

**ENGINEERING EXHIBIT  
IN SUPPORT OF AN AMENDMENT OF  
APPLICATION FOR CONSTRUCTION PERMIT  
WABC-DT – NEW YORK, NEW YORK  
FACILITY ID NUMBER 1328  
CHANNEL 7 – 26.9 KW – 405.0 M HAAT**

**Table of Contents**

Engineering Statement

Exhibit 1	Predicted Contours – 43 dBu Required City Contour and 36 dBu F(50:90) Noise Limited Contour
Exhibit 2	Interference Study Results in TV Process Output Format
Exhibit 3	Antenna Elevation Pattern and Tabulation

**ENGINEERING STATEMENT  
IN SUPPORT OF AN AMENDMENT OF  
APPLICATION FOR CONSTRUCTION PERMIT  
WABC-DT – NEW YORK, NEW YORK  
FACILITY ID NUMBER 1328  
CHANNEL 7 – 26.9 KW – 405.0 M HAAT**

Applicant: American Broadcasting Companies, Inc

I am a consulting engineer, an employee of the Carl T. Jones Corporation, with offices in Springfield, Virginia. My education and experience are a matter of record with the Federal Communications Commission. I am a Registered Professional Engineer in the Commonwealth of Pennsylvania, Registration Number PE-027589E.

**Purpose of Amendment**

Through this amendment, WABC proposes a slight change in effective radiated power to equal the ERP presently authorized by STA (see BEDSTA-20100617AKM as filed to extend BDSTA-20100108ACK). The proposed ERP of 26.9 kW has been shown to cause impermissible interference to only one station, WNJB. WABC, WNJB and WGAL have successfully concluded negotiations which resulted in an interference acceptance agreement between the stations. A copy of this interference acceptance agreement is being filed with this amendment.

**Introduction**

American Broadcasting Companies, Inc., is the licensee of channel 7 television station WABC-TV/WABC-DT, New York, New York (WABC). WABC has authorized this office to prepare this statement, the technical portions of this application and associated exhibits. Through this amendment, WABC seeks a construction permit to increase effective radiated power to 26.9 kW. The present antenna at the Empire State Building is described in the outstanding construction permit, BPCDT-20080529AJT and the Tech Box section of the instant application, BPCDT-20090626ABL as amended. No construction is required to implement the requested increase in ERP beyond adjustment of equipment in the WABC transmitter room.

In the channel election process, VHF channel 7 was designated for post-transition use by WABC, Facility ID 1328. This channel is designated for use by WABC in Section 73.622 and in Appendix B (FCC 08-72). The WABC Appendix B facility bears geographic coordinates of the former location of the World Trade Center Building. The WABC channel 7 NTSC facilities and Initial Allotment DTV facilities were lost in the attacks of September 11, 2001.

The outstanding construction permit, BPCDT-20080529AJT, authorizes an ERP of 11.69 kW from an antenna atop the Empire State building in mid-town Manhattan. WABC began DTV transmission on June 12, 2009 on channel 7 under automatic program test authority as described in BLCDT-20090612ADK which covers the facilities described in BPCDT-20080529AJT.

In June 2009, WABC filed an application to increase ERP to 27.0 kW. At the time of filing, with the sole exception of the WNJB STA, BLDSTA-20081217ABN, this application did not cause any impermissible interference to any application, license or granted construction permit.

WNJB subsequently modified its earlier construction permit, BMPEDT-20070125ACC, which specified a transmitting location at the 4 Times Square Building, to specify facilities which did not exceed the WNJB Appendix B facility. The application to modify specified a location in New Jersey and bears FCC File Number BMPEDT-20090729ACO and was on granted July 31, 2009. Shortly after the grant of the modified Construction Permit, WNJB filed an application for license, BLEDT-20090820AAL, which was accepted for filing on August 21, 2009 and granted on August 24, 2010. The WABC application for construction permit to increase ERP to 26.9 kW creates impermissible interference to the WNJB modified construction permit captioned above. To address interference to WNJB, WABC and WNJB have negotiated an Interference Acceptance Agreement which includes a third station, WGAL, the details of which are contained in the Agreement which is attached to and a part of this application.

### **June 12, 2009 Transition to Digital Television**

WABC and other full-service television broadcasters transitioned to digital television on June 12, 2009. Shortly after the transition, some viewers who were accustomed to watching WABC over-the-air, called the WABC DTV Help Center or the FCC's DTV Help Center to report difficulties in receiving WABC. Several causes are possible, but in many instances, the weaker DTV signal is part of the problem.

Through this request, WABC seeks to increase its ERP to 26.9 KW. This ERP does not exceed the maximum ERP allowed for DTV stations in Television Zone I.

The proposed ERP will provide stronger signals to over-the-air viewers, particularly those who reside relatively close to the Empire State Building. Most of the population of the five boroughs of New York City falls into this category.

**Requested ERP and Waiver Request**

The outstanding WABC construction permit authorizes an ERP of 11.69 kW at 405 meters above average terrain. The formula in Section 73.622(f)(7)(ii), will yield 10.68 dBK, or 11.69 kW when the HAAT of 405 meters is entered in the equation.

The ERP that is requested in the instant request is 26.9 kW. This ERP is approximately 3.62 dB higher than the ERP authorized by the outstanding construction permit, BPCDT-20080529AJT. The 26.9 KW ERP has been used under STA for several months. This increased ERP has enabled restoration of service to many over-the-air viewers who had reception difficulties or lost the ability to receive WABC on the day of the digital transition. For this reason, WABC seeks a construction permit to operate with 26.9 kW as part of the continuing effort by WABC to restore over the air reception to its former analog viewers. A waiver of Section 73.622(f)(7)(ii) is respectfully requested if necessary, to continue the effort to restore over the air reception to former analog viewers through continued operation with an ERP of 26.9 kW.

WABC, when operating under program test authority with 11.69 kW creates a service area of 32,172.9 square kilometers within its protected contour. WCBS has a pending application for the proposed Freedom Tower location that contains 32,566.8 square kilometers in its predicted, protected contour. With the exception of STA facilities, WABC is unable to find a granted CP or license that contains more area within its protected contour than that within the protected contour of its outstanding 11.69 kW CP. WPIX and WNET operate at the Empire State Building from the same antenna which is also used by WABC, but with lower ERP. If either WPIX or WNET increases its ERP beyond 11.69 kW, it would become the largest station in the market. If WABC increases its ERP to 26.9 KW, WABC will remain the largest facility in the market as defined by FCC rules, unless, as described above, WPIX or WNET is able to exceed the 26.9 KW that WABC seeks through this request. WABC respectfully requests a waiver of Section 73.622(f)(5) if the Commission determines such a waiver is necessary to allow WABC to operate with 26.9 kW ERP.

The proposed ERP of 26.9 KW will not cause impermissible interference to any authorized DTV facilities except WNJB, New Brunswick, NJ. An interference study was conducted, and the impermissible interference created to WNJB was calculated and is included in the Interference Acceptance Agreement that is attached and is part of this application. The complete results are contained in the TV Process output which is included in this engineering exhibit as the figure that is labeled Exhibit 2.

**The WABC-DT Appendix B Facility**

The WABC channel 7 post-transition Appendix B facility bears the coordinates of the World Trade Center. The WABC DTV channel 45 facility which was built at the World Trade Center is described in the construction permit BMPCDT-20000508AAS. This permit was granted on October 23, 2000.

The application for license to cover the World Trade Center facilities bears FCC File Number BLCDT-20010710ABU. The WABC DTV initial allotment also contains World Trade Center coordinates. The initial allotment construction permit and the application for license captioned above describe the facilities that form the basis of the WABC post-transition Appendix B facilities.

**Licensed Facility**

The WABC-TV license bears FCC File Number BLCT-19800730KG and specified an ERP of 64.6 KW at 491.0 m HAAT. These facilities were lost in the attack on the World Trade Center of September 11, 2001. Since shortly after that time and until the transition of full service television stations to DTV only operation, WABC-TV operated with a Special Temporary Authorization from the Empire State Building. In late 2001 and the following years, through the efforts of the broadcasters involved and the Empire State Building, electrical service, antenna systems, associated transmission line components and the combining system now being used by the high VHF channel DTV stations were installed. The newly installed antenna systems changed the mechanical requirements of the antenna supporting structure and the television stations working with the Empire State Building management and engineering accomplished the addition of structural reinforcement of the building's antenna supporting structure.

Historical records show WABC-TV operation commenced on August 10, 1948. By the early 1950's, WABC-TV was operating from the Empire State Building from the newly erected mast and a channel 7 antenna system. This operation continued until the transmitting facilities at the World Trade Center were completed in 1980. Although the Empire State Building is historically important, much of the history of the Building is associated with the early FM radio and television experiments to present day broadcasting operations. This location is recognized as a site that is very well suited for television and FM radio transmission. The Empire State Building bears Antenna Structure Registration number 1007048.

### **The WABC Main License Expiration Date**

The WABC-DT/TV Main License bears an expiration date of June 1, 2007. A timely application for renewal of the WABC license was filed with the Commission and bears FCC File number BRCT-20070201BHD and was accepted for filing on February 9, 2007 and remains in pending status as of this writing. Thus, the instant amendment is acceptable for filing and processing.

### **Proposed Facility**

The pertinent technical parameters for the proposed post-transition WABC facility at the Empire State Building are shown in the associated FCC Form 301 technical parameter entries. The details of the antenna elevation pattern are shown in the attached figure that is labeled Exhibit 3. The 43 dBu F(50:90) principal community contour and the 36 dBu F(50:90) noise limited contour are shown in the attached figure that is labeled Exhibit 1. This Exhibit clearly shows the limits of New York City and also shows that New York City is completely contained within the proposed WABC predicted 43 dBu F(50:90) contour.

The severe lack of suitable antenna aperture in New York City has prompted three high VHF channel DTV stations to implement a common VHF antenna and combiner system for use on channels 7, 11, and 13 at the Empire State Building. Prior to the transition to DTV, the shared antenna operated in NTSC service for several years. The proposed antenna is the existing Dielectric model THA-O4-2H/8UD2SP-2-HM antenna, which according to the manufacturer's specifications, produces 3.0 degrees of electrical beam tilt and has a gain of 4.1 (6.13 dB) at channel 7. This antenna was selected because of its ability to develop the necessary ERP with three high VHF stations presently sharing the antenna and operating simultaneously. This antenna was also selected because its impedance and pattern bandwidth characteristics make it suitable for multi-station use.

The combiner has the capacity to accommodate the transmitter output power of each of the three high-channel VHF TV stations' present and proposed DTV operation. The manufacturer states that the combiner has sufficient port-to-port isolation and power handling capability to enable simultaneous operation of the three high-channel VHF DTV stations and also meet the Commission's requirements for suppression of spurious and harmonic emissions. The combiner has been in service for several years. Measurements have been made to verify the proper operation of this combiner and no instance of unstable operation or spurious, intermodulation or harmonic emissions has been

observed. The manufacturer's rating of the combiner and antenna components are well suited for the proposed post-transition operation of channels 7, 11, and 13.

The proposed WABC facility will produce an ERP of 26.9 kilowatts at an HAAT of 405 meters from the Dielectric VHF antenna and combiner system described above.

### **Requirements of Section 73.625 and Section 73.685**

Section 73.625(a) requires that any proposed DTV facility supply a sufficient signal to cover the principal community. For channel 7, the required coverage is shown if the predicted 43 dBu contour encompasses the community of license. The proposed facilities satisfy this requirement, as shown in Exhibit 1.

Section 73.685 requires that special attention be given to unwanted effects from antenna coupling when a television stations operate within 20 percent of the proposed channel's frequencies with an antenna within 61 meters (approximately 200 feet) of the proposed station's antenna. For the proposed WABC channel 7 DTV operation, this includes frequencies above channel 7 through channel 13.

The proposed antenna and combining system has been operating for several years on the Empire State Building. The present combined antenna system was used for more than 4 years in NTSC service. Since June 12, 2009, the combiner and antenna system has been used by DTV channels 7, 11, and 13. During this time, no adverse intermodulation product has been noted or observed nor have spurious emission difficulties or complaints been received. Because of this experience and the attention to the design and adjustment of the combiner, no adverse effect from intermodulation products is expected from the instant proposal. Measurements have been made prior to commencement of operation with this combiner in DTV service to assure compliance with the Commission's Rules regarding harmonic, spurious and out of band emissions.

### **Allocation Considerations**

The Predicted Noise-Limited contour and Required City contour of the proposed 26.9 kW ERP WABC facilities on the Empire State Building were plotted using methods described in the Rules. The contours described in this paragraph are shown in the figure which is labeled Exhibit 1 and is included as part of this engineering statement.

The proposed WABC DTV facility is expected to improve service by improving signal strength to those viewers who reside primarily within the Principal City Contour and the Noise Limited Contour.

The figure that is labeled Exhibit 1 shows the location of the noise limited contour and the required city contour. The city of license, New York, New York, is clearly contained within the predicted 43 dBu contour.

The higher 26.9 KW ERP will serve a second, very important purpose to improve service to viewers in the immediate vicinity of the transmitter – areas that are well within the limits of the city of license. The urban environment that is created by a multitude of high-rise buildings which contain steel and concrete can cause severe attenuation of signals as well as multi-path effects. In addition, these buildings usually do not lend themselves to outdoor antenna installations by individual tenants. It has become obvious that, prior to the transition to DTV on channel 7 on June 12, 2009 many of these residents were able to receive a satisfactory NTSC signal from WABC on channel 7, and after the transition to DTV were not able to receive WABC, in many cases due to weak signal strength.

The proposed facility meets the requirements of Section 73.616 in all cases except the case of WNJB. WABC, WGAL and WNJB have concluded an interference acceptance agreement which provides a means for parties to the agreement to increase ERP in order to improve service to their viewers. A copy of this agreement is attached to and a part of this agreement.

### **Protection to DTV Post-Transition Facilities**

The Commission's TV\_Process program was run with the proposed parameters for operation at the Empire State Building. The program identified post-transition facilities of seven stations that are potentially affected by this proposal.

TV\_Process was run on a Sun workstation and with this hardware, it is expected that the results obtained demonstrate accuracy in calculation that are in close agreement with results that the Commission obtains from TV Process software when running on a Sun workstation platform.



The proposed WABC operation from the Empire State Building was studied for additional interference the Post-Transition facilities contained in Appendix B (FCC 08-72). The interference study identified seven stations as potentially affected by the proposed WABC post-transition Empire State Building operation. The proposed post-transition operation of WABC-DT from the Empire State Building meets all the Commission's requirements for a minor change to an existing station by a comfortable margin with the single exception of the increased interference to WNJB-DT, channel 8, New Brunswick, New Jersey.

The use of 26.9 KW with the shared Dielectric high VHF channel antenna system at the Empire State Building in place of the WABC Appendix B facilities identified seven stations and one Class A station and the study shows the following results:

07 WJLA, Washington, DC	0.062% Additional Interference
07 WBNG-TV, Binghamton, NY	0.498% Additional Interference
07 WXXA-TV, Albany, NY	0.420% Additional Interference
07 WWNY-TV, Carthage, NY	Proposal Causes No Interference
08 WNJB, New Brunswick, NJ	As Shown in Interference Agreement
08 WICZ, Binghamton, NY	Proposal Causes No Interference
07 W07BV, Wilkes-Barre, PA	Proposal Causes No Interference

The complete interference study in TV Process output format is attached as Exhibit 2.

#### **Protection of AM Stations and Protected Receiving Locations**

The Commission's database contains no AM station within 3.2 kilometers of the Empire State Building. This situation satisfies the requirements of Section 73.1692 of the Rules with regard to AM stations.

The nearest FCC Monitoring Station is located in Laurel Maryland, and is several hundred kilometers distant, well beyond the distance specified in Section 73.1030(c) of the Rules. Other receiving and Quiet Zone facilities are more distant and because of this, the requirements of Section 73.1030 which protect these facilities are satisfied.

### **Compliance with Radiofrequency Energy Exposure Limits**

The proposed WABC-TV operation at the Empire State Building will comply with the FCC's rules and guidelines pertaining to human exposure to electromagnetic energy. The Empire State Building has established policies and procedures and has defined certain areas as controlled areas where access by all persons is restricted unless certain facilities cease operation, change antennas or reduce power. A procedure to notify tenants of a required shutdown has been developed. As a lessee, WABC is subject to the Empire State Building's RF Safety Program which is revised periodically as modification of facilities occurs. The RF Safety Program revisions are a collaborative effort between the broadcaster tenants and the building management. Data concerning the proposed WABC-DT operation will be supplied for inclusion in the next revision of the RF Safety Procedures that is in the preparation stages.

The RF Safety Procedures at the Empire State Building include restricted access to areas where calculation or measurement indicate levels of radiofrequency energy in excess of those defined in Section 1.1310 of the Rules may be present during normal broadcast operations. The RF Safety Procedures include restricted access by lock and key to the tower structure above the mooring mast area during normal broadcast operations, and the use of on-site personnel to verify continuous shutdown of those operations that contribute to fields in areas where workers must be present while work is being done.

When work is being done in the vicinity of any broadcast antenna, remote control operation is disabled to prevent accidental exposure of personnel from inadvertent activation of transmitters. Each facility is observed to be compliant with procedures to shut-down or operate at reduced power as required by the location of work. These RF Safety Procedures also define the requirement for personnel to use personal RF exposure monitors and participate in appropriate RF safety awareness training. As new licensees begin or change operations on the Empire State Building, the RF Safety Procedures are updated to reflect the current RF exposure levels and define the areas which are restricted to prevent accidental exposure of personnel.

The nearest uncontrolled area which is unshielded by the building structure is located on Floor 86. The slant distance from the channel 7 shared antenna and a point approximately two meters above this floor is at least 84.4 meters. The angle below horizontal is approximately 78 degrees or more, and the relative field for angles of depression between 53 and 90 degrees is less than 0.082. Calculations were performed in accordance with OET Bulletin 65, Edition 97-01. The result of these calculations made with Equation 2 of Supplement A in Section 3 predict the contribution from the proposed WABC-DT post-transition channel 7 operation to the 86<sup>th</sup> floor to two meters above the 86<sup>th</sup> floor is less than 0.000386 mW/cm<sup>2</sup> which is less than 0.193 percent of the 0.2 mW/cm<sup>2</sup> limit for uncontrolled areas at the channel 7 operating frequency in the former NTSC service with 123 KW ERP. The contribution of 26.9 KW DTV service will be less than the contribution of the former NTSC facility.

The calculation above compares results of the former simultaneous operation of WABC-TV on channel 7 with 123 KW, and the operation of WABC-DT on channel 45. Since the DTV Transition, the WABC channel 45 DTV transmitter has been shut down, and the DTV signal has been transferred to physical channel 7. As a consequence, the net contribution from WABC has been reduced as described above when considering the proposed DTV operation on channel 7 utilizing 26.9 KW.

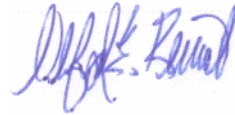
## **Conclusion**

The Empire State Building is well suited as a site for television transmission. WABC has persistently used its best efforts to improve television service to New York through cooperative efforts with the Empire State Building management and their mechanical and electrical engineers, and collaborative efforts with other broadcaster's engineering representatives and equipment manufacturers to optimize the service that can be provided from the limited facilities at the Empire State Building. The proposed post-transition operation of WABC-DT from the Empire State Building meets all the Commission's requirements for a minor change to an existing station with the single exception of the interference to WNJB-DT, channel 8, New Brunswick, New Jersey, and with respect to WNJB, the parties have entered into an Interference Acceptance Agreement. When placed in the context of available transmission locations in New York City, the terrible and unpredictable loss of the WABC-TV and WABC-DT facilities at the World Trade Center in the attacks of September 11, 2001, including the circumstances that resulted from the aftermath of these attacks and consideration of the characteristics of the Empire State Building as a location that is well suited for television transmission, a grant of this application would be in the public interest.

WABC-DT, New York, NY  
Construction Permit Application Amendment  
November 2010, Page 11 of 11

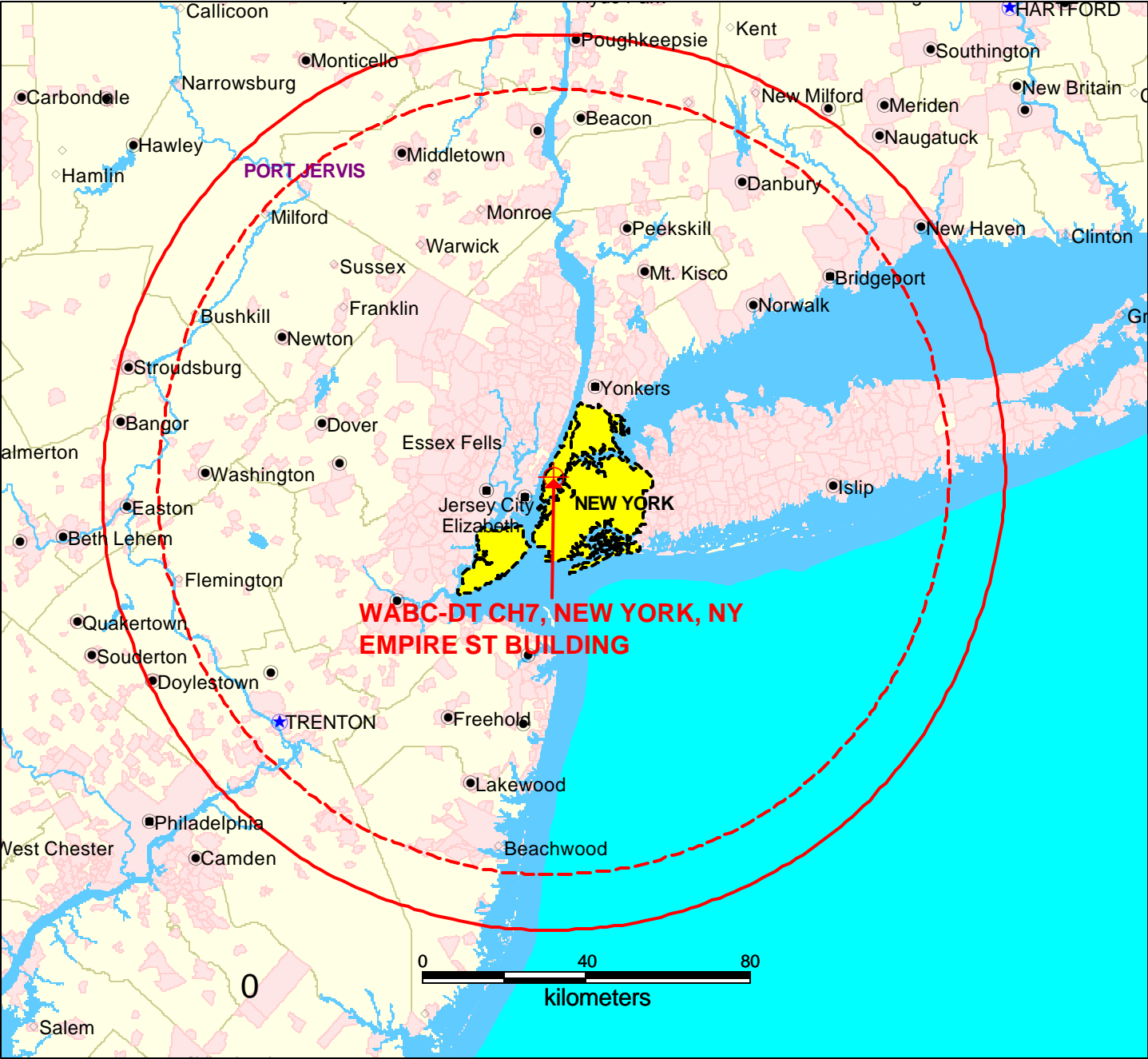
**Certification**

I certify that, on behalf of American Broadcasting Companies, Inc., permittee of WABC-DT, the information that is contained in this statement was prepared by me or under my immediate supervision. Zar B. Aung, EIT provided assistance with the preparation of the exhibits. On behalf of American Broadcasting Companies, Inc., I have reviewed the information that is contained in this Statement, and that after such review and examination have found it to be accurate and true to the best of my knowledge and belief.



Signed: \_\_\_\_\_  
Alfred E. Resnick, P. E.

Dated: November 4, 2010



**PREDICTED COVERAGE CONTOUR**

**WABC-DT CH. 7, NEW YORK, NY( Empire St. Building)**  
**405 m HAAT, 418.5 m RCAMSL, NON D-ANT**

**Predicted Noise Limited Coverage Contour**  
**26.9 kW, F(50,90), 36 dBu**

**Predicted Principal Community Coverage Contour**  
**26.9 kW, F(50,90), 43 dBu**

SEPTEMBER 2010

**CARL T. JONES**  
**CORPORATION**

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 09-20-2010 Time: 14:44:06

Record Selected for Analysis

WABC-TV BPCDT -WABCDT7APPB NEW YORK NY US  
Channel 07 ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
Latitude 040-44-54 Longitude 0073-59-10  
Status APP Zone 1 Border C  
Last update Cutoff date Docket  
Comments  
Applicant AMERICAN BROADCASTING COMPANIES, INC

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility does not meet maximum height/power limits  
Channel 7 ERP = 26.90 HAAT = 405.

Azimuth (Deg)	ERP (kW)	HAAT (m)	36.0 dBu F(50,90) (km)
0.0	26.900	382.9	106.6
45.0	26.900	409.2	108.7
90.0	26.900	406.1	108.5
135.0	26.900	407.5	108.6
180.0	26.900	403.6	108.3
225.0	26.900	418.5	109.5
270.0	26.900	407.8	108.6
315.0	26.900	404.8	108.4

Evaluation toward Class A Stations

The Proposal creates No Interference to W07BV.  
Results are shown for affected station number 7, W07BV.

The January 5, 2010 WABC-WNJB Interference Acceptance Agreement

Results of the interference calculations contained in the WABC-WGAL-WNJB Interference Acceptance Agreement which is dated January 5, 2010, were based in part on WABC operation at 27.0 kW and WNJB operation at 40.9 kW. The calculations in this Exhibit were made with WABC operation at the proposed ERP of 26.9 kW and WNJB operating with 40.82 kW as authorized in the present STA. Because of this, the results contained herein may differ slightly from those contained in the Agreement.

SPACING VIOLATION FOUND BETWEEN STATION

WABC-TV 07 NEW YORK NY BPCDT WABCDT7APPB

and station

SHORT TO: WXXA-DR 07 ALBANY NY BPRM 20000718AAA  
042-37-31 0074-00-38  
Req. separation 244.6 Actual separation 208.5 Short 36.1 km

SHORT TO: WXXA-TV 07 ALBANY NY BLCDT 20051222AAQ  
042-37-31 0074-00-38  
Req. separation 244.6 Actual separation 208.5 Short 36.1 km

SHORT TO: WBNG-TV 07 BINGHAMTON NY BLCDT 20060329ACH  
042-03-31 0075-57-6.  
Req. separation 244.6 Actual separation 219.5 Short 25.1 km

SHORT TO: WABC-TV 07 NEW YORK NY BPCDT 20080529AJT  
040-44-54 0073-59-10  
Req. separation 244.6 Actual separation 0.0 Short 244.6 km

SHORT TO: WABC-TV 07 NEW YORK NY BXPCT WABCDT7-4TS  
040-45-22 0073-59-12  
Req. separation 244.6 Actual separation 0.9 Short 243.7 km

SHORT TO: WABC-TV 07 NEW YORK NY DTVPLN DTVP0350  
040-42-43 0074-00-49  
Req. separation 244.6 Actual separation 4.7 Short 239.9 km

SHORT TO: WABC-TV 07 NEW YORK NY BMPCDT 20080620AMV  
040-42-36 0074-00-48  
Req. separation 244.6 Actual separation 4.8 Short 239.8 km

SHORT TO: WNJB 08 NEW BRUNSWICK NJ BMPEDT 20100107ACX  
040-37-17 0074-30-15  
Req. separation => 20.0 <= 110.0 Actual separation 46.0 Short 64.0( 26.0) km

SHORT TO: WNJB 08 NEW BRUNSWICK NJ BMPEDT 20090729ACO  
040-37-17 0074-30-15  
Req. separation => 20.0 <= 110.0 Actual separation 46.0 Short 64.0( 26.0) km

SHORT TO: WNJB 08 NEW BRUNSWICK NJ BPCDT WNJBBDT4082  
040-37-17 0074-30-15  
Req. separation => 20.0 <= 110.0 Actual separation 46.0 Short 64.0( 26.0) km

SHORT TO: WNJB 08 NEW BRUNSWICK NJ BPCDT WNJBAPPB202  
040-37-17 0074-30-15  
Req. separation => 20.0 <= 110.0 Actual separation 46.0 Short 64.0( 26.0) km

SHORT TO: WXXA-DR 07 ALBANY NY BPRM 20000718AAA  
042-37-31 0074-00-38  
Req. separation 244.6 Actual separation 208.5 Short 36.1 km

SHORT TO: WXXA-TV 07 ALBANY NY BLCDT 20051222AAQ  
042-37-31 0074-00-38  
Req. separation 244.6 Actual separation 208.5 Short 36.1 km

SHORT TO: WBNG-TV 07 BINGHAMTON NY BLCDT 20060329ACH  
042-03-31 0075-57-6.  
Req. separation 244.6 Actual separation 219.5 Short 25.1 km

SHORT TO: WABC-TV 07 NEW YORK NY BPCDT 20080529AJT  
040-44-54 0073-59-10  
Req. separation 244.6 Actual separation 0.0 Short 244.6 km

SHORT TO: WABC-TV 07 NEW YORK NY BXPCT WABCDT7-4TS  
040-45-22 0073-59-12  
Req. separation 244.6 Actual separation 0.9 Short 243.7 km

SHORT TO: WABC-TV 07 NEW YORK NY DTVPLN DTVP0350  
040-42-43 0074-00-49  
Req. separation 244.6 Actual separation 4.7 Short 239.9 km

SHORT TO: WABC-TV 07 NEW YORK NY BMPCDT 20080620AMV  
040-42-36 0074-00-48  
Req. separation 244.6 Actual separation 4.8 Short 239.8 km

SHORT TO: WNJB 08 NEW BRUNSWICK NJ BMPEDT 20100107ACX  
040-37-17 0074-30-15  
Req. separation => 20.0 <= 110.0 Actual separation 46.0 Short 64.0( 26.0) km

SHORT TO: WNJB 08 NEW BRUNSWICK NJ BMPEDT 20090729ACO  
040-37-17 0074-30-15  
Req. separation => 20.0 <= 110.0 Actual separation 46.0 Short 64.0( 26.0) km



SHORT TO: WNJB 08 NEW BRUNSWICK NJ BPCDT WNJBAPPB202  
040-37-17 0074-30-15  
Reg. separation => 20.0 <= 110.0 Actual separation 46.0 Short 64.0 ( 26.0) km

Proposed facility OK toward West Virginia quite zone

Proposed facility OK toward Table Mountain

Proposed facility is within the Canadian coordination distance  
Distance to border = 395.7km

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

\*\*\*\*\*  
Start of Interference Analysis

Channel	Proposed Station	Call	City/State	ARN
07	WABC-TV	NEW YORK NY	BPCDT	WABCDT7APPB

### Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist (km)	Status	Application	Ref. No.
07	WJLA-TV	WASHINGTON DC	331.1	LIC	BLCDT	-20090615ABY
07	WJLA-TV	WASHINGTON DC	331.1	APP	BMPCDT	-20100624AHO
07	WXXA-DR	ALBANY NY	208.6	GRANT	BPRM	-20000718AAA
07	WXXA-TV	ALBANY NY	208.6	LIC	BLCDT	-20051222AAQ
07	WBNG-TV	BINGHAMTON NY	219.2	LIC	BLCDT	-20060329ACH
07	WWNY-TV	CARTHAGE NY	384.0	LIC	BLCDT	-20090622AGM
07	W07BV	WILKES-BARRE, ETC. PA	161.8	LIC	BLTVL	-19930202IE
08	WNJB	NEW BRUNSWICK NJ	45.9	APP	BMPEDT	-20100107ACX
08	WNJB	NEW BRUNSWICK NJ	45.9	CP MOD	BMPEDT	-20090729ACO
08	WNJB	NEW BRUNSWICK NJ	45.9	APP	BPCDT	-WNJBBDT4082
08	WNJB	NEW BRUNSWICK NJ	45.9	LIC	BPCDT	-WNJBAPPB202
08	WICZ-TV	BINGHAMTON NY	218.6	LIC	BLCDT	-20060320AFC

Stations 13 through 24 are identical to Stations 1 through 12. The listing and results for Stations 13 through 24 are not repeated here.



Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
07	WJLA-TV	WASHINGTON DC	BLCDT	-20090615ABY

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist (km)	Status	Application	Ref. No.
07	WBNG-TV	BINGHAMTON NY	358.4	LIC	BLCDT	-20060329ACH
07	WABC-TV	NEW YORK NY	331.1	APP	BPCDT	-WABCDT7APPB
07	WABC-TV	NEW YORK NY	326.8	PLN	DTVPLN	-DTVP0350
07	WNGS	SPRINGVILLE NY	425.2	CP MOD	BMPCDT	-20100322ABL
07	WHRE	VIRGINIA BEACH VA	243.4	LIC	BLCDT	-20090615ADP
07	WTRF-TV	WHEELING WV	338.3	CP MOD	BMPCDT	-20080620ALK
08	WWCP-TV	JOHNSTOWN PA	224.1	CP MOD	BMPCDT	-20080620AIX
08	WGAL	LANCASTER PA	126.8	APP	BPCDT	-20100111AER
08	WGAL	LANCASTER PA	126.8	CP	BPCDT	-20090710AKB
07	WBNG-TV	BINGHAMTON NY	358.4	LIC	BLCDT	-20060329ACH
07	WABC-TV	NEW YORK NY	331.1	APP	BPCDT	-WABCDT7APPB
07	WABC-TV	NEW YORK NY	326.8	PLN	DTVPLN	-DTVP0350
07	WNGS	SPRINGVILLE NY	425.2	CP MOD	BMPCDT	-20100322ABL
07	WHRE	VIRGINIA BEACH VA	243.4	LIC	BLCDT	-20090615ADP
07	WTRF-TV	WHEELING WV	338.3	CP MOD	BMPCDT	-20080620ALK
08	WWCP-TV	JOHNSTOWN PA	224.1	CP MOD	BMPCDT	-20080620AIX
08	WGAL	LANCASTER PA	126.8	APP	BPCDT	-20100111AER
08	WGAL	LANCASTER PA	126.8	CP	BPCDT	-20090710AKB

Total scenarios = 2

Result key: 1  
Scenario 1 Affected station 1  
Before Analysis

Results for: 7A DC WASHINGTON BLCDT 20090615ABY LIC  
HAAT 235.0 m, ATV ERP 30.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7732162	30007.6
not affected by terrain losses	7473493	27739.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	33139	540.1
lost to ATV IX only	33139	540.1
lost to all IX	33139	540.1

Potential Interfering Stations Included in above Scenario 1

7A NY BINGHAMTON	BLCDT	20060329ACH	LIC
7A VA VIRGINIA BEACH	BLCDT	20090615ADP	LIC
7A WV WHEELING	BMPCDT	20080620ALK	CP
8A PA LANCASTER	BPCDT	20090710AKB	CP
7A VA VIRGINIA BEACH	BLCDT	20090615ADP	LIC
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 7A DC WASHINGTON BLCDT 20090615ABY LIC  
HAAT 235.0 m, ATV ERP 30.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7732162	30007.6
not affected by terrain losses	7473493	27739.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	36423	572.1
lost to ATV IX only	36423	572.1
lost to all IX	36423	572.1

Potential Interfering Stations Included in above Scenario 1

7A NY BINGHAMTON	BLCDT	20060329ACH	LIC
7A VA VIRGINIA BEACH	BLCDT	20090615ADP	LIC
7A WV WHEELING	BMPCDT	20080620ALK	CP
8A PA LANCASTER	BPCDT	20090710AKB	CP
7A VA VIRGINIA BEACH	BLCDT	20090615ADP	LIC
7A NY NEW YORK	BPCDT	WABCDT7APPB	APP

Result key: 2  
Scenario 2 Affected station 1  
Before Analysis

Results for: 7A DC WASHINGTON BLCDT 20090615ABY LIC  
HAAT 235.0 m, ATV ERP 30.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7732162	30007.6
not affected by terrain losses	7473493	27739.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	36895	588.1
lost to ATV IX only	36895	588.1
lost to all IX	36895	588.1

Potential Interfering Stations Included in above Scenario 2

7A NY BINGHAMTON	BLCDT	20060329ACH	LIC
7A VA VIRGINIA BEACH	BLCDT	20090615ADP	LIC
7A WV WHEELING	BMPCDT	20080620ALK	CP
8A PA LANCASTER	BPCDT	20100111AER	APP
7A VA VIRGINIA BEACH	BLCDT	20090615ADP	LIC
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 7A DC WASHINGTON BLCDT 20090615ABY LIC  
HAAT 235.0 m, ATV ERP 30.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7732162	30007.6
not affected by terrain losses	7473493	27739.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	40179	620.1
lost to ATV IX only	40179	620.1
lost to all IX	40179	620.1

Potential Interfering Stations Included in above Scenario 2

7A NY BINGHAMTON	BLCDT	20060329ACH	LIC
7A VA VIRGINIA BEACH	BLCDT	20090615ADP	LIC
7A WV WHEELING	BMPCDT	20080620ALK	CP
8A PA LANCASTER	BPCDT	20100111AER	APP
7A VA VIRGINIA BEACH	BLCDT	20090615ADP	LIC
7A NY NEW YORK	BPCDT	WABCDT7APPB	APP

#####

Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
07	WJLA-TV	WASHINGTON DC	BMPCDT	-20100624AHO

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	WBNG-TV	BINGHAMTON NY	358.4	LIC	BLCDT	-20060329ACH
07	WABC-TV	NEW YORK NY	331.1	APP	BPCDT	-WABCDT7APPB
07	WABC-TV	NEW YORK NY	326.8	PLN	DTVPLN	-DTVP0350
07	WNGS	SPRINGVILLE NY	425.2	CP MOD	BMPCDT	-20100322ABL
07	WHRE	VIRGINIA BEACH VA	243.4	LIC	BLCDT	-20090615ADP
07	WTRF-TV	WHEELING WV	338.3	CP MOD	BMPCDT	-20080620ALK
08	WWCP-TV	JOHNSTOWN PA	224.1	CP MOD	BMPCDT	-20080620AIX
08	WGAL	LANCASTER PA	126.8	APP	BPCDT	-20100111AER
08	WGAL	LANCASTER PA	126.8	CP	BPCDT	-20090710AKB
07	WBNG-TV	BINGHAMTON NY	358.4	LIC	BLCDT	-20060329ACH
07	WABC-TV	NEW YORK NY	331.1	APP	BPCDT	-WABCDT7APPB
07	WABC-TV	NEW YORK NY	326.8	PLN	DTVPLN	-DTVP0350
07	WNGS	SPRINGVILLE NY	425.2	CP MOD	BMPCDT	-20100322ABL
07	WHRE	VIRGINIA BEACH VA	243.4	LIC	BLCDT	-20090615ADP
07	WTRF-TV	WHEELING WV	338.3	CP MOD	BMPCDT	-20080620ALK
08	WWCP-TV	JOHNSTOWN PA	224.1	CP MOD	BMPCDT	-20080620AIX
08	WGAL	LANCASTER PA	126.8	APP	BPCDT	-20100111AER
08	WGAL	LANCASTER PA	126.8	CP	BPCDT	-20090710AKB

Total scenarios = 2

Result key: 3  
 Scenario 1 Affected station 2  
 Before Analysis

Results for: 7A DC WASHINGTON BMPCDT 20100624AHO APP  
 HAAT 235.6 m, ATV ERP 52.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7915401	32792.1
not affected by terrain losses	7627629	30383.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	45447	788.1
lost to ATV IX only	45447	788.1
lost to all IX	45447	788.1

Potential Interferring Stations Included in above Scenario 1

7A NY BINGHAMTON	BLCDDT	20060329ACH	LIC
7A VA VIRGINIA BEACH	BLCDDT	20090615ADP	LIC
7A WV WHEELING	BMPCDT	20080620ALK	CP
8A PA LANCASTER	BPCDDT	20090710AKB	CP
7A VA VIRGINIA BEACH	BLCDDT	20090615ADP	LIC
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 7A DC WASHINGTON BMPCDT 20100624AHO APP  
 HAAT 235.6 m, ATV ERP 52.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7915401	32792.1
not affected by terrain losses	7627629	30383.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	50121	860.1
lost to ATV IX only	50121	860.1
lost to all IX	50121	860.1

Potential Interferring Stations Included in above Scenario 1

7A NY BINGHAMTON	BLCDDT	20060329ACH	LIC
7A VA VIRGINIA BEACH	BLCDDT	20090615ADP	LIC
7A WV WHEELING	BMPCDT	20080620ALK	CP
8A PA LANCASTER	BPCDDT	20090710AKB	CP
7A VA VIRGINIA BEACH	BLCDDT	20090615ADP	LIC
7A NY NEW YORK	BPCDDT	WABCDT7APPB	APP

Result key: 4  
 Scenario 2 Affected station 2  
 Before Analysis

Results for: 7A DC WASHINGTON BMPCDT 20100624AHO APP  
 HAAT 235.6 m, ATV ERP 52.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7915401	32792.1
not affected by terrain losses	7627629	30383.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	52466	852.1
lost to ATV IX only	52466	852.1
lost to all IX	52466	852.1

Potential Interferring Stations Included in above Scenario 2

7A NY BINGHAMTON	BLCDDT	20060329ACH	LIC
7A VA VIRGINIA BEACH	BLCDDT	20090615ADP	LIC
7A WV WHEELING	BMPCDT	20080620ALK	CP
8A PA LANCASTER	BPCDDT	20100111AER	APP
7A VA VIRGINIA BEACH	BLCDDT	20090615ADP	LIC
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 7A DC WASHINGTON BMPCDT 20100624AHO APP  
 HAAT 235.6 m, ATV ERP 52.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7915401	32792.1
not affected by terrain losses	7627629	30383.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	56823	920.1
lost to ATV IX only	56823	920.1
lost to all IX	56823	920.1

Potential Interferring Stations Included in above Scenario 2

7A NY BINGHAMTON	BLCDDT	20060329ACH	LIC
7A VA VIRGINIA BEACH	BLCDDT	20090615ADP	LIC
7A WV WHEELING	BMPCDT	20080620ALK	CP
8A PA LANCASTER	BPCDDT	20100111AER	APP
7A VA VIRGINIA BEACH	BLCDDT	20090615ADP	LIC
7A NY NEW YORK	BPCDDT	WABCDT7APPB	APP

#####

Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application Ref. No.
07	WXXA-DR	ALBANY NY	BPRM -20000718AAA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
07	WBNG-TV	BINGHAMTON NY	171.5	LIC	BLCDDT -20060329ACH
07	WVNY-TV	CARTHAGE NY	202.8	LIC	BLCDDT -20090622AGM
07	WABC-TV	NEW YORK NY	208.6	APP	BPCDDT -WABCDT7APPB
07	WABC-TV	NEW YORK NY	212.7	PLN	DTVPLN -DTVP0350
07	WNGS-DM	SPRINGVILLE NY	376.9	APP	BPRM -20060619ABL
07	WNGS	SPRINGVILLE NY	385.6	CP MOD	BMPCDDT -20100322ABL
08	WNJB	NEW BRUNSWICK NJ	226.5	APP	BMPEDT -20100107ACX
08	WNJB	NEW BRUNSWICK NJ	226.5	CP MOD	BMPEDT -20090729ACO
08	WNJB	NEW BRUNSWICK NJ	226.5	APP	BPCDDT -WNJBDDT4082
08	WNJB	NEW BRUNSWICK NJ	226.5	LIC	BPCDDT -WNJBAPPB202
08	WICZ-TV	BINGHAMTON NY	171.0	LIC	BLCDDT -20060320AFC
07	WBNG-TV	BINGHAMTON NY	171.5	LIC	BLCDDT -20060329ACH
07	WVNY-TV	CARTHAGE NY	202.8	LIC	BLCDDT -20090622AGM
07	WABC-TV	NEW YORK NY	208.6	APP	BPCDDT -WABCDT7APPB
07	WABC-TV	NEW YORK NY	212.7	PLN	DTVPLN -DTVP0350
07	WNGS-DM	SPRINGVILLE NY	376.9	APP	BPRM -20060619ABL
07	WNGS	SPRINGVILLE NY	385.6	CP MOD	BMPCDDT -20100322ABL
08	WNJB	NEW BRUNSWICK NJ	226.5	APP	BMPEDT -20100107ACX
08	WNJB	NEW BRUNSWICK NJ	226.5	CP MOD	BMPEDT -20090729ACO
08	WNJB	NEW BRUNSWICK NJ	226.5	APP	BPCDDT -WNJBDDT4082
08	WNJB	NEW BRUNSWICK NJ	226.5	LIC	BPCDDT -WNJBAPPB202
08	WICZ-TV	BINGHAMTON NY	171.0	LIC	BLCDDT -20060320AFC

Total scenarios = 2

Result key: 5  
Scenario 1 Affected station 3  
Before Analysis

Results for: 7A NY ALBANY BPRM 20000718AAA GRA

HAAT 434.0 m, ATV ERP 10.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	1642431	32762.3
not affected by terrain losses	1505243	27588.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	14774	1286.4
lost to ATV IX only	14774	1286.4
lost to all IX	14774	1286.4

Potential Interfering Stations Included in above Scenario 1

7A NY BINGHAMTON	BLCDDT	20060329ACH	LIC
7A NY CARTHAGE	BLCDDT	20090622AGM	LIC
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 7A NY ALBANY BPRM 20000718AAA GRA  
 HAAT 434.0 m, ATV ERP 10.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1642431	32762.3
not affected by terrain losses	1505243	27588.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	21035	1567.0
lost to ATV IX only	21035	1567.0
lost to all IX	21035	1567.0

Potential Interferring Stations Included in above Scenario 1

7A NY BINGHAMTON	BLCDDT	20060329ACH	LIC
7A NY CARTHAGE	BLCDDT	20090622AGM	LIC
7A NY NEW YORK	BPCDDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDDT WABCDT7APPB  
 ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
 Antenna 9999999999999999

Due to interference to the following station and scenario: 1

7D NY ALBANY BPRM 20000718AAA  
 ERP 10.00 kW HAAT 434.0 m RCAMSL 692.0 m  
 Antenna 9999999999999999

Percent Service lost without proposal:	0.0	to BPRM	20000718AAA
Percent Service lost with proposal:	0.420	to BPRM	20000718AAA

Result key: 6  
 Scenario 2 Affected station 3  
 Before Analysis

Results for: 7A NY ALBANY BPRM 20000718AAA GRA  
 HAAT 434.0 m, ATV ERP 10.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1642431	32762.3
not affected by terrain losses	1505243	27588.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	14774	1286.4
lost to ATV IX only	14774	1286.4
lost to all IX	14774	1286.4

Potential Interferring Stations Included in above Scenario 2

7A NY BINGHAMTON	BLCDDT	20060329ACH	LIC
7A NY CARTHAGE	BLCDDT	20090622AGM	LIC
7A NY SPRINGVILLE	BPRM	20060619ABL	APP
7A NY NEW YORK	DTVPLN	DTVP0350	PLN



After Analysis

Results for: 7A NY ALBANY BPRM 20000718AAA GRA  
HAAT 434.0 m, ATV ERP 10.0 kW  
POPULATION AREA (sq km)  
within Noise Limited Contour 1642431 32762.3  
not affected by terrain losses 1505243 27588.4  
lost to NTSC IX 0 0.0  
lost to additional IX by ATV 21035 1567.0  
lost to ATV IX only 21035 1567.0  
lost to all IX 21035 1567.0

Potential Interfering Stations Included in above Scenario 2

7A NY BINGHAMTON BLC DT 20060329ACH LIC  
7A NY CARTHAGE BLC DT 20090622AGM LIC  
7A NY SPRINGVILLE BPRM 20060619ABL APP  
7A NY NEW YORK BPCDT WABCDT7APPB APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDT WABCDT7APPB  
ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
Antenna 9999999999999999

Due to interference to the following station and scenario: 2

7D NY ALBANY BPRM 20000718AAA  
ERP 10.00 kW HAAT 434.0 m RCAMSL 692.0 m  
Antenna 9999999999999999

Percent Service lost without proposal: 0.0 to BPRM 20000718AAA  
Percent Service lost with proposal: 0.420 to BPRM 20000718AAA

Proposed station is MX

7A NY NEW YORK BPCDT WABCDT7APPB APP  
7A NY ALBANY BPRM 20000718AAA GRA

Proposal MX with BPRM 20000718AAA scenario 1 of station 3

#####

Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
07	WXXA-TV	ALBANY NY	BLCDDT	-20051222AAQ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist (km)	Status	Application	Ref. No.
07	WBNG-TV	BINGHAMTON NY	171.5	LIC	BLCDDT	-20060329ACH
07	WVNY-TV	CARTHAGE NY	202.8	LIC	BLCDDT	-20090622AGM
07	WABC-TV	NEW YORK NY	208.6	APP	BPCDDT	-WABCDT7APPB
07	WABC-TV	NEW YORK NY	212.7	PLN	DTVPLN	-DTVP0350
07	WNGS-DM	SPRINGVILLE NY	376.9	APP	BPRM	-20060619ABL
07	WNGS	SPRINGVILLE NY	385.6	CP MOD	BMPCDDT	-20100322ABL
08	WNJB	NEW BRUNSWICK NJ	226.5	APP	BMPEDT	-20100107ACX
08	WNJB	NEW BRUNSWICK NJ	226.5	CP MOD	BMPEDT	-20090729ACO
08	WNJB	NEW BRUNSWICK NJ	226.5	APP	BPCDDT	-WNJBDDT4082
08	WNJB	NEW BRUNSWICK NJ	226.5	LIC	BPCDDT	-WNJBAPPB202
08	WICZ-TV	BINGHAMTON NY	171.0	LIC	BLCDDT	-20060320AFC
07	WBNG-TV	BINGHAMTON NY	171.5	LIC	BLCDDT	-20060329ACH
07	WVNY-TV	CARTHAGE NY	202.8	LIC	BLCDDT	-20090622AGM
07	WABC-TV	NEW YORK NY	208.6	APP	BPCDDT	-WABCDT7APPB
07	WABC-TV	NEW YORK NY	212.7	PLN	DTVPLN	-DTVP0350
07	WNGS-DM	SPRINGVILLE NY	376.9	APP	BPRM	-20060619ABL
07	WNGS	SPRINGVILLE NY	385.6	CP MOD	BMPCDDT	-20100322ABL
08	WNJB	NEW BRUNSWICK NJ	226.5	APP	BMPEDT	-20100107ACX
08	WNJB	NEW BRUNSWICK NJ	226.5	CP MOD	BMPEDT	-20090729ACO
08	WNJB	NEW BRUNSWICK NJ	226.5	APP	BPCDDT	-WNJBDDT4082
08	WNJB	NEW BRUNSWICK NJ	226.5	LIC	BPCDDT	-WNJBAPPB202
08	WICZ-TV	BINGHAMTON NY	171.0	LIC	BLCDDT	-20060320AFC

Total scenarios = 2

Result key: 7  
Scenario 1 Affected station 4  
Before Analysis

Results for: 7A NY ALBANY BLCDDT 20051222AAQ LIC

HAAT 434.0 m, ATV ERP 10.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	1642431	32762.3
not affected by terrain losses	1505243	27588.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	14774	1286.4
lost to ATV IX only	14774	1286.4
lost to all IX	14774	1286.4

Potential Interfering Stations Included in above Scenario 1

7A NY BINGHAMTON	BLCDDT	20060329ACH	LIC
7A NY CARTHAGE	BLCDDT	20090622AGM	LIC
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 7A NY ALBANY BLCDT 20051222AAQ LIC  
HAAT 434.0 m, ATV ERP 10.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1642431	32762.3
not affected by terrain losses	1505243	27588.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	21035	1567.0
lost to ATV IX only	21035	1567.0
lost to all IX	21035	1567.0

Potential Interfering Stations Included in above Scenario 1

7A NY BINGHAMTON	BLCDT	20060329ACH	LIC
7A NY CARTHAGE	BLCDT	20090622AGM	LIC
7A NY NEW YORK	BPCDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDT WABCDT7APPB  
ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
Antenna 999999999999999

Due to interference to the following station and scenario: 1

7D NY ALBANY BLCDT 20051222AAQ  
ERP 10.00 kW HAAT 434.0 m RCAMSL 692.0 m  
Antenna 999999999999999

Percent Service lost without proposal:	0.0	to BPRM	20000718AAA
Percent Service lost with proposal:	0.420	to BPRM	20000718AAA

Result key: 8  
Scenario 2 Affected station 4  
Before Analysis

Results for: 7A NY ALBANY BLCDT 20051222AAQ LIC  
HAAT 434.0 m, ATV ERP 10.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1642431	32762.3
not affected by terrain losses	1505243	27588.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	14774	1286.4
lost to ATV IX only	14774	1286.4
lost to all IX	14774	1286.4

Potential Interfering Stations Included in above Scenario 2

7A NY BINGHAMTON	BLCDT	20060329ACH	LIC
7A NY CARTHAGE	BLCDT	20090622AGM	LIC
7A NY SPRINGVILLE	BPRM	20060619ABL	APP
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 7A NY ALBANY                      BLCDT              20051222AAQ    LIC  
         HAAT 434.0 m, ATV ERP 10.0 kW  
                                 POPULATION      AREA (sq km)  
within Noise Limited Contour      1642431      32762.3  
not affected by terrain losses      1505243      27588.4  
lost to NTSC IX                      0              0.0  
lost to additional IX by ATV              21035      1567.0  
lost to ATV IX only                      21035      1567.0  
lost to all IX                          21035      1567.0

Potential Interferring Stations Included in above Scenario      2

7A NY BINGHAMTON                      BLCDT              20060329ACH    LIC  
7A NY CARTHAGE                        BLCDT              20090622AGM    LIC  
7A NY SPRINGVILLE                    BPRM               20060619ABL    APP  
7A NY NEW YORK                        BPCDT              WABCDT7APPB    APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK                        BPCDT              WABCDT7APPB  
ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
Antenna 9999999999999999

Due to interference to the following station and scenario:      2

7D NY ALBANY                            BLCDT              20051222AAQ  
ERP 10.00 kW HAAT 434.0 m RCAMSL 692.0 m  
Antenna 9999999999999999

Percent Service lost without proposal:      0.0      to BPRM              20000718AAA  
Percent Service lost with proposal:      0.420      to BPRM              20000718AAA

#####

Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
07	WBNG-TV	BINGHAMTON NY	BLCDT	-20060329ACH

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist (km)	Status	Application	Ref. No.
07	WJLA-TV	WASHINGTON DC	358.4	LIC	BLCDT	-20090615ABY
07	WJLA-TV	WASHINGTON DC	358.4	APP	BMPCDT	-20100624AHO
07	WXXA-DR	ALBANY NY	171.5	GRANT	BPRM	-20000718AAA
07	WXXA-TV	ALBANY NY	171.5	LIC	BLCDT	-20051222AAQ
07	WWNY-TV	CARTHAGE NY	211.5	LIC	BLCDT	-20090622AGM
07	WABC-TV	NEW YORK NY	219.2	APP	BPCDT	-WABCDT7APPB
07	WABC-TV	NEW YORK NY	220.3	PLN	DTVPLN	-DTVP0350
07	WNGS-DM	SPRINGVILLE NY	228.4	APP	BPRM	-20060619ABL
07	WNGS	SPRINGVILLE NY	234.7	CP MOD	BMPCDT	-20100322ABL
08	WNJB	NEW BRUNSWICK NJ	200.3	APP	BMPEDT	-20100107ACX
08	WNJB	NEW BRUNSWICK NJ	200.3	CP MOD	BMPEDT	-20090729ACO
08	WNJB	NEW BRUNSWICK NJ	200.3	APP	BPCDT	-WNJBBDT4082
08	WNJB	NEW BRUNSWICK NJ	200.3	LIC	BPCDT	-WNJBAPPB202
08	WICZ-TV	BINGHAMTON NY	0.7	LIC	BLCDT	-20060320AFC
07	WJLA-TV	WASHINGTON DC	358.4	LIC	BLCDT	-20090615ABY
07	WJLA-TV	WASHINGTON DC	358.4	APP	BMPCDT	-20100624AHO
07	WXXA-DR	ALBANY NY	171.5	GRANT	BPRM	-20000718AAA
07	WXXA-TV	ALBANY NY	171.5	LIC	BLCDT	-20051222AAQ
07	WWNY-TV	CARTHAGE NY	211.5	LIC	BLCDT	-20090622AGM
07	WABC-TV	NEW YORK NY	219.2	APP	BPCDT	-WABCDT7APPB
07	WABC-TV	NEW YORK NY	220.3	PLN	DTVPLN	-DTVP0350
07	WNGS-DM	SPRINGVILLE NY	228.4	APP	BPRM	-20060619ABL
07	WNGS	SPRINGVILLE NY	234.7	CP MOD	BMPCDT	-20100322ABL
08	WNJB	NEW BRUNSWICK NJ	200.3	APP	BMPEDT	-20100107ACX
08	WNJB	NEW BRUNSWICK NJ	200.3	CP MOD	BMPEDT	-20090729ACO
08	WNJB	NEW BRUNSWICK NJ	200.3	APP	BPCDT	-WNJBBDT4082
08	WNJB	NEW BRUNSWICK NJ	200.3	LIC	BPCDT	-WNJBAPPB202
08	WICZ-TV	BINGHAMTON NY	0.7	LIC	BLCDT	-20060320AFC

Total scenarios = 5

Result key: 9  
Scenario 1 Affected station 5  
Before Analysis

Results for: 7A NY BINGHAMTON BLCDT 20060329ACH LIC  
HAAT 342.0 m, ATV ERP 20.4 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1412333	32375.5
not affected by terrain losses	1021191	28092.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	22318	1003.7
lost to ATV IX only	22318	1003.7
lost to all IX	22318	1003.7

Potential Interferring Stations Included in above Scenario 1

7A DC WASHINGTON	BLCDT	20090615ABY	LIC
7A NY ALBANY	BLCDT	20051222AAQ	LIC
7A NY CARTHAGE	BLCDT	20090622AGM	LIC
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 7A NY BINGHAMTON BLCDT 20060329ACH LIC  
HAAT 342.0 m, ATV ERP 20.4 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1412333	32375.5
not affected by terrain losses	1021191	28092.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	27293	1175.7
lost to ATV IX only	27293	1175.7
lost to all IX	27293	1175.7

Potential Interferring Stations Included in above Scenario 1

7A DC WASHINGTON	BLCDT	20090615ABY	LIC
7A NY ALBANY	BLCDT	20051222AAQ	LIC
7A NY CARTHAGE	BLCDT	20090622AGM	LIC
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
7A NY NEW YORK	BPCDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDT WABCDT7APPB  
ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
Antenna 9999999999999999

Due to interference to the following station and scenario: 1  
7D NY BINGHAMTON BLCDT 20060329ACH  
ERP 20.40 kW HAAT 342.0 m RCAMSL 739.2 m  
Antenna 9999999999999999

Percent Service lost without proposal:	0.0	to BLCDT	20060329ACH
Percent Service lost with proposal:	0.498	to BLCDT	20060329ACH

Result key: 10  
Scenario 2 Affected station 5  
Before Analysis

Results for: 7A NY BINGHAMTON BLCDT 20060329ACH LIC  
HAAT 342.0 m, ATV ERP 20.4 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1412333	32375.5
not affected by terrain losses	1021191	28092.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	24818	1151.7
lost to ATV IX only	24818	1151.7
lost to all IX	24818	1151.7

Potential Interfering Stations Included in above Scenario 2

7A DC WASHINGTON	BLCDT	20090615ABY	LIC
7A NY ALBANY	BPRM	20000718AAA	GRA
7A NY CARTHAGE	BLCDT	20090622AGM	LIC
7A NY SPRINGVILLE	BPRM	20060619ABL	APP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 7A NY BINGHAMTON BLCDT 20060329ACH LIC  
HAAT 342.0 m, ATV ERP 20.4 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1412333	32375.5
not affected by terrain losses	1021191	28092.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	29430	1311.7
lost to ATV IX only	29430	1311.7
lost to all IX	29430	1311.7

Potential Interfering Stations Included in above Scenario 2

7A DC WASHINGTON	BLCDT	20090615ABY	LIC
7A NY ALBANY	BPRM	20000718AAA	GRA
7A NY CARTHAGE	BLCDT	20090622AGM	LIC
7A NY SPRINGVILLE	BPRM	20060619ABL	APP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
7A NY NEW YORK	BPCDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDT WABCDT7APPB  
ERP 26.90 kW HAAT 405.0 m RCMSL 418.5 m  
Antenna 9999999999999999

Due to interference to the following station and scenario: 2

7D NY BINGHAMTON BLCDT 20060329ACH  
ERP 20.40 kW HAAT 342.0 m RCMSL 739.2 m  
Antenna 9999999999999999

Percent Service lost without proposal:	0.0	to BLCDT	20060329ACH
Percent Service lost with proposal:	0.463	to BLCDT	20060329ACH

Result key: 11  
Scenario 3 Affected station 5  
Before Analysis

Results for: 7A NY BINGHAMTON BLCDT 20060329ACH LIC  
HAAT 342.0 m, ATV ERP 20.4 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1412333	32375.5
not affected by terrain losses	1021191	28092.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	24818	1151.7
lost to ATV IX only	24818	1151.7
lost to all IX	24818	1151.7

Potential Interferring Stations Included in above Scenario 3

7A DC WASHINGTON	BLCDT	20090615ABY	LIC
7A NY ALBANY	BLCDT	20051222AAQ	LIC
7A NY CARTHAGE	BLCDT	20090622AGM	LIC
7A NY SPRINGVILLE	BPRM	20060619ABL	APP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 7A NY BINGHAMTON BLCDT 20060329ACH LIC  
HAAT 342.0 m, ATV ERP 20.4 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1412333	32375.5
not affected by terrain losses	1021191	28092.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	29430	1311.7
lost to ATV IX only	29430	1311.7
lost to all IX	29430	1311.7

Potential Interferring Stations Included in above Scenario 3

7A DC WASHINGTON	BLCDT	20090615ABY	LIC
7A NY ALBANY	BLCDT	20051222AAQ	LIC
7A NY CARTHAGE	BLCDT	20090622AGM	LIC
7A NY SPRINGVILLE	BPRM	20060619ABL	APP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
7A NY NEW YORK	BPCDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDT WABCDT7APPB  
ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
Antenna 9999999999999999

Due to interference to the following station and scenario: 3

7D NY BINGHAMTON BLCDT 20060329ACH  
ERP 20.40 kW HAAT 342.0 m RCAMSL 739.2 m  
Antenna 9999999999999999

Percent Service lost without proposal:	0.0	to BLCDT	20060329ACH
Percent Service lost with proposal:	0.463	to BLCDT	20060329ACH



Result key: 12  
Scenario 4 Affected station 5  
Before Analysis

Results for: 7A NY BINGHAMTON BLCDT 20060329ACH LIC  
HAAT 342.0 m, ATV ERP 20.4 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1412333	32375.5
not affected by terrain losses	1021191	28092.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	25020	1163.7
lost to ATV IX only	25020	1163.7
lost to all IX	25020	1163.7

Potential Interfering Stations Included in above Scenario 4

7A DC WASHINGTON	BMPCDT	20100624AHO	APP
7A NY ALBANY	BPRM	20000718AAA	GRA
7A NY CARTHAGE	BLCDT	20090622AGM	LIC
7A NY SPRINGVILLE	BPRM	20060619ABL	APP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 7A NY BINGHAMTON BLCDT 20060329ACH LIC  
HAAT 342.0 m, ATV ERP 20.4 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1412333	32375.5
not affected by terrain losses	1021191	28092.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	29430	1319.7
lost to ATV IX only	29430	1319.7
lost to all IX	29430	1319.7

Potential Interfering Stations Included in above Scenario 4

7A DC WASHINGTON	BMPCDT	20100624AHO	APP
7A NY ALBANY	BPRM	20000718AAA	GRA
7A NY CARTHAGE	BLCDT	20090622AGM	LIC
7A NY SPRINGVILLE	BPRM	20060619ABL	APP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
7A NY NEW YORK	BPCDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDT WABCDT7APPB  
ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
Antenna 99999999999999

Due to interference to the following station and scenario: 4

7D NY BINGHAMTON BLCDT 20060329ACH  
ERP 20.40 kW HAAT 342.0 m RCAMSL 739.2 m  
Antenna 99999999999999

Percent Service lost without proposal: 0.0 to BLCDT 20060329ACH  
Percent Service lost with proposal: 0.443 to BLCDT 20060329ACH

Result key: 13  
Scenario 5 Affected station 5  
Before Analysis

Results for: 7A NY BINGHAMTON BLCDT 20060329ACH LIC  
HAAT 342.0 m, ATV ERP 20.4 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1412333	32375.5
not affected by terrain losses	1021191	28092.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	25020	1163.7
lost to ATV IX only	25020	1163.7
lost to all IX	25020	1163.7

Potential Interfering Stations Included in above Scenario 5

7A DC WASHINGTON	BMPCDT	20100624AHO	APP
7A NY ALBANY	BLCDT	20051222AAQ	LIC
7A NY CARTHAGE	BLCDT	20090622AGM	LIC
7A NY SPRINGVILLE	BPRM	20060619ABL	APP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 7A NY BINGHAMTON BLCDT 20060329ACH LIC  
HAAT 342.0 m, ATV ERP 20.4 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1412333	32375.5
not affected by terrain losses	1021191	28092.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	29430	1319.7
lost to ATV IX only	29430	1319.7
lost to all IX	29430	1319.7

Potential Interfering Stations Included in above Scenario 5

7A DC WASHINGTON	BMPCDT	20100624AHO	APP
7A NY ALBANY	BLCDT	20051222AAQ	LIC
7A NY CARTHAGE	BLCDT	20090622AGM	LIC
7A NY SPRINGVILLE	BPRM	20060619ABL	APP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
7A NY NEW YORK	BPCDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDT WABCDT7APPB  
ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
Antenna 99999999999999

Due to interference to the following station and scenario: 5

7D NY BINGHAMTON BLCDT 20060329ACH  
ERP 20.40 kW HAAT 342.0 m RCAMSL 739.2 m  
Antenna 99999999999999

Percent Service lost without proposal: 0.0 to BLCDT 20060329ACH  
Percent Service lost with proposal: 0.443 to BLCDT 20060329ACH

#####

Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
07	WWNY-TV	CARTHAGE NY	BLCDT	-20090622AGM

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist (km)	Status	Application	Ref. No.
07	WXXA-DR	ALBANY NY	202.8	GRANT	BPRM	-20000718AAA
07	WXXA-TV	ALBANY NY	202.8	LIC	BLCDT	-20051222AAQ
07	WBNG-TV	BINGHAMTON NY	211.5	LIC	BLCDT	-20060329ACH
07	WABC-TV	NEW YORK NY	384.0	APP	BPCDT	-WABCDT7APPB
07	WABC-TV	NEW YORK NY	386.9	PLN	DTVPLN	-DTVP0350
07	WNGS-DM	SPRINGVILLE NY	275.8	APP	BPRM	-20060619ABL
07	WNGS	SPRINGVILLE NY	287.2	CP MOD	BMPCDT	-20100322ABL
08	WICZ-TV	BINGHAMTON NY	211.7	LIC	BLCDT	-20060320AFC
07	WXXA-DR	ALBANY NY	202.8	GRANT	BPRM	-20000718AAA
07	WXXA-TV	ALBANY NY	202.8	LIC	BLCDT	-20051222AAQ
07	WBNG-TV	BINGHAMTON NY	211.5	LIC	BLCDT	-20060329ACH
07	WABC-TV	NEW YORK NY	384.0	APP	BPCDT	-WABCDT7APPB
07	WABC-TV	NEW YORK NY	386.9	PLN	DTVPLN	-DTVP0350
07	WNGS-DM	SPRINGVILLE NY	275.8	APP	BPRM	-20060619ABL
07	WNGS	SPRINGVILLE NY	287.2	CP MOD	BMPCDT	-20100322ABL
08	WICZ-TV	BINGHAMTON NY	211.7	LIC	BLCDT	-20060320AFC

Proposal causes no interference

#####

Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application Ref. No.
07	W07BV	WILKES-BARRE, ETC. PA	BLTVL -19930202IE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist (km)	Status	Application Ref. No.
07	WJLA-TV	WASHINGTON DC	271.9	LIC	BLCDDT -20090615ABY
07	WJLA-TV	WASHINGTON DC	271.9	APP	BMPCDDT -20100624AHO
07	WXXA-DR	ALBANY NY	218.1	GRANT	BPRM -20000718AAA
07	WXXA-TV	ALBANY NY	218.1	LIC	BLCDDT -20051222AAQ
07	WBNG-TV	BINGHAMTON NY	96.2	LIC	BLCDDT -20060329ACH
07	WWNY-TV	CARTHAGE NY	306.4	LIC	BLCDDT -20090622AGM
07	WABC-TV	NEW YORK NY	161.8	CP	BPCDDT -20080529AJT
07	WABC-TV	NEW YORK NY	161.8	APP	BPCDDT -WABCDT7APPB
07	WABC-TV	NEW YORK NY	161.0	PLN	DTVPLN -DTVP0350
07	WNGS-DM	SPRINGVILLE NY	281.4	APP	BPRM -20060619ABL
07	WNGS	SPRINGVILLE NY	284.4	CP MOD	BMPCDDT -20100322ABL
08	WNJB	NEW BRUNSWICK NJ	127.8	APP	BMPEDT -20100107ACX
08	WNJB	NEW BRUNSWICK NJ	127.8	CP MOD	BMPEDT -20090729ACO
08	WNJB	NEW BRUNSWICK NJ	127.8	APP	BPCDDT -WNJBBDT4082
08	WNJB	NEW BRUNSWICK NJ	127.8	LIC	BPCDDT -WNJBAPPB202
08	WICZ-TV	BINGHAMTON NY	95.9	LIC	BLCDDT -20060320AFC
07	WJLA-TV	WASHINGTON DC	271.9	LIC	BLCDDT -20090615ABY
07	WJLA-TV	WASHINGTON DC	271.9	APP	BMPCDDT -20100624AHO
07	WXXA-DR	ALBANY NY	218.1	GRANT	BPRM -20000718AAA
07	WXXA-TV	ALBANY NY	218.1	LIC	BLCDDT -20051222AAQ
07	WBNG-TV	BINGHAMTON NY	96.2	LIC	BLCDDT -20060329ACH
07	WWNY-TV	CARTHAGE NY	306.4	LIC	BLCDDT -20090622AGM
07	WABC-TV	NEW YORK NY	161.8	CP	BPCDDT -20080529AJT
07	WABC-TV	NEW YORK NY	161.8	APP	BPCDDT -WABCDT7APPB
07	WABC-TV	NEW YORK NY	161.0	PLN	DTVPLN -DTVP0350
07	WNGS-DM	SPRINGVILLE NY	281.4	APP	BPRM -20060619ABL
07	WNGS	SPRINGVILLE NY	284.4	CP MOD	BMPCDDT -20100322ABL
08	WNJB	NEW BRUNSWICK NJ	127.8	APP	BMPEDT -20100107ACX
08	WNJB	NEW BRUNSWICK NJ	127.8	CP MOD	BMPEDT -20090729ACO
08	WNJB	NEW BRUNSWICK NJ	127.8	APP	BPCDDT -WNJBBDT4082
08	WNJB	NEW BRUNSWICK NJ	127.8	LIC	BPCDDT -WNJBAPPB202
08	WICZ-TV	BINGHAMTON NY	95.9	LIC	BLCDDT -20060320AFC

Proposal causes no interference

#####

Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application Ref. No.
08	WNJB	NEW BRUNSWICK NJ	BMPEDT -20100107ACX

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist (km)	Status	Application Ref. No.
07	WXXA-DR	ALBANY NY	226.5	GRANT	BPRM -20000718AAA
07	WXXA-TV	ALBANY NY	226.5	LIC	BLCDDT -20051222AAQ
07	WBNG-TV	BINGHAMTON NY	200.3	LIC	BLCDDT -20060329ACH
07	WABC-TV	NEW YORK NY	45.9	APP	BPCDDT -WABCDT7APPB
07	WABC-TV	NEW YORK NY	42.6	PLN	DTVPLN -DTVP0350
08	WICZ-TV	BINGHAMTON NY	199.7	LIC	BLCDDT -20060320AFC
08	WWCP-TV	JOHNSTOWN PA	396.3	CP MOD	BMPCDDT -20080620AIX
08	WGAL	LANCASTER PA	190.7	APP	BPCDDT -20100111AER
08	WGAL	LANCASTER PA	190.7	CP	BPCDDT -20090710AKB
09	WEDN	NORWICH CT	219.8	LIC	BLEDT -20090618ACB
09	WEDN-DR	NORWICH CT	219.8	APP	BPRM -20040109AEI
09	WBPH-TV	BETHLEHEM PA	79.2	CP	BPCDDT -20080619ALA
09	WBPH-DT	BETHLEHEM PA	79.2	GRANT	BPRM -20011130AHC
09	WBPH-TV	BETHLEHEM PA	79.2	LIC	BLCDDT -20060609AAH
09	WBPH-TV	BETHLEHEM PA	78.8	APP	BMPCDDT -20100105AAH
09	WBPH-TV	BETHLEHEM PA	78.8	APP	BMPCDDT -20100105AAH
07	WXXA-DR	ALBANY NY	226.5	GRANT	BPRM -20000718AAA
07	WXXA-TV	ALBANY NY	226.5	LIC	BLCDDT -20051222AAQ
07	WBNG-TV	BINGHAMTON NY	200.3	LIC	BLCDDT -20060329ACH
07	WABC-TV	NEW YORK NY	45.9	APP	BPCDDT -WABCDT7APPB
07	WABC-TV	NEW YORK NY	42.6	PLN	DTVPLN -DTVP0350
08	WICZ-TV	BINGHAMTON NY	199.7	LIC	BLCDDT -20060320AFC
08	WWCP-TV	JOHNSTOWN PA	396.3	CP MOD	BMPCDDT -20080620AIX
08	WGAL	LANCASTER PA	190.7	APP	BPCDDT -20100111AER
08	WGAL	LANCASTER PA	190.7	CP	BPCDDT -20090710AKB
09	WEDN	NORWICH CT	219.8	LIC	BLEDT -20090618ACB
09	WEDN-DR	NORWICH CT	219.8	APP	BPRM -20040109AEI
09	WBPH-TV	BETHLEHEM PA	79.2	CP	BPCDDT -20080619ALA
09	WBPH-DT	BETHLEHEM PA	79.2	GRANT	BPRM -20011130AHC
09	WBPH-TV	BETHLEHEM PA	79.2	LIC	BLCDDT -20060609AAH
09	WBPH-TV	BETHLEHEM PA	78.8	APP	BMPCDDT -20100105AAH
09	WBPH-TV	BETHLEHEM PA	78.8	APP	BMPCDDT -20100105AAH

Total scenarios = 10

Result key: 14  
Scenario 1 Affected station 8  
Before Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20100107ACX APP  
HAAT 218.0 m, ATV ERP 21.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19509672	23795.2
not affected by terrain losses	18936450	21517.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2307499	2541.4
lost to ATV IX only	2307499	2541.4
lost to all IX	2307499	2541.4

Potential Interfering Stations Included in above Scenario 1

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20090710AKB	CP
9A PA BETHLEHEM	BPCDT	20080619ALA	CP
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20100107ACX APP  
HAAT 218.0 m, ATV ERP 21.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19509672	23795.2
not affected by terrain losses	18936450	21517.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5363113	3508.3
lost to ATV IX only	5363113	3508.3
lost to all IX	5363113	3508.3

Potential Interfering Stations Included in above Scenario 1

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20090710AKB	CP
9A PA BETHLEHEM	BPCDT	20080619ALA	CP
7A NY NEW YORK	BPCDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDT WABCDT7APPB  
ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
Antenna 99999999999999

Due to interference to the following station and scenario: 1

8D NJ NEW BRUNSWICK BMPEDT 20100107ACX  
ERP 21.72 kW HAAT 218.0 m RCAMSL 281.0 m  
Antenna CDB 0000000097418

Percent Service lost without proposal:	0.0	to BMPEDT	20100107ACX
Percent Service lost with proposal:	18.4	to BMPEDT	20100107ACX

Result key: 15  
 Scenario 2 Affected station 8  
 Before Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20100107ACX APP  
 HAAT 218.0 m, ATV ERP 21.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19509672	23795.2
not affected by terrain losses	18936450	21517.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2236431	2081.8
lost to ATV IX only	2236431	2081.8
lost to all IX	2236431	2081.8

Potential Interfering Stations Included in above Scenario 2

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20090710AKB	CP
9A PA BETHLEHEM	BLCDT	20060609AAH	LIC
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20100107ACX APP  
 HAAT 218.0 m, ATV ERP 21.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19509672	23795.2
not affected by terrain losses	18936450	21517.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5292045	3048.8
lost to ATV IX only	5292045	3048.8
lost to all IX	5292045	3048.8

Potential Interfering Stations Included in above Scenario 2

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20090710AKB	CP
9A PA BETHLEHEM	BLCDT	20060609AAH	LIC
7A NY NEW YORK	BPCDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDT WABCDT7APPB  
 ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
 Antenna 99999999999999

Due to interference to the following station and scenario: 2

8D NJ NEW BRUNSWICK BMPEDT 20100107ACX  
 ERP 21.72 kW HAAT 218.0 m RCAMSL 281.0 m  
 Antenna CDB 0000000097418

Percent Service lost without proposal:	0.0	to BMPEDT	20100107ACX
Percent Service lost with proposal:	18.3	to BMPEDT	20100107ACX

Result key: 16  
Scenario 3 Affected station 8  
Before Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20100107ACX APP  
HAAT 218.0 m, ATV ERP 21.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19509672	23795.2
not affected by terrain losses	18936450	21517.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2606979	2956.9
lost to ATV IX only	2606979	2956.9
lost to all IX	2606979	2956.9

Potential Interfering Stations Included in above Scenario 3

8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA LANCASTER	BPCDDT	20100111AER	APP
9A PA BETHLEHEM	BPCDDT	20080619ALA	CP
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20100107ACX APP  
HAAT 218.0 m, ATV ERP 21.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19509672	23795.2
not affected by terrain losses	18936450	21517.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5665659	3907.9
lost to ATV IX only	5665659	3907.9
lost to all IX	5665659	3907.9

Potential Interfering Stations Included in above Scenario 3

8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA LANCASTER	BPCDDT	20100111AER	APP
9A PA BETHLEHEM	BPCDDT	20080619ALA	CP
7A NY NEW YORK	BPCDDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDDT WABCDT7APPB  
ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
Antenna 9999999999999999

Due to interference to the following station and scenario: 3

8D NJ NEW BRUNSWICK BMPEDT 20100107ACX  
ERP 21.72 kW HAAT 218.0 m RCAMSL 281.0 m  
Antenna CDB 00000000097418

Percent Service lost without proposal:	0.0	to BMPEDT	20100107ACX
Percent Service lost with proposal:	18.7	to BMPEDT	20100107ACX



Result key: 17  
Scenario 4 Affected station 8  
Before Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20100107ACX APP  
HAAT 218.0 m, ATV ERP 21.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19509672	23795.2
not affected by terrain losses	18936450	21517.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2560889	2589.3
lost to ATV IX only	2560889	2589.3
lost to all IX	2560889	2589.3

Potential Interfering Stations Included in above Scenario 4

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20100111AER	APP
9A PA BETHLEHEM	BPRM	20011130AHC	GRA
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20100107ACX APP  
HAAT 218.0 m, ATV ERP 21.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19509672	23795.2
not affected by terrain losses	18936450	21517.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5619569	3540.3
lost to ATV IX only	5619569	3540.3
lost to all IX	5619569	3540.3

Potential Interfering Stations Included in above Scenario 4

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20100111AER	APP
9A PA BETHLEHEM	BPRM	20011130AHC	GRA
7A NY NEW YORK	BPCDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDT WABCDT7APPB  
ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
Antenna 99999999999999

Due to interference to the following station and scenario: 4

8D NJ NEW BRUNSWICK BMPEDT 20100107ACX  
ERP 21.72 kW HAAT 218.0 m RCAMSL 281.0 m  
Antenna CDB 0000000097418

Percent Service lost without proposal:	0.0	to BMPEDT	20100107ACX
Percent Service lost with proposal:	18.7	to BMPEDT	20100107ACX

Result key: 18  
Scenario 5 Affected station 8  
Before Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20100107ACX APP  
HAAT 218.0 m, ATV ERP 21.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19509672	23795.2
not affected by terrain losses	18936450	21517.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2560889	2589.3
lost to ATV IX only	2560889	2589.3
lost to all IX	2560889	2589.3

Potential Interfering Stations Included in above Scenario 5

8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA LANCASTER	BPCDDT	20100111AER	APP
9A PA BETHLEHEM	BLCDDT	20060609AAH	LIC
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20100107ACX APP  
HAAT 218.0 m, ATV ERP 21.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19509672	23795.2
not affected by terrain losses	18936450	21517.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5619569	3540.3
lost to ATV IX only	5619569	3540.3
lost to all IX	5619569	3540.3

Potential Interfering Stations Included in above Scenario 5

8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA LANCASTER	BPCDDT	20100111AER	APP
9A PA BETHLEHEM	BLCDDT	20060609AAH	LIC
7A NY NEW YORK	BPCDDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDDT WABCDT7APPB  
ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
Antenna 9999999999999999

Due to interference to the following station and scenario: 5

8D NJ NEW BRUNSWICK BMPEDT 20100107ACX  
ERP 21.72 kW HAAT 218.0 m RCAMSL 281.0 m  
Antenna CDB 00000000097418

Percent Service lost without proposal:	0.0	to BMPEDT	20100107ACX
Percent Service lost with proposal:	18.7	to BMPEDT	20100107ACX

Result key: 19  
Scenario 6 Affected station 8  
Before Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20100107ACX APP  
HAAT 218.0 m, ATV ERP 21.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19509672	23795.2
not affected by terrain losses	18936450	21517.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2617635	3008.9
lost to ATV IX only	2617635	3008.9
lost to all IX	2617635	3008.9

Potential Interfering Stations Included in above Scenario 6

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20100111AER	APP
9A PA BETHLEHEM	BMPCDT	20100105AAH	APP
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20100107ACX APP  
HAAT 218.0 m, ATV ERP 21.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19509672	23795.2
not affected by terrain losses	18936450	21517.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5676315	3959.9
lost to ATV IX only	5676315	3959.9
lost to all IX	5676315	3959.9

Potential Interfering Stations Included in above Scenario 6

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20100111AER	APP
9A PA BETHLEHEM	BMPCDT	20100105AAH	APP
7A NY NEW YORK	BPCDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDT WABCDT7APPB  
ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
Antenna 99999999999999

Due to interference to the following station and scenario: 6

8D NJ NEW BRUNSWICK BMPEDT 20100107ACX  
ERP 21.72 kW HAAT 218.0 m RCAMSL 281.0 m  
Antenna CDB 0000000097418

Percent Service lost without proposal:	0.0	to BMPEDT	20100107ACX
Percent Service lost with proposal:	18.7	to BMPEDT	20100107ACX

Result key: 20  
Scenario 7 Affected station 8  
Before Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20100107ACX APP  
HAAT 218.0 m, ATV ERP 21.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19509672	23795.2
not affected by terrain losses	18936450	21517.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2617635	3008.9
lost to ATV IX only	2617635	3008.9
lost to all IX	2617635	3008.9

Potential Interfering Stations Included in above Scenario 7

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20100111AER	APP
9A PA BETHLEHEM	BMPCDT	20100105AAH	APP
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20100107ACX APP  
HAAT 218.0 m, ATV ERP 21.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19509672	23795.2
not affected by terrain losses	18936450	21517.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5676315	3959.9
lost to ATV IX only	5676315	3959.9
lost to all IX	5676315	3959.9

Potential Interfering Stations Included in above Scenario 7

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20100111AER	APP
9A PA BETHLEHEM	BMPCDT	20100105AAH	APP
7A NY NEW YORK	BPCDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDT WABCDT7APPB  
ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
Antenna 99999999999999

Due to interference to the following station and scenario: 7

8D NJ NEW BRUNSWICK BMPEDT 20100107ACX  
ERP 21.72 kW HAAT 218.0 m RCAMSL 281.0 m  
Antenna CDB 0000000097418

Percent Service lost without proposal:	0.0	to BMPEDT	20100107ACX
Percent Service lost with proposal:	18.7	to BMPEDT	20100107ACX

Result key: 21  
Scenario 8 Affected station 8  
Before Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20100107ACX APP  
HAAT 218.0 m, ATV ERP 21.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19509672	23795.2
not affected by terrain losses	18936450	21517.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2236431	2081.8
lost to ATV IX only	2236431	2081.8
lost to all IX	2236431	2081.8

Potential Interfering Stations Included in above Scenario 8

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20090710AKB	CP
9A PA BETHLEHEM	BPRM	20011130AHC	GRA
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20100107ACX APP  
HAAT 218.0 m, ATV ERP 21.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19509672	23795.2
not affected by terrain losses	18936450	21517.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5292045	3048.8
lost to ATV IX only	5292045	3048.8
lost to all IX	5292045	3048.8

Potential Interfering Stations Included in above Scenario 8

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20090710AKB	CP
9A PA BETHLEHEM	BPRM	20011130AHC	GRA
7A NY NEW YORK	BPCDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDT WABCDT7APPB  
ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
Antenna 99999999999999

Due to interference to the following station and scenario: 8

8D NJ NEW BRUNSWICK BMPEDT 20100107ACX  
ERP 21.72 kW HAAT 218.0 m RCAMSL 281.0 m  
Antenna CDB 0000000097418

Percent Service lost without proposal:	0.0	to BMPEDT	20100107ACX
Percent Service lost with proposal:	18.3	to BMPEDT	20100107ACX

Result key: 22  
Scenario 9 Affected station 8  
Before Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20100107ACX APP  
HAAT 218.0 m, ATV ERP 21.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19509672	23795.2
not affected by terrain losses	18936450	21517.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2329427	2609.3
lost to ATV IX only	2329427	2609.3
lost to all IX	2329427	2609.3

Potential Interfering Stations Included in above Scenario 9

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20090710AKB	CP
9A PA BETHLEHEM	BMPCDT	20100105AAH	APP
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20100107ACX APP  
HAAT 218.0 m, ATV ERP 21.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19509672	23795.2
not affected by terrain losses	18936450	21517.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5385041	3576.3
lost to ATV IX only	5385041	3576.3
lost to all IX	5385041	3576.3

Potential Interfering Stations Included in above Scenario 9

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20090710AKB	CP
9A PA BETHLEHEM	BMPCDT	20100105AAH	APP
7A NY NEW YORK	BPCDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDT WABCDT7APPB  
ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
Antenna 99999999999999

Due to interference to the following station and scenario: 9

8D NJ NEW BRUNSWICK BMPEDT 20100107ACX  
ERP 21.72 kW HAAT 218.0 m RCAMSL 281.0 m  
Antenna CDB 0000000097418

Percent Service lost without proposal:	0.0	to BMPEDT	20100107ACX
Percent Service lost with proposal:	18.4	to BMPEDT	20100107ACX

Result key: 23  
Scenario 10 Affected station 8  
Before Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20100107ACX APP  
HAAT 218.0 m, ATV ERP 21.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19509672	23795.2
not affected by terrain losses	18936450	21517.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2329427	2609.3
lost to ATV IX only	2329427	2609.3
lost to all IX	2329427	2609.3

Potential Interfering Stations Included in above Scenario 10

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20090710AKB	CP
9A PA BETHLEHEM	BMPCDT	20100105AAH	APP
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20100107ACX APP  
HAAT 218.0 m, ATV ERP 21.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19509672	23795.2
not affected by terrain losses	18936450	21517.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5385041	3576.3
lost to ATV IX only	5385041	3576.3
lost to all IX	5385041	3576.3

Potential Interfering Stations Included in above Scenario 10

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20090710AKB	CP
9A PA BETHLEHEM	BMPCDT	20100105AAH	APP
7A NY NEW YORK	BPCDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDT WABCDT7APPB  
ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
Antenna 99999999999999

Due to interference to the following station and scenario: 10

8D NJ NEW BRUNSWICK BMPEDT 20100107ACX  
ERP 21.72 kW HAAT 218.0 m RCAMSL 281.0 m  
Antenna CDB 0000000097418

Percent Service lost without proposal:	0.0	to BMPEDT	20100107ACX
Percent Service lost with proposal:	18.4	to BMPEDT	20100107ACX

Proposed station is MX

7A NY NEW YORK	BPCDT	WABCDT7APPB	APP
8A NJ NEW BRUNSWICK	BMPEDT	20100107ACX	APP

Proposal MX with BMPEDT 20100107ACX scenario 1 of station 8

Proposed station is MX

7A NY NEW YORK	BPCDT	WABCDT7APPB	APP
8A NJ NEW BRUNSWICK	BMPEDT	20100107ACX	APP

Proposal MX with BMPEDT 20100107ACX scenario 2 of station 8

#####

# Analysis of Interference to Affected Station 9

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	WNJB	NEW BRUNSWICK NJ	BMPEDT	-20090729ACO

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	WXXA-DR	ALBANY NY	226.5	GRANT	BPRM	-20000718AAA
07	WXXA-TV	ALBANY NY	226.5	LIC	BLCDDT	-20051222AAQ
07	WBNG-TV	BINGHAMTON NY	200.3	LIC	BLCDDT	-20060329ACH
07	WABC-TV	NEW YORK NY	45.9	APP	BPCDDT	-WABCDT7APPB
07	WABC-TV	NEW YORK NY	42.6	PLN	DTVPLN	-DTVP0350
08	WICZ-TV	BINGHAMTON NY	199.7	LIC	BLCDDT	-20060320AFC
08	WWCP-TV	JOHNSTOWN PA	396.3	CP MOD	BMPCDDT	-20080620AIX
08	WGAL	LANCASTER PA	190.7	APP	BPCDDT	-20100111AER
08	WGAL	LANCASTER PA	190.7	CP	BPCDDT	-20090710AKB
09	WEDN	NORWICH CT	219.8	LIC	BLEDT	-20090618ACB
09	WEDN-DR	NORWICH CT	219.8	APP	BPRM	-20040109AEI
09	WBPH-TV	BETHLEHEM PA	79.2	CP	BPCDDT	-20080619ALA
09	WBPH-DT	BETHLEHEM PA	79.2	GRANT	BPRM	-20011130AHC
09	WBPH-TV	BETHLEHEM PA	79.2	LIC	BLCDDT	-20060609AAH
09	WBPH-TV	BETHLEHEM PA	78.8	APP	BMPCDDT	-20100105AAH
09	WBPH-TV	BETHLEHEM PA	78.8	APP	BMPCDDT	-20100105AAH
07	WXXA-DR	ALBANY NY	226.5	GRANT	BPRM	-20000718AAA
07	WXXA-TV	ALBANY NY	226.5	LIC	BLCDDT	-20051222AAQ
07	WBNG-TV	BINGHAMTON NY	200.3	LIC	BLCDDT	-20060329ACH
07	WABC-TV	NEW YORK NY	45.9	APP	BPCDDT	-WABCDT7APPB
07	WABC-TV	NEW YORK NY	42.6	PLN	DTVPLN	-DTVP0350
08	WICZ-TV	BINGHAMTON NY	199.7	LIC	BLCDDT	-20060320AFC
08	WWCP-TV	JOHNSTOWN PA	396.3	CP MOD	BMPCDDT	-20080620AIX
08	WGAL	LANCASTER PA	190.7	APP	BPCDDT	-20100111AER
08	WGAL	LANCASTER PA	190.7	CP	BPCDDT	-20090710AKB
09	WEDN	NORWICH CT	219.8	LIC	BLEDT	-20090618ACB
09	WEDN-DR	NORWICH CT	219.8	APP	BPRM	-20040109AEI
09	WBPH-TV	BETHLEHEM PA	79.2	CP	BPCDDT	-20080619ALA
09	WBPH-DT	BETHLEHEM PA	79.2	GRANT	BPRM	-20011130AHC
09	WBPH-TV	BETHLEHEM PA	79.2	LIC	BLCDDT	-20060609AAH
09	WBPH-TV	BETHLEHEM PA	78.8	APP	BMPCDDT	-20100105AAH
09	WBPH-TV	BETHLEHEM PA	78.8	APP	BMPCDDT	-20100105AAH

Total scenarios = 10



Result key: 24  
Scenario 1 Affected station 9  
Before Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20090729ACO CP  
HAAT 215.0 m, ATV ERP 17.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19286829	23123.7
not affected by terrain losses	18741287	20950.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2434479	2529.3
lost to ATV IX only	2434479	2529.3
lost to all IX	2434479	2529.3

Potential Interferring Stations Included in above Scenario 1

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20090710AKB	CP
9A PA BETHLEHEM	BPCDT	20080619ALA	CP
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20090729ACO CP  
HAAT 215.0 m, ATV ERP 17.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19286829	23123.7
not affected by terrain losses	18741287	20950.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5829360	3484.3
lost to ATV IX only	5829360	3484.3
lost to all IX	5829360	3484.3

Potential Interferring Stations Included in above Scenario 1

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20090710AKB	CP
9A PA BETHLEHEM	BPCDT	20080619ALA	CP
7A NY NEW YORK	BPCDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDT WABCDT7APPB  
ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
Antenna 9999999999999999

Due to interference to the following station and scenario: 1

8D NJ NEW BRUNSWICK BMPEDT 20090729ACO  
ERP 17.90 kW HAAT 215.0 m RCAMSL 281.0 m  
Antenna CDB 00000000094321

Percent Service lost without proposal:	0.0	to BMPEDT	20090729ACO
Percent Service lost with proposal:	20.8	to BMPEDT	20090729ACO

Result key: 25  
Scenario 2 Affected station 9  
Before Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20090729ACO CP  
HAAT 215.0 m, ATV ERP 17.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19286829	23123.7
not affected by terrain losses	18741287	20950.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2364686	2081.8
lost to ATV IX only	2364686	2081.8
lost to all IX	2364686	2081.8

Potential Interfering Stations Included in above Scenario 2

8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA LANCASTER	BPCDDT	20090710AKB	CP
9A PA BETHLEHEM	BLCDDT	20060609AAH	LIC
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20090729ACO CP  
HAAT 215.0 m, ATV ERP 17.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19286829	23123.7
not affected by terrain losses	18741287	20950.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5759567	3036.8
lost to ATV IX only	5759567	3036.8
lost to all IX	5759567	3036.8

Potential Interfering Stations Included in above Scenario 2

8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA LANCASTER	BPCDDT	20090710AKB	CP
9A PA BETHLEHEM	BLCDDT	20060609AAH	LIC
7A NY NEW YORK	BPCDDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDDT WABCDT7APPB  
ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
Antenna 9999999999999999

Due to interference to the following station and scenario: 2

8D NJ NEW BRUNSWICK BMPEDT 20090729ACO  
ERP 17.90 kW HAAT 215.0 m RCAMSL 281.0 m  
Antenna CDB 00000000094321

Percent Service lost without proposal:	0.0	to BMPEDT	20090729ACO
Percent Service lost with proposal:	20.7	to BMPEDT	20090729ACO

Result key: 26  
Scenario 3 Affected station 9  
Before Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20090729ACO CP  
HAAT 215.0 m, ATV ERP 17.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19286829	23123.7
not affected by terrain losses	18741287	20950.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2721751	2964.9
lost to ATV IX only	2721751	2964.9
lost to all IX	2721751	2964.9

Potential Interfering Stations Included in above Scenario 3

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20100111AER	APP
9A PA BETHLEHEM	BPCDT	20080619ALA	CP
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20090729ACO CP  
HAAT 215.0 m, ATV ERP 17.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19286829	23123.7
not affected by terrain losses	18741287	20950.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	6113960	3915.9
lost to ATV IX only	6113960	3915.9
lost to all IX	6113960	3915.9

Potential Interfering Stations Included in above Scenario 3

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20100111AER	APP
9A PA BETHLEHEM	BPCDT	20080619ALA	CP
7A NY NEW YORK	BPCDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDT WABCDT7APPB  
ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
Antenna 99999999999999

Due to interference to the following station and scenario: 3

8D NJ NEW BRUNSWICK BMPEDT 20090729ACO  
ERP 17.90 kW HAAT 215.0 m RCAMSL 281.0 m  
Antenna CDB 0000000094321

Percent Service lost without proposal:	0.0	to BMPEDT	20090729ACO
Percent Service lost with proposal:	21.2	to BMPEDT	20090729ACO

Result key: 27  
Scenario 4 Affected station 9  
Before Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20090729ACO CP  
HAAT 215.0 m, ATV ERP 17.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19286829	23123.7
not affected by terrain losses	18741287	20950.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2676030	2609.3
lost to ATV IX only	2676030	2609.3
lost to all IX	2676030	2609.3

Potential Interfering Stations Included in above Scenario 4

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20100111AER	APP
9A PA BETHLEHEM	BPRM	20011130AHC	GRA
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20090729ACO CP  
HAAT 215.0 m, ATV ERP 17.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19286829	23123.7
not affected by terrain losses	18741287	20950.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	6068239	3560.3
lost to ATV IX only	6068239	3560.3
lost to all IX	6068239	3560.3

Potential Interfering Stations Included in above Scenario 4

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20100111AER	APP
9A PA BETHLEHEM	BPRM	20011130AHC	GRA
7A NY NEW YORK	BPCDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDT WABCDT7APPB  
ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
Antenna 9999999999999999

Due to interference to the following station and scenario: 4

8D NJ NEW BRUNSWICK BMPEDT 20090729ACO  
ERP 17.90 kW HAAT 215.0 m RCAMSL 281.0 m  
Antenna CDB 00000000094321

Percent Service lost without proposal:	0.0	to BMPEDT	20090729ACO
Percent Service lost with proposal:	21.1	to BMPEDT	20090729ACO

Result key: 28  
 Scenario 5 Affected station 9  
 Before Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20090729ACO CP  
 HAAT 215.0 m, ATV ERP 17.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19286829	23123.7
not affected by terrain losses	18741287	20950.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2676030	2609.3
lost to ATV IX only	2676030	2609.3
lost to all IX	2676030	2609.3

Potential Interfering Stations Included in above Scenario 5

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20100111AER	APP
9A PA BETHLEHEM	BLCDT	20060609AAH	LIC
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20090729ACO CP  
 HAAT 215.0 m, ATV ERP 17.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19286829	23123.7
not affected by terrain losses	18741287	20950.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	6068239	3560.3
lost to ATV IX only	6068239	3560.3
lost to all IX	6068239	3560.3

Potential Interfering Stations Included in above Scenario 5

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20100111AER	APP
9A PA BETHLEHEM	BLCDT	20060609AAH	LIC
7A NY NEW YORK	BPCDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDT WABCDT7APPB  
 ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
 Antenna 99999999999999

Due to interference to the following station and scenario: 5

8D NJ NEW BRUNSWICK BMPEDT 20090729ACO  
 ERP 17.90 kW HAAT 215.0 m RCAMSL 281.0 m  
 Antenna CDB 00000000094321

Percent Service lost without proposal:	0.0	to BMPEDT	20090729ACO
Percent Service lost with proposal:	21.1	to BMPEDT	20090729ACO

Result key: 29  
 Scenario 6 Affected station 9  
 Before Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20090729ACO CP  
 HAAT 215.0 m, ATV ERP 17.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19286829	23123.7
not affected by terrain losses	18741287	20950.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2732251	3020.8
lost to ATV IX only	2732251	3020.8
lost to all IX	2732251	3020.8

Potential Interfering Stations Included in above Scenario 6

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20100111AER	APP
9A PA BETHLEHEM	BMPCDT	20100105AAH	APP
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20090729ACO CP  
 HAAT 215.0 m, ATV ERP 17.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19286829	23123.7
not affected by terrain losses	18741287	20950.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	6124460	3971.8
lost to ATV IX only	6124460	3971.8
lost to all IX	6124460	3971.8

Potential Interfering Stations Included in above Scenario 6

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20100111AER	APP
9A PA BETHLEHEM	BMPCDT	20100105AAH	APP
7A NY NEW YORK	BPCDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDT WABCDT7APPB  
 ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
 Antenna 99999999999999

Due to interference to the following station and scenario: 6

8D NJ NEW BRUNSWICK BMPEDT 20090729ACO  
 ERP 17.90 kW HAAT 215.0 m RCAMSL 281.0 m  
 Antenna CDB 0000000094321

Percent Service lost without proposal:	0.0	to BMPEDT	20090729ACO
Percent Service lost with proposal:	21.2	to BMPEDT	20090729ACO

Result key: 30  
Scenario 7 Affected station 9  
Before Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20090729ACO CP  
HAAT 215.0 m, ATV ERP 17.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19286829	23123.7
not affected by terrain losses	18741287	20950.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2732251	3020.8
lost to ATV IX only	2732251	3020.8
lost to all IX	2732251	3020.8

Potential Interferring Stations Included in above Scenario 7

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20100111AER	APP
9A PA BETHLEHEM	BMPCDT	20100105AAH	APP
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20090729ACO CP  
HAAT 215.0 m, ATV ERP 17.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19286829	23123.7
not affected by terrain losses	18741287	20950.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	6124460	3971.8
lost to ATV IX only	6124460	3971.8
lost to all IX	6124460	3971.8

Potential Interferring Stations Included in above Scenario 7

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20100111AER	APP
9A PA BETHLEHEM	BMPCDT	20100105AAH	APP
7A NY NEW YORK	BPCDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDT WABCDT7APPB  
ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
Antenna 9999999999999999

Due to interference to the following station and scenario: 7

8D NJ NEW BRUNSWICK BMPEDT 20090729ACO  
ERP 17.90 kW HAAT 215.0 m RCAMSL 281.0 m  
Antenna CDB 00000000094321

Percent Service lost without proposal:	0.0	to BMPEDT	20090729ACO
Percent Service lost with proposal:	21.2	to BMPEDT	20090729ACO

Result key: 31  
Scenario 8 Affected station 9  
Before Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20090729ACO CP  
HAAT 215.0 m, ATV ERP 17.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19286829	23123.7
not affected by terrain losses	18741287	20950.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2364686	2081.8
lost to ATV IX only	2364686	2081.8
lost to all IX	2364686	2081.8

Potential Interferring Stations Included in above Scenario 8

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20090710AKB	CP
9A PA BETHLEHEM	BPRM	20011130AHC	GRA
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20090729ACO CP  
HAAT 215.0 m, ATV ERP 17.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19286829	23123.7
not affected by terrain losses	18741287	20950.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5759567	3036.8
lost to ATV IX only	5759567	3036.8
lost to all IX	5759567	3036.8

Potential Interferring Stations Included in above Scenario 8

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20090710AKB	CP
9A PA BETHLEHEM	BPRM	20011130AHC	GRA
7A NY NEW YORK	BPCDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDT WABCDT7APPB  
ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
Antenna 99999999999999

Due to interference to the following station and scenario: 8

8D NJ NEW BRUNSWICK BMPEDT 20090729ACO  
ERP 17.90 kW HAAT 215.0 m RCAMSL 281.0 m  
Antenna CDB 0000000094321

Percent Service lost without proposal:	0.0	to BMPEDT	20090729ACO
Percent Service lost with proposal:	20.7	to BMPEDT	20090729ACO



Result key: 32  
Scenario 9 Affected station 9  
Before Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20090729ACO CP  
HAAT 215.0 m, ATV ERP 17.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19286829	23123.7
not affected by terrain losses	18741287	20950.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2446876	2597.3
lost to ATV IX only	2446876	2597.3
lost to all IX	2446876	2597.3

Potential Interfering Stations Included in above Scenario 9

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20090710AKB	CP
9A PA BETHLEHEM	BMPCDT	20100105AAH	APP
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20090729ACO CP  
HAAT 215.0 m, ATV ERP 17.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19286829	23123.7
not affected by terrain losses	18741287	20950.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5841757	3552.3
lost to ATV IX only	5841757	3552.3
lost to all IX	5841757	3552.3

Potential Interfering Stations Included in above Scenario 9

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20090710AKB	CP
9A PA BETHLEHEM	BMPCDT	20100105AAH	APP
7A NY NEW YORK	BPCDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDT WABCDT7APPB  
ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
Antenna 99999999999999

Due to interference to the following station and scenario: 9

8D NJ NEW BRUNSWICK BMPEDT 20090729ACO  
ERP 17.90 kW HAAT 215.0 m RCAMSL 281.0 m  
Antenna CDB 0000000094321

Percent Service lost without proposal:	0.0	to BMPEDT	20090729ACO
Percent Service lost with proposal:	20.8	to BMPEDT	20090729ACO

Result key: 33  
Scenario 10 Affected station 9  
Before Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20090729ACO CP  
HAAT 215.0 m, ATV ERP 17.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19286829	23123.7
not affected by terrain losses	18741287	20950.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2446876	2597.3
lost to ATV IX only	2446876	2597.3
lost to all IX	2446876	2597.3

Potential Interfering Stations Included in above Scenario 10

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20090710AKB	CP
9A PA BETHLEHEM	BMPCDT	20100105AAH	APP
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BMPEDT 20090729ACO CP  
HAAT 215.0 m, ATV ERP 17.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19286829	23123.7
not affected by terrain losses	18741287	20950.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5841757	3552.3
lost to ATV IX only	5841757	3552.3
lost to all IX	5841757	3552.3

Potential Interfering Stations Included in above Scenario 10

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20090710AKB	CP
9A PA BETHLEHEM	BMPCDT	20100105AAH	APP
7A NY NEW YORK	BPCDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDT WABCDT7APPB  
ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
Antenna 99999999999999

Due to interference to the following station and scenario: 10  
8D NJ NEW BRUNSWICK BMPEDT 20090729ACO  
ERP 17.90 kW HAAT 215.0 m RCAMSL 281.0 m  
Antenna CDB 00000000094321

Percent Service lost without proposal: 0.0 to BMPEDT 20090729ACO  
Percent Service lost with proposal: 20.8 to BMPEDT 20090729ACO

#####

Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	WNJB	NEW BRUNSWICK NJ	BPCDT	-WNJBBDT4082

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	WXXA-DR	ALBANY NY	226.5	GRANT	BPRM	-20000718AAA
07	WXXA-TV	ALBANY NY	226.5	LIC	BLCDDT	-20051222AAQ
07	WBNG-TV	BINGHAMTON NY	200.3	LIC	BLCDDT	-20060329ACH
07	WABC-TV	NEW YORK NY	45.9	APP	BPCDDT	-WABCDDT7APPB
07	WABC-TV	NEW YORK NY	42.6	PLN	DTVPLN	-DTVP0350
08	WICZ-TV	BINGHAMTON NY	199.7	LIC	BLCDDT	-20060320AFC
08	WWCP-TV	JOHNSTOWN PA	396.3	CP MOD	BMPCDDT	-20080620AIX
08	WGAL	LANCASTER PA	190.7	APP	BPCDDT	-20100111AER
08	WGAL	LANCASTER PA	190.7	CP	BPCDDT	-20090710AKB
09	WEDN	NORWICH CT	219.8	LIC	BLEDDT	-20090618ACB
09	WEDN-DR	NORWICH CT	219.8	APP	BPRM	-20040109AEI
09	WBPH-TV	BETHLEHEM PA	79.2	CP	BPCDDT	-20080619ALA
09	WBPH-DT	BETHLEHEM PA	79.2	GRANT	BPRM	-20011130AHC
09	WBPH-TV	BETHLEHEM PA	79.2	LIC	BLCDDT	-20060609AAH
09	WBPH-TV	BETHLEHEM PA	78.8	APP	BMPCDDT	-20100105AAH
09	WBPH-TV	BETHLEHEM PA	78.8	APP	BMPCDDT	-20100105AAH
07	WXXA-DR	ALBANY NY	226.5	GRANT	BPRM	-20000718AAA
07	WXXA-TV	ALBANY NY	226.5	LIC	BLCDDT	-20051222AAQ
07	WBNG-TV	BINGHAMTON NY	200.3	LIC	BLCDDT	-20060329ACH
07	WABC-TV	NEW YORK NY	45.9	APP	BPCDDT	-WABCDDT7APPB
07	WABC-TV	NEW YORK NY	42.6	PLN	DTVPLN	-DTVP0350
08	WICZ-TV	BINGHAMTON NY	199.7	LIC	BLCDDT	-20060320AFC
08	WWCP-TV	JOHNSTOWN PA	396.3	CP MOD	BMPCDDT	-20080620AIX
08	WGAL	LANCASTER PA	190.7	APP	BPCDDT	-20100111AER
08	WGAL	LANCASTER PA	190.7	CP	BPCDDT	-20090710AKB
09	WEDN	NORWICH CT	219.8	LIC	BLEDDT	-20090618ACB
09	WEDN-DR	NORWICH CT	219.8	APP	BPRM	-20040109AEI
09	WBPH-TV	BETHLEHEM PA	79.2	CP	BPCDDT	-20080619ALA
09	WBPH-DT	BETHLEHEM PA	79.2	GRANT	BPRM	-20011130AHC
09	WBPH-TV	BETHLEHEM PA	79.2	LIC	BLCDDT	-20060609AAH
09	WBPH-TV	BETHLEHEM PA	78.8	APP	BMPCDDT	-20100105AAH
09	WBPH-TV	BETHLEHEM PA	78.8	APP	BMPCDDT	-20100105AAH

Total scenarios = 10

Result key: 34  
Scenario 1 Affected station 10  
Before Analysis

Results for: 8A NJ NEW BRUNSWICK BPCDT WNJBBDT4082 APP  
HAAT 218.0 m, ATV ERP 40.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20668171	26517.0
not affected by terrain losses	19916767	24007.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1700411	2821.1
lost to ATV IX only	1700411	2821.1
lost to all IX	1700411	2821.1

Potential Interferring Stations Included in above Scenario 1

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20090710AKB	CP
9A PA BETHLEHEM	BPCDT	20080619ALA	CP
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BPCDT WNJBBDT4082 APP  
HAAT 218.0 m, ATV ERP 40.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20668171	26517.0
not affected by terrain losses	19916767	24007.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3914382	3908.0
lost to ATV IX only	3914382	3908.0
lost to all IX	3914382	3908.0

Potential Interferring Stations Included in above Scenario 1

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20090710AKB	CP
9A PA BETHLEHEM	BPCDT	20080619ALA	CP
7A NY NEW YORK	BPCDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDT WABCDT7APPB  
ERP 26.90 kW HAAT 405.0 m RCMSL 418.5 m  
Antenna 9999999999999999

Due to interference to the following station and scenario: 1

8D NJ NEW BRUNSWICK BPCDT WNJBBDT4082  
ERP 40.82 kW HAAT 218.0 m RCMSL 281.0 m  
Antenna CDB 000000000084640

Percent Service lost without proposal:	0.0	to BPCDT	WNJBBDT4082
Percent Service lost with proposal:	12.2	to BPCDT	WNJBBDT4082

Result key: 35  
 Scenario 2 Affected station 10  
 Before Analysis

Results for: 8A NJ NEW BRUNSWICK BPCDT WNJBBDT4082 APP  
 HAAT 218.0 m, ATV ERP 40.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20668171	26517.0
not affected by terrain losses	19916767	24007.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1619553	2333.6
lost to ATV IX only	1619553	2333.6
lost to all IX	1619553	2333.6

Potential Interfering Stations Included in above Scenario 2

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20090710AKB	CP
9A PA BETHLEHEM	BLCDT	20060609AAH	LIC
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BPCDT WNJBBDT4082 APP  
 HAAT 218.0 m, ATV ERP 40.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20668171	26517.0
not affected by terrain losses	19916767	24007.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3833524	3420.5
lost to ATV IX only	3833524	3420.5
lost to all IX	3833524	3420.5

Potential Interfering Stations Included in above Scenario 2

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20090710AKB	CP
9A PA BETHLEHEM	BLCDT	20060609AAH	LIC
7A NY NEW YORK	BPCDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDT WABCDT7APPB  
 ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
 Antenna 99999999999999

Due to interference to the following station and scenario: 2

8D NJ NEW BRUNSWICK BPCDT WNJBBDT4082  
 ERP 40.82 kW HAAT 218.0 m RCAMSL 281.0 m  
 Antenna CDB 00000000084640

Percent Service lost without proposal:	0.0	to BPCDT	WNJBBDT4082
Percent Service lost with proposal:	12.1	to BPCDT	WNJBBDT4082

Result key: 36  
 Scenario 3 Affected station 10  
 Before Analysis

Results for: 8A NJ NEW BRUNSWICK BPCDT WNJBBDT4082 APP  
 HAAT 218.0 m, ATV ERP 40.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20668171	26517.0
not affected by terrain losses	19916767	24007.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2176183	3256.7
lost to ATV IX only	2176183	3256.7
lost to all IX	2176183	3256.7

Potential Interfering Stations Included in above Scenario 3

8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA LANCASTER	BPCDDT	20100111AER	APP
9A PA BETHLEHEM	BPCDDT	20080619ALA	CP
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BPCDT WNJBBDT4082 APP  
 HAAT 218.0 m, ATV ERP 40.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20668171	26517.0
not affected by terrain losses	19916767	24007.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4384701	4311.6
lost to ATV IX only	4384701	4311.6
lost to all IX	4384701	4311.6

Potential Interfering Stations Included in above Scenario 3

8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA LANCASTER	BPCDDT	20100111AER	APP
9A PA BETHLEHEM	BPCDDT	20080619ALA	CP
7A NY NEW YORK	BPCDDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDDT WABCDT7APPB  
 ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
 Antenna 9999999999999999

Due to interference to the following station and scenario: 3

8D NJ NEW BRUNSWICK BPCDDT WNJBBDT4082  
 ERP 40.82 kW HAAT 218.0 m RCAMSL 281.0 m  
 Antenna CDB 00000000084640

Percent Service lost without proposal:	0.0	to BPCDDT	WNJBBDT4082
Percent Service lost with proposal:	12.4	to BPCDDT	WNJBBDT4082

Result key: 37  
Scenario 4 Affected station 10  
Before Analysis

Results for: 8A NJ NEW BRUNSWICK BPCDT WNJBBDT4082 APP  
HAAT 218.0 m, ATV ERP 40.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20668171	26517.0
not affected by terrain losses	19916767	24007.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2126958	2861.1
lost to ATV IX only	2126958	2861.1
lost to all IX	2126958	2861.1

Potential Interfering Stations Included in above Scenario 4

8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA LANCASTER	BPCDDT	20100111AER	APP
9A PA BETHLEHEM	BPRM	20011130AHC	GRA
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BPCDT WNJBBDT4082 APP  
HAAT 218.0 m, ATV ERP 40.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20668171	26517.0
not affected by terrain losses	19916767	24007.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4335476	3916.0
lost to ATV IX only	4335476	3916.0
lost to all IX	4335476	3916.0

Potential Interfering Stations Included in above Scenario 4

8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA LANCASTER	BPCDDT	20100111AER	APP
9A PA BETHLEHEM	BPRM	20011130AHC	GRA
7A NY NEW YORK	BPCDDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDDT WABCDT7APPB  
ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
Antenna 99999999999999

Due to interference to the following station and scenario: 4

8D NJ NEW BRUNSWICK BPCDDT WNJBBDT4082  
ERP 40.82 kW HAAT 218.0 m RCAMSL 281.0 m  
Antenna CDB 00000000084640

Percent Service lost without proposal:	0.0	to BPCDDT	WNJBBDT4082
Percent Service lost with proposal:	12.4	to BPCDDT	WNJBBDT4082

Result key: 38  
 Scenario 5 Affected station 10  
 Before Analysis

Results for: 8A NJ NEW BRUNSWICK BPCDT WNJBBDT4082 APP  
 HAAT 218.0 m, ATV ERP 40.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20668171	26517.0
not affected by terrain losses	19916767	24007.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2126958	2861.1
lost to ATV IX only	2126958	2861.1
lost to all IX	2126958	2861.1

Potential Interfering Stations Included in above Scenario 5

8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA LANCASTER	BPCDDT	20100111AER	APP
9A PA BETHLEHEM	BLCDDT	20060609AAH	LIC
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BPCDT WNJBBDT4082 APP  
 HAAT 218.0 m, ATV ERP 40.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20668171	26517.0
not affected by terrain losses	19916767	24007.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4335476	3916.0
lost to ATV IX only	4335476	3916.0
lost to all IX	4335476	3916.0

Potential Interfering Stations Included in above Scenario 5

8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA LANCASTER	BPCDDT	20100111AER	APP
9A PA BETHLEHEM	BLCDDT	20060609AAH	LIC
7A NY NEW YORK	BPCDDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDDT WABCDT7APPB  
 ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
 Antenna 9999999999999999

Due to interference to the following station and scenario: 5

8D NJ NEW BRUNSWICK BPCDDT WNJBBDT4082  
 ERP 40.82 kW HAAT 218.0 m RCAMSL 281.0 m  
 Antenna CDB 00000000084640

Percent Service lost without proposal:	0.0	to BPCDDT	WNJBBDT4082
Percent Service lost with proposal:	12.4	to BPCDDT	WNJBBDT4082



Result key: 39  
 Scenario 6 Affected station 10  
 Before Analysis

Results for: 8A NJ NEW BRUNSWICK BPCDT WNJBBDT4082 APP  
 HAAT 218.0 m, ATV ERP 40.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20668171	26517.0
not affected by terrain losses	19916767	24007.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2192993	3320.6
lost to ATV IX only	2192993	3320.6
lost to all IX	2192993	3320.6

Potential Interfering Stations Included in above Scenario 6

8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA LANCASTER	BPCDDT	20100111AER	APP
9A PA BETHLEHEM	BMPCDDT	20100105AAH	APP
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BPCDT WNJBBDT4082 APP  
 HAAT 218.0 m, ATV ERP 40.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20668171	26517.0
not affected by terrain losses	19916767	24007.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4401511	4375.5
lost to ATV IX only	4401511	4375.5
lost to all IX	4401511	4375.5

Potential Interfering Stations Included in above Scenario 6

8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA LANCASTER	BPCDDT	20100111AER	APP
9A PA BETHLEHEM	BMPCDDT	20100105AAH	APP
7A NY NEW YORK	BPCDDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDDT WABCDT7APPB  
 ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
 Antenna 9999999999999999

Due to interference to the following station and scenario: 6

8D NJ NEW BRUNSWICK BPCDDT WNJBBDT4082  
 ERP 40.82 kW HAAT 218.0 m RCAMSL 281.0 m  
 Antenna CDB 00000000084640

Percent Service lost without proposal:	0.0	to BPCDDT	WNJBBDT4082
Percent Service lost with proposal:	12.5	to BPCDDT	WNJBBDT4082

Result key: 40  
 Scenario 7 Affected station 10  
 Before Analysis

Results for: 8A NJ NEW BRUNSWICK BPCDT WNJBBDT4082 APP  
 HAAT 218.0 m, ATV ERP 40.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20668171	26517.0
not affected by terrain losses	19916767	24007.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2192993	3320.6
lost to ATV IX only	2192993	3320.6
lost to all IX	2192993	3320.6

Potential Interfering Stations Included in above Scenario 7

8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA LANCASTER	BPCDDT	20100111AER	APP
9A PA BETHLEHEM	BMPCDDT	20100105AAH	APP
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BPCDT WNJBBDT4082 APP  
 HAAT 218.0 m, ATV ERP 40.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20668171	26517.0
not affected by terrain losses	19916767	24007.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4401511	4375.5
lost to ATV IX only	4401511	4375.5
lost to all IX	4401511	4375.5

Potential Interfering Stations Included in above Scenario 7

8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA LANCASTER	BPCDDT	20100111AER	APP
9A PA BETHLEHEM	BMPCDDT	20100105AAH	APP
7A NY NEW YORK	BPCDDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDDT WABCDT7APPB  
 ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
 Antenna 9999999999999999

Due to interference to the following station and scenario: 7

8D NJ NEW BRUNSWICK BPCDDT WNJBBDT4082  
 ERP 40.82 kW HAAT 218.0 m RCAMSL 281.0 m  
 Antenna CDB 00000000084640

Percent Service lost without proposal:	0.0	to BPCDDT	WNJBBDT4082
Percent Service lost with proposal:	12.5	to BPCDDT	WNJBBDT4082

Result key: 41  
 Scenario 8 Affected station 10  
 Before Analysis

Results for: 8A NJ NEW BRUNSWICK BPCDT WNJBBDT4082 APP  
 HAAT 218.0 m, ATV ERP 40.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20668171	26517.0
not affected by terrain losses	19916767	24007.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1619505	2329.6
lost to ATV IX only	1619505	2329.6
lost to all IX	1619505	2329.6

Potential Interfering Stations Included in above Scenario 8

8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA LANCASTER	BPCDDT	20090710AKB	CP
9A PA BETHLEHEM	BPRM	20011130AHC	GRA
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BPCDT WNJBBDT4082 APP  
 HAAT 218.0 m, ATV ERP 40.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20668171	26517.0
not affected by terrain losses	19916767	24007.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3833476	3416.5
lost to ATV IX only	3833476	3416.5
lost to all IX	3833476	3416.5

Potential Interfering Stations Included in above Scenario 8

8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA LANCASTER	BPCDDT	20090710AKB	CP
9A PA BETHLEHEM	BPRM	20011130AHC	GRA
7A NY NEW YORK	BPCDDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDDT WABCDT7APPB  
 ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
 Antenna 99999999999999

Due to interference to the following station and scenario: 8

8D NJ NEW BRUNSWICK BPCDDT WNJBBDT4082  
 ERP 40.82 kW HAAT 218.0 m RCAMSL 281.0 m  
 Antenna CDB 00000000084640

Percent Service lost without proposal:	0.0	to BPCDDT	WNJBBDT4082
Percent Service lost with proposal:	12.1	to BPCDDT	WNJBBDT4082

Result key: 42  
Scenario 9 Affected station 10  
Before Analysis

Results for: 8A NJ NEW BRUNSWICK BPCDT WNJBBDT4082 APP  
HAAT 218.0 m, ATV ERP 40.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20668171	26517.0
not affected by terrain losses	19916767	24007.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1717634	2893.1
lost to ATV IX only	1717634	2893.1
lost to all IX	1717634	2893.1

Potential Interfering Stations Included in above Scenario 9

8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA LANCASTER	BPCDDT	20090710AKB	CP
9A PA BETHLEHEM	BMPCDDT	20100105AAH	APP
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BPCDT WNJBBDT4082 APP  
HAAT 218.0 m, ATV ERP 40.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20668171	26517.0
not affected by terrain losses	19916767	24007.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3931605	3979.9
lost to ATV IX only	3931605	3979.9
lost to all IX	3931605	3979.9

Potential Interfering Stations Included in above Scenario 9

8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA LANCASTER	BPCDDT	20090710AKB	CP
9A PA BETHLEHEM	BMPCDDT	20100105AAH	APP
7A NY NEW YORK	BPCDDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDDT WABCDT7APPB  
ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
Antenna 99999999999999

Due to interference to the following station and scenario: 9

8D NJ NEW BRUNSWICK BPCDDT WNJBBDT4082  
ERP 40.82 kW HAAT 218.0 m RCAMSL 281.0 m  
Antenna CDB 00000000084640

Percent Service lost without proposal:	0.0	to BPCDDT	WNJBBDT4082
Percent Service lost with proposal:	12.2	to BPCDDT	WNJBBDT4082

Result key: 43  
Scenario 10 Affected station 10  
Before Analysis

Results for: 8A NJ NEW BRUNSWICK BPCDT WNJBBDT4082 APP  
HAAT 218.0 m, ATV ERP 40.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20668171	26517.0
not affected by terrain losses	19916767	24007.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1717634	2893.1
lost to ATV IX only	1717634	2893.1
lost to all IX	1717634	2893.1

Potential Interfering Stations Included in above Scenario 10

8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA LANCASTER	BPCDDT	20090710AKB	CP
9A PA BETHLEHEM	BMPCDDT	20100105AAH	APP
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BPCDT WNJBBDT4082 APP  
HAAT 218.0 m, ATV ERP 40.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20668171	26517.0
not affected by terrain losses	19916767	24007.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3931605	3979.9
lost to ATV IX only	3931605	3979.9
lost to all IX	3931605	3979.9

Potential Interfering Stations Included in above Scenario 10

8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA LANCASTER	BPCDDT	20090710AKB	CP
9A PA BETHLEHEM	BMPCDDT	20100105AAH	APP
7A NY NEW YORK	BPCDDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDDT WABCDT7APPB  
ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
Antenna 9999999999999999

Due to interference to the following station and scenario: 10

8D NJ NEW BRUNSWICK BPCDDT WNJBBDT4082  
ERP 40.82 kW HAAT 218.0 m RCAMSL 281.0 m  
Antenna CDB 00000000084640

Percent Service lost without proposal:	0.0	to BPCDDT	WNJBBDT4082
Percent Service lost with proposal:	12.2	to BPCDDT	WNJBBDT4082

Proposed station is MX

7A NY NEW YORK	BPCDT	WABCDT7APPB	APP
8A NJ NEW BRUNSWICK	BPCDT	WNJBDT4082	APP

Proposal MX with BPCDT      WNJBDT4082      scenario      1 of station      10

Proposed station is MX

7A NY NEW YORK	BPCDT	WABCDT7APPB	APP
8A NJ NEW BRUNSWICK	BPCDT	WNJBDT4082	APP

Proposal MX with BPCDT      WNJBDT4082      scenario      2 of station      10

#####

Analysis of Interference to Affected Station 11

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	WNJB	NEW BRUNSWICK NJ	BPCDT	-WNJBAPPB202

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	WXXA-DR	ALBANY NY	226.5	GRANT	BPRM	-20000718AAA
07	WXXA-TV	ALBANY NY	226.5	LIC	BLCDDT	-20051222AAQ
07	WBNG-TV	BINGHAMTON NY	200.3	LIC	BLCDDT	-20060329ACH
07	WABC-TV	NEW YORK NY	45.9	APP	BPCDDT	-WABCDT7APPB
07	WABC-TV	NEW YORK NY	42.6	PLN	DTVPLN	-DTVP0350
08	WICZ-TV	BINGHAMTON NY	199.7	LIC	BLCDDT	-20060320AFC
08	WWCP-TV	JOHNSTOWN PA	396.3	CP MOD	BMPCDDT	-20080620AIX
08	WGAL	LANCASTER PA	190.7	APP	BPCDDT	-20100111AER
08	WGAL	LANCASTER PA	190.7	CP	BPCDDT	-20090710AKB
09	WEDN	NORWICH CT	219.8	LIC	BLEDDT	-20090618ACB
09	WEDN-DR	NORWICH CT	219.8	APP	BPRM	-20040109AEI
09	WBPH-TV	BETHLEHEM PA	79.2	CP	BPCDDT	-20080619ALA
09	WBPH-DT	BETHLEHEM PA	79.2	GRANT	BPRM	-20011130AHC
09	WBPH-TV	BETHLEHEM PA	79.2	LIC	BLCDDT	-20060609AAH
09	WBPH-TV	BETHLEHEM PA	78.8	APP	BMPCDDT	-20100105AAH
09	WBPH-TV	BETHLEHEM PA	78.8	APP	BMPCDDT	-20100105AAH
07	WXXA-DR	ALBANY NY	226.5	GRANT	BPRM	-20000718AAA
07	WXXA-TV	ALBANY NY	226.5	LIC	BLCDDT	-20051222AAQ
07	WBNG-TV	BINGHAMTON NY	200.3	LIC	BLCDDT	-20060329ACH
07	WABC-TV	NEW YORK NY	45.9	APP	BPCDDT	-WABCDT7APPB
07	WABC-TV	NEW YORK NY	42.6	PLN	DTVPLN	-DTVP0350
08	WICZ-TV	BINGHAMTON NY	199.7	LIC	BLCDDT	-20060320AFC
08	WWCP-TV	JOHNSTOWN PA	396.3	CP MOD	BMPCDDT	-20080620AIX
08	WGAL	LANCASTER PA	190.7	APP	BPCDDT	-20100111AER
08	WGAL	LANCASTER PA	190.7	CP	BPCDDT	-20090710AKB
09	WEDN	NORWICH CT	219.8	LIC	BLEDDT	-20090618ACB
09	WEDN-DR	NORWICH CT	219.8	APP	BPRM	-20040109AEI
09	WBPH-TV	BETHLEHEM PA	79.2	CP	BPCDDT	-20080619ALA
09	WBPH-DT	BETHLEHEM PA	79.2	GRANT	BPRM	-20011130AHC
09	WBPH-TV	BETHLEHEM PA	79.2	LIC	BLCDDT	-20060609AAH
09	WBPH-TV	BETHLEHEM PA	78.8	APP	BMPCDDT	-20100105AAH
09	WBPH-TV	BETHLEHEM PA	78.8	APP	BMPCDDT	-20100105AAH

Total scenarios = 10

Result key: 44  
Scenario 1 Affected station 11  
Before Analysis

Results for: 8A NJ NEW BRUNSWICK BPCDT WNJBAPPB202 LIC  
HAAT 212.0 m, ATV ERP 20.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19448063	24839.8
not affected by terrain losses	18907218	22520.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2251135	2546.7
lost to ATV IX only	2251135	2546.7
lost to all IX	2251135	2546.7

Potential Interfering Stations Included in above Scenario 1

8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA LANCASTER	BPCDDT	20090710AKB	CP
9A PA BETHLEHEM	BPCDDT	20080619ALA	CP
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BPCDT WNJBAPPB202 LIC  
HAAT 212.0 m, ATV ERP 20.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19448063	24839.8
not affected by terrain losses	18907218	22520.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5544734	3610.2
lost to ATV IX only	5544734	3610.2
lost to all IX	5544734	3610.2

Potential Interfering Stations Included in above Scenario 1

8A NY BINGHAMTON	BLCDDT	20060320AFC	LIC
8A PA LANCASTER	BPCDDT	20090710AKB	CP
9A PA BETHLEHEM	BPCDDT	20080619ALA	CP
7A NY NEW YORK	BPCDDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDDT WABCDT7APPB  
ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
Antenna 9999999999999999

Due to interference to the following station and scenario: 1

8D NJ NEW BRUNSWICK BPCDDT WNJBAPPB202  
ERP 20.20 kW HAAT 212.0 m RCAMSL 278.0 m  
Antenna CDB 00000000032754

Percent Service lost without proposal:	0.0	to BPCDDT	WNJBAPPB202
Percent Service lost with proposal:	19.8	to BPCDDT	WNJBAPPB202

Result key: 45  
Scenario 2 Affected station 11  
Before Analysis

Results for: 8A NJ NEW BRUNSWICK BPCDT WNJBAPPB202 LIC  
HAAT 212.0 m, ATV ERP 20.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19448063	24839.8
not affected by terrain losses	18907218	22520.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2200412	2131.0
lost to ATV IX only	2200412	2131.0
lost to all IX	2200412	2131.0

Potential Interfering Stations Included in above Scenario 2

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20090710AKB	CP
9A PA BETHLEHEM	BLCDT	20060609AAH	LIC
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BPCDT WNJBAPPB202 LIC  
HAAT 212.0 m, ATV ERP 20.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19448063	24839.8
not affected by terrain losses	18907218	22520.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5494011	3194.4
lost to ATV IX only	5494011	3194.4
lost to all IX	5494011	3194.4

Potential Interfering Stations Included in above Scenario 2

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20090710AKB	CP
9A PA BETHLEHEM	BLCDT	20060609AAH	LIC
7A NY NEW YORK	BPCDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDT WABCDT7APPB  
ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
Antenna 99999999999999

Due to interference to the following station and scenario: 2

8D NJ NEW BRUNSWICK BPCDT WNJBAPPB202  
ERP 20.20 kW HAAT 212.0 m RCAMSL 278.0 m  
Antenna CDB 00000000032754

Percent Service lost without proposal:	0.0	to BPCDT	WNJBAPPB202
Percent Service lost with proposal:	19.7	to BPCDT	WNJBAPPB202



Result key: 46  
Scenario 3 Affected station 11  
Before Analysis

Results for: 8A NJ NEW BRUNSWICK BPCDT WNJBAPPB202 LIC  
HAAT 212.0 m, ATV ERP 20.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19448063	24839.8
not affected by terrain losses	18907218	22520.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2462543	2942.6
lost to ATV IX only	2462543	2942.6
lost to all IX	2462543	2942.6

Potential Interfering Stations Included in above Scenario 3

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20100111AER	APP
9A PA BETHLEHEM	BPCDT	20080619ALA	CP
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BPCDT WNJBAPPB202 LIC  
HAAT 212.0 m, ATV ERP 20.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19448063	24839.8
not affected by terrain losses	18907218	22520.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5761002	3970.1
lost to ATV IX only	5761002	3970.1
lost to all IX	5761002	3970.1

Potential Interfering Stations Included in above Scenario 3

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20100111AER	APP
9A PA BETHLEHEM	BPCDT	20080619ALA	CP
7A NY NEW YORK	BPCDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDT WABCDT7APPB  
ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
Antenna 99999999999999

Due to interference to the following station and scenario: 3

8D NJ NEW BRUNSWICK BPCDT WNJBAPPB202  
ERP 20.20 kW HAAT 212.0 m RCAMSL 278.0 m  
Antenna CDB 00000000032754

Percent Service lost without proposal:	0.0	to BPCDT	WNJBAPPB202
Percent Service lost with proposal:	20.1	to BPCDT	WNJBAPPB202

Result key: 47  
 Scenario 4 Affected station 11  
 Before Analysis

Results for: 8A NJ NEW BRUNSWICK BPCDT WNJBAPPB202 LIC  
 HAAT 212.0 m, ATV ERP 20.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19448063	24839.8
not affected by terrain losses	18907218	22520.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2422561	2578.7
lost to ATV IX only	2422561	2578.7
lost to all IX	2422561	2578.7

Potential Interfering Stations Included in above Scenario 4

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20100111AER	APP
9A PA BETHLEHEM	BPRM	20011130AHC	GRA
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BPCDT WNJBAPPB202 LIC  
 HAAT 212.0 m, ATV ERP 20.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19448063	24839.8
not affected by terrain losses	18907218	22520.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5721020	3606.2
lost to ATV IX only	5721020	3606.2
lost to all IX	5721020	3606.2

Potential Interfering Stations Included in above Scenario 4

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20100111AER	APP
9A PA BETHLEHEM	BPRM	20011130AHC	GRA
7A NY NEW YORK	BPCDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDT WABCDT7APPB  
 ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
 Antenna 99999999999999

Due to interference to the following station and scenario: 4

8D NJ NEW BRUNSWICK BPCDT WNJBAPPB202  
 ERP 20.20 kW HAAT 212.0 m RCAMSL 278.0 m  
 Antenna CDB 00000000032754

Percent Service lost without proposal:	0.0	to BPCDT	WNJBAPPB202
Percent Service lost with proposal:	20.0	to BPCDT	WNJBAPPB202

Result key: 48  
Scenario 5 Affected station 11  
Before Analysis

Results for: 8A NJ NEW BRUNSWICK BPCDT WNJBAPPB202 LIC  
HAAT 212.0 m, ATV ERP 20.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19448063	24839.8
not affected by terrain losses	18907218	22520.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2425397	2582.7
lost to ATV IX only	2425397	2582.7
lost to all IX	2425397	2582.7

Potential Interfering Stations Included in above Scenario 5

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20100111AER	APP
9A PA BETHLEHEM	BLCDT	20060609AAH	LIC
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BPCDT WNJBAPPB202 LIC  
HAAT 212.0 m, ATV ERP 20.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19448063	24839.8
not affected by terrain losses	18907218	22520.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5723856	3610.2
lost to ATV IX only	5723856	3610.2
lost to all IX	5723856	3610.2

Potential Interfering Stations Included in above Scenario 5

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20100111AER	APP
9A PA BETHLEHEM	BLCDT	20060609AAH	LIC
7A NY NEW YORK	BPCDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDT WABCDT7APPB  
ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
Antenna 99999999999999

Due to interference to the following station and scenario: 5

8D NJ NEW BRUNSWICK BPCDT WNJBAPPB202  
ERP 20.20 kW HAAT 212.0 m RCAMSL 278.0 m  
Antenna CDB 00000000032754

Percent Service lost without proposal:	0.0	to BPCDT	WNJBAPPB202
Percent Service lost with proposal:	20.0	to BPCDT	WNJBAPPB202

Result key: 49  
Scenario 6 Affected station 11  
Before Analysis

Results for: 8A NJ NEW BRUNSWICK BPCDT WNJBAPPB202 LIC  
HAAT 212.0 m, ATV ERP 20.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19448063	24839.8
not affected by terrain losses	18907218	22520.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2460238	2994.5
lost to ATV IX only	2460238	2994.5
lost to all IX	2460238	2994.5

Potential Interfering Stations Included in above Scenario 6

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20100111AER	APP
9A PA BETHLEHEM	BMPCDT	20100105AAH	APP
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BPCDT WNJBAPPB202 LIC  
HAAT 212.0 m, ATV ERP 20.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19448063	24839.8
not affected by terrain losses	18907218	22520.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5758697	4022.0
lost to ATV IX only	5758697	4022.0
lost to all IX	5758697	4022.0

Potential Interfering Stations Included in above Scenario 6

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20100111AER	APP
9A PA BETHLEHEM	BMPCDT	20100105AAH	APP
7A NY NEW YORK	BPCDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDT WABCDT7APPB  
ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
Antenna 99999999999999

Due to interference to the following station and scenario: 6

8D NJ NEW BRUNSWICK BPCDT WNJBAPPB202  
ERP 20.20 kW HAAT 212.0 m RCAMSL 278.0 m  
Antenna CDB 0000000032754

Percent Service lost without proposal:	0.0	to BPCDT	WNJBAPPB202
Percent Service lost with proposal:	20.1	to BPCDT	WNJBAPPB202

Result key: 50  
Scenario 7 Affected station 11  
Before Analysis

Results for: 8A NJ NEW BRUNSWICK BPCDT WNJBAPPB202 LIC  
HAAT 212.0 m, ATV ERP 20.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19448063	24839.8
not affected by terrain losses	18907218	22520.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2460238	2994.5
lost to ATV IX only	2460238	2994.5
lost to all IX	2460238	2994.5

Potential Interfering Stations Included in above Scenario 7

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20100111AER	APP
9A PA BETHLEHEM	BMPCDT	20100105AAH	APP
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BPCDT WNJBAPPB202 LIC  
HAAT 212.0 m, ATV ERP 20.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19448063	24839.8
not affected by terrain losses	18907218	22520.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5758697	4022.0
lost to ATV IX only	5758697	4022.0
lost to all IX	5758697	4022.0

Potential Interfering Stations Included in above Scenario 7

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20100111AER	APP
9A PA BETHLEHEM	BMPCDT	20100105AAH	APP
7A NY NEW YORK	BPCDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDT WABCDT7APPB  
ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
Antenna 99999999999999

Due to interference to the following station and scenario: 7

8D NJ NEW BRUNSWICK BPCDT WNJBAPPB202  
ERP 20.20 kW HAAT 212.0 m RCAMSL 278.0 m  
Antenna CDB 0000000032754

Percent Service lost without proposal:	0.0	to BPCDT	WNJBAPPB202
Percent Service lost with proposal:	20.1	to BPCDT	WNJBAPPB202

Result key: 51  
Scenario 8 Affected station 11  
Before Analysis

Results for: 8A NJ NEW BRUNSWICK BPCDT WNJBAPPB202 LIC  
HAAT 212.0 m, ATV ERP 20.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19448063	24839.8
not affected by terrain losses	18907218	22520.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2197576	2127.0
lost to ATV IX only	2197576	2127.0
lost to all IX	2197576	2127.0

Potential Interfering Stations Included in above Scenario 8

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20090710AKB	CP
9A PA BETHLEHEM	BPRM	20011130AHC	GRA
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BPCDT WNJBAPPB202 LIC  
HAAT 212.0 m, ATV ERP 20.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19448063	24839.8
not affected by terrain losses	18907218	22520.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5491175	3190.4
lost to ATV IX only	5491175	3190.4
lost to all IX	5491175	3190.4

Potential Interfering Stations Included in above Scenario 8

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20090710AKB	CP
9A PA BETHLEHEM	BPRM	20011130AHC	GRA
7A NY NEW YORK	BPCDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDT WABCDT7APPB  
ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
Antenna 99999999999999

Due to interference to the following station and scenario: 8

8D NJ NEW BRUNSWICK BPCDT WNJBAPPB202  
ERP 20.20 kW HAAT 212.0 m RCAMSL 278.0 m  
Antenna CDB 0000000032754

Percent Service lost without proposal:	0.0	to BPCDT	WNJBAPPB202
Percent Service lost with proposal:	19.7	to BPCDT	WNJBAPPB202

Result key: 52  
Scenario 9 Affected station 11  
Before Analysis

Results for: 8A NJ NEW BRUNSWICK BPCDT WNJBAPPB202 LIC  
HAAT 212.0 m, ATV ERP 20.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19448063	24839.8
not affected by terrain losses	18907218	22520.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2251925	2598.7
lost to ATV IX only	2251925	2598.7
lost to all IX	2251925	2598.7

Potential Interfering Stations Included in above Scenario 9

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20090710AKB	CP
9A PA BETHLEHEM	BMPCDT	20100105AAH	APP
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BPCDT WNJBAPPB202 LIC  
HAAT 212.0 m, ATV ERP 20.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19448063	24839.8
not affected by terrain losses	18907218	22520.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5545524	3662.2
lost to ATV IX only	5545524	3662.2
lost to all IX	5545524	3662.2

Potential Interfering Stations Included in above Scenario 9

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20090710AKB	CP
9A PA BETHLEHEM	BMPCDT	20100105AAH	APP
7A NY NEW YORK	BPCDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDT WABCDT7APPB  
ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
Antenna 99999999999999

Due to interference to the following station and scenario: 9

8D NJ NEW BRUNSWICK BPCDT WNJBAPPB202  
ERP 20.20 kW HAAT 212.0 m RCAMSL 278.0 m  
Antenna CDB 00000000032754

Percent Service lost without proposal:	0.0	to BPCDT	WNJBAPPB202
Percent Service lost with proposal:	19.8	to BPCDT	WNJBAPPB202

Result key: 53  
 Scenario 10 Affected station 11  
 Before Analysis

Results for: 8A NJ NEW BRUNSWICK BPCDT WNJBAPPB202 LIC  
 HAAT 212.0 m, ATV ERP 20.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19448063	24839.8
not affected by terrain losses	18907218	22520.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2251925	2598.7
lost to ATV IX only	2251925	2598.7
lost to all IX	2251925	2598.7

Potential Interfering Stations Included in above Scenario 10

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20090710AKB	CP
9A PA BETHLEHEM	BMPCDT	20100105AAH	APP
7A NY NEW YORK	DTVPLN	DTVP0350	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BPCDT WNJBAPPB202 LIC  
 HAAT 212.0 m, ATV ERP 20.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19448063	24839.8
not affected by terrain losses	18907218	22520.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5545524	3662.2
lost to ATV IX only	5545524	3662.2
lost to all IX	5545524	3662.2

Potential Interfering Stations Included in above Scenario 10

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20090710AKB	CP
9A PA BETHLEHEM	BMPCDT	20100105AAH	APP
7A NY NEW YORK	BPCDT	WABCDT7APPB	APP

The following station failed the de minimis interference criteria.

7D NY NEW YORK BPCDT WABCDT7APPB  
 ERP 26.90 kW HAAT 405.0 m RCAMSL 418.5 m  
 Antenna 9999999999999999

Due to interference to the following station and scenario: 10

8D NJ NEW BRUNSWICK BPCDT WNJBAPPB202  
 ERP 20.20 kW HAAT 212.0 m RCAMSL 278.0 m  
 Antenna CDB 00000000032754

Percent Service lost without proposal: 0.0 to BPCDT WNJBAPPB202  
 Percent Service lost with proposal: 19.8 to BPCDT WNJBAPPB202

#####



Analysis of Interference to Affected Station 12

Analysis of current record

Channel	Call	City/State	Application Ref. No.
08	WICZ-TV	BINGHAMTON NY	BLCDT -20060320AFC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
07	WXXA-DR	ALBANY NY	171.0	GRANT	BPRM -20000718AAA
07	WXXA-TV	ALBANY NY	171.0	LIC	BLCDT -20051222AAQ
07	WBNG-TV	BINGHAMTON NY	0.7	LIC	BLCDT -20060329ACH
07	WVNY-TV	CARTHAGE NY	211.7	LIC	BLCDT -20090622AGM
07	WABC-TV	NEW YORK NY	218.6	APP	BPCDT -WABCDT7APPB
07	WABC-TV	NEW YORK NY	219.6	PLN	DTVPLN -DTVP0350
08	WNJB	NEW BRUNSWICK NJ	199.7	APP	BMPEDT -20100107ACX
08	WNJB	NEW BRUNSWICK NJ	199.7	CP MOD	BMPEDT -20090729ACO
08	WNJB	NEW BRUNSWICK NJ	199.7	APP	BPCDT -WNJBBDT4082
08	WNJB	NEW BRUNSWICK NJ	199.7	LIC	BPCDT -WNJBAPPB202
08	WWCP-TV	JOHNSTOWN PA	339.9	CP MOD	BMPCDT -20080620AIX
08	WGAL	LANCASTER PA	231.7	APP	BPCDT -20100111AER
08	WGAL	LANCASTER PA	231.7	CP	BPCDT -20090710AKB
09	WBPH-TV	BETHLEHEM PA	171.1	CP	BPCDT -20080619ALA
09	WBPH-DT	BETHLEHEM PA	171.1	GRANT	BPRM -20011130AHC
09	WBPH-TV	BETHLEHEM PA	171.1	LIC	BLCDT -20060609AAH
09	WBPH-TV	BETHLEHEM PA	170.9	APP	BMPCDT -20100105AAH
09	WBPH-TV	BETHLEHEM PA	170.9	APP	BMPCDT -20100105AAH
07	WXXA-DR	ALBANY NY	171.0	GRANT	BPRM -20000718AAA
07	WXXA-TV	ALBANY NY	171.0	LIC	BLCDT -20051222AAQ
07	WBNG-TV	BINGHAMTON NY	0.7	LIC	BLCDT -20060329ACH
07	WVNY-TV	CARTHAGE NY	211.7	LIC	BLCDT -20090622AGM
07	WABC-TV	NEW YORK NY	218.6	APP	BPCDT -WABCDT7APPB
07	WABC-TV	NEW YORK NY	219.6	PLN	DTVPLN -DTVP0350
08	WNJB	NEW BRUNSWICK NJ	199.7	APP	BMPEDT -20100107ACX
08	WNJB	NEW BRUNSWICK NJ	199.7	CP MOD	BMPEDT -20090729ACO
08	WNJB	NEW BRUNSWICK NJ	199.7	APP	BPCDT -WNJBBDT4082
08	WNJB	NEW BRUNSWICK NJ	199.7	LIC	BPCDT -WNJBAPPB202
08	WWCP-TV	JOHNSTOWN PA	339.9	CP MOD	BMPCDT -20080620AIX
08	WGAL	LANCASTER PA	231.7	APP	BPCDT -20100111AER
08	WGAL	LANCASTER PA	231.7	CP	BPCDT -20090710AKB
09	WBPH-TV	BETHLEHEM PA	171.1	CP	BPCDT -20080619ALA
09	WBPH-DT	BETHLEHEM PA	171.1	GRANT	BPRM -20011130AHC
09	WBPH-TV	BETHLEHEM PA	171.1	LIC	BLCDT -20060609AAH
09	WBPH-TV	BETHLEHEM PA	170.9	APP	BMPCDT -20100105AAH
09	WBPH-TV	BETHLEHEM PA	170.9	APP	BMPCDT -20100105AAH

Proposal causes no interference

#####

Calculations for Stations 13 through 24 repeat the results obtained for Stations 1 through 12 respectively, and are not repeated here.

#####

Analysis of Interference to Affected Station 25

DTV Baseline Analysis

Channel	Call	City/State	Application Ref. No.
07	WABC-TV	NEW YORK NY	DTVPLN -DTVP0350

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
------	------	------------	----------	--------	----------------------

Results for:	7A NY NEW YORK	DTVPLN	DTVP0350	PLN
HAA	491.0 m, ATV ERP	3.2 kW		
		POPULATION	AREA (sq km)	
within Noise Limited Contour		19475637	26404.5	
not affected by terrain losses		19297238	25374.6	
lost to NTSC IX		0	0.0	
lost to additional IX by ATV		0	0.0	
lost to ATV IX only		0	0.0	
lost to all IX		0	0.0	

Analysis of current record

Channel	Call	City/State	Application Ref. No.
07	WABC-TV	NEW YORK NY	BPCDT -WABCDT7APPB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
07	WJLA-TV	WASHINGTON DC	331.1	LIC	BLCDDT -20090615ABY
07	WJLA-TV	WASHINGTON DC	331.1	APP	BMPCDDT -20100624AHO
07	WXXA-DR	ALBANY NY	208.6	GRANT	BPRM -20000718AAA
07	WXXA-TV	ALBANY NY	208.6	LIC	BLCDDT -20051222AAQ
07	WBNG-TV	BINGHAMTON NY	219.2	LIC	BLCDDT -20060329ACH
07	WWNY-TV	CARTHAGE NY	384.0	LIC	BLCDDT -20090622AGM
08	WNJB	NEW BRUNSWICK NJ	45.9	APP	BMPEDT -20100107ACX
08	WNJB	NEW BRUNSWICK NJ	45.9	CP MOD	BMPEDT -20090729ACO
08	WNJB	NEW BRUNSWICK NJ	45.9	APP	BPCDDT -WNJBDDT4082
08	WNJB	NEW BRUNSWICK NJ	45.9	LIC	BPCDDT -WNJBAPPB202
08	WICZ-TV	BINGHAMTON NY	218.6	LIC	BLCDDT -20060320AFC
07	WJLA-TV	WASHINGTON DC	331.1	LIC	BLCDDT -20090615ABY
07	WJLA-TV	WASHINGTON DC	331.1	APP	BMPCDDT -20100624AHO
07	WXXA-DR	ALBANY NY	208.6	GRANT	BPRM -20000718AAA
07	WXXA-TV	ALBANY NY	208.6	LIC	BLCDDT -20051222AAQ
07	WBNG-TV	BINGHAMTON NY	219.2	LIC	BLCDDT -20060329ACH
07	WWNY-TV	CARTHAGE NY	384.0	LIC	BLCDDT -20090622AGM
08	WNJB	NEW BRUNSWICK NJ	45.9	APP	BMPEDT -20100107ACX
08	WNJB	NEW BRUNSWICK NJ	45.9	CP MOD	BMPEDT -20090729ACO
08	WNJB	NEW BRUNSWICK NJ	45.9	APP	BPCDDT -WNJBDDT4082
08	WNJB	NEW BRUNSWICK NJ	45.9	LIC	BPCDDT -WNJBAPPB202
08	WICZ-TV	BINGHAMTON NY	218.6	LIC	BLCDDT -20060320AFC

Total scenarios = 16

Result key: 107  
Scenario 1 Affected station 25  
Before Analysis

Results for: 7A NY NEW YORK BPCDT WABCDT7APPB APP  
HAAT 405.0 m, ATV ERP 26.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	21031052	36935.9
not affected by terrain losses	20539750	34637.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	163221	925.8
lost to ATV IX only	163221	925.8
lost to all IX	163221	925.8

Potential Interferring Stations Included in above Scenario 1

7A DC WASHINGTON	BLCDT	20090615ABY	LIC
7A NY ALBANY	BLCDT	20051222AAQ	LIC
7A NY BINGHAMTON	BLCDT	20060329ACH	LIC
7A NY CARTHAGE	BLCDT	20090622AGM	LIC
8A NJ NEW BRUNSWICK	BMPEDT	20090729ACO	CP

Result key: 108  
Scenario 2 Affected station 25  
Before Analysis

Results for: 7A NY NEW YORK BPCDT WABCDT7APPB APP  
HAAT 405.0 m, ATV ERP 26.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	21031052	36935.9
not affected by terrain losses	20539750	34637.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	169561	969.7
lost to ATV IX only	169561	969.7
lost to all IX	169561	969.7

Potential Interferring Stations Included in above Scenario 2

7A DC WASHINGTON	BLCDT	20090615ABY	LIC
7A NY ALBANY	BLCDT	20051222AAQ	LIC
7A NY BINGHAMTON	BLCDT	20060329ACH	LIC
7A NY CARTHAGE	BLCDT	20090622AGM	LIC
8A NJ NEW BRUNSWICK	BPCDT	WNJBAPPB202	LIC

Result key: 109  
Scenario 3 Affected station 25  
Before Analysis

Results for: 7A NY NEW YORK BPCDT WABCDT7APPB APP  
HAAT 405.0 m, ATV ERP 26.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	21031052	36935.9
not affected by terrain losses	20539750	34637.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	168474	969.7
lost to ATV IX only	168474	969.7
lost to all IX	168474	969.7

Potential Interferring Stations Included in above Scenario 3

7A DC WASHINGTON	BLCDT	20090615ABY	LIC
7A NY ALBANY	BPRM	20000718AAA	GRA
7A NY BINGHAMTON	BLCDT	20060329ACH	LIC
7A NY CARTHAGE	BLCDT	20090622AGM	LIC
8A NJ NEW BRUNSWICK	BMPEDT	20100107ACX	APP

Result key: 110  
Scenario 4 Affected station 25  
Before Analysis

Results for: 7A NY NEW YORK BPCDT WABCDT7APPB APP  
HAAT 405.0 m, ATV ERP 26.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	21031052	36935.9
not affected by terrain losses	20539750	34637.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	163221	925.8
lost to ATV IX only	163221	925.8
lost to all IX	163221	925.8

Potential Interferring Stations Included in above Scenario 4

7A DC WASHINGTON	BLCDT	20090615ABY	LIC
7A NY ALBANY	BPRM	20000718AAA	GRA
7A NY BINGHAMTON	BLCDT	20060329ACH	LIC
7A NY CARTHAGE	BLCDT	20090622AGM	LIC
8A NJ NEW BRUNSWICK	BMPEDT	20090729ACO	CP

Result key: 111  
Scenario 5 Affected station 25  
Before Analysis

Results for: 7A NY NEW YORK BPCDT WABCDT7APPB APP  
HAAT 405.0 m, ATV ERP 26.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	21031052	36935.9
not affected by terrain losses	20539750	34637.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	207377	1181.2
lost to ATV IX only	207377	1181.2
lost to all IX	207377	1181.2

Potential Interferring Stations Included in above Scenario 5

7A DC WASHINGTON	BLCDT	20090615ABY	LIC
7A NY ALBANY	BPRM	20000718AAA	GRA
7A NY BINGHAMTON	BLCDT	20060329ACH	LIC
7A NY CARTHAGE	BLCDT	20090622AGM	LIC
8A NJ NEW BRUNSWICK	BPCDT	WNJBBDT4082	APP

Result key: 112  
Scenario 6 Affected station 25  
Before Analysis

Results for: 7A NY NEW YORK BPCDT WABCDT7APPB APP  
HAAT 405.0 m, ATV ERP 26.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	21031052	36935.9
not affected by terrain losses	20539750	34637.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	169561	969.7
lost to ATV IX only	169561	969.7
lost to all IX	169561	969.7

Potential Interferring Stations Included in above Scenario 6

7A DC WASHINGTON	BLCDT	20090615ABY	LIC
7A NY ALBANY	BPRM	20000718AAA	GRA
7A NY BINGHAMTON	BLCDT	20060329ACH	LIC
7A NY CARTHAGE	BLCDT	20090622AGM	LIC
8A NJ NEW BRUNSWICK	BPCDT	WNJBAPPB202	LIC

Result key: 113  
Scenario 7 Affected station 25  
Before Analysis

Results for: 7A NY NEW YORK BPCDT WABCDT7APPB APP  
HAAT 405.0 m, ATV ERP 26.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	21031052	36935.9
not affected by terrain losses	20539750	34637.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	168474	969.7
lost to ATV IX only	168474	969.7
lost to all IX	168474	969.7

Potential Interferring Stations Included in above Scenario 7

7A DC WASHINGTON	BLCDT	20090615ABY	LIC
7A NY ALBANY	BLCDT	20051222AAQ	LIC
7A NY BINGHAMTON	BLCDT	20060329ACH	LIC
7A NY CARTHAGE	BLCDT	20090622AGM	LIC
8A NJ NEW BRUNSWICK	BMPEDT	20100107ACX	APP

Result key: 114  
Scenario 8 Affected station 25  
Before Analysis

Results for: 7A NY NEW YORK BPCDT WABCDT7APPB APP  
HAAT 405.0 m, ATV ERP 26.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	21031052	36935.9
not affected by terrain losses	20539750	34637.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	207377	1181.2
lost to ATV IX only	207377	1181.2
lost to all IX	207377	1181.2

Potential Interferring Stations Included in above Scenario 8

7A DC WASHINGTON	BLCDT	20090615ABY	LIC
7A NY ALBANY	BLCDT	20051222AAQ	LIC
7A NY BINGHAMTON	BLCDT	20060329ACH	LIC
7A NY CARTHAGE	BLCDT	20090622AGM	LIC
8A NJ NEW BRUNSWICK	BPCDT	WNJBTD4082	APP

Result key: 115  
Scenario 9 Affected station 25  
Before Analysis

Results for: 7A NY NEW YORK BPCDT WABCDT7APPB APP  
HAAT 405.0 m, ATV ERP 26.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	21031052	36935.9
not affected by terrain losses	20539750	34637.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	187092	1041.5
lost to ATV IX only	187092	1041.5
lost to all IX	187092	1041.5

Potential Interferring Stations Included in above Scenario 9

7A DC WASHINGTON	BMPCDT	20100624AHO	APP
7A NY ALBANY	BPRM	20000718AAA	GRA
7A NY BINGHAMTON	BLCDT	20060329ACH	LIC
7A NY CARTHAGE	BLCDT	20090622AGM	LIC
8A NJ NEW BRUNSWICK	BMPEDT	20100107ACX	APP

Result key: 116  
Scenario 10 Affected station 25  
Before Analysis

Results for: 7A NY NEW YORK BPCDT WABCDT7APPB APP  
HAAT 405.0 m, ATV ERP 26.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	21031052	36935.9
not affected by terrain losses	20539750	34637.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	181839	997.6
lost to ATV IX only	181839	997.6
lost to all IX	181839	997.6

Potential Interferring Stations Included in above Scenario 10

7A DC WASHINGTON	BMPCDT	20100624AHO	APP
7A NY ALBANY	BPRM	20000718AAA	GRA
7A NY BINGHAMTON	BLCDT	20060329ACH	LIC
7A NY CARTHAGE	BLCDT	20090622AGM	LIC
8A NJ NEW BRUNSWICK	BMPEDT	20090729ACO	CP

Result key: 117  
Scenario 11 Affected station 25  
Before Analysis

Results for: 7A NY NEW YORK BPCDT WABCDT7APPB APP  
HAAT 405.0 m, ATV ERP 26.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	21031052	36935.9
not affected by terrain losses	20539750	34637.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	225995	1253.0
lost to ATV IX only	225995	1253.0
lost to all IX	225995	1253.0

Potential Interferring Stations Included in above Scenario 11

7A DC WASHINGTON	BMPCDT	20100624AHO	APP
7A NY ALBANY	BPRM	20000718AAA	GRA
7A NY BINGHAMTON	BLCDT	20060329ACH	LIC
7A NY CARTHAGE	BLCDT	20090622AGM	LIC
8A NJ NEW BRUNSWICK	BPCDT	WNJBBDT4082	APP

Result key: 118  
Scenario 12 Affected station 25  
Before Analysis

Results for: 7A NY NEW YORK BPCDT WABCDT7APPB APP  
HAAT 405.0 m, ATV ERP 26.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	21031052	36935.9
not affected by terrain losses	20539750	34637.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	188179	1041.5
lost to ATV IX only	188179	1041.5
lost to all IX	188179	1041.5

Potential Interferring Stations Included in above Scenario 12

7A DC WASHINGTON	BMPCDT	20100624AHO	APP
7A NY ALBANY	BPRM	20000718AAA	GRA
7A NY BINGHAMTON	BLCDT	20060329ACH	LIC
7A NY CARTHAGE	BLCDT	20090622AGM	LIC
8A NJ NEW BRUNSWICK	BPCDT	WNJBAPPB202	LIC



Result key: 119  
Scenario 13 Affected station 25  
Before Analysis

Results for: 7A NY NEW YORK BPCDT WABCDT7APPB APP  
HAAT 405.0 m, ATV ERP 26.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	21031052	36935.9
not affected by terrain losses	20539750	34637.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	187092	1041.5
lost to ATV IX only	187092	1041.5
lost to all IX	187092	1041.5

Potential Interferring Stations Included in above Scenario 13

7A DC WASHINGTON	BMPCDT	20100624AHO	APP
7A NY ALBANY	BLCDT	20051222AAQ	LIC
7A NY BINGHAMTON	BLCDT	20060329ACH	LIC
7A NY CARTHAGE	BLCDT	20090622AGM	LIC
8A NJ NEW BRUNSWICK	BMPEDT	20100107ACX	APP

Result key: 120  
Scenario 14 Affected station 25  
Before Analysis

Results for: 7A NY NEW YORK BPCDT WABCDT7APPB APP  
HAAT 405.0 m, ATV ERP 26.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	21031052	36935.9
not affected by terrain losses	20539750	34637.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	181839	997.6
lost to ATV IX only	181839	997.6
lost to all IX	181839	997.6

Potential Interferring Stations Included in above Scenario 14

7A DC WASHINGTON	BMPCDT	20100624AHO	APP
7A NY ALBANY	BLCDT	20051222AAQ	LIC
7A NY BINGHAMTON	BLCDT	20060329ACH	LIC
7A NY CARTHAGE	BLCDT	20090622AGM	LIC
8A NJ NEW BRUNSWICK	BMPEDT	20090729ACO	CP

Result key: 121  
Scenario 15 Affected station 25  
Before Analysis

Results for: 7A NY NEW YORK BPCDT WABCDT7APPB APP  
HAAT 405.0 m, ATV ERP 26.9 kW  
POPULATION AREA (sq km)  
within Noise Limited Contour 21031052 36935.9  
not affected by terrain losses 20539750 34637.4  
lost to NTSC IX 0 0.0  
lost to additional IX by ATV 225995 1253.0  
lost to ATV IX only 225995 1253.0  
lost to all IX 225995 1253.0

Potential Interferring Stations Included in above Scenario 15

7A DC WASHINGTON	BMPCDT	20100624AHO	APP
7A NY ALBANY	BLCDT	20051222AAQ	LIC
7A NY BINGHAMTON	BLCDT	20060329ACH	LIC
7A NY CARTHAGE	BLCDT	20090622AGM	LIC
8A NJ NEW BRUNSWICK	BPCDT	WNJBBDT4082	APP

Result key: 122  
Scenario 16 Affected station 25  
Before Analysis

Results for: 7A NY NEW YORK BPCDT WABCDT7APPB APP  
HAAT 405.0 m, ATV ERP 26.9 kW  
POPULATION AREA (sq km)  
within Noise Limited Contour 21031052 36935.9  
not affected by terrain losses 20539750 34637.4  
lost to NTSC IX 0 0.0  
lost to additional IX by ATV 188179 1041.5  
lost to ATV IX only 188179 1041.5  
lost to all IX 188179 1041.5

Potential Interferring Stations Included in above Scenario 16

7A DC WASHINGTON	BMPCDT	20100624AHO	APP
7A NY ALBANY	BLCDT	20051222AAQ	LIC
7A NY BINGHAMTON	BLCDT	20060329ACH	LIC
7A NY CARTHAGE	BLCDT	20090622AGM	LIC
8A NJ NEW BRUNSWICK	BPCDT	WNJBAPPB202	LIC

#####

FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED

WABC Exhibit 3  
November 2010

## Exhibit 3

### Antenna Elevation Pattern Data

#### Exhibit Contents:

Pages 1 and 2: Antenna Elevation Pattern Plot

Page 3: Antenna Elevation Pattern Tabulation

The antenna in this Exhibit is a Dielectric Model

THA-O4-2H/8HUd2SP-2-HM

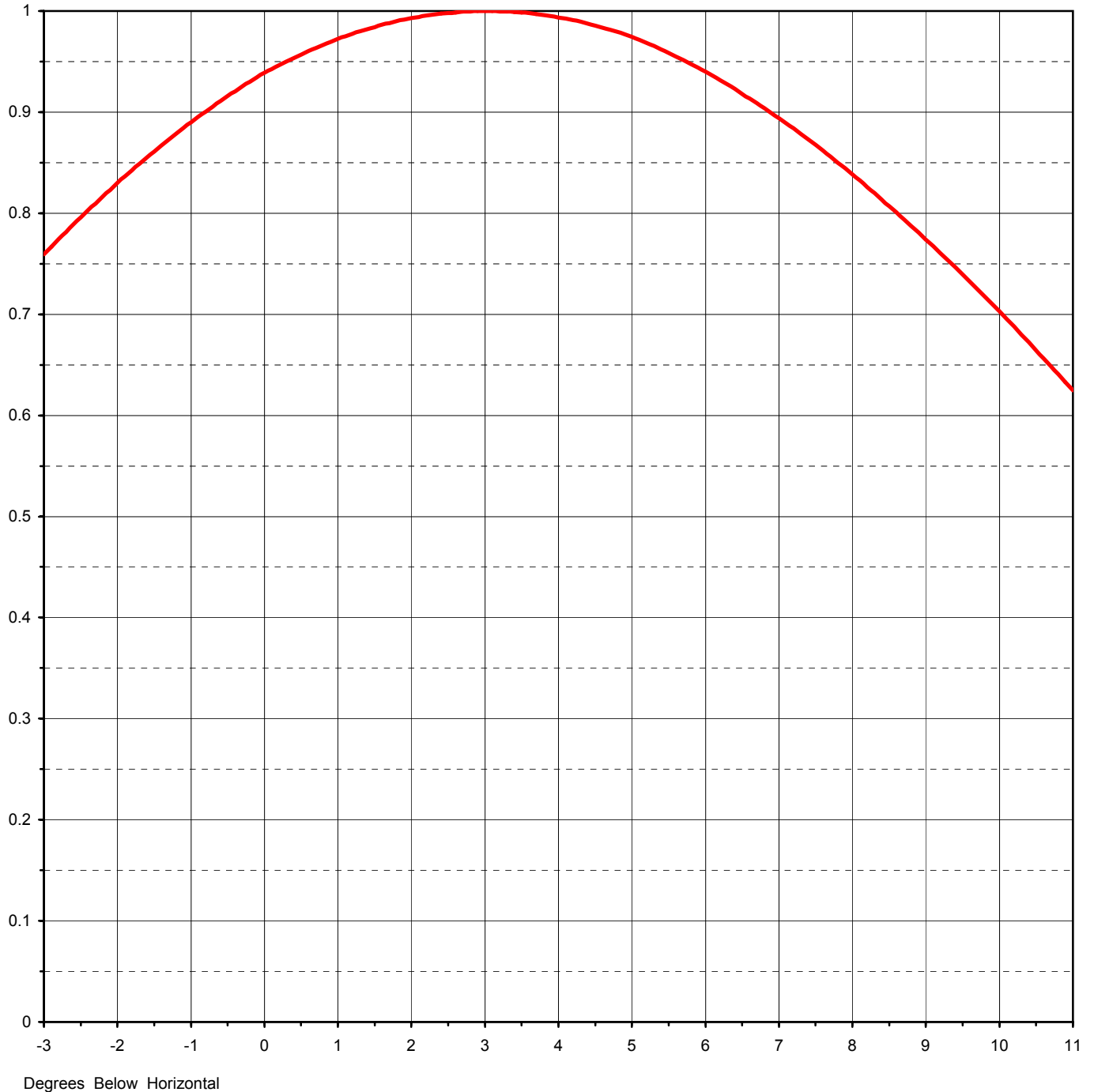
A non-directional antenna with three degrees of electrical beam tilt



Proposal Number	<b>DCA-10218</b>	Revision:	<b>4</b>
Date	<b>20-Dec-04</b>		
Call Letters		Channel	<b>7</b>
Location	<b>New York, NY</b>		
Customer			
Antenna Type	<b>THA-O4-2H/8UD2SP-2-HM</b>		

## ELEVATION PATTERN

RMS Gain at Main Lobe	<b>4.10</b>	<b>( 6.13 dB )</b>	Beam Tilt	<b>3.00 deg</b>
RMS Gain at Horizontal	<b>3.60</b>	<b>( 5.56 dB )</b>	Frequency	<b>177.00 MHz</b>
Calculated / Measured	<b>Calculated</b>		Drawing #	<b>04H041300</b>

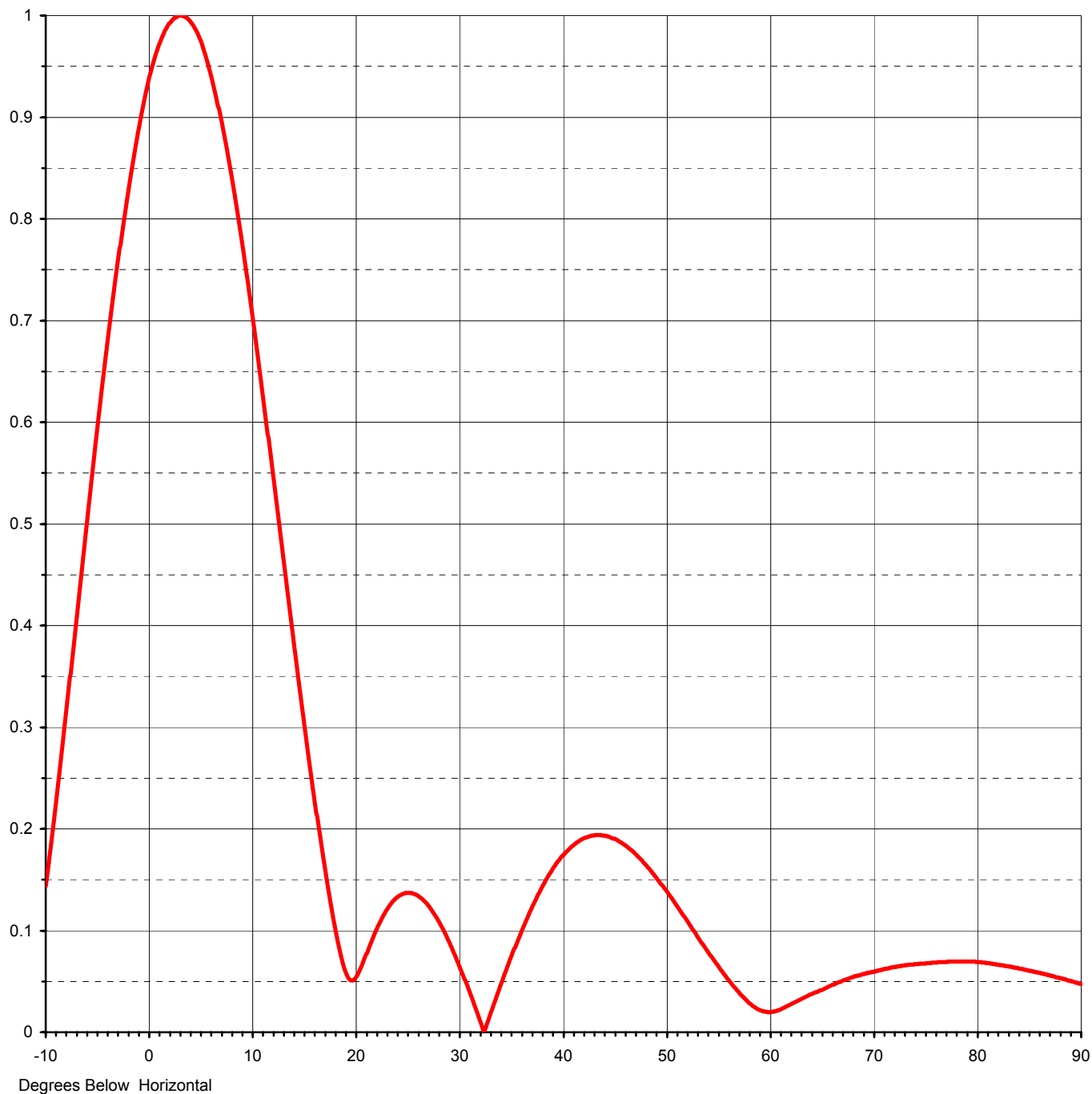




Proposal Number	<b>DCA-10218</b>	Revision:	<b>4</b>
Date	<b>20-Dec-04</b>		
Call Letters		Channel	<b>7</b>
Location	<b>New York, NY</b>		
Customer			
Antenna Type	<b>THA-O4-2H/8UD2SP-2-HM</b>		

## ELEVATION PATTERN

RMS Gain at Main Lobe	<b>4.10 ( 6.13 dB )</b>	Beam Tilt	<b>3.00 deg</b>
RMS Gain at Horizontal	<b>3.60 ( 5.56 dB )</b>	Frequency	<b>177.00 MHz</b>
Calculated / Measured	<b>Calculated</b>	Drawing #	<b>04H041300-90</b>





Proposal Number **DCA-10218** Revision: **4**  
Date **20-Dec-04**  
Call Letters Channel **7**  
Location **New York, NY**  
Customer  
Antenna Type **THA-O4-2H/8UD2SP-2-HM**

## TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing #: **04H041300-90**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.144	2.4	0.997	10.6	0.664	30.5	0.054	51.0	0.125	71.5	0.063
-9.5	0.183	2.6	0.999	10.8	0.649	31.0	0.040	51.5	0.118	72.0	0.064
-9.0	0.225	2.8	1.000	11.0	0.633	31.5	0.026	52.0	0.110	72.5	0.065
-8.5	0.270	3.0	1.000	11.5	0.592	32.0	0.012	52.5	0.102	73.0	0.066
-8.0	0.316	3.2	1.000	12.0	0.552	32.5	0.002	53.0	0.095	73.5	0.066
-7.5	0.363	3.4	0.999	12.5	0.511	33.0	0.016	53.5	0.087	74.0	0.067
-7.0	0.410	3.6	0.998	13.0	0.470	33.5	0.031	54.0	0.080	74.5	0.067
-6.5	0.457	3.8	0.996	13.5	0.429	34.0	0.045	54.5	0.072	75.0	0.068
-6.0	0.504	4.0	0.994	14.0	0.388	34.5	0.059	55.0	0.065	75.5	0.068
-5.5	0.550	4.2	0.991	14.5	0.348	35.0	0.073	55.5	0.058	76.0	0.069
-5.0	0.596	4.4	0.988	15.0	0.309	35.5	0.086	56.0	0.052	76.5	0.069
-4.5	0.639	4.6	0.984	15.5	0.271	36.0	0.098	56.5	0.045	77.0	0.069
-4.0	0.681	4.8	0.979	16.0	0.234	36.5	0.110	57.0	0.040	77.5	0.069
-3.5	0.721	5.0	0.975	16.5	0.198	37.0	0.122	57.5	0.034	78.0	0.069
-3.0	0.760	5.2	0.969	17.0	0.164	37.5	0.132	58.0	0.029	78.5	0.069
-2.8	0.774	5.4	0.962	17.5	0.133	38.0	0.142	58.5	0.025	79.0	0.069
-2.6	0.789	5.6	0.955	18.0	0.105	38.5	0.151	59.0	0.022	79.5	0.069
-2.4	0.803	5.8	0.948	18.5	0.080	39.0	0.159	59.5	0.020	80.0	0.069
-2.2	0.817	6.0	0.940	19.0	0.061	39.5	0.167	60.0	0.020	80.5	0.068
-2.0	0.830	6.2	0.932	19.5	0.051	40.0	0.173	60.5	0.021	81.0	0.068
-1.8	0.843	6.4	0.923	20.0	0.053	40.5	0.179	61.0	0.022	81.5	0.067
-1.6	0.855	6.6	0.914	20.5	0.062	41.0	0.184	61.5	0.024	82.0	0.066
-1.4	0.867	6.8	0.904	21.0	0.075	41.5	0.187	62.0	0.027	82.5	0.066
-1.2	0.879	7.0	0.894	21.5	0.088	42.0	0.190	62.5	0.030	83.0	0.065
-1.0	0.890	7.2	0.884	22.0	0.100	42.5	0.192	63.0	0.032	83.5	0.064
-0.8	0.901	7.4	0.873	22.5	0.111	43.0	0.193	63.5	0.035	84.0	0.063
-0.6	0.911	7.6	0.862	23.0	0.120	43.5	0.194	64.0	0.037	84.5	0.062
-0.4	0.921	7.8	0.850	23.5	0.127	44.0	0.193	64.5	0.040	85.0	0.060
-0.2	0.930	8.0	0.838	24.0	0.132	44.5	0.192	65.0	0.042	85.5	0.059
0.0	0.939	8.2	0.826	24.5	0.136	45.0	0.190	65.5	0.044	86.0	0.058
0.2	0.947	8.4	0.813	25.0	0.137	45.5	0.188	66.0	0.047	86.5	0.057
0.4	0.954	8.6	0.801	25.5	0.137	46.0	0.184	66.5	0.049	87.0	0.056
0.6	0.961	8.8	0.788	26.0	0.134	46.5	0.180	67.0	0.051	87.5	0.054
0.8	0.967	9.0	0.774	26.5	0.130	47.0	0.176	67.5	0.053	88.0	0.053
1.0	0.972	9.2	0.760	27.0	0.125	47.5	0.171	68.0	0.054	88.5	0.052
1.2	0.978	9.4	0.746	27.5	0.118	48.0	0.165	68.5	0.056	89.0	0.050
1.4	0.982	9.6	0.732	28.0	0.110	48.5	0.159	69.0	0.057	89.5	0.049
1.6	0.986	9.8	0.725	28.5	0.101	49.0	0.153	69.5	0.058	90.0	0.047
1.8	0.990	10.0	0.710	29.0	0.090	49.5	0.146	70.0	0.060		
2.0	0.993	10.2	0.695	29.5	0.079	50.0	0.139	70.5	0.061		
2.2	0.995	10.4	0.680	30.0	0.067	50.5	0.132	71.0	0.062		