9	10.2	1.0
10	193.2500	11.5	11.3	11.9	11.9	0.6	YY	445.2500	9.2	9.1	9.9	10.4	1.3
11	199.2500	11.3	10.9	11.7	12.0	1.1	ZZ	451.2500	9.0	7.7	7.5	9.1	1.6
12	205.2500	11.1	10.8	11.4	11.8	1.0	63	457.2500	8.0	7.6	8.1	9.1	1.5
13	211.2500	10.5	10.6	11.2	11.5	1.0	64	463.2500	8.0	7.7	7.9	8.7	1.0
J	217.2500	10.7	10.4	11.1	11.4	1.0	65	469.2500	7.7	7.7	8.3	9.0	1.3
K	223.2500	10.4	11.0	10.8	11.2	0.8	66	475.2500	7.8	7.8	8.6	9.4	1.6
L	229.2625	9.9	10.2	10.9	11.0	1.1	67	481.2500	8.6	8.4	9.3	9.4	1.0
M	235.2625	9.6	10.1	10.3	10.8	1.2	68	487.2500	8.5	7.5	9.2	9.0	1.7
N	241.2625	9.7	9.6	9.4	9.9	0.5	69	493.2500	8.4	7.6	8.9	9.2	1.6
O	247.2625	9.7	9.5	9.6	9.5	0.2	70	499.2500	7.9	8.2	8.6	9.3	1.4
P	253.2625	9.7	9.5	9.7	10.1	0.6	71	505.2500	8.0	7.3	8.0	9.1	1.8
Q	259.2625	9.5	9.4	9.4	10.1	0.7	72	511.2500	7.9	7.8	8.5	8.6	0.8
R	265.2625	9.9	9.6	10.3	10.3	0.7	73	517.2500	7.5	7.1	8.3	8.5	1.4
S	271.2625	9.9	9.7	10.2	10.4	0.7	74	523.2500	8.0	8.0	8.7	9.3	1.3
T	277.2625	9.7	9.6	9.9	10.5	0.9	75	529.2500	8.4	8.1	9.3	9.6	1.5
U	283.2625	9.7	9.4	10.0	10.2	0.8	76	535.2500	8.5	7.8	9.0	9.6	1.8
V	289.2625	9.5	9.4	9.9	10.3	0.9	77	541.2500	8.6	8.9	9.7	10.2	1.6
W	295.2625	9.9	9.7	10.5	10.7	1.0	78	547.2500	10.6	10.2	11.2	11.7	1.5

Max NonAdjacent Channel Level Diff.	4.9
Max Adjacent Channel Level Diff.	2.4

Max Variance from last proof-of-performance test	7.7
Date of last proof-of-performance test	Feb 2000

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

TIME WARNER CABLE
SYRACUSE DIVISION

Proof-of-Performance Tests

System Name: Time Warner-Oswego

System Test Point # 14

Location: Route 104 East

Community: Scriba

Pole Number: 259

D.T. Value: 14

Map Number: 275-5794

OR Number: 237

Trunk Cascade: 1 LE Cascade: 2

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

System Name: Time Warner - Syracuse

Test Location: Route 104 East

Date: 15-Aug-00

Time: 08:50 AM

Chan	Freq. (MHz.)	Visual Level (dbmv.)	Aural Level (dbmv.)	Scrat "S"	Diff. (Dbmv.)	Chan	Freq. (MHz.)	Visual Level (dbmv.)	Aural Level (dbmv.)	Scrat "S"	Diff. (Dbmv.)
2	55.2500	12.4	-0.8		13.2	AA	289.2625	11.0	-2.9		13.9
3	61.2500	13.3	0.0		13.3	BB	307.2625	10.7	-4.0		14.7
4	67.2500	13.4	-1.4		14.8	CC	313.2625	10.4	-3.2		13.6
5	77.2500	12.7	-0.8		13.5	DD	319.2625	10.6	-2.9		13.5
6	83.2500	12.6	-0.2		12.8	EE	325.2625	10.8	-2.9		13.7
						FF	331.2750	10.9	-3.2		14.1
						GG	337.2625	10.5	-3.2		13.7
A-5	91.2500					HH	343.2625	10.0	-3.2		13.2
A-4	97.2500					II	349.2625	10.1	-3.1		13.2
A-3	103.2500					JJ	355.2625	10.6	-3.8		14.4
A-2	109.2750					KK	361.2625	10.2	-4.3		14.5
A-1	115.2750	11.5	-4.5	S	16.0	LL	367.2625	9.8	-3.7		13.5
A	121.2625	12.0	-1.7		13.7	MM	373.2625	9.8	-4.4		14.2
B	127.2625	12.2	-2.2		14.4	NN	379.2625	8.3	-5.8		14.1
C	133.2625	10.4	-2.4		12.8	OO	385.2625	8.6	-4.5		13.1
D	139.2500	11.0	-2.1		13.1	PP	391.2625	8.8	-5.4		14.2
E	145.2500	11.0	-2.6		13.6	QQ	397.2625	8.6	-4.5		13.1
F	151.2500	11.9	-3.6		15.5	RR	403.2500	8.0	-6.1		14.1
G	157.2500	10.3	-2.2		12.5	SS	409.2500	7.1	-6.7		13.8
H	163.2500	11.4	-2.5		13.9	TT	415.2500	7.4	-7.8		15.2
I	169.2500	11.1	-2.5		13.6	UU	421.2500	6.1	-7.3		13.4
7	175.2500	11.5	-2.4		13.9	VV	427.2500	7.2	-7.2		14.4
8	181.2500	12.0	-2.1		14.1	WW	433.2500	7.0	-6.3		13.3
9	187.2500	11.7	-1.9		13.6	XX	439.2500	7.2	-6.8		14.0
10	193.2500	11.6	-2.1		13.7	YY	445.2500	7.3	-5.9		13.2
11	199.2500	11.5	-2.7		14.2	ZZ	451.2500	7.5	-7.5	S	15.0
12	205.2500	10.9	-3.2		14.1	63	457.2500	6.4	-9.3	S	15.7
13	211.2500	10.7	-2.8		13.5	64	463.2500	7.3	-7.5	S	14.8
J	217.2500	11.2	-3.6		14.8	65	469.2500	8.4	-6.5	S	14.9
K	223.2500	9.9	-4.4		14.3	66	475.2500	6.8	-7.5	S	14.3
L	229.2625	10.2	-3.1		13.3	67	481.2500	8.2	-7.5	S	15.7
M	235.2625	10.7	-2.9		13.6	68	487.2500	8.4	-6.5	S	14.9
N	241.2625	10.7	-3.6		14.3	69	493.2500	8.0	-6.6	S	14.6
O	247.2625	9.9	-3.4		13.3	70	499.2500	7.6	-5.7		13.3
P	253.2625	10.8	-2.5		13.3	71	505.2500	7.2	-6.5	S	13.7
Q	259.2625	11.4	-2.7		14.1	72	511.2500	7.4	-6.6	S	14.0
R	265.2625	11.6	-2.7		14.3	73	517.2500	7.3	-6.7	S	14.0
S	271.2625	11.2	-1.9		13.1	74	523.2500	7.4	-6.6	S	14.0
T	277.2625	11.6	-1.8		13.4	75	529.2500	7.6	-6.5	S	14.1
U	283.2625	12.1	-2.1		14.2	76	535.2500	8.2	-7.2	S	15.4
V	289.2625	10.9	-2.8		13.7	77	541.2500	7.2	-6.0		13.2
W	283.2625	11.2	-2.4		13.6	78	547.2500	7.7	-6.5	S	14.2

PEAK TO VALLEY: 7.3

IN CHANNEL RESPONSE Test

CARRIER - TO - NOISE Test

COHERENT DISTURBANCES Test

LOW FREQUENCY DISTURBANCES Test

System Name: Time Warner-Syracuse **Date:** August 2000

Test Performed By: Patrick Thrall

Location: Route 104 East

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

Channel Number	In Channel Response	Carrier To Noise Ratio	Distortions (-dBc)			Hum
	(+/- dB)	(dB)	CTB	CSO	XMOD	(%)
2	0.6	50	62	70.4	70.1	0.6
A	1	49.1	60.4	69.1		
H	0.6	49.2	60.2	67.8		
8	1	49.2	59.6	68.7		
T	1.3	49	59.1	62.5		
CC	0.9	48.5	57.9	61.3		
LL	0.7	47.9	57.8	61		
RR	0.5	47.6	57.1	63.2		
OOO	0.9	47.7	57	61.6		

Time Warner Cable
Syracuse Division

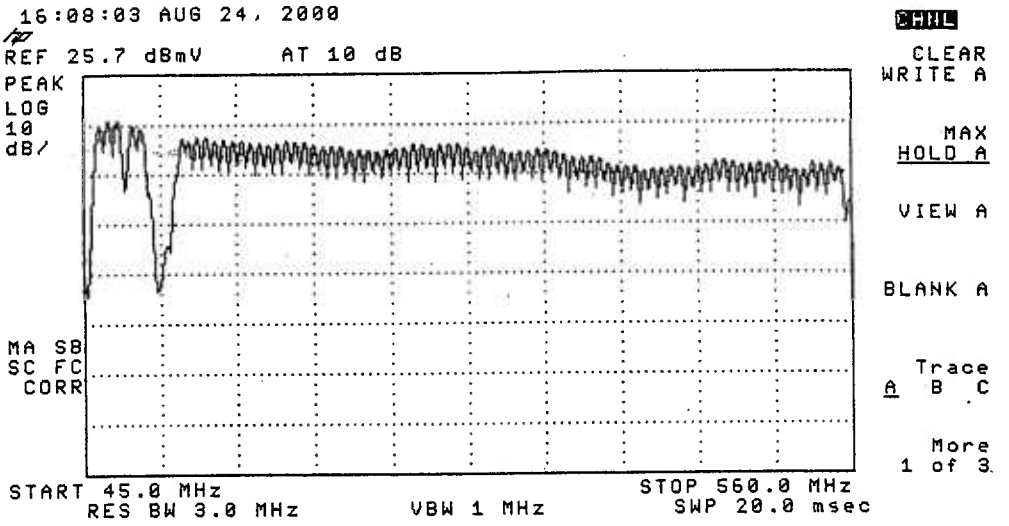
IN - CHANNEL FREQUENCY RESPONSE TEST

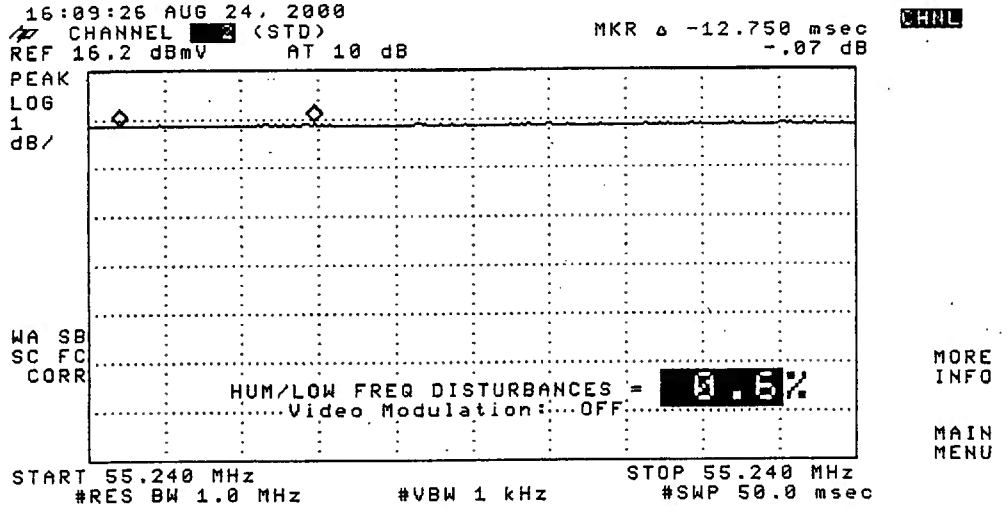
(76.605 (a) 6)

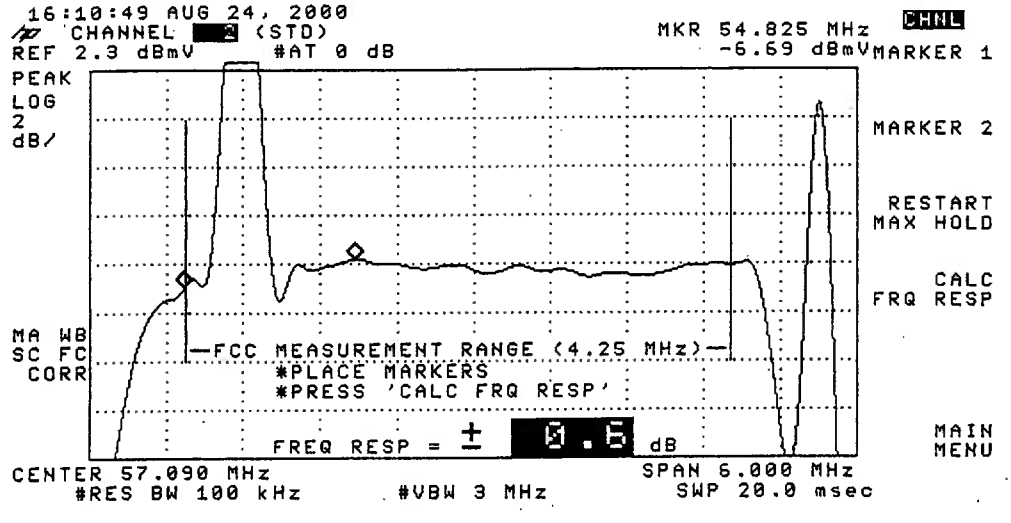
System Name: Time Warner-Syracuse Date: August 2000

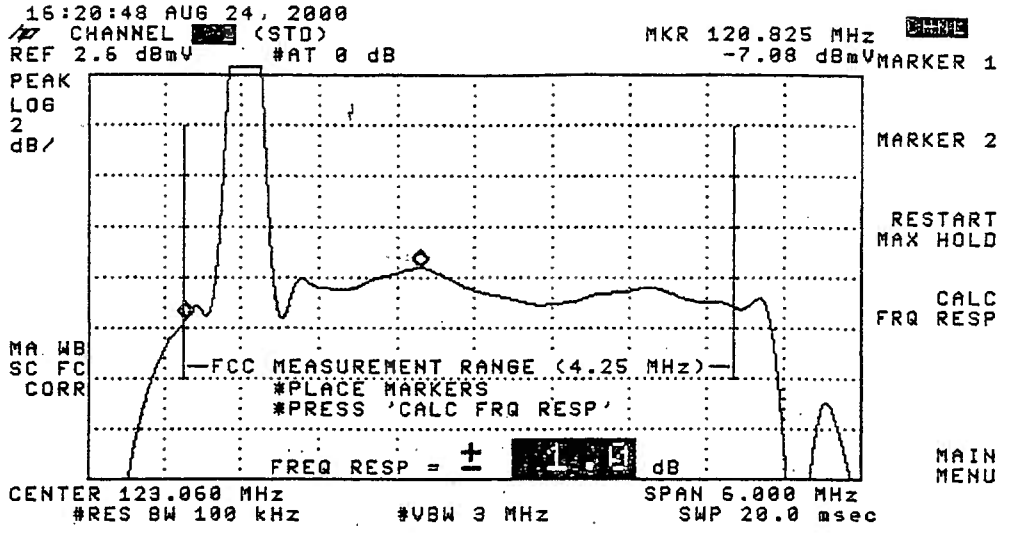
Test Performed By Pat Thrall Location: Route 104 East

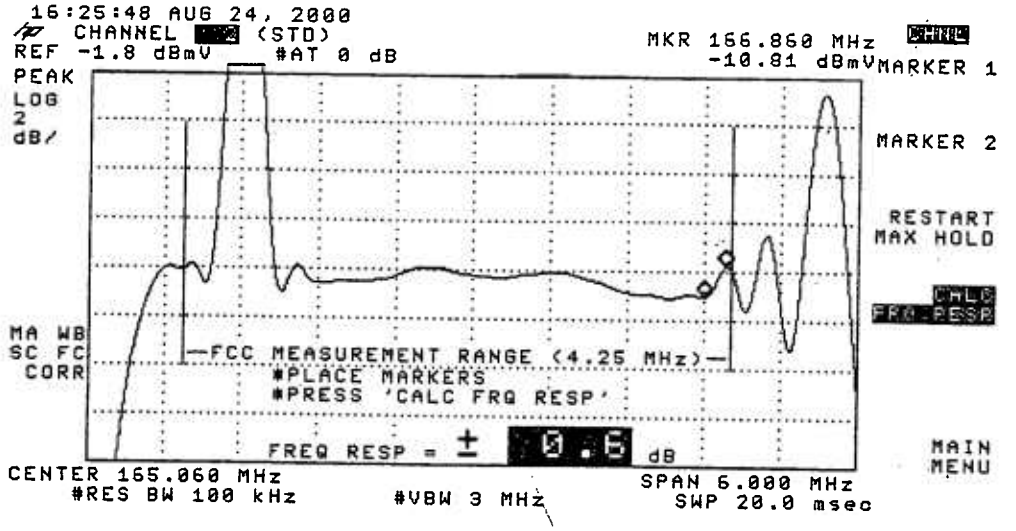
(SEE THE ATTATCHED SWEEP TRACES)

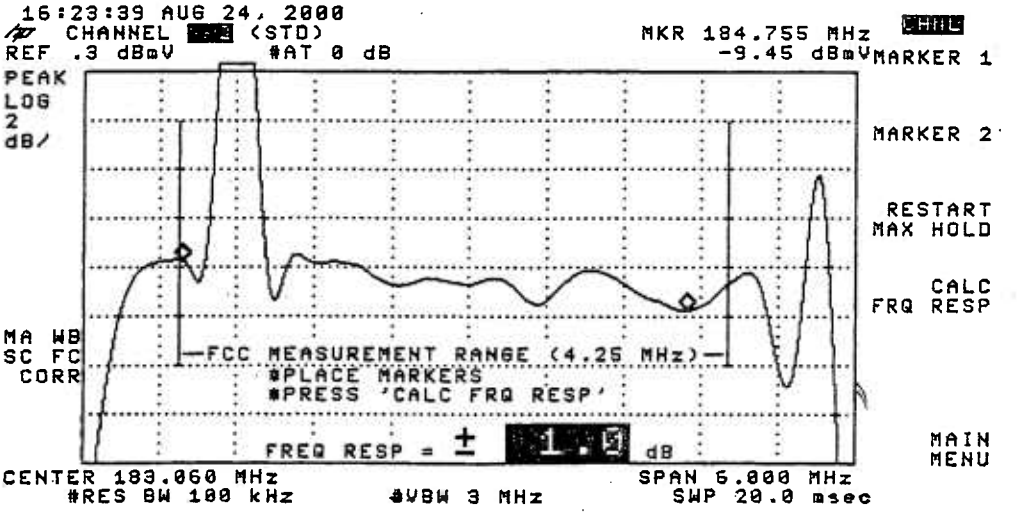

16:08:03 AUG 24, 2000
REF 25.7 dBmV
AT 10 dB
PEAK
LOG
10
dB/
MA SB
SC FC
CORR
START 45.0 MHz
RES BW 3.0 MHz
VBW 1 MHz
STOP 560.0 MHz
SWP 20.0 msec
CHNL
CLEAR
WRITE A
MAX
HOLD A
VIEW A
BLANK A
Trace
A B C
More
1 of 3

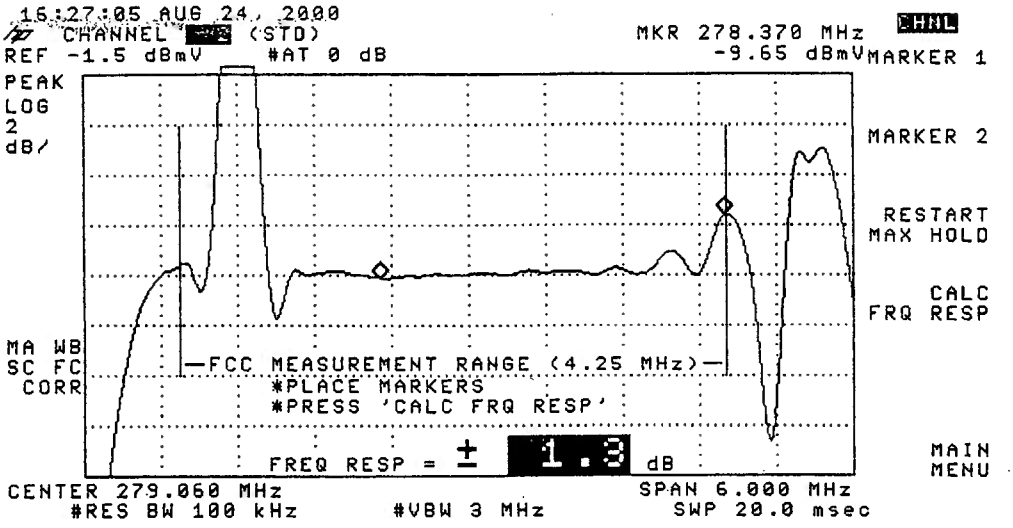

16:09:26 AUG 24, 2000
CHANNEL 2 (STD)
REF 16.2 dBmV
AT 10 dB
MKR Δ -12.750 msec
-.07 dB
PEAK
LOG
1
dB/
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = 0.6%
Video Modulation: OFF
START 55.240 MHz
#RES BW 1.0 MHz
#VBW 1 kHz
STOP 55.240 MHz
#SWP 50.0 msec
CHNL
MORE
INFO
MAIN
MENU

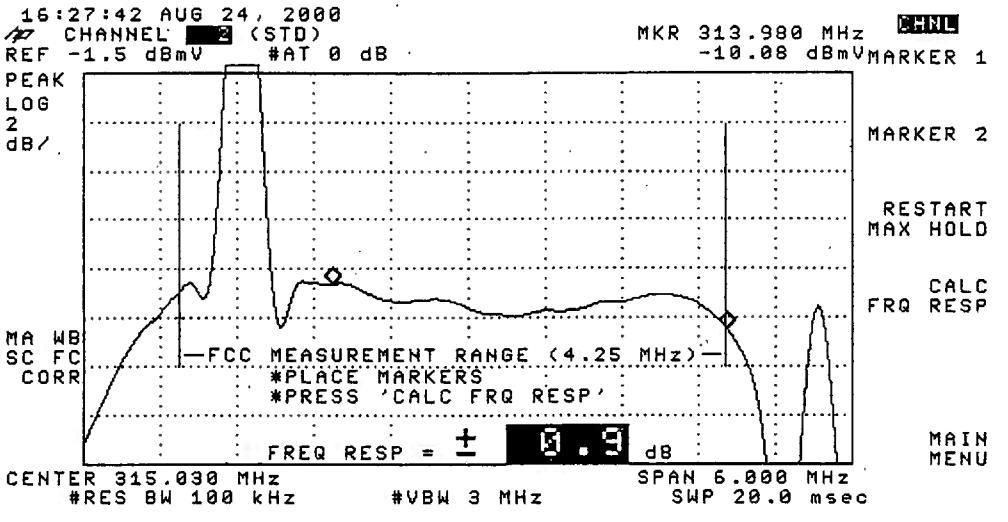

16:10:49 AUG 24, 2000
CHANNEL 2 (STD)
REF 2.3 dBmV
#AT 0 dB
MKR 54.825 MHz
-6.69 dBmV
PEAK
LOG
2
dB/
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
CENTER 57.090 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec
CHNL
MARKER 1
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MAIN
MENU

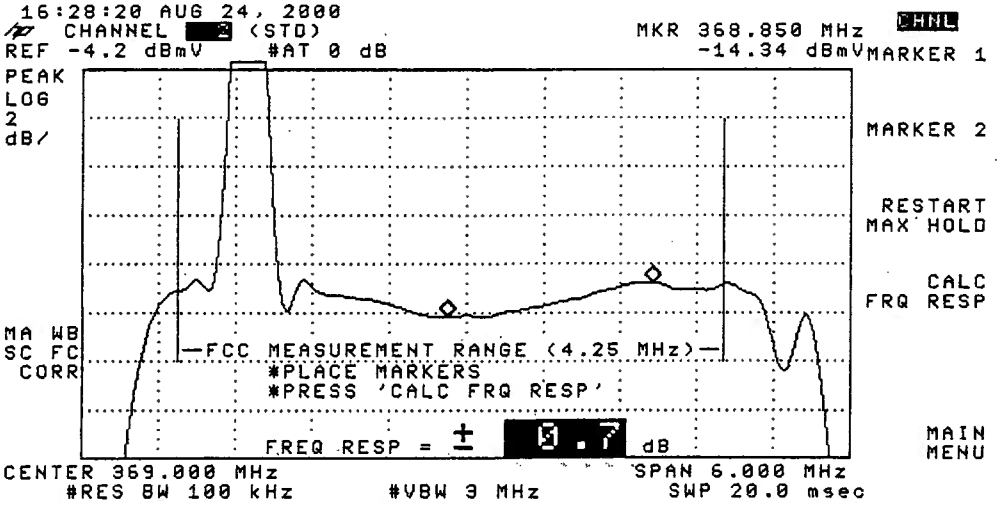

16:20:48 AUG 24, 2000
CHANNEL (STD)
REF 2.6 dBmV
#AT 0 dB
MKR 120.825 MHz
-7.08 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 1.0 dB
MAIN
MENU
CENTER 123.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

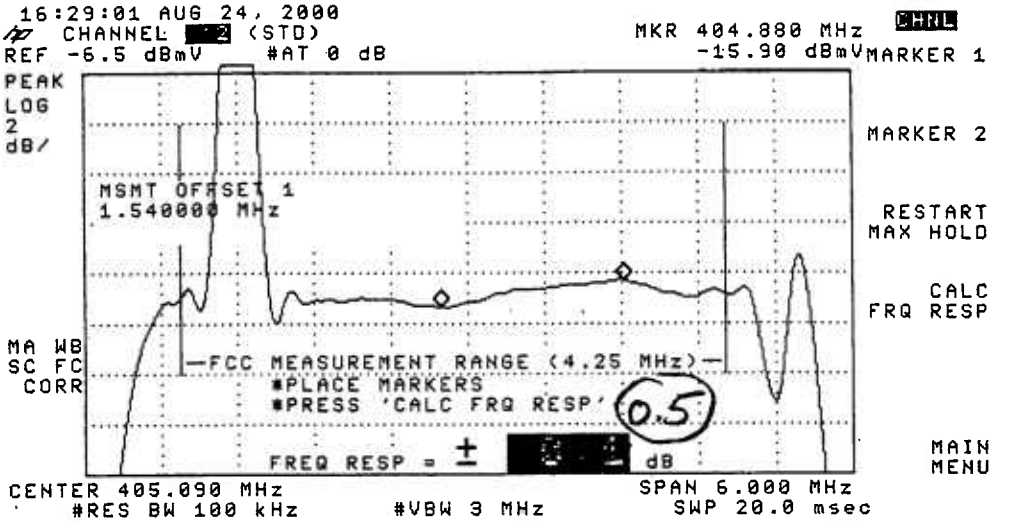

16:25:48 AUG 24, 2000
CHANNEL (STD)
REF -1.8 dBmV
#AT 0 dB
MKR 166.860 MHz
-10.81 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.6 dB
MAIN
MENU
CENTER 165.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

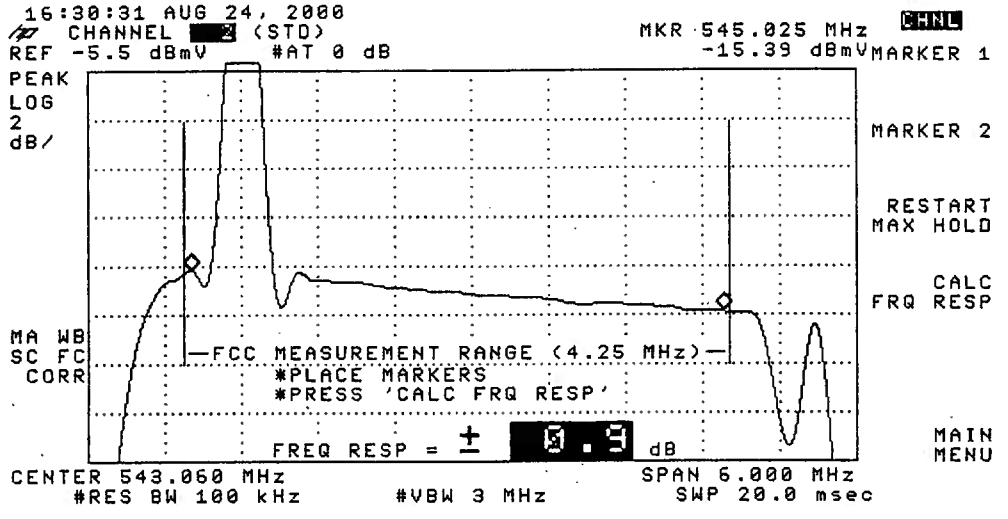

16:23:39 AUG 24, 2000
CHANNEL (STD)
REF .3 dBmV
#AT 0 dB
MKR 184.755 MHz
-9.45 dBmV
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 1.0 dB
MAIN
MENU
CENTER 183.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

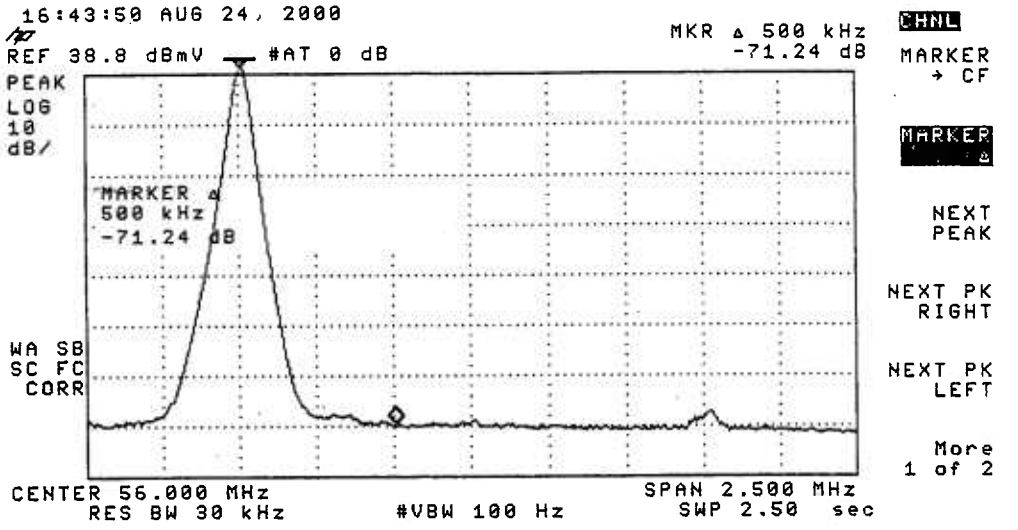

16:27:05 AUG 24, 2000
CHANNEL 2 (STD)
REF -1.5 dBmV
#AT 0 dB
MKR 278.370 MHz
-9.65 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 1.3 dB
MAIN
MENU
CENTER 279.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

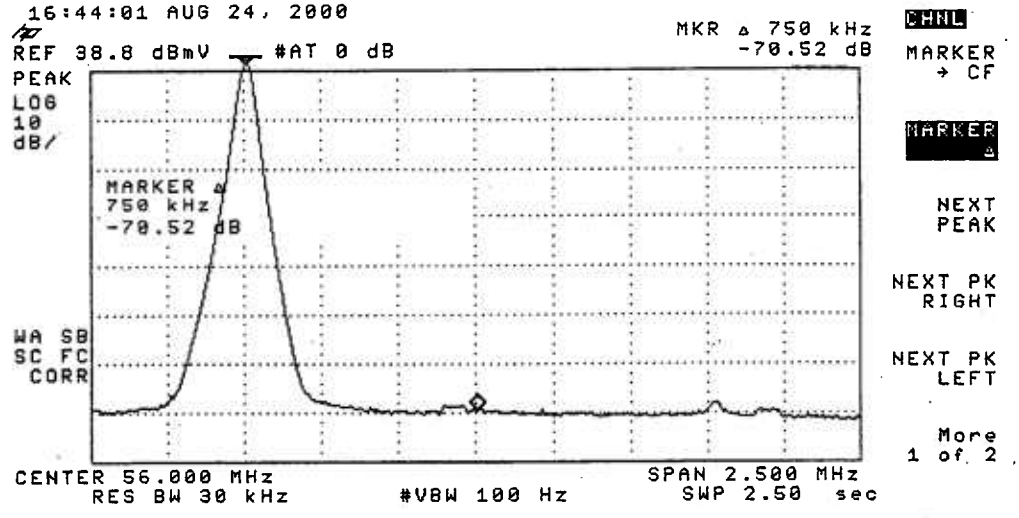

16:27:42 AUG 24, 2000
CHANNEL 2 (STD)
REF -1.5 dBmV
#AT 0 dB
MKR 313.980 MHz
-10.08 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.9 dB
MAIN
MENU
CENTER 315.030 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

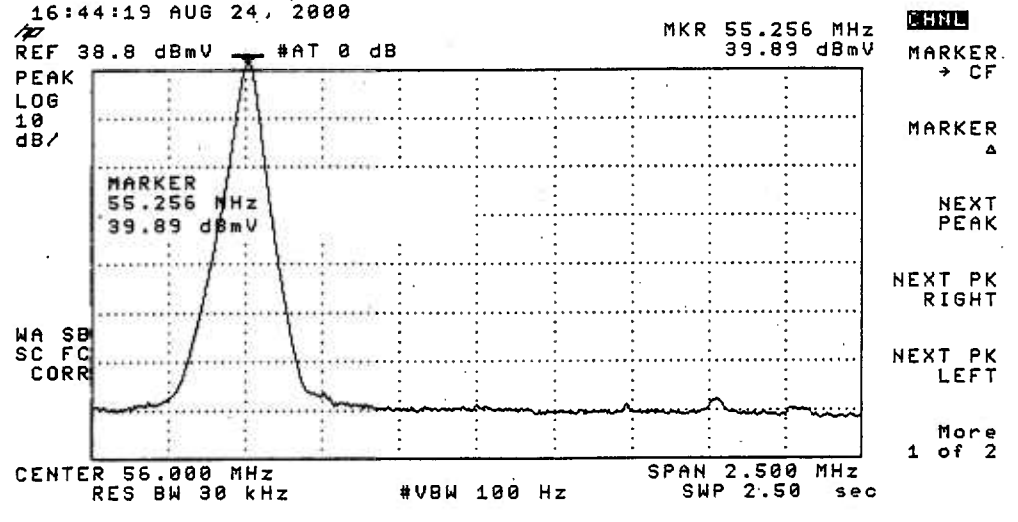

16:28:20 AUG 24, 2000
CHANNEL 2 (STD)
REF -4.2 dBmV
#AT 0 dB
MKR 368.850 MHz
-14.34 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.7 dB
MAIN
MENU
CENTER 369.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

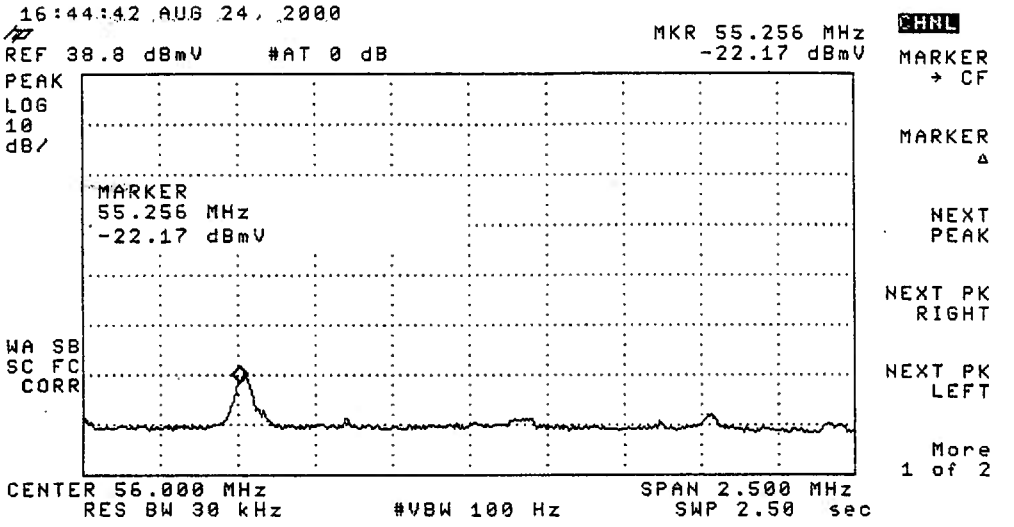

16:29:01 AUG 24, 2000
CHANNEL 2 (STD)
REF -6.5 dBmV
#AT 0 dB
MKR 404.880 MHz
-15.90 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
MSMT OFFSET 1
1.540000 MHz
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
0.5
FREQ RESP = ± 0.1 dB
MAIN
MENU
CENTER 405.090 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


16:30:31 AUG 24, 2000
CHANNEL 2 (STD)
REF -5.5 dBmV
#AT 0 dB
MKR 545.025 MHz
-15.39 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 = ± 0.9 dB
MAIN
MENU
CENTER 543.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


16:43:50 AUG 24, 2000
REF 38.8 dBmV
#AT 0 dB
MKR Δ 500 kHz
-71.24 dB
PEAK
LOG
10
dB/
MARKER Δ
500 kHz
-71.24 dB
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec
CHNL
MARKER → CF
MARKER Δ
NEXT PEAK
NEXT PK RIGHT
NEXT PK LEFT
More 1 of 2


16:44:01 AUG 24, 2000
REF 38.8 dBmV
#AT 0 dB
MKR Δ 750 kHz
-70.52 dB
PEAK
LOG
10
dB/
MARKER Δ
750 kHz
-70.52 dB
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec
CHNL
MARKER → CF
MARKER Δ
NEXT PEAK
NEXT PK RIGHT
NEXT PK LEFT
More 1 of 2


16:44:19 AUG 24, 2000
REF 38.8 dBmV
#AT 0 dB
MKR 55.256 MHz
39.89 dBmV
PEAK
LOG
10
dB/
MARKER
55.256 MHz
39.89 dBmV
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec
CHNL
MARKER → CF
MARKER Δ
NEXT PEAK
NEXT PK RIGHT
NEXT PK LEFT
More 1 of 2


16:44:42 AUG 24, 2000
REF 38.8 dBmV
#AT 0 dB
MKR 55.256 MHz
-22.17 dBmV
CHNL
MARKER
→ CF
MARKER
Δ
NEXT
PEAK
NEXT PK
RIGHT
NEXT PK
LEFT
More
1 of 2
PEAK
LOG
10
dB/
MARKER
55.256 MHz
-22.17 dBmV
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec

***

Visual Carrier Level Variation Test 76.605 (a) 4

System Name: TIME WARNER CABLE OSWEGO (7P8)

Test Point Location: ROUTE 104 EAST

Date: 28-Aug-00 Performed by: LARRY KAYLOR

Meter Serial Number: 9401158

Chan	Freq. (MHz)	Temp °F 73 / Time 08:50	76 / 14:40	74 / 20:45	70 / 02:48	Max Variation	Chan	Freq. (MHz)	Temp °F 73 / Time 08:50	76 / 14:40	74 / 20:45	70 / 02:48	Max Variation
		Visual Level (dbmv)							Visual Level (dbmv)				
2	55.2500	12.4	16.7	16.3	16.9	4.5	AA	301.2625	11.0	11.1	11.1	11.5	0.5
3	61.2500	13.3	17.2	17.1	17.3	4.0	BB	307.2625	10.7	11.1	11.0	11.2	0.5
4	67.2500	13.4	17.6	17.2	17.5	4.2	CC	313.2625	10.4	11.0	10.8	11.1	0.7
5	77.2500	12.7	16.4	16.6	16.8	4.1	DD	319.2625	10.6	11.2	10.8	11.4	0.8
6	83.2500	12.6	15.7	15.5	15.3	3.1	EE	325.2625	10.8	11.1	10.9	11.1	0.3
							FF	331.2750	10.9	10.8	10.6	11.0	0.4
							GG	337.2625	10.5	10.7	10.5	10.8	0.3
A-5	91.2500						HH	343.2625	9.7	10.0	10.2	10.2	0.5
A-4	97.2500						II	349.2625	11.0	11.0	10.5	11.2	0.7
A-3	103.2500						JJ	355.2625	10.6	10.8	10.3	11.0	0.7
A-2	109.2750						KK	361.2625	10.2	10.6	10.4	10.6	0.4
A-1	115.2750	11.5	13.4	13.3	13.5	2.0	LL	367.2625	9.8	10.4	9.7	10.2	0.7
A	121.2625	12.0	13.6	13.5	13.6	1.6	MM	373.2625	9.8	9.7	9.3	9.7	0.5
B	127.2625	12.2	13.3	13.3	13.5	1.3	NN	379.2625	8.3	8.3	8.7	9.0	0.7
C	133.2625	10.4	12.4	12.4	12.4	2.0	OO	385.2625	8.6	8.6	8.6	8.9	0.3
D	139.2500	11.0	12.6	12.4	12.7	1.7	PP	391.2625	8.8	8.8	8.7	8.8	0.1
E	145.2500	11.0	12.3	12.3	12.5	1.5	QQ	397.2625	8.6	8.8	8.6	9.1	0.5
F	151.2500	11.9	12.9	12.8	12.8	1.0	RR	403.2500	8.0	8.1	7.9	8.4	0.5
G	157.2500	10.3	12.1	11.9	12.2	1.9	SS	409.2500	7.1	7.4	7.2	7.3	0.3
H	163.2500	11.4	12.4	12.2	12.2	1.0	TT	415.2500	7.4	7.2	7.1	7.3	0.3
I	169.2500	11.1	12.0	12.1	12.2	1.1	UU	421.2500	6.1	6.4	6.3	6.7	0.6
7	175.2500	11.5	12.5	12.2	12.2	1.0	VV	427.2500	7.2	7.1	7.1	7.3	0.2
8	181.2500	12.0	12.8	12.6	12.9	0.9	WW	433.2500	7.0	7.2	7.0	7.3	0.3
9	187.2500	11.7	12.5	12.6	12.8	1.1	XX	439.2500	7.2	7.0	7.1	7.7	0.7
10	193.2500	11.6	12.4	12.5	12.6	1.0	YY	445.2500	7.3	7.4	7.1	7.2	0.3
11	199.2500	11.5	12.2	12.1	12.2	0.7	ZZ	451.2500	7.5	6.8	7.1	7.7	0.9
12	205.2500	10.9	11.3	11.5	11.2	0.6	63	457.2500	6.4	7.6	7.4	7.9	1.5
13	211.2500	10.7	11.7	11.4	11.6	1.0	64	463.2500	7.3	7.7	7.3	7.9	0.6
J	217.2500	11.2	11.2	11.2	11.4	0.2	65	469.2500	8.4	7.8	7.7	8.7	1.0
K	223.2500	9.9	10.6	10.4	10.6	0.7	66	475.2500	6.8	6.6	7.0	7.6	1.0
L	229.2625	10.2	10.9	10.6	10.9	0.7	67	481.2500	8.2	7.5	7.6	8.2	0.7
M	235.2625	10.7	11.0	10.8	11.2	0.5	68	487.2500	8.4	8.3	7.7	8.1	0.7
N	241.2625	10.7	10.9	10.7	10.8	0.2	69	493.2500	8.0	8.1	7.1	8.0	1.0
O	247.2625	9.9	11.1	10.9	11.0	1.2	70	499.2500	7.6	7.7	7.4	8.0	0.6
P	253.2625	10.8	11.4	11.2	11.3	0.6	71	505.2500	7.2	6.7	6.9	7.1	0.5
Q	259.2625	11.4	11.5	11.2	11.4	0.3	72	511.2500	7.4	7.3	6.9	7.9	1.0
R	265.2625	11.6	11.9	12.0	12.0	0.4	73	517.2500	7.3	7.2	6.8	7.3	0.5
S	271.2625	11.2	11.9	11.9	11.8	0.7	74	523.2500	7.4	6.9	6.7	7.5	0.8
T	277.2625	11.6	11.7	11.6	11.8	0.2	75	529.2500	7.6	7.3	7.1	7.5	0.5
U	283.2625	12.1	12.2	12.2	12.3	0.2	76	535.2500	8.2	7.5	7.5	7.8	0.7
V	289.2625	10.9	11.3	11.2	11.4	0.5	77	541.2500	7.2	6.8	6.9	7.7	0.9
W	295.2625	11.2	11.7	11.4	11.9	0.7	78	547.2500	7.7	5.6	5.8	7.8	2.2

Max NonAdjacent Channel Level Diff.	12
Max Adjacent Channel Level Diff.	1.8

Max Variance from last proof-of-performance test	7.3
Date of last proof-of-performance test	Feb 2000

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

TIME WARNER CABLE
SYRACUSE DIVISION

Proof-of-Performance Tests

System Name: Time Warner-Oswego

System Test Point # 15

Location: FRAVOR ROAD

Community: MEXICO

Pole Number: 61

D.T. Value: 2/20

Map Number: 307-5796

OR Number: 1314

Trunk Cascade: 6 LE Cascade:

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

System Name: Time Warner Cable - Oswego

Test Location: Fravor Rd.

Date: 15-Aug-00

Time: 08:07 PM

Chan	Freq. (MHz)	Visual Level (dbmv)	Aural Level (dbmv)	Scrat "S"	Diff. (Dbmv)	Chan	Freq. (MHz)	Visual Level (dbmv)	Aural Level (dbmv)	Scra "S"	Diff. (Dbmv)
2	55.2500	7.2	-6.4		13.6	AA	289.2625	6.9	-7.1		14.0
3	61.2500	7.4	-6.2		13.6	BB	307.2625	7.0	-6.0		13.0
4	67.2500	8.2	-6.7		14.9	CC	313.2625	7.0	-7.1		14.1
5	77.2500	7.9	-6.4		14.3	DD	319.2625	7.0	-7.3		14.3
6	83.2500	7.5	-6.5		14.0	EE	325.2625	6.3	-7.8		14.1
						FF	331.2750	6.4	-8.0		14.4
						GG	337.2625	6.2	-7.3		13.5
A-5	91.2500					HH	343.2625	6.1	-7.5		13.6
A-4	97.2500					II	349.2625	6.2	-8.0		14.2
A-3	103.2500					JJ	355.2625	6.5	-7.7		14.2
A-2	109.2750					KK	361.2625	5.3	-9.0		14.3
A-1	115.2750	6.7	-9.5	S	16.2	LL	367.2625	5.3	-8.6		13.9
A	121.2625	7.4	-6.7		14.1	MM	373.2625	4.8	-8.7		13.5
B	127.2625	7.1	-7.1		14.2	NN	379.2625	4.8	-9.1		13.9
C	133.2625	6.9	-6.9		13.8	OO	385.2625	4.1	-8.7		12.8
D	139.2500	6.7	-6.7		13.4	PP	391.2625	4.0	-9.0		13.0
E	145.2500	6.2	-7.2		13.4	QQ	397.2625	4.5	-8.9		13.4
F	151.2500	7.4	-7.1		14.5	RR	403.2500	3.9	-9.5		13.4
G	157.2500	6.8	-5.6		12.4	SS	409.2500	3.1	-10.8		13.9
H	163.2500	7.7	-6.0		13.7	TT	415.2500	3.1	-10.2		13.3
I	169.2500	7.3	-5.9		13.2	UU	421.2500	3.0	-10.2		13.2
7	175.2500	8.2	-6.0		14.2	VV	427.2500	3.4	-10.4		13.8
8	181.2500	8.7	-5.6		14.3	WW	433.2500	4.0	-9.3		13.3
9	187.2500	8.1	-5.8		13.9	XX	439.2500	4.3	-9.4		13.7
10	193.2500	7.7	-6.7		14.4	YY	445.2500	3.6	-8.7		12.3
11	199.2500	7.9	-6.6		14.5	ZZ	451.2500	4.3	-10.5	S	14.8
12	205.2500	6.5	-7.8		14.3	63	457.2500	5.1	-10.5	S	15.6
13	211.2500	6.5	-7.1		13.6	64	463.2500	4.3	-10.5	S	14.8
J	217.2500	6.4	-7.4		13.8	65	469.2500	5.1	-10.5	S	15.6
K	223.2500	6.8	-6.7		13.5	66	475.2500	4.6	-10.4	S	15.0
L	229.2625	7.2	-6.4		13.6	67	481.2500	5.3	-10.3	S	15.6
M	235.2625	7.7	-5.9		13.6	68	487.2500	5.0	-10.6	S	15.6
N	241.2625	7.5	-7.0		14.5	69	493.2500	5.0	-10.5	S	15.5
O	247.2625	7.9	-5.6		13.5	70	499.2500	5.9	-8.2		14.1
P	253.2625	7.6	-6.2		13.8	71	505.2500	4.9	-10.5	S	15.4
Q	259.2625	7.7	-6.5		14.2	72	511.2500	5.6	-10.4	S	16.0
R	265.2625	8.0	-5.9		13.9	73	517.2500	4.2	-10.3	S	14.5
S	271.2625	8.1	-5.6		13.7	74	523.2500	4.4	-10.5	S	14.9
T	277.2625	7.7	-6.3		14.0	75	529.2500	4.6	-10.1	S	14.7
U	283.2625	7.6	-6.3		13.9	76	535.2500	5.1	-10.5	S	15.6
V	289.2625	7.1	-6.4		13.5	77	541.2500	4.8	-9.0		13.8
W	283.2625	7.5	-6.6		14.1	78	547.2500	6.1	-8.5	S	14.6

PEAK TO VALLEY: 5.7

IN CHANNEL RESPONSE Test

CARRIER - TO - NOISE Test

COHERENT DISTURBANCES Test

LOW FREQUENCY DISTURBANCES Test

System Name: Time Warner-Syracuse **Date:** August 2000

Test Performed By: Patrick Thrall

Location: Fravor Rd.

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

Channel Number	In Channel Response	Carrier To Noise Ratio	Distortions (-dBc)			Hum
	(+/-dB)	(dB)	CTB	CSO	XMOD	(%)
2	0.6	47.8	64	68	71	0.6
A	0.7	47.5	63.2	67.6		
H	0.5	47.7	61.1	67.8		
8	1.2	47.2	60	67		
T	1.3	47	60	66.3		
CC	1.2	47.6	59	64.7		
LL	0.5	47.6	59	61.8		
RR	0.4	47	58.4	60		
OOO	1.3	47.1	58	61		

Time Warner Cable
Syracuse Division

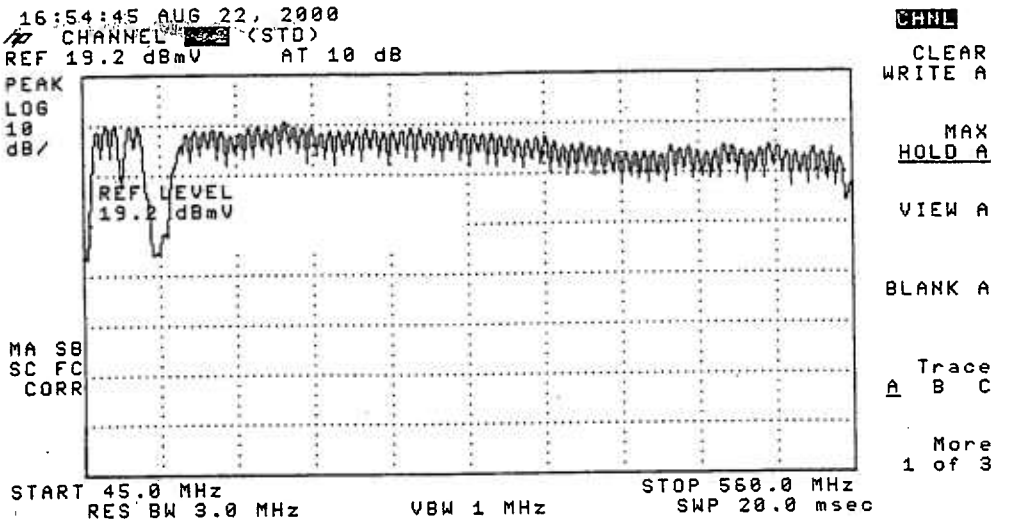
IN - CHANNEL FREQUENCY RESPONSE TEST

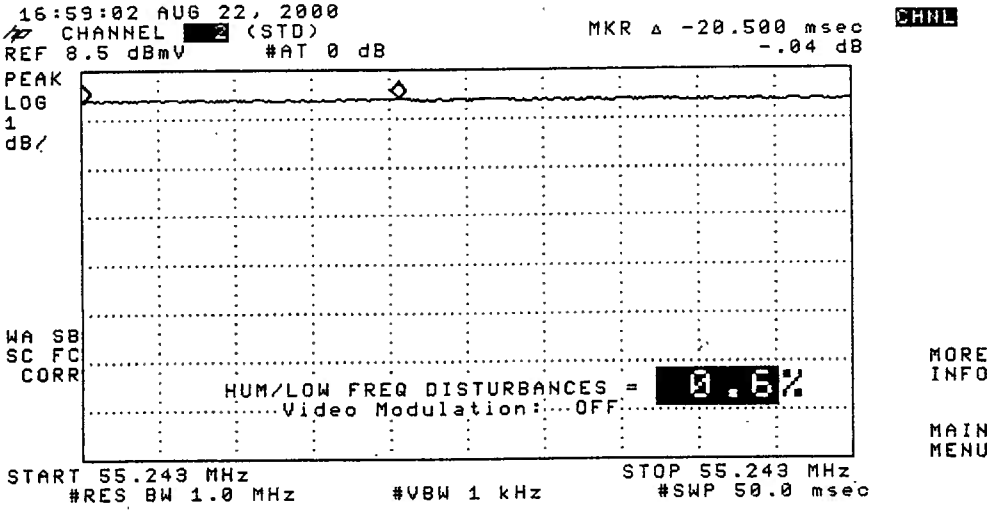
(76.605 (a) 6)

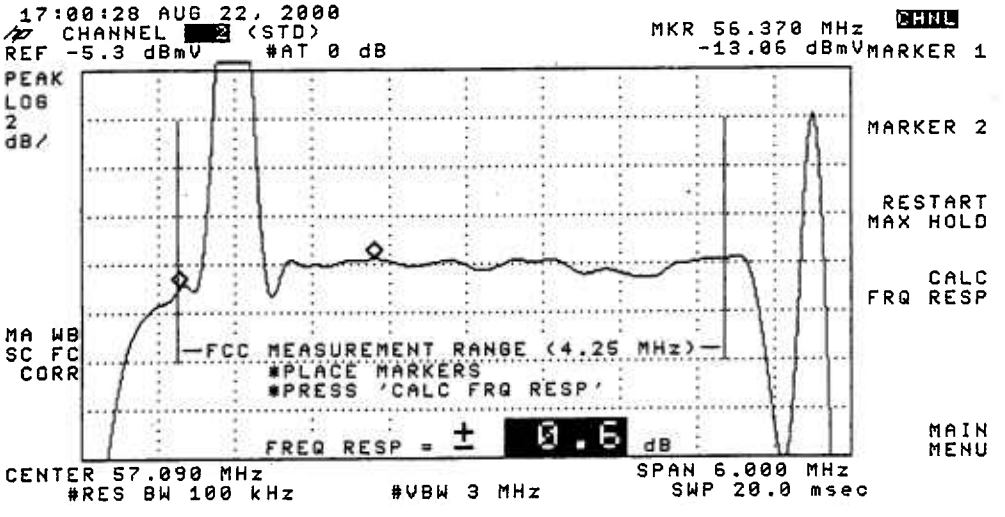
System Name: Time Warner-Syracuse Date: August 2000

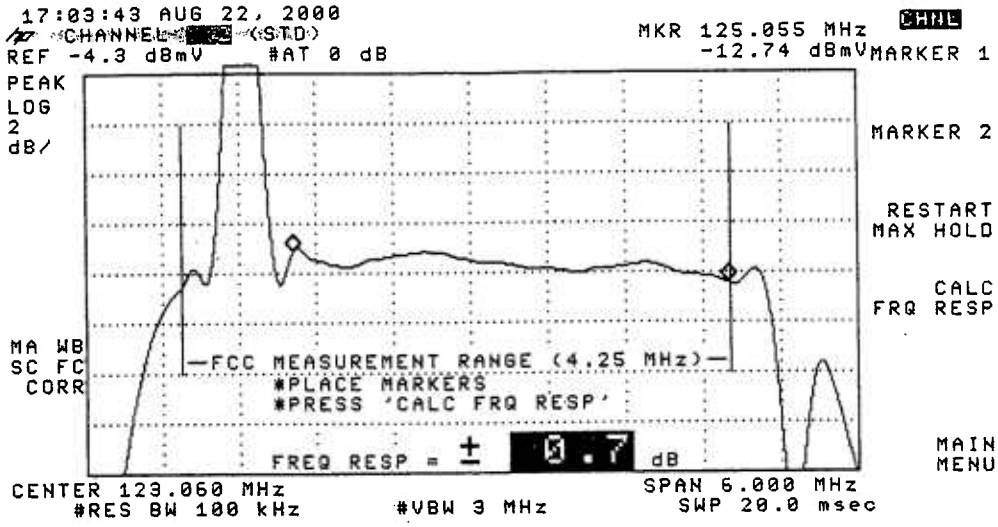
Test Performed By: Pat Thrall Location: Fravor Rd.

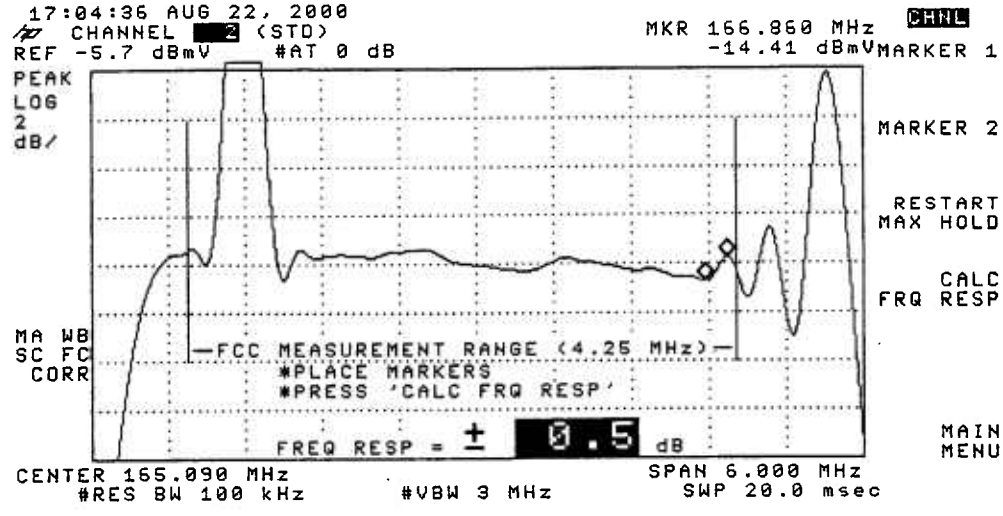
(SEE THE ATTATCHED SWEEP TRACES)

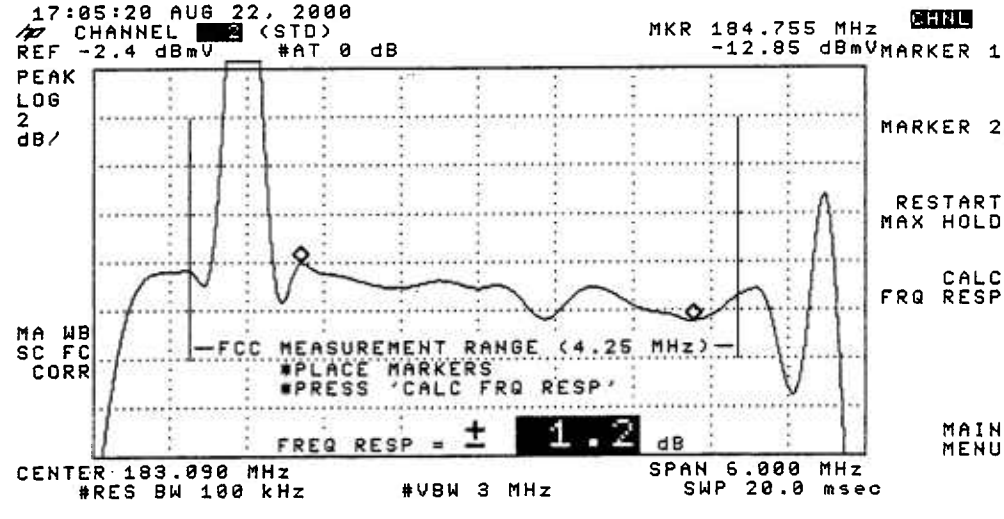

16:54:45 AUG 22, 2000
CHANNEL 2 (STD)
REF 19.2 dBmV
AT 10 dB
PEAK
LOG
10
dB/
REF LEVEL
19.2 dBmV
MA SB
SC FC
CORR
START 45.0 MHz
RES BW 3.0 MHz
VBW 1 MHz
STOP 560.0 MHz
SWP 20.0 msec
CHNL
CLEAR
WRITE A
MAX
HOLD A
VIEW A
BLANK A
Trace
A B C
More
1 of 3

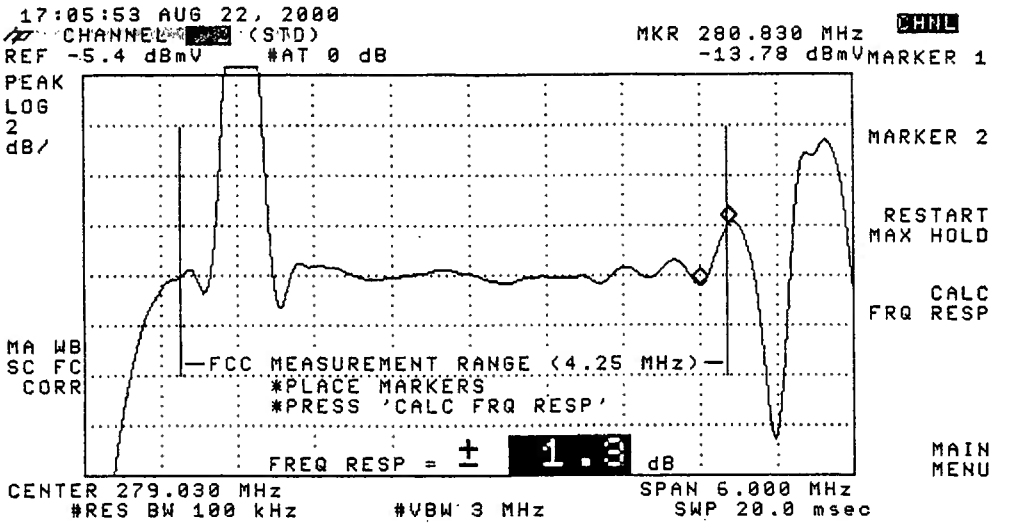

16:59:02 AUG 22, 2000
CHANNEL 2 (STD)
REF 8.5 dBmV
#AT 0 dB
MKR Δ -20.500 msec
-.04 dB
PEAK
LOG
1
dB/
WA SB
SC FC
CORR
HUM/LOW FREQ DISTURBANCES = 0.6%
Video Modulation: OFF
START 55.243 MHz
#RES BW 1.0 MHz
#VBW 1 kHz
STOP 55.243 MHz
#SWP 50.0 msec
CHNL
MORE
INFO
MAIN
MENU

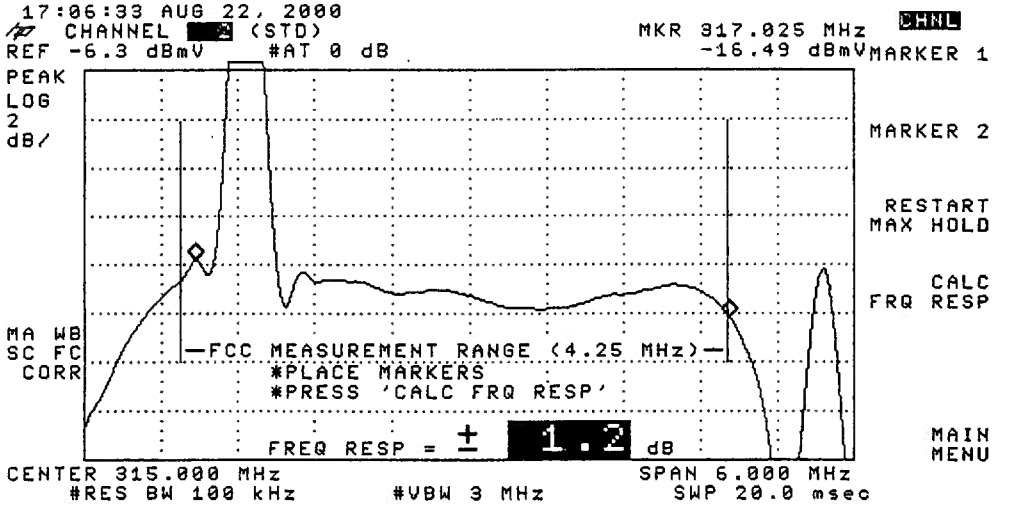

17:00:28 AUG 22, 2000
CHANNEL 2 (STD)
REF -5.3 dBmV
#AT 0 dB
MKR 56.370 MHz
-13.06 dBmV
PEAK
LOG
2
dB/
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.6 dB
CENTER 57.090 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec
CHNL
MARKER 1
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MAIN
MENU

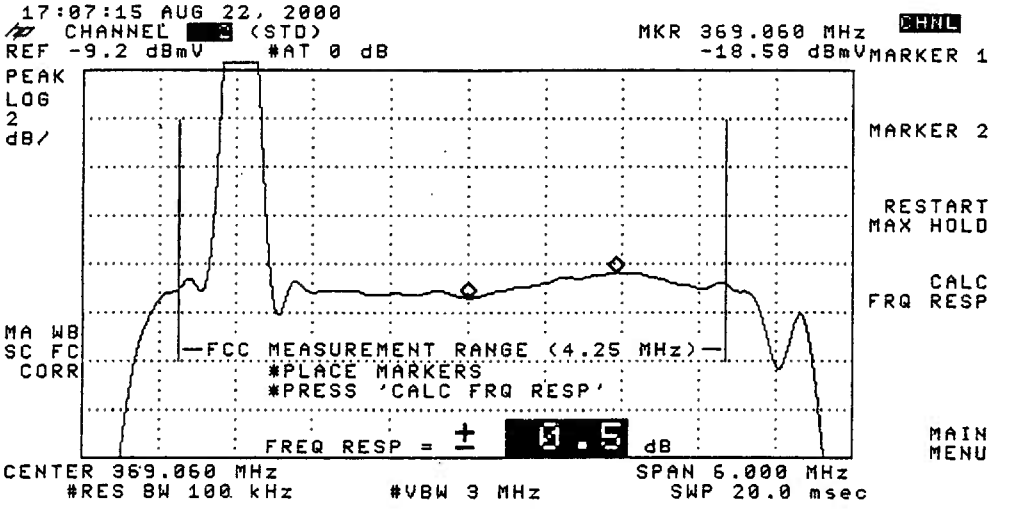

17:03:43 AUG 22, 2000
CHANNEL 2 (STD)
REF -4.3 dBmV
#AT 0 dB
MKR 125.055 MHz
-12.74 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.7 dB
MAIN
MENU
CENTER 123.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

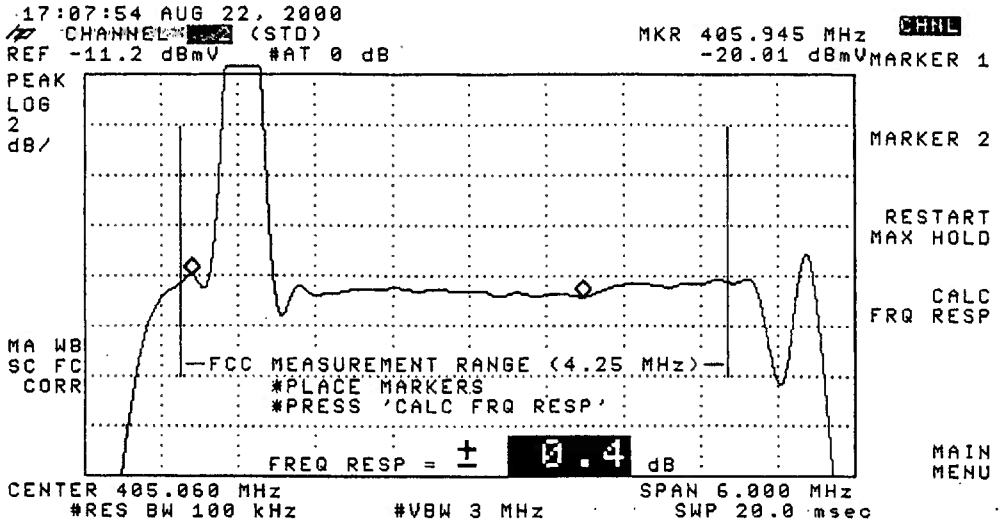

17:04:36 AUG 22, 2000
CHANNEL 2 (STD)
REF -5.7 dBmV
#AT 0 dB
MKR 166.860 MHz
-14.41 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
CENTER 165.090 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

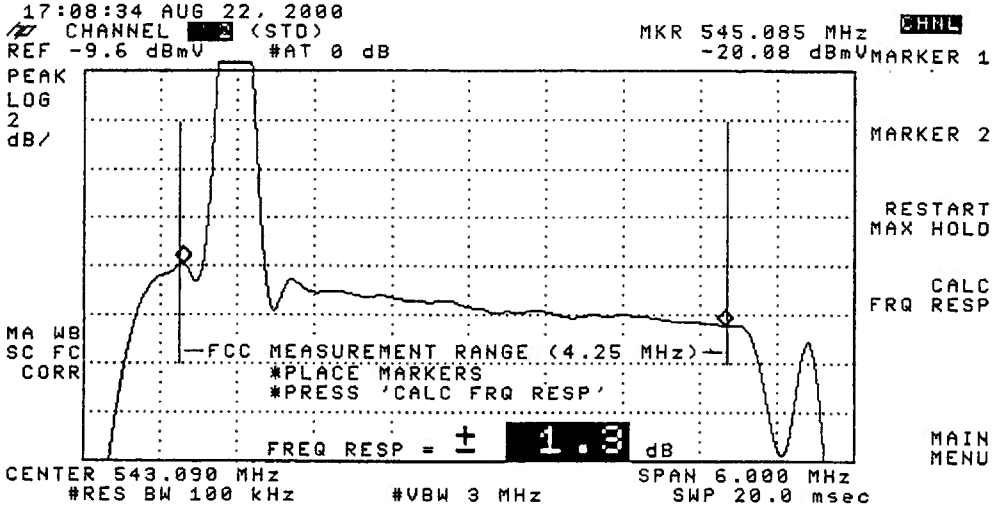

17:05:20 AUG 22, 2000
CHANNEL 2 (STD)
REF -2.4 dBmV
#AT 0 dB
MKR 184.755 MHz
-12.85 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 1.2 dB
MAIN
MENU
CENTER 183.090 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

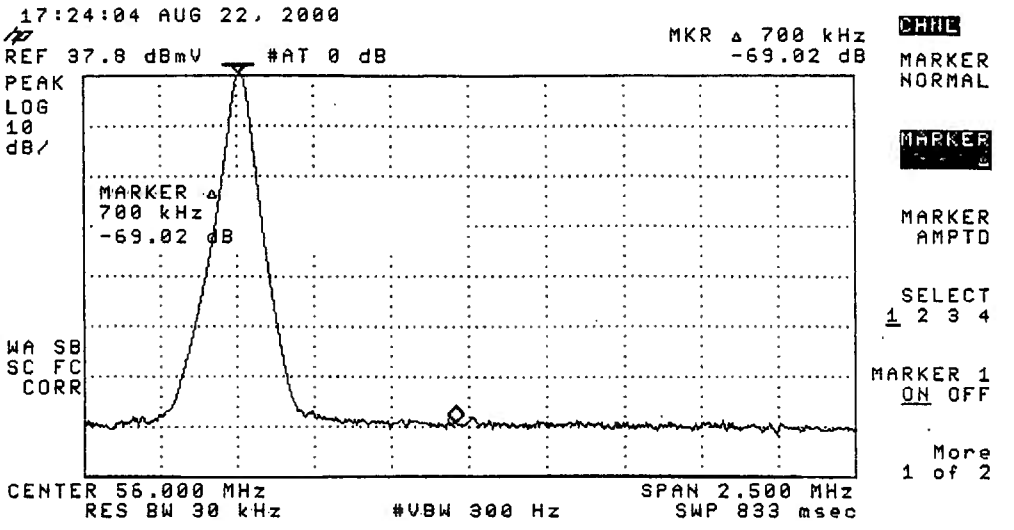

17:05:53 AUG 22, 2000
CHANNEL [redacted] (STD)
REF -5.4 dBmV
#AT 0 dB
MKR 280.830 MHz
-13.78 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 1.3 dB
MAIN
MENU
CENTER 279.030 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

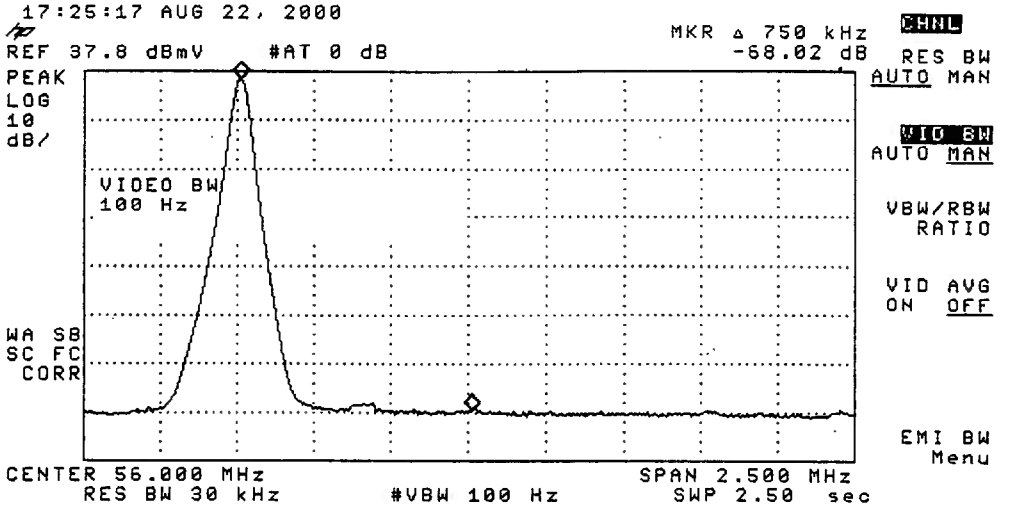

17:06:33 AUG 22, 2000
CHANNEL [redacted] (STD)
REF -6.3 dBmV
#AT 0 dB
MKR 317.025 MHz
-16.49 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 1.2 dB
MAIN
MENU
CENTER 315.000 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

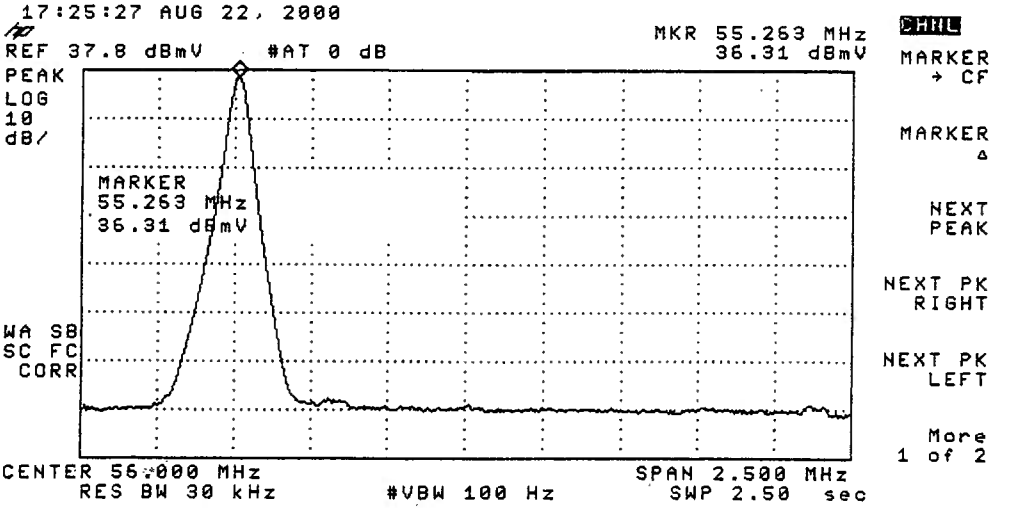

17:07:15 AUG 22, 2000
CHANNEL [redacted] (STD)
REF -9.2 dBmV
#AT 0 dB
MKR 369.060 MHz
-18.58 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
—FCC MEASUREMENT RANGE (4.25 MHz)—
*PLACE MARKERS
*PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.5 dB
MAIN
MENU
CENTER 369.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec

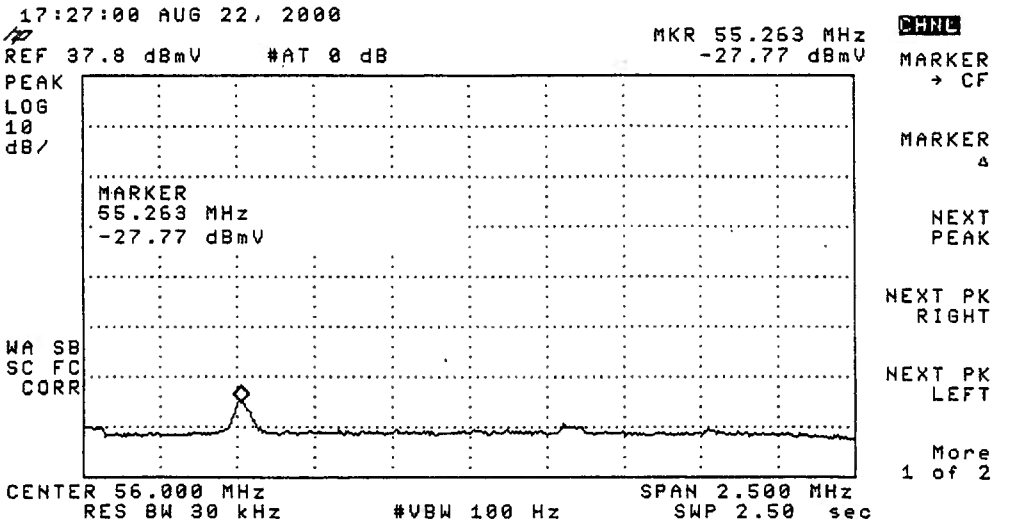

17:07:54 AUG 22, 2000
CHANNEL 2 (STD)
REF -11.2 dBmV
#AT 0 dB
MKR 405.945 MHz
-20.01 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 0.4 dB
MAIN
MENU
CENTER 405.060 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


17:08:34 AUG 22, 2000
CHANNEL 2 (STD)
REF -9.6 dBmV
#AT 0 dB
MKR 545.085 MHz
-20.08 dBmV
CHNL
MARKER 1
PEAK
LOG
2
dB/
MARKER 2
RESTART
MAX HOLD
CALC
FRQ RESP
MA WB
SC FC
CORR
FCC MEASUREMENT RANGE (4.25 MHz)
#PLACE MARKERS
#PRESS 'CALC FRQ RESP'
FREQ RESP = ± 1.3 dB
MAIN
MENU
CENTER 543.090 MHz
#RES BW 100 kHz
#VBW 3 MHz
SPAN 6.000 MHz
SWP 20.0 msec


17:24:04 AUG 22, 2000
REF 37.8 dBmV
#AT 0 dB
MKR Δ 700 kHz
-69.02 dB
PEAK
LOG
10
dB/
MARKER Δ
700 kHz
-69.02 dB
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 300 Hz
SPAN 2.500 MHz
SWP 833 msec
CHNL
MARKER
NORMAL
MARKER
MARKER
AMPTD
SELECT
1 2 3 4
MARKER 1
ON OFF
More
1 of 2


17:25:17 AUG 22, 2000
REF 37.8 dBmV
#AT 0 dB
MKR Δ 750 kHz
-68.02 dB
PEAK
LOG
10
dB/
VIDEO BW
100 Hz
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec
CHNL
RES BW
AUTO MAN
VID BW
AUTO MAN
VBW/RBW
RATIO
VID AVG
ON OFF
EMI BW
Menu


17:25:27 AUG 22, 2000
REF 37.8 dBmV
#AT 0 dB
MKR 55.263 MHz
36.31 dBmV
PEAK
LOG
10
dB/
MARKER
55.263 MHz
36.31 dBmV
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec
CHNL
MARKER
→ CF
MARKER
Δ
NEXT
PEAK
NEXT PK
RIGHT
NEXT PK
LEFT
More
1 of 2


17:27:00 AUG 22, 2000
REF 37.8 dBmV
#AT 0 dB
MKR 55.263 MHz
-27.77 dBmV
CHNL
MARKER
→ CF
MARKER
Δ
NEXT
PEAK
NEXT PK
RIGHT
NEXT PK
LEFT
More
1 of 2
PEAK
LOG
10
dB/
MARKER
55.263 MHz
-27.77 dBmV
WA SB
SC FC
CORR
CENTER 56.000 MHz
RES BW 30 kHz
#VBW 100 Hz
SPAN 2.500 MHz
SWP 2.50 sec

Visual Carrier Level Variation Test 76.605 (a) 4

System Name: TIME WARNER CABLE OSWEGO (7P8)

Test Point Location: FRAVOR ROAD, MEXICO N.Y.

Date: 28-Aug-00 Performed by: LARRY KAYLOR

Meter Serial Number: 9401158

Chan	Freq (MHz)	Temp °F				Max Variation	Chan	Freq (MHz)	Temp °F				Max Variation
		73	76	74	70				73	76	74	70	
		Time							Time				
		09:11	15:03	20:07	02:17				09:11	15:03	20:07	02:17	
		Visual Level (dbmv)							Visual Level (dbmv)				
2	55.2500	9.1	8.3	7.2	10.1	2.9	AA	301.2625	7.4	7.8	6.9	8.3	1.4
3	61.2500	8.9	8.4	7.4	10.5	3.1	BB	307.2625	7.7	8.1	7.0	8.3	1.3
4	67.2500	8.8	9.1	8.2	11.0	2.8	CC	313.2625	7.3	7.6	7.0	8.0	1.0
5	77.2500	8.9	9.0	7.9	10.7	2.8	DD	319.2625	7.8	8.3	7.0	8.2	1.3
6	83.2500	9.8	8.2	7.5	10.2	2.7	EE	325.2625	7.2	7.3	6.3	7.3	1.0
							FF	331.2750	6.9	7.1	6.4	7.6	1.2
							GG	337.2625	6.8	7.2	6.2	7.2	1.0
A-5	91.2500						HH	343.2625	6.2	7.2	6.1	7.2	1.1
A-4	97.2500						II	349.2625	6.3	7.3	6.2	7.5	1.3
A-3	103.2500						JJ	355.2625	7.0	7.2	6.5	7.6	1.1
A-2	109.2750						KK	361.2625	6.1	6.6	5.3	6.3	1.3
A-1	115.2750	9.1	7.9	6.7	9.2	2.5	LL	367.2625	6.2	6.5	5.3	6.3	1.2
A	121.2625	9.7	8.6	7.4	9.9	2.5	MM	373.2625	5.4	6.3	4.8	5.9	1.5
B	127.2625	9.1	8.2	7.1	9.4	2.3	NN	379.2625	5.0	5.9	4.8	6.0	1.2
C	133.2625	9.0	8.0	6.9	9.1	2.2	OO	385.2625	4.3	5.6	4.1	5.3	1.5
D	139.2500	8.7	7.7	6.7	8.9	2.2	PP	391.2625	4.6	5.3	4.0	5.1	1.3
E	145.2500	8.3	7.3	6.2	8.3	2.1	QQ	397.2625	4.8	5.8	4.5	5.0	1.3
F	151.2500	9.1	8.3	7.4	9.3	1.9	RR	403.2500	4.2	5.1	3.9	4.5	1.2
G	157.2500	8.8	7.9	6.8	9.3	2.5	SS	409.2500	4.4	4.0	3.1	3.9	1.3
H	163.2500	9.4	8.5	7.7	9.7	2.0	TT	415.2500	4.3	4.4	3.1	4.0	1.3
I	169.2500	9.3	8.6	7.3	9.7	2.4	UU	421.2500	4.2	4.3	3.0	3.7	1.3
7	175.2500	9.8	9.2	8.2	10.0	1.8	VV	427.2500	4.1	4.7	3.4	4.2	1.3
8	181.2500	8.9	9.5	8.7	10.5	1.8	WW	433.2500	4.3	5.3	4.0	4.7	1.3
9	187.2500	9.5	9.1	8.1	10.0	1.9	XX	439.2500	4.3	5.6	4.3	5.1	1.3
10	193.2500	9.1	8.9	7.7	9.5	1.8	YY	445.2500	4.0	4.6	3.6	4.8	1.2
11	199.2500	9.3	9.0	7.9	9.5	1.6	ZZ	451.2500	5.5	4.8	4.3	4.3	1.2
12	205.2500	8.4	7.6	6.5	8.4	1.9	63	457.2500	5.0	6.3	5.1	5.5	1.3
13	211.2500	8.0	7.7	6.5	8.5	2.0	64	463.2500	5.1	5.5	4.3	5.3	1.2
J	217.2500	8.3	7.7	6.4	8.2	1.9	65	469.2500	5.0	6.4	5.1	5.7	1.4
K	223.2500	8.0	8.1	6.8	8.2	1.4	66	475.2500	4.8	6.6	4.6	5.8	2.0
L	229.2625	8.3	8.3	7.2	8.6	1.4	67	481.2500	4.7	6.6	5.3	5.1	1.9
M	235.2625	8.6	8.8	7.7	9.4	1.7	68	487.2500	4.8	6.2	5.0	5.0	1.4
N	241.2625	8.7	8.8	7.5	9.2	1.7	69	493.2500	4.8	6.3	5.0	5.4	1.5
O	247.2625	8.8	8.8	7.9	9.4	1.5	70	499.2500	4.7	6.9	5.9	5.7	2.2
P	253.2625	8.9	8.9	7.6	9.6	2.0	71	505.2500	4.4	6.0	4.9	5.3	1.6
Q	259.2625	8.9	8.5	7.7	9.2	1.5	72	511.2500	4.6	6.8	5.6	6.3	2.2
R	265.2625	8.8	9.0	8.0	9.4	1.4	73	517.2500	5.6	6.3	4.2	4.5	2.1
S	271.2625	8.9	9.1	8.1	9.3	1.2	74	523.2500	4.9	6.0	4.4	4.9	1.6
T	277.2625	8.9	9.0	7.7	9.4	1.7	75	529.2500	4.8	6.1	4.6	5.3	1.5
U	283.2625	8.5	8.6	7.6	9.0	1.4	76	535.2500	5.6	4.3	5.1	5.8	1.5
V	289.2625	8.1	8.1	7.1	8.4	1.3	77	541.2500	5.0	5.8	4.8	5.1	1.0
W	295.2625	8.5	8.5	7.5	8.9	1.4	78	547.2500	4.9	5.9	6.1	5.6	1.2

Max NonAdjacent Channel Level Diff.	7.3
Max Adjacent Channel Level Diff.	1.8

Max Variance from last proof-of-performance test	5.8
Date of last proof-of-performance test	Feb. 7, 2000

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

TestPoint 15 Page 5 of 5

TIME WARNER CABLE

SYRACUSE DIVISION

FCC TECHNICAL TESTING STANDARDS

Revised 1-6-98

VISUAL CARRIER FREQUENCY AND AURAL CARRIER CENTER FREQUENCY FCC76.612 (a) (b) and 76.605 (a) (3)

Specification:

FCC: Visual carrier frequency must meet part 76.612 (a) and (b) specifications.

The center frequency of the aural carrier must be 4.5Mhz, +/- 5Khz above the frequency of the of the visual carrier at the output of the modulating or processing equipment of the cable television system.

Syracuse Division: +/- 1Khz on aural, per FCC 76.612 air nav., +/-25Khz non air nav.

Note: New division spec of +/- 3.5Khz on visual air nav. as of 2-97

Picture Effect:

Various impairments

Recommended Procedures:

-All measurements to be made at the headend testpoint.

-Connect equipment as shown in block diagram below.

-Record the visual carrier frequency and intercarrier frequency of all system channels.

-You may use either a tuned frequency counter or as spectrum analyzer with a precision frequency option.

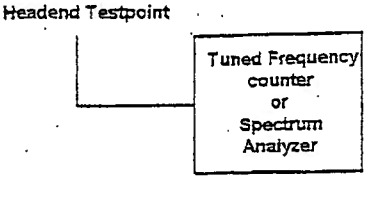
-Follow the manufacturers recommended methods for performing this measurement.

-Visual carrier frequencies in the frequency bands 108.0-137.0Mhz and 225.0-400.0Mhz need to be properly offset as per FCC rule 76.612.

-For non-air nav visual frequencies you should observe the +/- 25khz tolerance.

-Lastly, follow sound engineering practices as outlined in the NCTA Recommended Practices for Measurements on Cable Television Systems.

Block Diagram:



VISUAL, AURAL CARRIER LEVEL: 24 HR VARIATION

(LEVEL REQUIREMENTS)

FCC 76.605 (a) (4),(5),(6)

Specification:

FCC:

-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 24hr period.

-Visual carrier level shall be no less than 0dbmv at subscriber terminal and no less than +3dbmv at the end of a 100' drop.

-Visual signal level shall not vary by more than 8db within 24 hours or in any 6 month interval.

-Variance of adjacent (6Mhz) visual carriers shall not vary by more than 3db.

-Variance of non-adjacent channels shall not vary by more than 10db plus 1db for every 100Mhz above 300Mhz.

-The aural carrier amplitude shall be between 10db and 17db down from the visual carrier.

Recommended Procedures:

-Prior to the start of testing the Headend levels should be checked and adjusted to obtain no more than 1db max peak to valley with all non-scrambled aural carriers approximately 14db down from video.

-Store the Headend levels in the same meter that will be used for your system testpoint testing , note the time from the meter and the bin number that this was stored in. This will

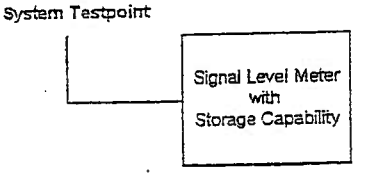
be entered into the Headend test forms at a later time.

-If you use more than one meter for your 24 hr test, then you should verify it's response against the response of the meter used for headend and testpoint testing.

-At each testpoint 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 attatchment stating the specifications of the converter.

-For the 24hr testing you should have a watch to note the time and should either use 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) (7)

Specification:

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

Syracuse Division: Same as FCC

Picture Effect:

Variations can affect not only the relative amplitude of different frequency components of the visual signal, but relative visual/aural carrier level and chroma delay.

Recommended Procedures:

-Measurements should be made on all FCC designated test channels at each system testpoint. The frequency response of all channels should be verified periodically at the headend testpoint.

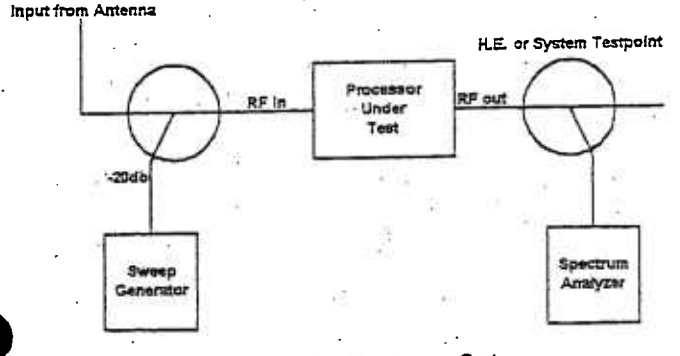
-Connect equipment as shown in the block diagrams below.

-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.

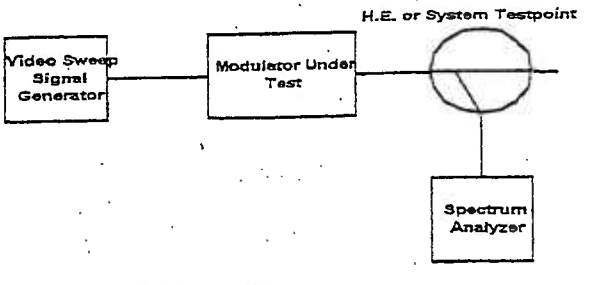
-Record the +/-db number(peak to valley/2) on page 3of 5 for each testpoint.

-Lastly, follow sound engineering practices as outlined in the NCTA Recommended Practices for Measurements on Cable Television Systems.

Block Diagrams:



RF Processor Sweep Setup



Video Sweep of Modulators

CARRIER TO NOISE RATIO

(C/N)

FCC 76.605 (a) (8)

Specification:

FCC: Minimum of 43db as of July 1, 1995

Syracuse Division: As per your system design specs or a minimum of 43db

Time Warner Corporate: 47db prior to converter

Picture Effect:

Noisy or snowy pictures. This can range from "imperceptible" at ratios above 53db to "annoying" at levels less than 40db. The ratios from 40 to 53db are subjective.

Recommended Procedures:

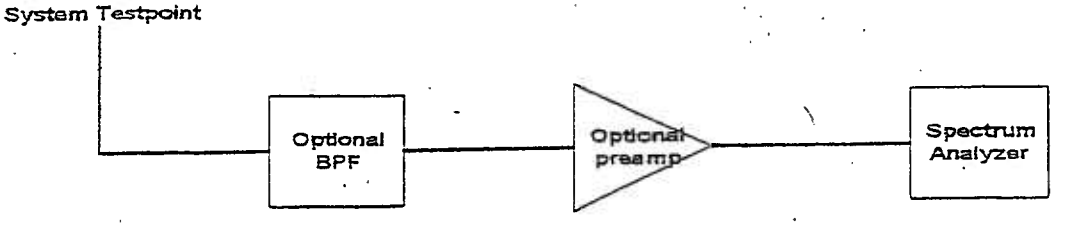
-Measurements should be made on all of the FCC designated test channels at each testpoint

-Connect equipment as shown in block diagram below.

-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, is 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 Diagram:



COHERENT DISTURBANCES

(CTB,CSO,CROSS MOD,INTERMOD)

FCC 76.605 (a) (9)

Specification:

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

Syracuse Division: As per your system design specs with a minimum of 51db

Time Warner Corporate: CSO-55db, CTB-53db prior to converter

Picture Effect:

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

Recommended Procedures:

-Measurements should be made on all of the FCC designated test channels at each testpoint.

-Connect equipment as shown in block diagram below.

-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, ensuring that you are not overloading the front end of the analyzer, etc.

-For best results you should look for intermod products with an analog display analyzer.

-All measurements are to be made without the converter (see page 8).

-Lastly, follow sound engineering practices as outlined in the NCTA Recommended Practices for Measurements on Cable Television Systems.

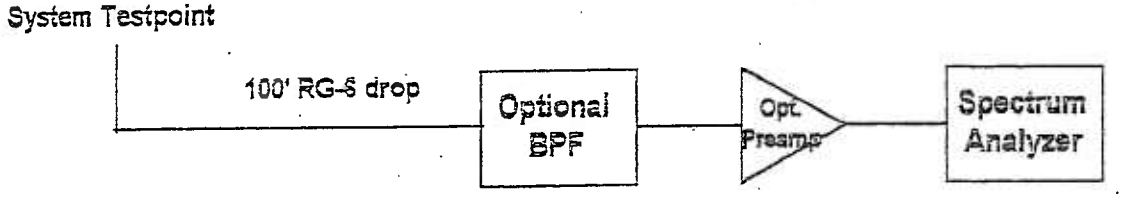
Note:

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

2) CSO fall at +/- .75Mhz and +/- 1.25Mhz, we only need to record the positive number as the negative numbers do not fall in the lower adjacent channel. 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.

Block Diagram:



LOW FREQUENCY DISTURBANCES

(HUM MODULATION)

FCC 76.605 (a) (11)

Specification:

FCC: <3%

Syracuse Division: <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 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, should measurement be 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:

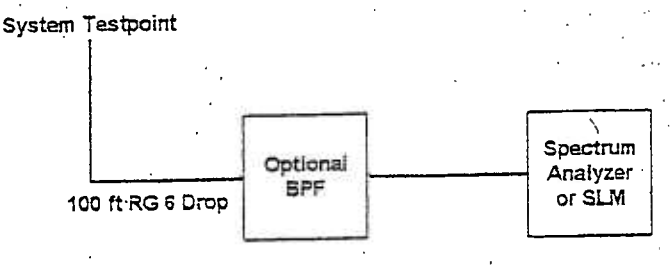


Exhibit 1

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	Transportation	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		

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
Hancock Air Field	0.40 Miles	Town of Camillus	1.30 Miles
Town of Cicero	0.30 Miles	Town of Clay	1.40 Miles
Town of DeWitt	1.60 Miles	Town of Manlius	0.50 Miles
Town of Onondaga	0.40 Miles	Town of Pompey	0.60 Miles
Town of Salina	1.40 Miles	Town of Van Buren	0.10 Miles
Village of Manlius	0.20 Miles		

STATE OF NEW YORK
TOWN OF GEDDES COUNTY OF ONONDAGA

In the Matter of the Renewal of the Cable Television Franchise Held by **TIME WARNER ENTERTAINMENT - ADVANCE/NEWHOUSE PARTNERSHIP** in the Town of Geddes, Onondaga County, NY

RESOLUTION

An application has been duly made to the Town Board of the Town of Geddes, Onondaga 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 5015 Campuswood Drive, Syracuse, New York 13221, and holder of a cable television franchise in the Town of Geddes for the approval of an agreement to renew Time Warner Cable's cable television franchise for an additional ten (10) years commencing February 28, 2000. 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 Town Hall, Solvay, New York on 8th, February, at 7:00 p.m. and notice of the hearing was published in the Syracuse Herald Journal on January 18, 2000. The Town Board for the Town of Geddes voted to approve the agreement to renew Time Warner Cable's cable television franchise on the 13th of June, 2000.

NOW, THEREFORE, the Town Board of the Town of Geddes 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 Town Board of the Town of Geddes hereby renews the cable television franchise of Time Warner Cable in the Town of Geddes for ten (10) years commencing February 28, 2000 and expiring February 28, 2010.

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

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

Dated: June 23, 2000

Frances A. Mains

Town Clerk
Town of Geddes

LEGAL NOTICE

PLEASE TAKE NOTICE THAT the Town Board of the Town of Geddes, Onondaga County, New York has scheduled a public hearing for the 8th of February, 2000 at 7:00 p.m. at the Town Hall, Solvay, 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 28th of February, 2000, 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 Town 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 Town 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: March 20, 2000

TIME WARNER CABLE - SYRACUSE DIVISION

PROOF OF PUBLICATION

State of New York, County of Onondaga, ss. Diane B. Scaffido, of the City of Syracuse, in said County, being duly sworn, doth depose and says: she is the Principal Clerk in the office of the HERALD-JOURNAL, a public newspaper, published in the City of Syracuse, Onondaga County, New York; and that the notice, of which the annexed is a printed copy cut from said newspaper, was printed and published in the regular edition and issue of said newspaper on the following days, viz.:

TOWN OF GEDDES
Ad #6499 PO # F MARINO
Paper HJ Start 1/20 Stop 1/20
Times 1
Runs
Paper Start Stop
Times
Runs
Text PLEASETAKENOTI

Diane B. Scaffido
Principal Clerk
Subscribed and Sworn to before me, this 1/20/00

Debra J. Williams 4/19/2001
NOTARY PUBLIC, ONONDAGA COUNTY, NY Commission Expires

PLEASE TAKE NOTICE THAT Time Warner Entertainment-Advance/Newhouse Partnership a New York general partnership organized and existing under the laws of the State of New York d/b/a Time Warner Cable, has filed an application for renewal of its Certificate of Confirmation and Cable Television Franchise in the Town of Geddes, Onondaga 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 Commission and at the office of the Clerk of the Town of Geddes, 1000 Woods Road, Solvay, New York 13209, during normal business hours. Any interested persons may file comments on the application with the New York State Public Service Commission, Three Empire State Plaza, Albany, New York 12223. Please Take Further Notice, that the Town Board of the Town of Geddes will conduct a public hearing to consider such renewal on February 8, 2000, at 7:00 P.M., at the Geddes Town Hall, 1000 Woods Road, Solvay, NY 13209 at which time all interested parties will be heard regarding said proposed renewal. Dated: January 18, 2000.

Proof of Publication
6/23/00
Frances A. Marino
Geddes Town Clerk

Story name #3935

PROOF OF PUBLICATION
State of New York, County of Onondaga ss. Diane B. Scaffido, of the City of Syracuse, in said County, being duly sworn, doth depose and says: she is the Principal Clerk in the office of the HERALD-JOURNAL a public newspaper, published in the City of Syracuse, Onondaga County, New York and that the notice, of which the annexed is a printed copy cut from said newspaper, was printed and published in the regular edition and issue of said newspaper on the following days, viz:

TIME WARNER CABLE
Ad #40565 PO #
Paper HJ Start 11/13 Stop 11/20
Times 2
Runs 11/13, 11/20
Paper Start Stop
Times
Runs
Text

PLEASE TAKE NOTICE THAT Time Warner Entertainment-Advance/Newhouse Partnership, a New York general partnership organized and existing under the laws of the State of New York d/b/a Time Warner Cable, has filed an application for renewal of its Certificate of Confirmation and Cable Television Franchise in the Town of Geddes, Onondaga 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 Town of Geddes, 1000 Woods Avenue, Solvay, New York 13209, during normal business hours. Any interested persons may file comments on the application with the New York State Public Service Commission, Three Empire State Plaza, Albany, New York 12223. Dated: November 8, 2000; TIME WARNER CABLE-SYRACUSE DIVISION.

Diane B. Scaffido
Principal Clerk
Subscribed and Sworn to before me, this 06 day of DEC 2000

Melissa Williams 4/19/2001
NOTARY PUBLIC, ONONDAGA COUNTY, NY Commission Expires

Story name #3935

PROOF OF PUBLICATION

State of New York, County of Onondaga ss. Diane B. Scaffido, of the City of Syracuse, in said County, being duly sworn, doth depose and says: she is the Principal Clerk in the office of the HERALD-JOURNAL a public newspaper, published in the City of Syracuse, Onondaga County, New York and that the notice, of which the annexed is a printed copy cut from said newspaper, was printed and published in the regular edition and issue of said newspaper on the following days, viz:

TIME WARNER CABLE
Ad #40565 PO #
Paper HJ Start 11/13 Stop 11/20
Times 2
Runs 11/13, 11/20
Paper Start Stop
Times
Runs
Text

PLEASE TAKE NOTICE THAT Time Warner Entertainment-Advance/Newhouse Partnership, a New York general partnership organized and existing under the laws of the State of New York d/b/a Time Warner Cable, has filed an application for renewal of its Certificate of Confirmation and Cable Television Franchise in the Town of Geddes, Onondaga 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 Town of Geddes, 1000 Woods Avenue, Solvay, New York 13209, during normal business hours. Any interested persons may file comments on the application with the New York State Public Service Commission, Three Empire State Plaza, Albany, New York 12223. Dated November 8, 2000; TIME WARNER CABLE-SYRACUSE DIVISION.

Diane B Scaffido
Principal Clerk
Subscribed and Sworn to before me, this 06 day of DEC 2000

Debra J Mullen 4/19/2001
NOTARY PUBLIC, ONONDAGA COUNTY, NY Commission Expires