

## **ENGINEERING EXHIBIT**

### **Request for Experimental Special Temporary Authorization**

prepared for

#### **Ion Media License Company LLC**

MTVA Experimental UHF  
One World Trade Center  
WPXN-TV New York, NY  
Facility ID 73356  
Ch. 32 230 kW 519 m

*Ion Media License Company LLC* (“*Ion*”) is the licensee of digital television station WPXN-TV, Channel 31, New York, NY, Facility ID 73356. WPXN-TV is a member of the Metropolitan Television Alliance (“MTVA”) which is a consortium of television stations operating in New York City. MTVA desires to conduct over-the-air tests of UHF and Hi-VHF television transmitting facilities to evaluate the use of the antenna mast atop the recently completed One World Trade Center (“1WTC”) in lower Manhattan. *Ion* herein requests Special Temporary Authorization (“STA”) for an experimental facility on Channel 32 at 1WTC to facilitate UHF signal testing as a member of and on behalf of MTVA. This statement supports *Ion*’s request for an experimental STA.

Along with WPXN-TV, the MTVA member stations are WABC-TV (Ch. 7, New York, NY), WPIX(DT) (Ch. 11, New York, NY), WNET(DT) (Ch. 13, Newark, NJ), WNBC(DT) (Ch. 28, New York, NY), WFUT-DT (Ch. 30, Newark, NJ), WCBS-TV (Ch. 33, New York, NY), WNJU(DT) (Ch. 36, Linden, NJ), WWOR-TV (Ch. 38, Secaucus, NJ), WXTV-DT (Ch. 40, Paterson, NY), and WNYW(DT) (Ch. 44, New York, NY). Most of the MTVA stations operated their analog facilities at the former World Trade Center location until its destruction on September 11, 2001. The currently authorized digital facilities for the MTVA stations are located at the Empire State Building (“ESB”), 4.6 km distant from the 1WTC location. As described in the FCC’s Incentive Auction<sup>1</sup>

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<sup>1</sup> ¶219, “*Expanding the Economic and Innovation Opportunities of Spectrum Through Incentive Auctions*,” Report and Order, GN Docket 12-268, FCC 14-50, released June 2, 2014.

proceeding, various of the MTVA stations are considering relocation to 1WTC and may elect to have their facilities protected through the incentive auction based on either their existing facilities at ESB or proposed facilities at 1WTC. Seven MTVA member stations operate on UHF channels and seek to develop reception data regarding any advantages or disadvantages provided by use of the 1WTC site as compared to the ESB location. To that end, and in coordination with 1WTC, the MTVA stations seek to conduct testing during overnight hours utilizing a temporary antenna mounted on the 1WTC mast at a power level representative of a prospective post-incentive auction UHF digital television facility. The STA sought herein will provide FCC authorization to conduct the UHF tests.<sup>2</sup>

The testing program will involve a series of receive locations within the New York metropolitan area. Locations within all of Manhattan are critical, particularly those beyond the “wall” of high-rise buildings at mid-Manhattan that are situated between the 1WTC and ESB site locations. Other receive locations will include surrounding areas in Queens and Brooklyn (to the east of Manhattan) and in New Jersey inshore from the Hudson River (to the west of Manhattan).

The proposed temporary transmitting antenna is highly directional, and consists of a single stack of eight panel radiators oriented in a single azimuth. The principal orientation of the antenna’s main lobe will be at 29 degrees True, which will align the antenna along Manhattan. The beamwidth of the antenna is approximately 52 degrees (+/- 26 degrees to the 3 dB points). During the portions of testing involving receive locations in New Jersey (slightly west) and in Queens and Brooklyn (slightly east), it is proposed to rotate the transmitting antenna to be oriented at those areas in order to achieve maximum power towards the receive locations. Two repositioned antenna orientations will be employed at times, at 359° T and 59° T, representing a +/- 30 degree rotation either side of the 29° T principal orientation.

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<sup>2</sup>A separate experimental STA (BDSTA-20141016ACR) has been obtained by *American Broadcasting Companies, Inc.*, licensee of MTVA member station WABC-TV, to conduct tests from 1WTC on VHF Channel 12.

## **Facility Technical Description**

A summary of the proposed experimental facility's technical specifications is supplied in Table 1. The transmission standard will be ATSC digital television as specified in §73.682(d). The proposed experimental facility will operate on UHF Channel 32 at a maximum effective radiated power of 230 kW with a directional antenna having a height above average terrain of 519 meters. The antenna will be attached to the 1WTC rooftop mast having FCC Antenna Structure Registration number 1263701. No change to the overall structure height will result from this proposal.

The proposed antenna is an RFS model PEP8A(VPT). This is a broadband antenna and will employ circular polarization. A plot of the directional antenna's azimuthal pattern is provided in Figure 1. Figure 1 depicts the directional antenna pattern at its principal orientation (29° T) as well as the repositioned orientations (359° T and 59° T). The antenna's elevation pattern plot is supplied in Figures 2 and 2A.

A coverage contour map is supplied as Figure 3 which depicts the standard 41 dBμ noise limited service contour ("NLSC") for the proposed experimental operation. The NLSC for the antenna's principal orientation (29° T) and the repositioned orientations (359° T and 59° T) are included on Figure 3, along with radials extending from the 1WTC site corresponding to the 359° T, 29° T, and 59° T orientations.

## **Interference Analysis**

Due to high spectrum usage in the UHF television band in the New York region, no UHF channel is available for this testing that would not have an interference conflict with one or more authorized full service, Class A, Low Power, or translator stations. Exhaustive channel studies, seeking to minimize the potential impact to other stations and identify a UHF channel in the lower portion of the existing UHF band, concluded that the best option for this testing is Channel 32. Although several stations are impacted beyond the FCC's 0.5 percent *de minimis* interference limit, all affected stations are cooperating with MTVA's testing plan and have provided written consent as needed.

Interference study per OET Bulletin 69<sup>3</sup> shows that the proposed facility would cause more than 0.5 percent new interference to the facilities listed in the following.

**Interference Study Results: OET Bulletin 69**  
**New interference percentage (population - 2000 census)**

Stations Impacted Beyond 0.5%	Antenna Rotation		
	Principal Orientation Reference 29° True	Repositioned Orientation -30 deg 359° True	Repositioned Orientation +30 deg 59° True
WXNY-LD Ch. 32 (Lic) LPTV BLDL-20090908ACO New York, NY; 7.0 km distant NY Spectrum Holding Company	79.77%	69.27%	85.19%
WPSG Ch. 32 Lic BLCDT-20021025AAS CP BPCDT-20111024ACS (unbuilt) Philadelphia, PA; 127.8 km distant CBS Broadcasting	Lic: 4.31% CP: 6.38%	Lic: 4.04% CP: 6.32%	Lic: 4.69% CP: 7.36%
WQPX-TV Ch. 32 Lic BLCDT-20060629AFR Scranton, PA; 164.8 km distant Ion Media	- ok -	0.82%	- ok -
WPXN-TV Ch. 31 Lic BLCDT-20110729AAQ New York, NY; 4.6 km distant Ion Media	- ok -	- ok -	0.76%
WNYW Ch. 32 (CP - unbuilt) Translator BDRTCDT-20140114ACL Newburgh, NY; 86.4 km distant Fox Television Stations	20.50%	21.23%	17.72%

The various impacted stations have agreed to the proposed experimental operation and are cooperating with MTVA as described here.

**WXNY-LD** Since WXNY-LD's service area includes the New York metropolitan area, it will not be possible for WXNY-LD to operate during the testing periods. The licensee of WXNY-LD has consented to the experimental operation. WXNY-LD will suspend operation during the specific overnight times and dates when the test transmissions will actually occur. WXNY-LD may operate normally all other times. MTVA representatives will be in direct communication with WXNY-LD during the testing program to coordinate testing at mutually agreeable times.

<sup>3</sup>FCC Office of Engineering and Technology Bulletin number 69, *Longley-Rice Methodology for Evaluating TV Coverage and Interference*, February 6, 2004 ("OET-69"). The implementation of OET-69 for this study followed the guidelines of OET-69 as specified therein. A standard cell size of 2 km was employed for full-service station analysis, and 1 km cells were employed for Class A, LPTV, and translator station analysis. Comparisons of various results of this computer program (run on a Sun Sparc processor) to the Commission's implementation of OET-69 show excellent correlation.

- WPSG** WPSG is commonly owned with MTVA member station WCBS-TV and consents to temporarily accepting up to 4.69 percent interference to its licensed facility. A statement of consent is attached. As to any loss of WPSG's service during the testing, Figure 4 supplies a map showing the predicted areas of new interference based on OET Bulletin 69. The areas where new interference would occur is within the NLSC of WPIX(DT) (Ch. 11, New York, NY) which carries the same network programming as WPSG (CW Network). Nearly all of the new interference areas are beyond WPSG's DMA (Philadelphia), and only 404 persons within the Philadelphia DMA are predicted to be affected by new interference (0.01 percent of WPSG's service population). The WPSG Construction Permit facility has not been built and will not be operational through the testing period.
- WQPX-TV** WQPX-TV is commonly owned by *Ion* with MTVA member station WPXN-TV and consents to temporarily accepting up to 0.82 percent interference. Predicted interference exceeding the 0.5 percent limit occurs only for the repositioned antenna orientation of 359° T.
- WPXN-TV** The applicant consents to its station WPXN-TV temporarily accepting up to 0.76 percent interference. Predicted interference exceeding the 0.5 percent limit occurs only for the repositioned antenna orientation of 59° T.
- WNYW** WNYW's full service operation is on Channel 44 and is unaffected by the proposed experimental Channel 32. A Construction Permit authorizes a digital replacement translator (BDRTCDT-20140114ACL) for WNYW on Channel 32 at Newburgh NY which would receive up to 21.3 percent interference from the proposed experimental Channel 32. WNYW is an MTVA member and advises that the translator's construction will occur after the planned testing program. Therefore, no actual interference will occur.

Any new interference to other digital television, low power television, television translator, and Class A television facilities does not exceed 0.5 percent. Complete interference study output reports are provided as Tables 2, 3 and 4 which correspond to the antenna orientation at 29° T (principal orientation) and the repositioned orientations of 359° T and 59° T, respectively.

The nearest FCC monitoring station is 295 km distant at Laurel, MD. This exceeds by a large margin the threshold minimum distance specified in §73.1030(c)(3) that would suggest consideration of the monitoring station. The site is not located within the areas requiring coordination with "quiet" zones specified in §73.1030(a) and (b). There are no authorized AM stations within 3 kilometers of the site.

The site is located 398 km from the U.S. – Canada border, just within the international coordination zone. However, FCC International Bureau staff has informally advised that U.S. proposals beyond 300 km from the border are no longer referred to Canada. Further, the worst-case 19.5 dBμ F(50,10) co-channel DTV-to-DTV interfering contour falls well short of reaching land area in Canada.

### **Human Exposure to Radiofrequency Electromagnetic Field (Environmental)**

The proposed operation was evaluated for human exposure to RF energy using the procedures outlined in the Commission's OET Bulletin Number. 65. Based on OET-65 equation (10), and assuming a maximum of 10 percent antenna relative field in downward elevations, the calculated signal density near the 1WTC building at two meters above ground level attributable to the proposed facility is  $0.6 \mu\text{W}/\text{cm}^2$ , which is 0.1 percent of the general population/uncontrolled maximum permitted exposure limit. This is well below the five percent threshold limit described in §1.1307(b)(3) regarding sites with multiple emitters, categorically excluding the applicant from responsibility for taking any corrective action in the areas where the proposal's contribution is less than five percent.

Access to the 1WTC rooftop, antenna support structure, and any areas within the building that may exceed exposure limits will be strictly controlled by the building owner. *Ion* and MTVA personnel will participate in the building's RF exposure safety program along with the other broadcasters and FCC licensees that may utilize the 1WTC as a transmission site. As necessary, based on calculations or actual measurements considering all emitters, exposure abatement procedures will be established. The RF safety program will be employed protecting maintenance and installation workers from excessive exposure when work must be performed in locations where high RF levels may be present. Such areas will be placed under strict restricted access and properly identified.

The general public will not be exposed to RF levels attributable to the proposal in excess of the FCC's guidelines. The applicant will coordinate exposure procedures with all pertinent stations

and will reduce power or cease operation as necessary to protect persons having access to the site, mast or antenna from RF electromagnetic field exposure in excess of FCC guidelines.

This exhibit is limited to the evaluation of exposure to RF electromagnetic field. The proposal involves use of a temporary transmitting antenna to be side-mounted to an existing rooftop mast. No change in structure height is proposed. All other §1.1307(a) matters are covered by the structure owner as certified in the associated FCC Antenna Structure Registration number 1263701.

### **Certification**

The undersigned hereby certifies that the foregoing statement and associated attachments were prepared by him or under his direction, and that they are true and correct to the best of his knowledge and belief.



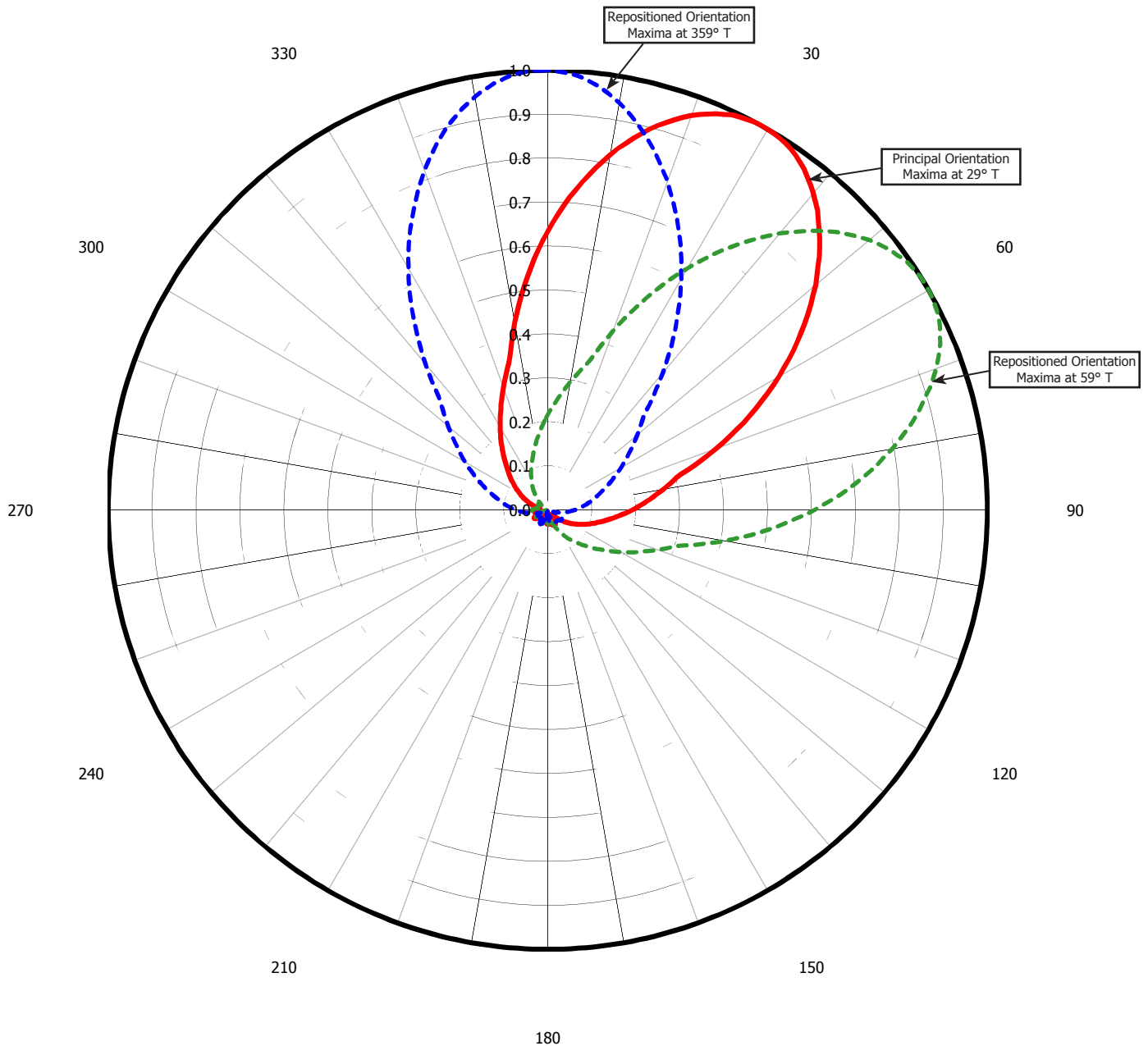
Joseph M. Davis, P.E.  
November 19, 2014

**Chesapeake RF Consultants, LLC**  
207 Old Dominion Road  
Yorktown, VA 23692  
703-650-9600

### List of Attachments

Figure 1	Antenna Azimuthal Pattern
Figure 2, 2A	Antenna Elevation Pattern
Figure 3	Proposed Coverage Contours
Figure 4	Predicted Coverage and Interference: Impact to WPSG
Table 1	Engineering Data
Table 2	STA OET Bulletin 69 Interference Study: 29° T Principal Orientation
Table 3	STA OET Bulletin 69 Interference Study: 359° T Repositioned Orientation
Table 4	STA OET Bulletin 69 Interference Study: 59° T Repositioned Orientation

# **Azimuth Pattern - Relative Field (True North)**



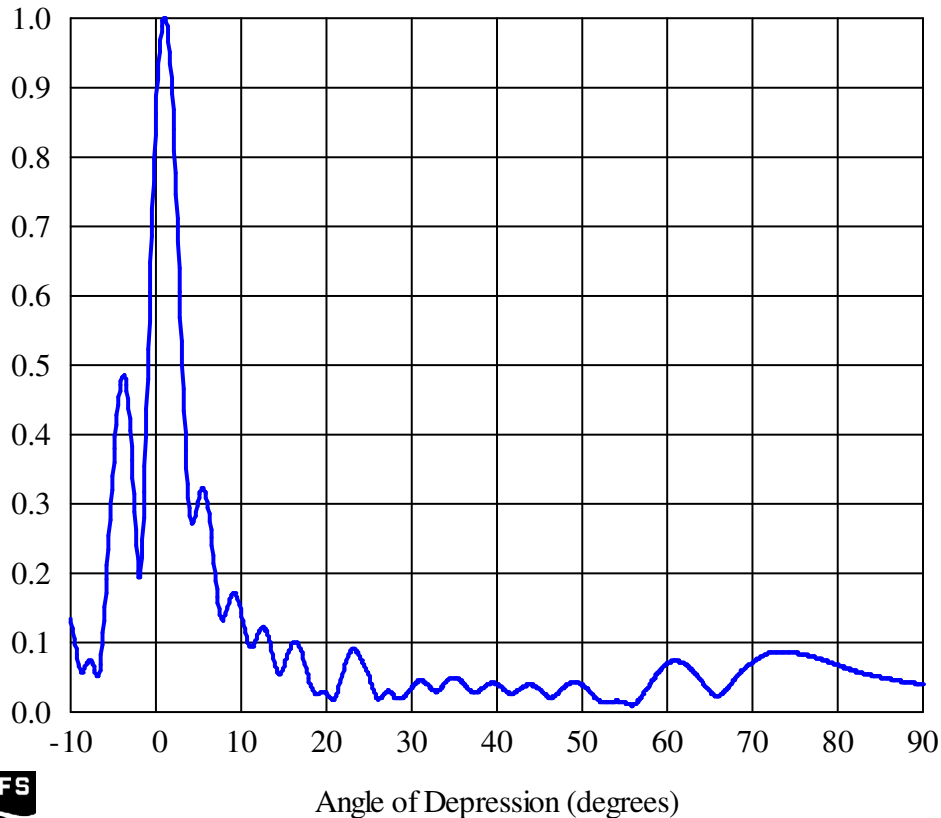
**Figure 1**  
**Antenna Azimuthal Pattern**  
**MTVA Experimental UHF**  
**One World Trade Center**  
**WPXN-TV New York, NY**  
**Facility ID 73356**  
**Ch. 32 230 kW 519 m**

prepared for  
**Ion Media License Company LLC**

November, 2014

E / Emax

## Vertical Radiation Pattern



Date : 11/13/2014  
Station : OWTC  
Model : PEP8A  
Frequency (MHz) : 581.00  
Directivity : 0.00 dBd  
Tilt : 1.0 degrees  
Azimuth Angle : 0 degrees  
Vertical Unit Pattern : el\_hpol\_581.pat



Angle of Depression (degrees)

**Figure 2**  
**Antenna Elevation Pattern**  
**MTVA Experimental UHF**  
**One World Trade Center**  
**WPXN-TV New York, NY**  
**Facility ID 73356**  
**Ch. 32 230 kW 519 m**

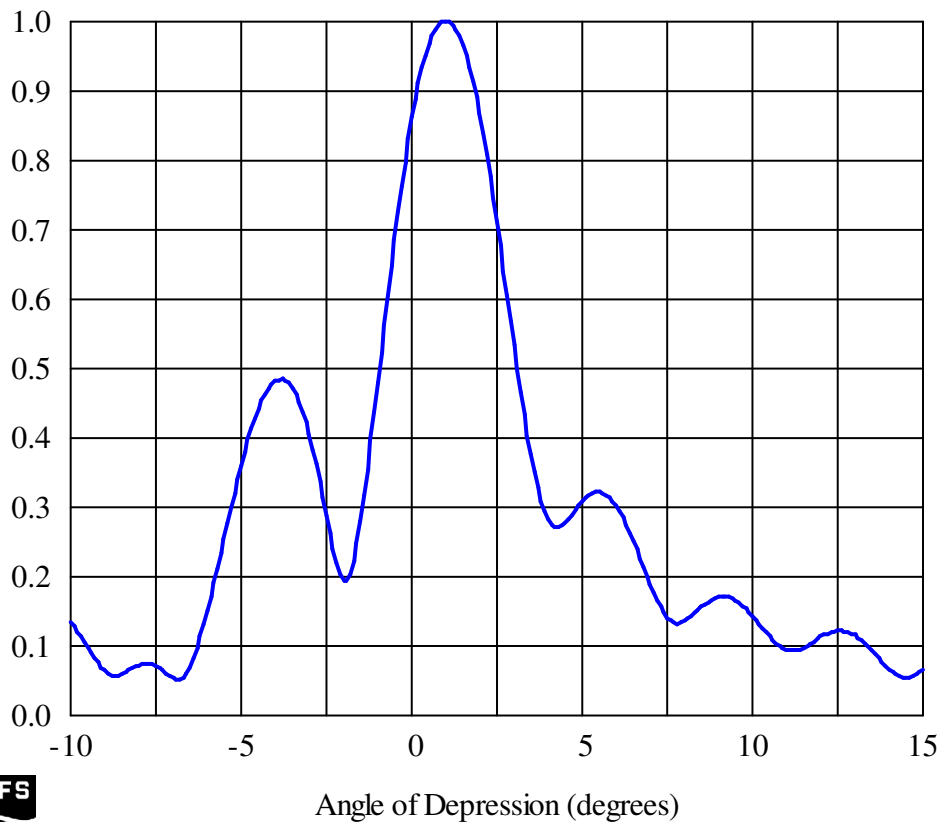
prepared for  
**Ion Media License Company LLC**

November, 2014



E / Emax

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Date : 11/13/2014  
Station : OWTC  
Model : PEP8A  
Frequency (MHz) : 581.00  
Directivity : 0.00 dBd  
Tilt : 1.0 degrees  
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Vertical Unit Pattern : el\_hpol\_581.pat



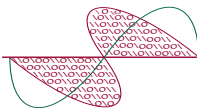
Angle of Depression (degrees)



**Figure 2A - Detail  
Antenna Elevation Pattern  
MTVA Experimental UHF  
One World Trade Center  
WPXN-TV New York, NY  
Facility ID 73356  
Ch. 32 230 kW 519 m**

prepared for  
**Ion Media License Company LLC**

November, 2014

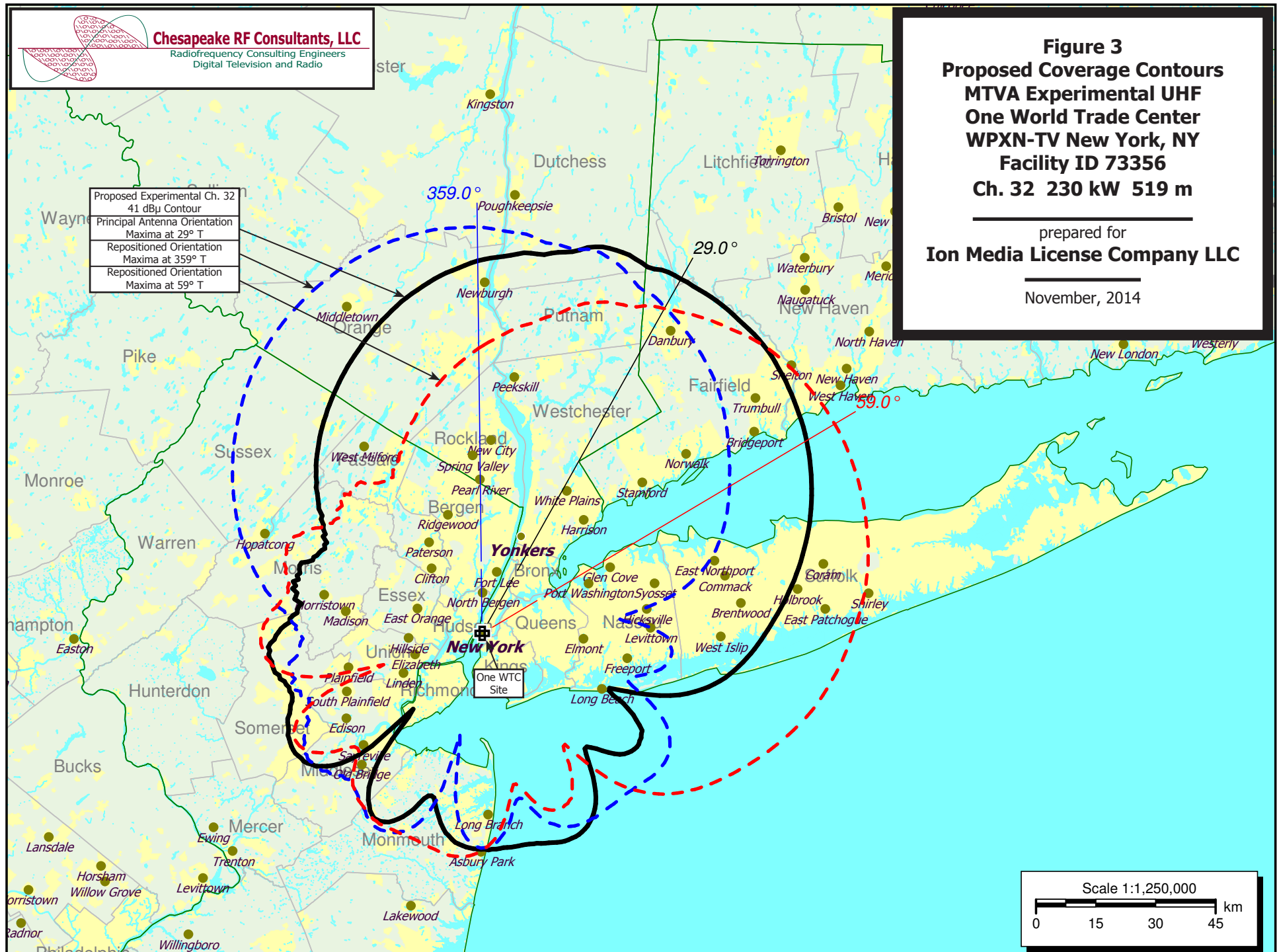


**Chesapeake RF Consultants, LLC**  
Radiofrequency Consulting Engineers  
Digital Television and Radio

**Figure 3**  
**Proposed Coverage Contours**  
**MTVA Experimental UHF**  
**One World Trade Center**  
**WPXN-TV New York, NY**  
**Facility ID 73356**  
**Ch. 32 230 kW 519 m**

prepared for  
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November, 2014



**Figure 4**  
**Predicted Coverage and Interference**  
**Impact to WPSG Philadelphia, PA**  
**MTVA Experimental UHF**  
**One World Trade Center**  
**WPXN-TV New York, NY**  
**Facility ID 73356**  
**Ch. 32 230 kW 519 m**

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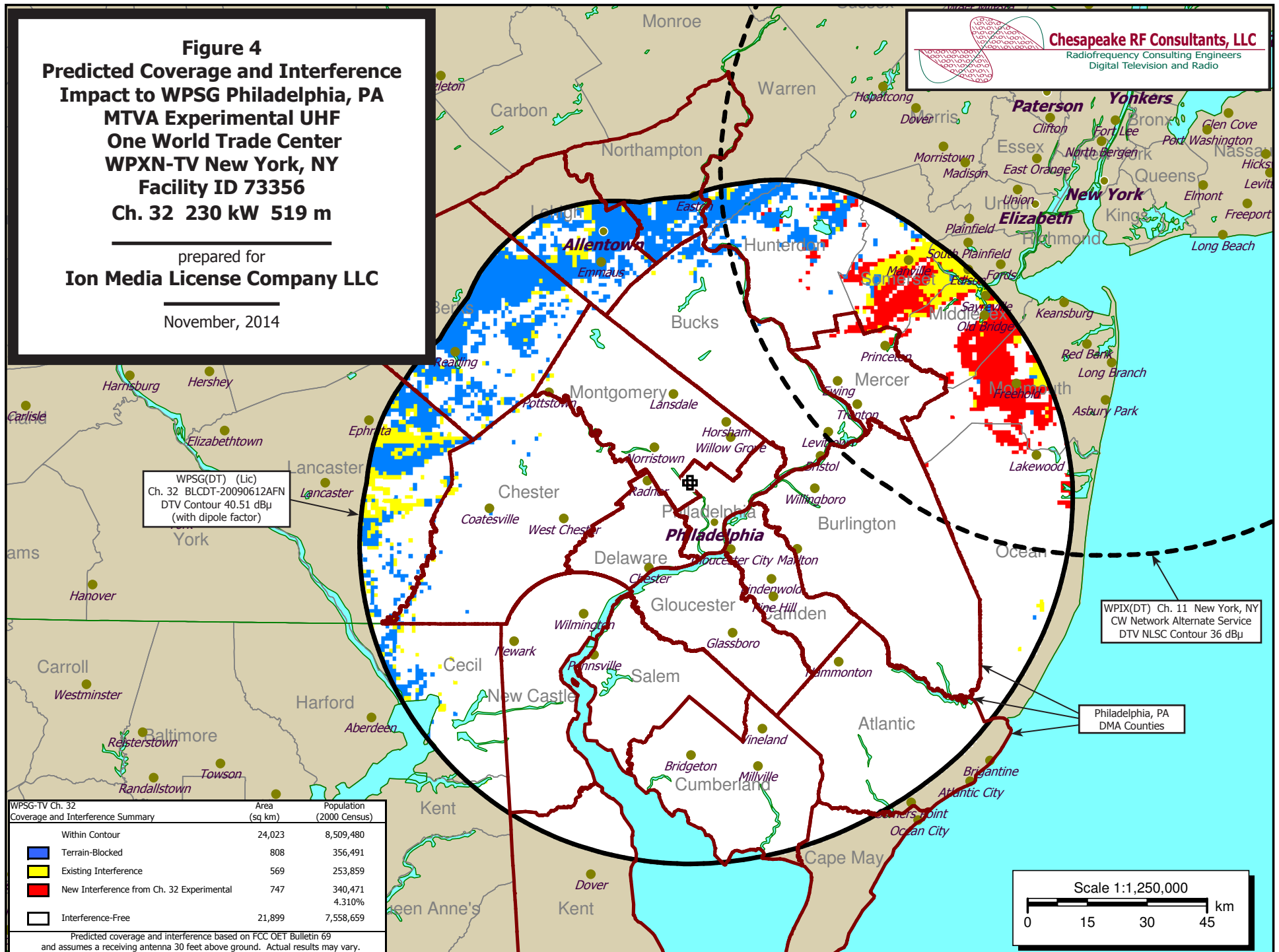


Table 1

**Engineering Data**

**Special Temporary Authority**

prepared for

**Ion Media License Company LLC**

MTVA Experimental UHF

One World Trade Center

WPXN-TV New York, NY

Channel:	32 (578-584 MHz)
Site Coordinates: (NAD-27)	N-Lat 40° 42' 46" W-Lon 74° 00' 49"
Antenna Structure Registration number	1263701
Site elevation above mean sea level:	4.3 m
Overall height above ground:	546.2 m
Antenna Radiation Center Height	
Above ground:	526.1 m
Above mean sea level:	530.4 m
Above average terrain:	519.1 m
Effective Radiated Power:	230 kW (23.62 dBk)
Antenna:	RFS PEP8A(VPT) Directional, Circularly polarized 1.0 degree electrical beamtilt

**Directional Antenna Azimuthal Pattern**

Pattern Rotation (degrees): 29 degrees (principal rotation)

Pattern Rotation (degrees): 359 degrees (repositioned rotation)

Pattern Rotation (degrees): 59 degrees (repositioned rotation)

Degrees	Rel Field	Degrees	Rel Field	Degrees	Rel Field	Degrees	Rel Field	Degrees	Rel Field	Degrees	Rel Field
0	1.000	10	0.950	20	0.811	30	0.626	40	0.427	50	0.274
60	0.199	70	0.141	80	0.099	90	0.065	100	0.037	110	0.014
120	0.032	130	0.038	140	0.032	150	0.032	160	0.026	170	0.014
180	0.031	190	0.011	200	0.025	210	0.036	220	0.026	230	0.029
240	0.027	250	0.019	260	0.041	270	0.070	280	0.105	290	0.149
300	0.210	310	0.287	320	0.413	330	0.614	340	0.804	350	0.945

**Table 2 STA OET Bulletin 69 Interference Study**

Antenna at Principal Orientation 29° True  
(worst-case scenarios shown page 1 of 22)



TW Census data selected 2000  
Data Base Selected  
/space/software/cdbs/pt\_tvdb.sff

## TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 10-21-2014 Time: 16:58:40

Record Selected for Analysis

STA-DT USERRECORD-01 NEW YORK NY US  
Channel 32 ERP 230. kW HAAT 519. m RCAMSL 00530 m  
Latitude 040-42-46 Longitude 0074-00-49  
Status APP Zone 1 Border Site number: 01  
Dir Antenna Make usr Model RFS\_PHP\_32panl Beam tilt N Ref Azimuth 29.  
Last update Cutoff date Docket  
Comments  
Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility (site # 01) meets maximum height/power limits

Site number	1		
Azimuth	ERP	HAAT	41.0 dBu F(50,90)
(Deg)	(kW)	(m)	(km)
0.0	92.158	511.9	93.7
45.0	172.729	529.1	100.4
90.0	8.585	508.4	76.0
135.0	0.124	519.9	50.0
180.0	0.227	522.8	53.7
225.0	0.086	519.6	47.7
270.0	0.158	521.3	51.4
315.0	3.971	516.6	71.1

Evaluation toward Class A Stations from site # 01

No Spacing violations or contour overlap  
to Class A stations from site # 01

Class A Evaluation Complete

Checks to Site Number 01

**Table 2 STA OET Bulletin 69 Interference Study**

Antenna at Principal Orientation 29° True  
(worst-case scenarios shown page 2 of 22)



Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is within the Canadian coordination distance  
Distance to border = 397.6km

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

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

Channel	Call	Proposed Station	City/State	ARN
32	STA-DT	NEW YORK NY		USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
24	W24BB	EAST STROUDSBURG PA	130.1	LIC	BLTTL	19911219JM
28	WFPA-CA	PHILADELPHIA PA	127.8	LIC	BLTTL	20000428ABK
31	WTIC-TV	HARTFORD CT	147.9	LIC	BLCDT	20101222AAE
31	WPPX-TV	WILMINGTON DE	127.6	LIC	BLCDT	20031203AFL
31	WPPX-TV	WILMINGTON DE	127.6	CP	BPCDT	20080620AMP
31	WPXN-TV	NEW YORK NY	0.0	APP	BMPCDT	20080620ALZ
31	WPXN-TV	NEW YORK NY	4.6	LIC	BLCDT	20110729AAQ
31	WSWB-DR	SCRANTON PA	164.7	APP	BPRM	20080619ALI
31	WSWB	SCRANTON PA	164.7	LIC	BLCDT	20140326AAZ
32	WBPX-TV	BOSTON MA	292.1	LIC	BLCDT	20040723ACG
32	WTAJ-TV	ALTOONA PA	373.8	LIC	BLCDT	20051018ACE
32	WPSG	PHILADELPHIA PA	127.6	LIC	BLCDT	20021025AAS
32	WPSG	PHILADELPHIA PA	127.6	CP	BPCDT	20111024ACS
32	WQPX-TV	SCRANTON PA	164.4	LIC	BLCDT	20060629AFR
33	WFSB	HARTFORD CT	155.3	CP	BPCDT	20110630AAH
33	WFSB	HARTFORD CT	155.3	LIC	BLCDT	20041029AIL
33	WCBS-TV	NEW YORK NY	4.6	LIC	BLCDT	20090612AFN
33	WCBS-TV	NEW YORK NY	0.0	APP	BMPCDT	20080619AAZ

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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
24	W24BB	EAST STROUDSBURG PA	BLTTL	-19911219JM

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	WPHL-TV	PHILADELPHIA PA	111.7	LIC	BLCDT	-20090918ABV

**Table 2 STA OET Bulletin 69 Interference Study**Antenna at Principal Orientation 29° True  
(worst-case scenarios shown page 3 of 22)

21	WHP-TV	HARRISBURG PA	137.7	LIC	BLCDT	-20130703ACZ
23	WLYH-TV	LANCASTER PA	117.3	LIC	BLCDT	-20040922AAC
24	WNYE-TV	NEW YORK NY	131.0	LIC	BLEDT	-20071228ABM
24	W24EF	PORT JERVIS NY	78.6	LIC	BLTTL	-20121024AAA
24	WSTM-TV	SYRACUSE NY	219.2	LIC	BLCDT	-20090622AEM
24	WATM-TV	ALTOONA PA	252.5	LIC	BLCDT	-20050603ACF
24	W24DB	CLARKS SUMMIT PA	49.2	LIC	BLTTA	-20041202ADB
24	WPHA-CD	PHILADELPHIA PA	111.8	APP	BMPDTA	-20120716AFD
24	WPHA-CD	PHILADELPHIA PA	111.8	CP MOD	BMPDTA	-20120925ADS
24	W24CS	READING PA	81.8	LIC	BLTT	-20030321AAO
24	WNVC	FAIRFAX VA	280.5	LIC	BLEDT	-20090612ACS
24	WVTA	WINDSOR VT	367.3	LIC	BLEDT	-20070307AAW
25	WTVE	READING PA	111.8	LIC	BLCDT	-20100405ABM
25	WTVE	READING PA	79.0	APP	BPCDT	-20100422ACQ
25	WTVE	READING PA	81.8	LIC	BLCDT	-20100405ABM
26	KYW-TV	PHILADELPHIA PA	111.6	LIC	BLCDT	-20090326ABH
27	WGTW-TV	BURLINGTON NJ	111.8	LIC	BLCDT	-20060105AAR
27	WTBY-TV	POUGHKEEPSIE NY	139.8	LIC	BLCDT	-20090902ACZ
28	WNBC	NEW YORK NY	131.3	LIC	BLCDT	-20080409AAM
28	WNBC	NEW YORK NY	130.1	APP	BPCDT	-20080620ADL
31	WPPX-TV	WILMINGTON DE	111.8	LIC	BLCDT	-20031203AFL
31	WPPX-TV	WILMINGTON DE	111.8	CP	BPCDT	-20080620AMP
31	WPXN-TV	NEW YORK NY	130.1	APP	BMPCDT	-20080620ALZ
31	WPXN-TV	NEW YORK NY	131.3	LIC	BLCDT	-20110729AAQ
31	WSWB-DR	SCRANTON PA	49.2	APP	BPRM	-20080619ALI
31	WSWB	SCRANTON PA	49.2	LIC	BLCDT	-20140326AAZ
32	WPSG	PHILADELPHIA PA	111.8	LIC	BLCDT	-20021025AAS
32	WPSG	PHILADELPHIA PA	111.8	CP	BPCDT	-20111024ACS
32	WQPX-TV	SCRANTON PA	49.0	LIC	BLCDT	-20060629AFR
38	WWOR-TV	SECAUCUS NJ	131.3	CP MOD	BMPCDT	-20040130A2R
38	WWOR-TV	SECAUCUS NJ	131.3	CP	BPCDT	-20121210ABN
39	WLVT-TV	ALLENTOWN PA	51.7	LIC	BLEDT	-20090605ABD
32	STA-DT	NEW YORK NY	130.1	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

#####

## Analysis of Interference to Affected Station 2

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
28	WPPA-CA	PHILADELPHIA PA	BLTTL -20000428ABK

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
21	WHP-TV	HARRISBURG PA	142.7	LIC	BLCDT -20130703ACZ
24	WNYE-TV	NEW YORK NY	132.5	LIC	BLEDT -20071228ABM
25	WTVE	READING PA	0.3	LIC	BLCDT -20100405ABM
25	WTVE	READING PA	50.6	APP	BPCDT -20100422ACQ
25	WTVE	READING PA	66.2	LIC	BLCDT -20100405ABM
26	KYW-TV	PHILADELPHIA PA	0.6	LIC	BLCDT -20090326ABH
27	WGTW-TV	BURLINGTON NJ	0.3	LIC	BLCDT -20060105AAR

**Table 2 STA OET Bulletin 69 Interference Study**Antenna at Principal Orientation 29° True  
(worst-case scenarios shown page 4 of 22)

28	WFPT	FREDERICK MD	197.6	LIC	BLEDT	-20090330AFA
28	WCPB	SALISBURY MD	186.3	LIC	BLEDT	-20090209AEM
28	WNBC	NEW YORK NY	132.0	LIC	BLCDT	-20080409AAM
28	WNBC	NEW YORK NY	127.8	APP	BPCDT	-20080620ADL
29	WUVP-DT	VINELAND NJ	0.3	LIC	BLCDT	-20090923ADS
29	WNYJ-TV	WEST MILFORD NJ	117.6	LIC	BLEDT	-20040712ACP
30	WFUT-DT	NEWARK NJ	132.0	LIC	BLCDT	-20090618ABZ
30	WGB-TV	RED LION PA	115.6	LIC	BLCDT	-20050615AAB
31	WPPX-TV	WILMINGTON DE	0.3	LIC	BLCDT	-20031203AFL
31	WPPX-TV	WILMINGTON DE	0.3	CP	BPCDT	-20080620AMP
31	WPXN-TV	NEW YORK NY	127.8	APP	BMPCDT	-20080620ALZ
31	WPXN-TV	NEW YORK NY	132.0	LIC	BLCDT	-20110729AAQ
32	WPSG	PHILADELPHIA PA	0.3	LIC	BLCDT	-20021025AAS
32	WPSG	PHILADELPHIA PA	0.3	CP	BPCDT	-20111024ACS
35	WYBE	PHILADELPHIA PA	0.3	LIC	BLEDT	-20091222ABE
36	WNJU	LINDEN NJ	119.2	LIC	BLCDT	-20080514ADL
36	WNJU	LINDEN NJ	132.0	CP	BPCDT	-20140917AFD
36	WMGM-TV	WILDWOOD NJ	109.4	LIC	BLCDT	-20060626ABE
36	WITF-TV	HARRISBURG PA	142.7	LIC	BLEDT	-20000922AHE
42	WZME	BRIDGEPORT CT	132.0	APP	BPCDT	-20120601ARY
42	WTFX-TV	PHILADELPHIA PA	0.2	LIC	BLCDT	-20120511ADN
43	WNJT	TRENTON NJ	54.0	LIC	BLEDT	-20110427ABE
32	STA-DT	NEW YORK NY	127.8	APP	USERRECORD-01	
42	WZME	BRIDGEPORT CT		APP	BPCDT	-20120601ARY

Proposed station is beyond the site to  
nearest cell evaluation distance

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## Analysis of Interference to Affected Station 3

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
31	WTIC-TV	HARTFORD CT	BLCDT -20101222AAE

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	WBZ-TV	BOSTON MA	148.0	LIC	BLCDT -20060420ABG
30	WFUT-DT	NEWARK NJ	143.4	LIC	BLCDT -20090618ABZ
31	WPPX-TV	WILMINGTON DE	273.7	LIC	BLCDT -20031203AFL
31	WPPX-TV	WILMINGTON DE	273.7	CP	BPCDT -20080620AMP
31	WFXT	BOSTON MA	149.0	LIC	BLCDT -20090422ABH
31	WPXN-TV	NEW YORK NY	147.9	APP	BMPCDT -20080620ALZ
31	WPXN-TV	NEW YORK NY	143.4	LIC	BLCDT -20110729AAQ
31	WSWB-DR	SCRANTON PA	242.7	APP	BPRM -20080619ALI
31	WSWB	SCRANTON PA	242.7	LIC	BLCDT -20140326AAZ
32	WBPX-TV	BOSTON MA	148.8	LIC	BLCDT -20040723ACG
32	STA-DT	NEW YORK NY	147.9	APP	USERRECORD-01

Total scenarios = 10

Result key: 7  
Scenario 7 Affected station 3

**Table 2 STA OET Bulletin 69 Interference Study**Antenna at Principal Orientation 29° True  
(worst-case scenarios shown page 5 of 22)

## Before Analysis

Results for: 31A CT HARTFORD	BLCDDT	20101222AAE	LIC
HAAT 506.0 m, ATV ERP 495.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	5076673	32573.6	
not affected by terrain losses	4478267	28770.7	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	723979	4313.4	
lost to ATV IX only	723979	4313.4	
lost to all IX	723979	4313.4	

Potential Interfering Stations Included in above Scenario 7

30A MA BOSTON	BLCDDT	20060420ABG	LIC
30A NJ NEWARK	BLCDDT	20090618ABZ	LIC
31A DE WILMINGTON	BPCDDT	20080620AMP	CP
31A MA BOSTON	BLCDDT	20090422ABH	LIC
31A NY NEW YORK	BMPCDDT	20080620ALZ	APP
31A PA SCRANTON	BPRM	20080619ALI	APP
31A PA SCRANTON	BLCDDT	20140326AAZ	LIC
32A MA BOSTON	BLCDDT	20040723ACG	LIC

## After Analysis

Results for: 31A CT HARTFORD	BLCDDT	20101222AAE	LIC
HAAT 506.0 m, ATV ERP 495.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	5076673	32573.6	
not affected by terrain losses	4478267	28770.7	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	724864	4317.4	
lost to ATV IX only	724864	4317.4	
lost to all IX	724864	4317.4	

Potential Interfering Stations Included in above Scenario 7

30A MA BOSTON	BLCDDT	20060420ABG	LIC
30A NJ NEWARK	BLCDDT	20090618ABZ	LIC
31A DE WILMINGTON	BPCDDT	20080620AMP	CP
31A MA BOSTON	BLCDDT	20090422ABH	LIC
31A NY NEW YORK	BMPCDDT	20080620ALZ	APP
31A PA SCRANTON	BPRM	20080619ALI	APP
31A PA SCRANTON	BLCDDT	20140326AAZ	LIC
32A MA BOSTON	BLCDDT	20040723ACG	LIC
32A NY NEW YORK	USERRECORD01	APP	

Percent new IX = 0.0236%

Worst case new IX 0.0236% Scenario 7

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Analysis of Interference to Affected Station 4

**Table 2 STA OET Bulletin 69 Interference Study**Antenna at Principal Orientation 29° True  
(worst-case scenarios shown page 6 of 22)

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
31	WPPX-TV	WILMINGTON DE	BLCDDT -20031203AFL

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	WFUT-DT	NEWARK NJ	131.8	LIC	BLCDDT -20090618ABZ
30	WGCB-TV	RED LION PA	115.7	LIC	BLCDDT -20050615AAB
31	WTIC-TV	HARTFORD CT	273.7	LIC	BLCDDT -20101222AAE
31	WFXT	BOSTON MA	419.6	LIC	BLCDDT -20090422ABH
31	WPXN-TV	NEW YORK NY	127.6	APP	BMPCDDT -20080620ALZ
31	WPXN-TV	NEW YORK NY	131.8	LIC	BLCDDT -20110729AAQ
31	WSWB-DR	SCRANTON PA	160.4	APP	BPRM -20080619ALI
31	WSWB	SCRANTON PA	160.4	LIC	BLCDDT -20140326AAZ
31	WAVY-TV	PORTSMOUTH VA	374.8	LIC	BLCDDT -20010409ABP
32	WPSG	PHILADELPHIA PA	0.0	LIC	BLCDDT -20021025AAS
32	WPSG	PHILADELPHIA PA	0.0	CP	BPCDDT -20111024ACS
32	WQPX-TV	SCRANTON PA	160.3	LIC	BLCDDT -20060629AFR
32	STA-DT	NEW YORK NY	127.6	APP	USERRECORD-01

Proposal causes no interference

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## Analysis of Interference to Affected Station 5

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
31	WPPX-TV	WILMINGTON DE	BPCDDT -20080620AMP

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	WFUT-DT	NEWARK NJ	131.8	LIC	BLCDDT -20090618ABZ
30	WGCB-TV	RED LION PA	115.7	LIC	BLCDDT -20050615AAB
31	WTIC-TV	HARTFORD CT	273.7	LIC	BLCDDT -20101222AAE
31	WFXT	BOSTON MA	419.6	LIC	BLCDDT -20090422ABH
31	WPXN-TV	NEW YORK NY	127.6	APP	BMPCDDT -20080620ALZ
31	WPXN-TV	NEW YORK NY	131.8	LIC	BLCDDT -20110729AAQ
31	WSWB-DR	SCRANTON PA	160.4	APP	BPRM -20080619ALI
31	WSWB	SCRANTON PA	160.4	LIC	BLCDDT -20140326AAZ
31	WAVY-TV	PORTSMOUTH VA	374.8	LIC	BLCDDT -20010409ABP
32	WPSG	PHILADELPHIA PA	0.0	LIC	BLCDDT -20021025AAS
32	WPSG	PHILADELPHIA PA	0.0	CP	BPCDDT -20111024ACS
32	WQPX-TV	SCRANTON PA	160.3	LIC	BLCDDT -20060629AFR
32	STA-DT	NEW YORK NY	127.6	APP	USERRECORD-01

Proposal causes no interference

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## Analysis of Interference to Affected Station 6

## Analysis of current record

**Table 2 STA OET Bulletin 69 Interference Study**Antenna at Principal Orientation 29° True  
(worst-case scenarios shown page 7 of 22)

Channel	Call	City/State	Application	Ref. No.
31	WPXN-TV	NEW YORK NY	BMPCDT	-20080620ALZ

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist (km)	Status	Application	Ref. No.
30	WFUT-DT	NEWARK NJ	4.6	LIC	BLCDDT	-20090618ABZ
31	WTIC-TV	HARTFORD CT	147.9	LIC	BLCDDT	-20101222AAE
31	WPPX-TV	WILMINGTON DE	127.6	LIC	BLCDDT	-20031203AFL
31	WPPX-TV	WILMINGTON DE	127.6	CP	BPCDDT	-20080620AMP
31	WFXT	BOSTON MA	292.1	LIC	BLCDDT	-20090422ABH
31	WSWB-DR	SCRANTON PA	164.7	APP	BPRM	-20080619ALI
31	WSWB	SCRANTON PA	164.7	LIC	BLCDDT	-20140326AAZ
32	WPSG	PHILADELPHIA PA	127.6	LIC	BLCDDT	-20021025AAS
32	WPSG	PHILADELPHIA PA	127.6	CP	BPCDDT	-20111024ACS
32	WQPX-TV	SCRANTON PA	164.4	LIC	BLCDDT	-20060629AFR
32	STA-DT	NEW YORK NY	0.0	APP	USERRECORD-01	

Total scenarios = 12

Result key: 13  
Scenario 3 Affected station 6  
Before Analysis

Results for: 31A NY NEW YORK	BMPCDT	20080620ALZ	APP
HAAT 458.0 m, ATV ERP 285.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	19606703	27346.1	
not affected by terrain losses	19277919	25574.1	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	1679460	6178.0	
lost to ATV IX only	1679460	6178.0	
lost to all IX	1679460	6178.0	

Potential Interfering Stations Included in above Scenario 3

30A NJ NEWARK	BLCDDT	20090618ABZ	LIC
31A CT HARTFORD	BLCDDT	20101222AAE	LIC
31A DE WILMINGTON	BPCDDT	20080620AMP	CP
31A MA BOSTON	BLCDDT	20090422ABH	LIC
31A PA SCRANTON	BLCDDT	20140326AAZ	LIC
32A PA PHILADELPHIA	BLCDDT	20021025AAS	LIC

## After Analysis

Results for: 31A NY NEW YORK	BMPCDT	20080620ALZ	APP
HAAT 458.0 m, ATV ERP 285.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	19606703	27346.1	
not affected by terrain losses	19277919	25574.1	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	1689487	6202.0	
lost to ATV IX only	1689487	6202.0	
lost to all IX	1689487	6202.0	

Potential Interfering Stations Included in above Scenario 3

**Table 2 STA OET Bulletin 69 Interference Study**Antenna at Principal Orientation 29° True  
(worst-case scenarios shown page 8 of 22)

30A NJ NEWARK	BLCDDT	20090618ABZ	LIC
31A CT HARTFORD	BLCDDT	20101222AAE	LIC
31A DE WILMINGTON	BPCDDT	20080620AMP	CP
31A MA BOSTON	BLCDDT	20090422ABH	LIC
31A PA SCRANTON	BLCDDT	20140326AAZ	LIC
32A PA PHILADELPHIA	BLCDDT	20021025AAS	LIC
32A NY NEW YORK	USERRECORD01		APP

Percent new IX = 0.0570%

Worst case new IX 0.0570% Scenario 3

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Analysis of Interference to Affected Station 7

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
31	WPXN-TV	NEW YORK NY	BLCDDT	-20110729AAQ

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist (km)	Status	Application	Ref. No.
30	WFUT-DT	NEWARK NJ	0.0	LIC	BLCDDT	-20090618ABZ
31	WTIC-TV	HARTFORD CT	143.4	LIC	BLCDDT	-20101222AAE
31	WPPX-TV	WILMINGTON DE	131.8	LIC	BLCDDT	-20031203AFL
31	WPPX-TV	WILMINGTON DE	131.8	CP	BPCDDT	-20080620AMP
31	WFXT	BOSTON MA	287.9	LIC	BLCDDT	-20090422ABH
31	WSWB-DR	SCRANTON PA	164.8	APP	BPRM	-20080619ALI
31	WSWB	SCRANTON PA	164.8	LIC	BLCDDT	-20140326AAZ
32	WPSG	PHILADELPHIA PA	131.8	LIC	BLCDDT	-20021025AAS
32	WPSG	PHILADELPHIA PA	131.8	CP	BPCDDT	-20111024ACS
32	WQPX-TV	SCRANTON PA	164.5	LIC	BLCDDT	-20060629AFR
32	STA-DT	NEW YORK NY	4.6	APP	USERRECORD-01	

Total scenarios = 12

Result key: 27  
Scenario 5 Affected station 7  
Before Analysis

Results for: 31A NY NEW YORK	BLCDDT	20110729AAQ	LIC
HAAT 360.0 m, ATV ERP 180.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	18942632	22172.6	
not affected by terrain losses	18688290	20784.3	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	1191242	3717.0	
lost to ATV IX only	1191242	3717.0	
lost to all IX	1191242	3717.0	

Potential Interfering Stations Included in above Scenario 5

31A CT HARTFORD	BLCDDT	20101222AAE	LIC
31A DE WILMINGTON	BLCDDT	20031203AFL	LIC

**Table 2 STA OET Bulletin 69 Interference Study**Antenna at Principal Orientation 29° True  
(worst-case scenarios shown page 9 of 22)

31A MA BOSTON	BLCDT	20090422ABH	LIC
31A PA SCRANTON	BPRM	20080619ALI	APP
31A PA SCRANTON	BLCDT	20140326AAZ	LIC
32A PA PHILADELPHIA	BLCDT	20021025AAS	LIC

After Analysis

Results for: 31A NY NEW YORK BLCDT 20110729AAQ LIC  
HAAT 360.0 m, ATV ERP 180.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	18942632	22172.6
not affected by terrain losses	18688290	20784.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1228108	3846.1
lost to ATV IX only	1228108	3846.1
lost to all IX	1228108	3846.1

Potential Interfering Stations Included in above Scenario 5

31A CT HARTFORD	BLCDT	20101222AAE	LIC
31A DE WILMINGTON	BLCDT	20031203AFL	LIC
31A MA BOSTON	BLCDT	20090422ABH	LIC
31A PA SCRANTON	BPRM	20080619ALI	APP
31A PA SCRANTON	BLCDT	20140326AAZ	LIC
32A PA PHILADELPHIA	BLCDT	20021025AAS	LIC
32A NY NEW YORK	USERRECORD01		APP

Percent new IX = 0.2107%

Worst case new IX 0.2107% Scenario 5

#####

Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application Ref. No.
31	WSWB-DR	SCRANTON PA	BPRM -20080619ALI

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	WFUT-DT	NEWARK NJ	164.8	LIC	BLCDT -20090618ABZ
30	WSKA	CORNING NY	136.5	LIC	BLEDT -20060705ABL
30	WUTR	UTICA NY	195.4	LIC	BLCDT -20040217ADC
30	WGCB-TV	RED LION PA	184.8	LIC	BLCDT -20050615AAB
31	WTIC-TV	HARTFORD CT	242.7	LIC	BLCDT -20101222AAE
31	WPPX-TV	WILMINGTON DE	160.4	LIC	BLCDT -20031203AFL
31	WPPX-TV	WILMINGTON DE	160.4	CP	BPCDT -20080620AMP
31	WFXT	BOSTON MA	385.5	LIC	BLCDT -20090422ABH
31	WPXN-TV	NEW YORK NY	164.7	APP	BMPCDT -20080620ALZ
31	WPXN-TV	NEW YORK NY	164.8	LIC	BLCDT -20110729AAQ
31	WSWB	SCRANTON PA	0.0	LIC	BLCDT -20140326AAZ
32	WPSG	PHILADELPHIA PA	160.4	LIC	BLCDT -20021025AAS
32	WPSG	PHILADELPHIA PA	160.4	CP	BPCDT -20111024ACS

**Table 2 STA OET Bulletin 69 Interference Study**Antenna at Principal Orientation 29° True  
(worst-case scenarios shown page 10 of 22)

32	WQPX-TV	SCRANTON PA	0.3	LIC	BLCDT -20060629AFR
32	STA-DT	NEW YORK NY	164.7	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application Ref. No.
31	WSWB	SCRANTON PA	BLCDT -20140326AAZ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	WFUT-DT	NEWARK NJ	164.8	LIC	BLCDT -20090618ABZ
30	WSKA	CORNING NY	136.5	LIC	BLEDT -20060705ABL
30	WUTR	UTICA NY	195.4	LIC	BLCDT -20040217ADC
30	WGCB-TV	RED LION PA	184.8	LIC	BLCDT -20050615AAB
31	WTIC-TV	HARTFORD CT	242.7	LIC	BLCDT -20101222AAE
31	WPPX-TV	WILMINGTON DE	160.4	LIC	BLCDT -20031203AFL
31	WPPX-TV	WILMINGTON DE	160.4	CP	BPCDT -20080620AMP
31	WFXT	BOSTON MA	385.5	LIC	BLCDT -20090422ABH
31	WPXN-TV	NEW YORK NY	164.7	APP	BMPCDT -20080620ALZ
31	WPXN-TV	NEW YORK NY	164.8	LIC	BLCDT -20110729AAQ
31	WSWB-DR	SCRANTON PA	0.0	APP	BPRM -20080619ALI
32	WPSG	PHILADELPHIA PA	160.4	LIC	BLCDT -20021025AAS
32	WPSG	PHILADELPHIA PA	160.4	CP	BPCDT -20111024ACS
32	WQPX-TV	SCRANTON PA	0.2	LIC	BLCDT -20060629AFR
32	STA-DT	NEW YORK NY	164.7	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application Ref. No.
32	WBPX-TV	BOSTON MA	BLCDT -20040723ACG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
31	WTIC-TV	HARTFORD CT	148.8	LIC	BLCDT -20101222AAE
31	WFXT	BOSTON MA	0.7	LIC	BLCDT -20090422ABH
32	WPSG	PHILADELPHIA PA	419.6	LIC	BLCDT -20021025AAS
32	WPSG	PHILADELPHIA PA	419.6	CP	BPCDT -20111024ACS
32	WQPX-TV	SCRANTON PA	385.0	LIC	BLCDT -20060629AFR
32	WETK	BURLINGTON VT	277.9	LIC	BLEDT -20061011ADW
33	WFSB	HARTFORD CT	143.3	CP	BPCDT -20110630AAH
33	WFSB	HARTFORD CT	143.3	LIC	BLCDT -20041029AIL
33	WPXG-TV	CONCORD NH	97.8	LIC	BLCDT -20031014AEP
32	STA-DT	NEW YORK NY	292.1	APP	USERRECORD-01

**Table 2 STA OET Bulletin 69 Interference Study**

Antenna at Principal Orientation 29° True  
(worst-case scenarios shown page 11 of 22)



Total scenarios = 1

Result key: 35  
Scenario 1 Affected station 10  
Before Analysis

Results for: 32A MA BOSTON BLCDT 20040723ACG LIC  
HAAT 292.0 m, ATV ERP 300.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6522194	19998.6
not affected by terrain losses	6494497	19692.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	133306	597.1
lost to ATV IX only	133306	597.1
lost to all IX	133306	597.1

Potential Interfering Stations Included in above Scenario 1

31A MA BOSTON	BLCDT	20090422ABH	LIC
32A VT BURLINGTON	BLEDT	20061011ADW	LIC
33A NH CONCORD	BLCDT	20031014AEP	LIC

After Analysis

Results for: 32A MA BOSTON BLCDT 20040723ACG LIC  
HAAT 292.0 m, ATV ERP 300.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6522194	19998.6
not affected by terrain losses	6494497	19692.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	133866	613.2
lost to ATV IX only	133866	613.2
lost to all IX	133866	613.2

Potential Interfering Stations Included in above Scenario 1

31A MA BOSTON	BLCDT	20090422ABH	LIC
32A VT BURLINGTON	BLEDT	20061011ADW	LIC
33A NH CONCORD	BLCDT	20031014AEP	LIC
32A NY NEW YORK	USERRECORD01		APP

Percent new IX = 0.0088%

Worst case new IX 0.0088% Scenario 1

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Analysis of Interference to Affected Station 11

Analysis of current record

Channel	Call	City/State	Application Ref. No.
32	WTAJ-TV	ALTOONA PA	BLCDT -20051018ACE

**Table 2 STA OET Bulletin 69 Interference Study**

Antenna at Principal Orientation 29° True  
(worst-case scenarios shown page 12 of 22)



Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
32	WNLO	BUFFALO NY	276.6	LIC	BLCDT -20070320AAV
32	WPSG	PHILADELPHIA PA	277.9	LIC	BLCDT -20021025AAS
32	WPSG	PHILADELPHIA PA	277.9	CP	BPCDT -20111024ACS
32	WQPX-TV	SCRANTON PA	247.3	LIC	BLCDT -20060629AFR
32	WVIR-TV	CHARLOTTESVILLE VA	287.1	LIC	BLCDT -20040908AAE
33	WHUT-TV	WASHINGTON DC	214.1	CP	BPEDT -20120627AAD
33	WHUT-TV	WASHINGTON DC	214.1	LIC	BLEDT -20071018AIJ
33	WNPB-TV	MORGANTOWN WV	148.2	LIC	BLEDT -20121205ACJ
32	STA-DT	NEW YORK NY	373.8	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 12

Analysis of current record

Channel	Call	City/State	Application Ref. No.
32	WPSG	PHILADELPHIA PA	BLCDT -20021025AAS

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
31	WPPX-TV	WILMINGTON DE	0.0	LIC	BLCDT -20031203AFL
31	WPPX-TV	WILMINGTON DE	0.0	CP	BPCDT -20080620AMP
31	WPXN-TV	NEW YORK NY	127.6	APP	BMPCDT -20080620ALZ
31	WPXN-TV	NEW YORK NY	131.8	LIC	BLCDT -20110729AAQ
31	WSWB-DR	SCRANTON PA	160.4	APP	BPRM -20080619ALI
31	WSWB	SCRANTON PA	160.4	LIC	BLCDT -20140326AAZ
32	WBPX-TV	BOSTON MA	419.6	LIC	BLCDT -20040723ACG
32	WTAJ-TV	ALTOONA PA	277.9	LIC	BLCDT -20051018ACE
32	WQPX-TV	SCRANTON PA	160.3	LIC	BLCDT -20060629AFR
32	WVIR-TV	CHARLOTTESVILLE VA	361.7	LIC	BLCDT -20040908AAE
33	WHUT-TV	WASHINGTON DC	199.3	CP	BPEDT -20120627AAD
33	WHUT-TV	WASHINGTON DC	199.3	LIC	BLEDT -20071018AIJ
33	WCBS-TV	NEW YORK NY	131.8	LIC	BLCDT -20090612AFN
33	WCBS-TV	NEW YORK NY	127.6	APP	BMPCDT -20080619AAZ
32	STA-DT	NEW YORK NY	127.6	APP	USERRECORD-01

Total scenarios = 4

Result key: 36  
Scenario 1 Affected station 12  
Before Analysis

Results for: 32A PA PHILADELPHIA BLCDT 20021025AAS LIC  
HAAT 400.0 m, ATV ERP 250.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	8509480	24022.7
not affected by terrain losses	8152989	23215.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	253859	569.3

**Table 2 STA OET Bulletin 69 Interference Study**Antenna at Principal Orientation 29° True  
(worst-case scenarios shown page 13 of 22)

lost to ATV IX only	253859	569.3
lost to all IX	253859	569.3

Potential Interfering Stations Included in above Scenario 1

31A NY NEW YORK	BLCDT	20110729AAQ	LIC
32A PA ALTOONA	BLCDT	20051018ACE	LIC
32A PA SCRANTON	BLCDT	20060629AFR	LIC
32A VA CHARLOTTESVILLE	BLCDT	20040908AAE	LIC
33A NY NEW YORK	BLCDT	20090612AFN	LIC

After Analysis

Results for: 32A PA PHILADELPHIA BLCDT 20021025AAS LIC  
HAAT 400.0 m, ATV ERP 250.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	8509480	24022.7
not affected by terrain losses	8152989	23215.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	594330	1316.2
lost to ATV IX only	594330	1316.2
lost to all IX	594330	1316.2

Potential Interfering Stations Included in above Scenario 1

31A NY NEW YORK	BLCDT	20110729AAQ	LIC
32A PA ALTOONA	BLCDT	20051018ACE	LIC
32A PA SCRANTON	BLCDT	20060629AFR	LIC
32A VA CHARLOTTESVILLE	BLCDT	20040908AAE	LIC
33A NY NEW YORK	BLCDT	20090612AFN	LIC
32A NY NEW YORK	USERRECORD01	APP	

The following station failed the de minimis interference criteria.

32D NY NEW YORK USERRECORD01  
ERP 230.00 kW HAAT 519.0 m RCAMSL 530.0 m  
Antenna usr RFS\_PHP\_32pan1Due to interference to the following station and scenario: 1  
32D PA PHILADELPHIA BLCDT 20021025AAS  
ERP 250.00 kW HAAT 400.0 m RCAMSL 465.0 m  
Antenna CDB 00000000044229

Percent new interference from proposal: 4.3102 to BLCDT 20021025AAS

Worst case new IX 4.3102% Scenario 1

#####

Analysis of Interference to Affected Station 13

Analysis of current record

Channel	Call	City/State	Application Ref. No.
32	WPSG	PHILADELPHIA PA	BPCDT -20111024ACS

Stations Potentially Affecting This Station

**Table 2 STA OET Bulletin 69 Interference Study**Antenna at Principal Orientation 29° True  
(worst-case scenarios shown page 14 of 22)

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
31	WPPX-TV	WILMINGTON DE	0.0	LIC	BLCDT	-20031203AFL
31	WPPX-TV	WILMINGTON DE	0.0	CP	BPCDT	-20080620AMP
31	WPXN-TV	NEW YORK NY	127.6	APP	BMPCDT	-20080620ALZ
31	WPXN-TV	NEW YORK NY	131.8	LIC	BLCDT	-20110729AAQ
31	WSWB-DR	SCRANTON PA	160.4	APP	BPRM	-20080619ALI
31	WSWB	SCRANTON PA	160.4	LIC	BLCDT	-20140326AAZ
32	WBPX-TV	BOSTON MA	419.6	LIC	BLCDT	-20040723ACG
32	WTAJ-TV	ALTOONA PA	277.9	LIC	BLCDT	-20051018ACE
32	WQFX-TV	SCRANTON PA	160.3	LIC	BLCDT	-20060629AFR
32	WVIR-TV	CHARLOTTESVILLE VA	361.7	LIC	BLCDT	-20040908AAE
33	WHUT-TV	WASHINGTON DC	199.3	CP	BPEDT	-20120627AAD
33	WHUT-TV	WASHINGTON DC	199.3	LIC	BLEDT	-20071018AIJ
33	WCBS-TV	NEW YORK NY	131.8	LIC	BLCDT	-20090612AFN
33	WCBS-TV	NEW YORK NY	127.6	APP	BMPCDT	-20080619AAZ
32	STA-DT	NEW YORK NY	127.6	APP	USERRECORD-01	

Total scenarios = 4

Result key: 40  
Scenario 1 Affected station 13  
Before AnalysisResults for: 32A PA PHILADELPHIA BPCDT 20111024ACS CP  
HAAT 400.0 m, ATV ERP 800.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9669508	29443.7
not affected by terrain losses	9370058	28661.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	340585	889.9
lost to ATV IX only	340585	889.9
lost to all IX	340585	889.9

Potential Interfering Stations Included in above Scenario 1

31A NY NEW YORK	BLCDT	20110729AAQ	LIC
32A PA ALTOONA	BLCDT	20051018ACE	LIC
32A PA SCRANTON	BLCDT	20060629AFR	LIC
32A VA CHARLOTTESVILLE	BLCDT	20040908AAE	LIC
33A NY NEW YORK	BLCDT	20090612AFN	LIC

After Analysis

Results for: 32A PA PHILADELPHIA BPCDT 20111024ACS CP  
HAAT 400.0 m, ATV ERP 800.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9669508	29443.7
not affected by terrain losses	9370058	28661.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	916531	1927.5
lost to ATV IX only	916531	1927.5
lost to all IX	916531	1927.5

Potential Interfering Stations Included in above Scenario 1

**Table 2 STA OET Bulletin 69 Interference Study**

Antenna at Principal Orientation 29° True  
(worst-case scenarios shown page 15 of 22)



31A NY NEW YORK	BLCDT	20110729AAQ	LIC
32A PA ALTOONA	BLCDT	20051018ACE	LIC
32A PA SCRANTON	BLCDT	20060629AFR	LIC
32A VA CHARLOTTESVILLE	BLCDT	20040908AAE	LIC
33A NY NEW YORK	BLCDT	20090612AFN	LIC
32A NY NEW YORK	USERRECORD01		APP

The following station failed the de minimis interference criteria.

32D NY NEW YORK USERRECORD01  
ERP 230.00 kW HAAT 519.0 m RCAMSL 530.0 m  
Antenna usr RFS\_PHP\_32panl

Due to interference to the following station and scenario: 1  
32D PA PHILADELPHIA BPCDT 20111024ACS  
ERP 800.00 kW HAAT 400.0 m RCAMSL 465.0 m  
Antenna CDB 00000000107152

Percent new interference from proposal: 6.3785 to BPCDT 20111024ACS

Worst case new IX 6.3785% Scenario 1

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Analysis of Interference to Affected Station 14

Analysis of current record

Channel	Call	City/State	Application Ref. No.
32	WQPX-TV	SCRANTON PA	BLCDT -20060629AFR

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
31	WPPX-TV	WILMINGTON DE	160.3	LIC	BLCDT -20031203AFL
31	WPPX-TV	WILMINGTON DE	160.3	CP	BPCDT -20080620AMP
31	WPXN-TV	NEW YORK NY	164.4	APP	BMPCDT -20080620ALZ
31	WPXN-TV	NEW YORK NY	164.5	LIC	BLCDT -20110729AAQ
31	WSWB-DR	SCRANTON PA	0.3	APP	BPRM -20080619ALI
31	WSWB	SCRANTON PA	0.2	LIC	BLCDT -20140326AAZ
32	WBPX-TV	BOSTON MA	385.0	LIC	BLCDT -20040723ACG
32	WNLO	BUFFALO NY	317.1	LIC	BLCDT -20070320AAV
32	WTAJ-TV	ALTOONA PA	247.3	LIC	BLCDT -20051018ACE
32	WPSG	PHILADELPHIA PA	160.3	LIC	BLCDT -20021025AAS
32	WPSG	PHILADELPHIA PA	160.3	CP	BPCDT -20111024ACS
32	WETK	BURLINGTON VT	417.2	LIC	BLEDT -20061011ADW
33	WCBS-TV	NEW YORK NY	164.5	LIC	BLCDT -20090612AFN
33	WCBS-TV	NEW YORK NY	164.4	APP	BMPCDT -20080619AAZ
32	STA-DT	NEW YORK NY	164.4	APP	USERRECORD-01

Total scenarios = 12

Result key: 49  
Scenario 6 Affected station 14  
Before Analysis

**Table 2 STA OET Bulletin 69 Interference Study**

Antenna at Principal Orientation 29° True  
(worst-case scenarios shown page 16 of 22)



Results for: 32A PA SCRANTON BLCDT 20060629AFR LIC  
HAAT 354.0 m, ATV ERP 528.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1448826	25306.8
not affected by terrain losses	1108316	21355.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	62863	1245.4
lost to ATV IX only	62863	1245.4
lost to all IX	62863	1245.4

Potential Interfering Stations Included in above Scenario 6

31A DE WILMINGTON	BLCDT	20031203AFL	LIC
31A PA SCRANTON	BPRM	20080619ALI	APP
31A PA SCRANTON	BLCDT	20140326AAZ	LIC
32A NY BUFFALO	BLCDT	20070320AAV	LIC
32A PA ALTOONA	BLCDT	20051018ACE	LIC
32A PA PHILADELPHIA	BPCDT	20111024ACS	CP

After Analysis

Results for: 32A PA SCRANTON BLCDT 20060629AFR LIC  
HAAT 354.0 m, ATV ERP 528.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1448826	25306.8
not affected by terrain losses	1108316	21355.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	63034	1261.3
lost to ATV IX only	63034	1261.3
lost to all IX	63034	1261.3

Potential Interfering Stations Included in above Scenario 6

31A DE WILMINGTON	BLCDT	20031203AFL	LIC
31A PA SCRANTON	BPRM	20080619ALI	APP
31A PA SCRANTON	BLCDT	20140326AAZ	LIC
32A NY BUFFALO	BLCDT	20070320AAV	LIC
32A PA ALTOONA	BLCDT	20051018ACE	LIC
32A PA PHILADELPHIA	BPCDT	20111024ACS	CP
32A NY NEW YORK	USERRECORD01		APP

Percent new IX = 0.0164%

Worst case new IX 0.0164% Scenario 6

#####

Analysis of Interference to Affected Station 15

Analysis of current record

Channel	Call	City/State	Application Ref. No.
33	WFSB	HARTFORD CT	BPCDT -20110630AAH

Stations Potentially Affecting This Station

**Table 2 STA OET Bulletin 69 Interference Study**Antenna at Principal Orientation 29° True  
(worst-case scenarios shown page 17 of 22)

Chan	Call	City/State	Dist (km)	Status	Application	Ref. No.
32	WPX-TV	BOSTON MA	143.3	LIC	BLCDT	-20040723ACG
33	WPXG-TV	CONCORD NH	198.4	LIC	BLCDT	-20031014AEP
33	WCBS-TV	NEW YORK NY	150.8	LIC	BLCDT	-20090612AFN
33	WCBS-TV	NEW YORK NY	155.3	APP	BMPCDT	-20080619AAZ
34	WNEU	MERRIMACK NH	167.4	LIC	BLCDT	-20021028AAH
34	WMHT	SCHENECTADY NY	137.0	LIC	BLEDT	-20040108ALV
32	STA-DT	NEW YORK NY	155.3	APP	USERRECORD-01	

Total scenarios = 2

Result key: 56  
 Scenario 1 Affected station 15  
 Before Analysis

Results for: 33A CT HARTFORD			BPCDT	20110630AAH	CP
HAAT 289.0 m, ATV ERP 1000.0 kW					
	POPULATION	AREA (sq km)			
within Noise Limited Contour	4745845	28750.5			
not affected by terrain losses	4345545	25900.8			
lost to NTSC IX	0	0.0			
lost to additional IX by ATV	714580	3778.2			
lost to ATV IX only	714580	3778.2			
lost to all IX	714580	3778.2			

Potential Interfering Stations Included in above Scenario 1

32A MA BOSTON	BLCDT	20040723ACG	LIC
33A NH CONCORD	BLCDT	20031014AEP	LIC
33A NY NEW YORK	BLCDT	20090612AFN	LIC
34A NY SCHENECTADY	BLEDT	20040108ALV	LIC

After Analysis

Results for: 33A CT HARTFORD			BPCDT	20110630AAH	CP
HAAT 289.0 m, ATV ERP 1000.0 kW					
	POPULATION	AREA (sq km)			
within Noise Limited Contour	4745845	28750.5			
not affected by terrain losses	4345545	25900.8			
lost to NTSC IX	0	0.0			
lost to additional IX by ATV	719282	3794.3			
lost to ATV IX only	719282	3794.3			
lost to all IX	719282	3794.3			

Potential Interfering Stations Included in above Scenario 1

32A MA BOSTON	BLCDT	20040723ACG	LIC
33A NH CONCORD	BLCDT	20031014AEP	LIC
33A NY NEW YORK	BLCDT	20090612AFN	LIC
34A NY SCHENECTADY	BLEDT	20040108ALV	LIC
32A NY NEW YORK	USERRECORD01		APP

Percent new IX = 0.1295%

Worst case new IX 0.1295% Scenario 1

**Table 2 STA OET Bulletin 69 Interference Study**Antenna at Principal Orientation 29° True  
(worst-case scenarios shown page 18 of 22)

#####

Analysis of Interference to Affected Station 16

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
33	WFSB	HARTFORD CT	BLCDT	-20041029AIL

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist (km)	Status	Application	Ref. No.
32	WPX-TV	BOSTON MA	143.3	LIC	BLCDT	-20040723ACG
33	WPXG-TV	CONCORD NH	198.4	LIC	BLCDT	-20031014AEP
33	WCBS-TV	NEW YORK NY	150.8	LIC	BLCDT	-20090612AFN
33	WCBS-TV	NEW YORK NY	155.3	APP	BMPCDT	-20080619AAZ
34	WNEU	MERRIMACK NH	167.4	LIC	BLCDT	-20021028AAH
34	WMHT	SCHENECTADY NY	137.0	LIC	BLEDT	-20040108ALV
32	STA-DT	NEW YORK NY	155.3	APP	USERRECORD-01	

Total scenarios = 2

Result key: 58  
 Scenario 1 Affected station 16  
 Before Analysis

Results for: 33A CT HARTFORD			BLCDT	20041029AIL	LIC
HAAT 289.0 m, ATV ERP 1000.0 kW					
	POPULATION	AREA (sq km)			
within Noise Limited Contour	4594265	27295.2			
not affected by terrain losses	4213689	24657.8			
lost to NTSC IX	0	0.0			
lost to additional IX by ATV	729894	3771.2			
lost to ATV IX only	729894	3771.2			
lost to all IX	729894	3771.2			

Potential Interfering Stations Included in above Scenario 1

32A MA BOSTON	BLCDT	20040723ACG	LIC
33A NH CONCORD	BLCDT	20031014AEP	LIC
33A NY NEW YORK	BLCDT	20090612AFN	LIC
34A NY SCHENECTADY	BLEDT	20040108ALV	LIC

After Analysis

Results for: 33A CT HARTFORD			BLCDT	20041029AIL	LIC
HAAT 289.0 m, ATV ERP 1000.0 kW					
	POPULATION	AREA (sq km)			
within Noise Limited Contour	4594265	27295.2			
not affected by terrain losses	4213689	24657.8			
lost to NTSC IX	0	0.0			
lost to additional IX by ATV	734584	3783.3			
lost to ATV IX only	734584	3783.3			
lost to all IX	734584	3783.3			

**Table 2 STA OET Bulletin 69 Interference Study**Antenna at Principal Orientation 29° True  
(worst-case scenarios shown page 19 of 22)

Potential Interfering Stations Included in above Scenario 1

32A MA BOSTON	BLCDT	20040723ACG	LIC
33A NH CONCORD	BLCDT	20031014AEP	LIC
33A NY NEW YORK	BLCDT	20090612AFN	LIC
34A NY SCHENECTADY	BLEDT	20040108ALV	LIC
32A NY NEW YORK	USERRECORD01	APP	

Percent new IX = 0.1346%

Worst case new IX 0.1346% Scenario 1

#####

Analysis of Interference to Affected Station 17

Analysis of current record

Channel	Call	City/State	Application Ref. No.
33	WCBS-TV	NEW YORK NY	BLCDT -20090612AFN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
32	WPSG	PHILADELPHIA PA	131.8	LIC	BLCDT -20021025AAS
32	WPSG	PHILADELPHIA PA	131.8	CP	BPCDT -20111024ACS
32	WQPX-TV	SCRANTON PA	164.5	LIC	BLCDT -20060629AFR
33	WFSB	HARTFORD CT	150.8	CP	BPCDT -20110630AAH
33	WFSB	HARTFORD CT	150.8	LIC	BLCDT -20041029AIL
33	WHUT-TV	WASHINGTON DC	331.1	CP	BPEDT -20120627AAD
33	WHUT-TV	WASHINGTON DC	331.1	LIC	BLEDT -20071018AIJ
33	WPXG-TV	CONCORD NH	349.1	LIC	BLCDT -20031014AEP
34	WIVT	BINGHAMTON NY	218.9	LIC	BLCDT -20090819AGR
34	WMHT	SCHENECTADY NY	208.6	LIC	BLEDT -20040108ALV
34	WCAU	PHILADELPHIA PA	131.8	LIC	BLCDT -20090914AAX
32	STA-DT	NEW YORK NY	4.6	APP	USERRECORD-01

Total scenarios = 8

Result key: 60

Scenario 1 Affected station 17

Before Analysis

Results for: 33A NY NEW YORK BLCDT 20090612AFN LIC

HAAT	397.0 m, ATV ERP	284.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	19826780	28687.1		
not affected by terrain losses	19513578	26843.5		
lost to NTSC IX	0	0.0		
lost to additional IX by ATV	755238	3168.4		
lost to ATV IX only	755238	3168.4		
lost to all IX	755238	3168.4		

Potential Interfering Stations Included in above Scenario 1

**Table 2 STA OET Bulletin 69 Interference Study**Antenna at Principal Orientation 29° True  
(worst-case scenarios shown page 20 of 22)

32A PA PHILADELPHIA	BLCDT	20021025AAS	LIC
33A CT HARTFORD	BPCDT	20110630AAH	CP
33A DC WASHINGTON	BPEDT	20120627AAD	CP
33A NH CONCORD	BLCDT	20031014AEP	LIC
34A PA PHILADELPHIA	BLCDT	20090914AAX	LIC

After Analysis

Results for: 33A NY NEW YORK BLCDT 20090612AFN LIC

HAAT	397.0 m, ATV ERP	284.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	19826780	28687.1		
not affected by terrain losses	19513578	26843.5		
lost to NTSC IX	0	0.0		
lost to additional IX by ATV	785024	3208.3		
lost to ATV IX only	785024	3208.3		
lost to all IX	785024	3208.3		

Potential Interfering Stations Included in above Scenario 1

32A PA PHILADELPHIA	BLCDT	20021025AAS	LIC
33A CT HARTFORD	BPCDT	20110630AAH	CP
33A DC WASHINGTON	BPEDT	20120627AAD	CP
33A NH CONCORD	BLCDT	20031014AEP	LIC
34A PA PHILADELPHIA	BLCDT	20090914AAX	LIC
32A NY NEW YORK	USERRECORD01	APP	

Percent new IX = 0.1588%

Worst case new IX 0.1588% Scenario 1

#####

Analysis of Interference to Affected Station 18

Analysis of current record

Channel	Call	City/State	Application Ref. No.
33	WCBS-TV	NEW YORK NY	BMPCDT -20080619AAZ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
32	WPSG	PHILADELPHIA PA	127.6	LIC	BLCDT -20021025AAS
32	WPSG	PHILADELPHIA PA	127.6	CP	BPCDT -20111024ACS
32	WQPX-TV	SCRANTON PA	164.4	LIC	BLCDT -20060629AFR
33	WFSB	HARTFORD CT	155.3	CP	BPCDT -20110630AAH
33	WFSB	HARTFORD CT	155.3	LIC	BLCDT -20041029AIL
33	WHUT-TV	WASHINGTON DC	326.9	CP	BPEDT -20120627AAD
33	WHUT-TV	WASHINGTON DC	326.9	LIC	BLEDT -20071018AIJ
33	WPXG-TV	CONCORD NH	353.6	LIC	BLCDT -20031014AEP
34	WIVT	BINGHAMTON NY	219.9	LIC	BLCDT -20090819AGR
34	WMHT	SCHENECTADY NY	212.6	LIC	BLEDT -20040108ALV
34	WCAU	PHILADELPHIA PA	127.6	LIC	BLCDT -20090914AAX
32	STA-DT	NEW YORK NY	0.0	APP	USERRECORD-01

Proposal causes no interference

**Table 2 STA OET Bulletin 69 Interference Study**

Antenna at Principal Orientation 29° True  
(worst-case scenarios shown page 21 of 22)



#####

Analysis of Interference to Affected Station 19

**Analysis of current record**

Channel	Call	City/State	Application Ref. No.
32	STA-DT	NEW YORK NY	USERRECORD-01

**Stations Potentially Affecting This Station**

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
31	WTIC-TV	HARTFORD CT	147.9	LIC	BLCDDT -20101222AAE
31	WPPX-TV	WILMINGTON DE	127.6	LIC	BLCDDT -20031203AFL
31	WPPX-TV	WILMINGTON DE	127.6	CP	BPCDDT -20080620AMP
31	WPXN-TV	NEW YORK NY	0.0	APP	BMPCDDT -20080620ALZ
31	WPXN-TV	NEW YORK NY	4.6	LIC	BLCDDT -20110729AAQ
31	WSWB-DR	SCRANTON PA	164.7	APP	BPRM -20080619ALI
31	WSWB	SCRANTON PA	164.7	LIC	BLCDDT -20140326AAZ
32	WBPX-TV	BOSTON MA	292.1	LIC	BLCDDT -20040723ACG
32	WTAJ-TV	ALTOONA PA	373.8	LIC	BLCDDT -20051018ACE
32	WPSG	PHILADELPHIA PA	127.6	LIC	BLCDDT -20021025AAS
32	WPSG	PHILADELPHIA PA	127.6	CP	BPCDDT -20111024ACS
32	WQPX-TV	SCRANTON PA	164.4	LIC	BLCDDT -20060629AFR
33	WFSB	HARTFORD CT	155.3	CP	BPCDDT -20110630AAH
33	WFSB	HARTFORD CT	155.3	LIC	BLCDDT -20041029AIL
33	WCBS-TV	NEW YORK NY	4.6	LIC	BLCDDT -20090612AFN
33	WCBS-TV	NEW YORK NY	0.0	APP	BMPCDDT -20080619AAZ

Total scenarios = 8

Result key: 68

Scenario 1 Affected station 19  
Before Analysis

Results for: 32A NY NEW YORK USERRECORD01 APP

HAAT 519.0 m, ATV ERP 230.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	17747786	16258.0
not affected by terrain losses	17422279	15053.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5005627	4526.6
lost to ATV IX only	5005627	4526.6
lost to all IX	5005627	4526.6

Potential Interfering Stations Included in above Scenario 1

31A CT HARTFORD	BLCDDT	20101222AAE	LIC
31A DE WILMINGTON	BPCDDT	20080620AMP	CP
31A NY NEW YORK	BLCDDT	20110729AAQ	LIC
32A MA BOSTON	BLCDDT	20040723ACG	LIC
32A PA PHILADELPHIA	BLCDDT	20021025AAS	LIC
32A PA SCRANTON	BLCDDT	20060629AFR	LIC
33A NY NEW YORK	BLCDDT	20090612AFN	LIC

**Table 2 STA OET Bulletin 69 Interference Study**

Antenna at Principal Orientation 29° True  
(worst-case scenarios shown page 22 of 22)



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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED

**Table 3 STA OET Bulletin 69 Interference Study**

Antenna at Repositioned Orientation 359° True  
(worst-case scenarios shown page 1 of 22)



TW Census data selected 2000  
Data Base Selected  
/space/software/cdbs/pt\_tvdb.sff

**TV INTERFERENCE and SPACING ANALYSIS PROGRAM**

Date: 10-21-2014 Time: 17:19:12

Record Selected for Analysis

STA-DT USERRECORD-01 NEW YORK NY US  
Channel 32 ERP 230. kW HAAT 519. m RCAMSL 00530 m  
Latitude 040-42-46 Longitude 0074-00-49  
Status APP Zone 1 Border Site number: 01  
Dir Antenna Make usr Model RFS\_PHP\_32panl Beam tilt N Ref Azimuth 359.  
Last update Cutoff date Docket  
Comments  
Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility (site # 01) meets maximum height/power limits

Site number	1		
Azimuth	ERP	HAAT	41.0 dBu F(50,90)
(Deg)	(kW)	(m)	(km)
0.0	227.706	511.9	101.5
45.0	25.843	529.1	84.9
90.0	0.890	508.4	61.4
135.0	0.272	519.9	54.7
180.0	0.193	522.8	52.7
225.0	0.178	519.6	52.1
270.0	1.243	521.3	63.8
315.0	30.240	516.6	85.4

Evaluation toward Class A Stations from site # 01

No Spacing violations or contour overlap  
to Class A stations from site # 01

Class A Evaluation Complete

Checks to Site Number 01

**Table 3 STA OET Bulletin 69 Interference Study**

Antenna at Repositioned Orientation 359° True  
(worst-case scenarios shown page 2 of 22)



Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is within the Canadian coordination distance  
Distance to border = 397.6km

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

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Start of Interference Analysis

Channel	Proposed Station	Call	City/State	ARN
32	STA-DT	NEW YORK NY	USERRECORD01	

**Stations Potentially Affected by Proposed Station**

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
24	W24BB	EAST STROUDSBURG PA	130.1	LIC	BLTTL 19911219JM
28	WFPA-CA	PHILADELPHIA PA	127.8	LIC	BLTTL 20000428ABK
31	WTIC-TV	HARTFORD CT	147.9	LIC	BLCDT 20101222AAE
31	WPPX-TV	WILMINGTON DE	127.6	LIC	BLCDT 20031203AFL
31	WPPX-TV	WILMINGTON DE	127.6	CP	BPCDT 20080620AMP
31	WPXN-TV	NEW YORK NY	0.0	APP	BMPCDT 20080620ALZ
31	WPXN-TV	NEW YORK NY	4.6	LIC	BLCDT 20110729AAQ
31	WSWB-DR	SCRANTON PA	164.7	APP	BPRM 20080619ALI
31	WSWB	SCRANTON PA	164.7	LIC	BLCDT 20140326AAZ
32	WBPX-TV	BOSTON MA	292.1	LIC	BLCDT 20040723ACG
32	WTAJ-TV	ALTOONA PA	373.8	LIC	BLCDT 20051018ACE
32	WPSG	PHILADELPHIA PA	127.6	LIC	BLCDT 20021025AAS
32	WPSG	PHILADELPHIA PA	127.6	CP	BPCDT 20111024ACS
32	WQPX-TV	SCRANTON PA	164.4	LIC	BLCDT 20060629AFR
33	WFSB	HARTFORD CT	155.3	CP	BPCDT 20110630AAH
33	WFSB	HARTFORD CT	155.3	LIC	BLCDT 20041029AIL
33	WCBS-TV	NEW YORK NY	4.6	LIC	BLCDT 20090612AFN
33	WCBS-TV	NEW YORK NY	0.0	APP	BMPCDT 20080619AAZ

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**Analysis of Interference to Affected Station 1**

Channel	Call	City/State	Application Ref. No.
24	W24BB	EAST STROUDSBURG PA	BLTTL -19911219JM

**Stations Potentially Affecting This Station**

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
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**Table 3 STA OET Bulletin 69 Interference Study**Antenna at Repositioned Orientation 359° True  
(worst-case scenarios shown page 3 of 22)

17	WPHL-TV	PHILADELPHIA PA	111.7	LIC	BLCDT	-20090918ABV
21	WHP-TV	HARRISBURG PA	137.7	LIC	BLCDT	-20130703ACZ
23	WLYH-TV	LANCASTER PA	117.3	LIC	BLCDT	-20040922AAC
24	WNYE-TV	NEW YORK NY	131.0	LIC	BLEDT	-20071228ABM
24	W24EF	PORT JERVIS NY	78.6	LIC	BLTTL	-20121024AAA
24	WSTM-TV	SYRACUSE NY	219.2	LIC	BLCDT	-20090622AEM
24	WATM-TV	ALTOONA PA	252.5	LIC	BLCDT	-20050603ACF
24	W24DB	CLARKS SUMMIT PA	49.2	LIC	BLTTA	-20041202ADB
24	WPHA-CD	PHILADELPHIA PA	111.8	APP	BMPDTA	-20120716AFD
24	WPHA-CD	PHILADELPHIA PA	111.8	CP MOD	BMPDTA	-20120925ADS
24	W24CS	READING PA	81.8	LIC	BLTT	-20030321AAO
24	WNVC	FAIRFAX VA	280.5	LIC	BLEDT	-20090612ACS
24	WVTA	WINDSOR VT	367.3	LIC	BLEDT	-20070307AAW
25	WTVE	READING PA	111.8	LIC	BLCDT	-20100405ABM
25	WTVE	READING PA	79.0	APP	BPCDT	-20100422ACQ
25	WTVE	READING PA	81.8	LIC	BLCDT	-20100405ABM
26	KYW-TV	PHILADELPHIA PA	111.6	LIC	BLCDT	-20090326ABH
27	WGTW-TV	BURLINGTON NJ	111.8	LIC	BLCDT	-20060105AAR
27	WTBY-TV	POUGHKEEPSIE NY	139.8	LIC	BLCDT	-20090902ACZ
28	WNBC	NEW YORK NY	131.3	LIC	BLCDT	-20080409AAM
28	WNBC	NEW YORK NY	130.1	APP	BPCDT	-20080620ADL
31	WPPX-TV	WILMINGTON DE	111.8	LIC	BLCDT	-20031203AFL
31	WPPX-TV	WILMINGTON DE	111.8	CP	BPCDT	-20080620AMP
31	WPXN-TV	NEW YORK NY	130.1	APP	BMPCDT	-20080620ALZ
31	WPXN-TV	NEW YORK NY	131.3	LIC	BLCDT	-20110729AAQ
31	WSWB-DR	SCRANTON PA	49.2	APP	BPRM	-20080619ALI
31	WSWB	SCRANTON PA	49.2	LIC	BLCDT	-20140326AAZ
32	WPSG	PHILADELPHIA PA	111.8	LIC	BLCDT	-20021025AAS
32	WPSG	PHILADELPHIA PA	111.8	CP	BPCDT	-20111024ACS
32	WQPX-TV	SCRANTON PA	49.0	LIC	BLCDT	-20060629AFR
38	WWOR-TV	SECAUCUS NJ	131.3	CP MOD	BMPCDT	-20040130AZR
38	WWOR-TV	SECAUCUS NJ	131.3	CP	BPCDT	-20121210ABN
39	WLVT-TV	ALLEN TOWN PA	51.7	LIC	BLEDT	-20090605ABD
32	STA-DT	NEW YORK NY	130.1	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

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## Analysis of Interference to Affected Station 2

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
28	WPPA-CA	PHILADELPHIA PA	BLTTL -20000428ABK

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
21	WHP-TV	HARRISBURG PA	142.7	LIC	BLCDT -20130703ACZ
24	WNYE-TV	NEW YORK NY	132.5	LIC	BLEDT -20071228ABM
25	WTVE	READING PA	0.3	LIC	BLCDT -20100405ABM
25	WTVE	READING PA	50.6	APP	BPCDT -20100422ACQ
25	WTVE	READING PA	66.2	LIC	BLCDT -20100405ABM
26	KYW-TV	PHILADELPHIA PA	0.6	LIC	BLCDT -20090326ABH

**Table 3 STA OET Bulletin 69 Interference Study**Antenna at Repositioned Orientation 359° True  
(worst-case scenarios shown page 4 of 22)

27	WGTW-TV	BURLINGTON NJ	0.3	LIC	BLCDT	-20060105AAR
28	WFPT	FREDERICK MD	197.6	LIC	BLEDT	-20090330AFA
28	WCPB	SALISBURY MD	186.3	LIC	BLEDT	-20090209AEM
28	WNBC	NEW YORK NY	132.0	LIC	BLCDT	-20080409AAM
28	WNBC	NEW YORK NY	127.8	APP	BPCDT	-20080620ADL
29	WUVP-DT	VINELAND NJ	0.3	LIC	BLCDT	-20090923ADS
29	WNYJ-TV	WEST MILFORD NJ	117.6	LIC	BLEDT	-20040712ACP
30	WFUT-DT	NEWARK NJ	132.0	LIC	BLCDT	-20090618ABZ
30	WGCB-TV	RED LION PA	115.6	LIC	BLCDT	-20050615AAB
31	WPPX-TV	WILMINGTON DE	0.3	LIC	BLCDT	-20031203AFL
31	WPPX-TV	WILMINGTON DE	0.3	CP	BPCDT	-20080620AMP
31	WPXN-TV	NEW YORK NY	127.8	APP	BMPCDT	-20080620ALZ
31	WPXN-TV	NEW YORK NY	132.0	LIC	BLCDT	-20110729AAQ
32	WPSG	PHILADELPHIA PA	0.3	LIC	BLCDT	-20021025AAS
32	WPSG	PHILADELPHIA PA	0.3	CP	BPCDT	-20111024ACS
35	WYBE	PHILADELPHIA PA	0.3	LIC	BLEDT	-20091222ABE
36	WNJU	LINDEN NJ	119.2	LIC	BLCDT	-20080514ADL
36	WNJU	LINDEN NJ	132.0	CP	BPCDT	-20140917AFD
36	WMGM-TV	WILDWOOD NJ	109.4	LIC	BLCDT	-20060626ABE
36	WITF-TV	HARRISBURG PA	142.7	LIC	BLEDT	-20000922AHE
42	WZME	BRIDGEPORT CT	132.0	APP	BPCDT	-20120601ARY
42	WTXF-TV	PHILADELPHIA PA	0.2	LIC	BLCDT	-20120511ADN
43	WNJT	TRENTON NJ	54.0	LIC	BLEDT	-20110427ABE
32	STA-DT	NEW YORK NY	127.8	APP	USERRECORD-01	
42	WZME	BRIDGEPORT CT		APP	BPCDT	-20120601ARY

Proposed station is beyond the site to  
nearest cell evaluation distance

#####

## Analysis of Interference to Affected Station 3

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
31	WTIC-TV	HARTFORD CT	BLCDT -20101222AAE

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	WBZ-TV	BOSTON MA	148.0	LIC	BLCDT -20060420ABG
30	WFUT-DT	NEWARK NJ	143.4	LIC	BLCDT -20090618ABZ
31	WPPX-TV	WILMINGTON DE	273.7	LIC	BLCDT -20031203AFL
31	WPPX-TV	WILMINGTON DE	273.7	CP	BPCDT -20080620AMP
31	WFFT	BOSTON MA	149.0	LIC	BLCDT -20090422ABH
31	WPXN-TV	NEW YORK NY	147.9	APP	BMPCDT -20080620ALZ
31	WPXN-TV	NEW YORK NY	143.4	LIC	BLCDT -20110729AAQ
31	WSWB-DR	SCRANTON PA	242.7	APP	BPRM -20080619ALI
31	WSWB	SCRANTON PA	242.7	LIC	BLCDT -20140326AAZ
32	WBPX-TV	BOSTON MA	148.8	LIC	BLCDT -20040723ACG
32	STA-DT	NEW YORK NY	147.9	APP	USERRECORD-01

Total scenarios = 10

**Table 3 STA OET Bulletin 69 Interference Study**Antenna at Repositioned Orientation 359° True  
(worst-case scenarios shown page 5 of 22)

Result key: 1  
Scenario 1 Affected station 3  
Before Analysis

Results for: 31A CT HARTFORD BLCDT 20101222AAE LIC  
HAAT 506.0 m, ATV ERP 495.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	5076673	32573.6
not affected by terrain losses	4478267	28770.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	726639	4281.2
lost to ATV IX only	726639	4281.2
lost to all IX	726639	4281.2

Potential Interfering Stations Included in above Scenario 1

30A MA BOSTON	BLCDT	20060420ABG	LIC
30A NJ NEWARK	BLCDT	20090618ABZ	LIC
31A DE WILMINGTON	BLCDT	20031203AFL	LIC
31A MA BOSTON	BLCDT	20090422ABH	LIC
31A NY NEW YORK	BLCDT	20110729AAQ	LIC
31A PA SCRANTON	BLCDT	20140326AAZ	LIC
32A MA BOSTON	BLCDT	20040723ACG	LIC

After Analysis

Results for: 31A CT HARTFORD BLCDT 20101222AAE LIC  
HAAT 506.0 m, ATV ERP 495.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	5076673	32573.6
not affected by terrain losses	4478267	28770.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	726639	4281.2
lost to ATV IX only	726639	4281.2
lost to all IX	726639	4281.2

Potential Interfering Stations Included in above Scenario 1

30A MA BOSTON	BLCDT	20060420ABG	LIC
30A NJ NEWARK	BLCDT	20090618ABZ	LIC
31A DE WILMINGTON	BLCDT	20031203AFL	LIC
31A MA BOSTON	BLCDT	20090422ABH	LIC
31A NY NEW YORK	BLCDT	20110729AAQ	LIC
31A PA SCRANTON	BLCDT	20140326AAZ	LIC
32A MA BOSTON	BLCDT	20040723ACG	LIC
32A NY NEW YORK	USERRECORD01	APP	

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

#####

Analysis of Interference to Affected Station 4

**Table 3 STA OET Bulletin 69 Interference Study**Antenna at Repositioned Orientation 359° True  
(worst-case scenarios shown page 6 of 22)

Analysis of current record  
Channel 31 Call WPPX-TV City/State WILMINGTON DE Application Ref. No. BLCDT -20031203AFL

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	WFUT-DT	NEWARK NJ	131.8	LIC	BLCDT -20090618ABZ
30	WGCB-TV	RED LION PA	115.7	LIC	BLCDT -20050615AAB
31	WTIC-TV	HARTFORD CT	273.7	LIC	BLCDT -20101222AAE
31	WFXT	BOSTON MA	419.6	LIC	BLCDT -20090422ABH
31	WPXN-TV	NEW YORK NY	127.6	APP	BMPCDT -20080620ALZ
31	WPXN-TV	NEW YORK NY	131.8	LIC	BLCDT -20110729AAQ
31	WSWB-DR	SCRANTON PA	160.4	APP	BPRM -20080619ALI
31	WSWB	SCRANTON PA	160.4	LIC	BLCDT -20140326AAZ
31	WAVY-TV	PORTSMOUTH VA	374.8	LIC	BLCDT -20010409ABP
32	WPSG	PHILADELPHIA PA	0.0	LIC	BLCDT -20021025AAS
32	WPSG	PHILADELPHIA PA	0.0	CP	BPCDT -20111024ACS
32	WQPX-TV	SCRANTON PA	160.3	LIC	BLCDT -20060629AFR
32	STA-DT	NEW YORK NY	127.6	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 5

Analysis of current record  
Channel 31 Call WPPX-TV City/State WILMINGTON DE Application Ref. No. BPCDT -20080620AMP

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	WFUT-DT	NEWARK NJ	131.8	LIC	BLCDT -20090618ABZ
30	WGCB-TV	RED LION PA	115.7	LIC	BLCDT -20050615AAB
31	WTIC-TV	HARTFORD CT	273.7	LIC	BLCDT -20101222AAE
31	WFXT	BOSTON MA	419.6	LIC	BLCDT -20090422ABH
31	WPXN-TV	NEW YORK NY	127.6	APP	BMPCDT -20080620ALZ
31	WPXN-TV	NEW YORK NY	131.8	LIC	BLCDT -20110729AAQ
31	WSWB-DR	SCRANTON PA	160.4	APP	BPRM -20080619ALI
31	WSWB	SCRANTON PA	160.4	LIC	BLCDT -20140326AAZ
31	WAVY-TV	PORTSMOUTH VA	374.8	LIC	BLCDT -20010409ABP
32	WPSG	PHILADELPHIA PA	0.0	LIC	BLCDT -20021025AAS
32	WPSG	PHILADELPHIA PA	0.0	CP	BPCDT -20111024ACS
32	WQPX-TV	SCRANTON PA	160.3	LIC	BLCDT -20060629AFR
32	STA-DT	NEW YORK NY	127.6	APP	USERRECORD-01

Proposal causes no interference

#####

Analysis of Interference to Affected Station 6

Analysis of current record

**Table 3 STA OET Bulletin 69 Interference Study**Antenna at Repositioned Orientation 359° True  
(worst-case scenarios shown page 7 of 22)

Channel	Call	City/State	Application Ref. No.
31	WPXN-TV	NEW YORK NY	BMPCDT -20080620ALZ

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist (km)	Status	Application Ref. No.
30	WFUT-DT	NEWARK NJ	4.6	LIC	BLCDDT -20090618ABZ
31	WTIC-TV	HARTFORD CT	147.9	LIC	BLCDDT -20101222AAE
31	WPPX-TV	WILMINGTON DE	127.6	LIC	BLCDDT -20031203AFL
31	WPPX-TV	WILMINGTON DE	127.6	CP	BPCDDT -20080620AMP
31	WFXT	BOSTON MA	292.1	LIC	BLCDDT -20090422ABH
31	WSWB-DR	SCRANTON PA	164.7	APP	BPRM -20080619ALI
31	WSWB	SCRANTON PA	164.7	LIC	BLCDDT -20140326AAZ
32	WPSG	PHILADELPHIA PA	127.6	LIC	BLCDDT -20021025AAS
32	WPSG	PHILADELPHIA PA	127.6	CP	BPCDDT -20111024ACS
32	WQPX-TV	SCRANTON PA	164.4	LIC	BLCDDT -20060629AFR
32	STA-DT	NEW YORK NY	0.0	APP	USERRECORD-01

Total scenarios = 12

Result key: 13  
 Scenario 3 Affected station 6  
 Before Analysis

Results for: 31A NY NEW YORK BMPCDT 20080620ALZ APP  
 HAAT 458.0 m, ATV ERP 285.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19606703	27346.1
not affected by terrain losses	19277919	25574.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1679460	6178.0
lost to ATV IX only	1679460	6178.0
lost to all IX	1679460	6178.0

Potential Interfering Stations Included in above Scenario 3

30A NJ NEWARK	BLCDDT	20090618ABZ	LIC
31A CT HARTFORD	BLCDDT	20101222AAE	LIC
31A DE WILMINGTON	BPCDDT	20080620AMP	CP
31A MA BOSTON	BLCDDT	20090422ABH	LIC
31A PA SCRANTON	BLCDDT	20140326AAZ	LIC
32A PA PHILADELPHIA	BLCDDT	20021025AAS	LIC

## After Analysis

Results for: 31A NY NEW YORK BMPCDT 20080620ALZ APP  
 HAAT 458.0 m, ATV ERP 285.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19606703	27346.1
not affected by terrain losses	19277919	25574.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1682774	6198.0
lost to ATV IX only	1682774	6198.0
lost to all IX	1682774	6198.0

Potential Interfering Stations Included in above Scenario 3

**Table 3 STA OET Bulletin 69 Interference Study**Antenna at Repositioned Orientation 359° True  
(worst-case scenarios shown page 8 of 22)

30A NJ NEWARK	BLCDDT	20090618ABZ	LIC
31A CT HARTFORD	BLCDDT	20101222AAE	LIC
31A DE WILMINGTON	BPCDDT	20080620AMP	CP
31A MA BOSTON	BLCDDT	20090422ABH	LIC
31A PA SCRANTON	BLCDDT	20140326AAZ	LIC
32A PA PHILADELPHIA	BLCDDT	20021025AAS	LIC
32A NY NEW YORK	USERRECORD01		APP

Percent new IX = 0.0188%

Worst case new IX 0.0188% Scenario 3

#####

Analysis of Interference to Affected Station 7

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
31	WPXN-TV	NEW YORK NY	BLCDDT -20110729AAQ

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist (km)	Status	Application Ref. No.
30	WFUT-DT	NEWARK NJ	0.0	LIC	BLCDDT -20090618ABZ
31	WTIC-TV	HARTFORD CT	143.4	LIC	BLCDDT -20101222AAE
31	WPPX-TV	WILMINGTON DE	131.8	LIC	BLCDDT -20031203AFL
31	WPPX-TV	WILMINGTON DE	131.8	CP	BPCDDT -20080620AMP
31	WFXT	BOSTON MA	287.9	LIC	BLCDDT -20090422ABH
31	WSWB-DR	SCRANTON PA	164.8	APP	BPRM -20080619ALI
31	WSWB	SCRANTON PA	164.8	LIC	BLCDDT -20140326AAZ
32	WPSG	PHILADELPHIA PA	131.8	LIC	BLCDDT -20021025AAS
32	WPSG	PHILADELPHIA PA	131.8	CP	BPCDDT -20111024ACS
32	WQPX-TV	SCRANTON PA	164.5	LIC	BLCDDT -20060629AFR
32	STA-DT	NEW YORK NY	4.6	APP	USERRECORD-01

Total scenarios = 12

Result key: 27  
 Scenario 5 Affected station 7  
 Before Analysis

Results for: 31A NY NEW YORK BLCDDT 20110729AAQ LIC  
 HAAT 360.0 m, ATV ERP 180.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	18942632	22172.6
not affected by terrain losses	18688290	20784.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1191242	3717.0
lost to ATV IX only	1191242	3717.0
lost to all IX	1191242	3717.0

Potential Interfering Stations Included in above Scenario 5

31A CT HARTFORD	BLCDDT	20101222AAE	LIC
31A DE WILMINGTON	BLCDDT	20031203AFL	LIC

**Table 3 STA OET Bulletin 69 Interference Study**Antenna at Repositioned Orientation 359° True  
(worst-case scenarios shown page 9 of 22)

31A MA BOSTON	BLCDT	20090422ABH	LIC
31A PA SCRANTON	BPRM	20080619ALI	APP
31A PA SCRANTON	BLCDT	20140326AAZ	LIC
32A PA PHILADELPHIA	BLCDT	20021025AAS	LIC

After Analysis

Results for: 31A NY NEW YORK BLCDT 20110729AAQ LIC  
HAAT 360.0 m, ATV ERP 180.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	18942632	22172.6
not affected by terrain losses	18688290	20784.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1225489	3858.2
lost to ATV IX only	1225489	3858.2
lost to all IX	1225489	3858.2

Potential Interfering Stations Included in above Scenario 5

31A CT HARTFORD	BLCDT	20101222AAE	LIC
31A DE WILMINGTON	BLCDT	20031203AFL	LIC
31A MA BOSTON	BLCDT	20090422ABH	LIC
31A PA SCRANTON	BPRM	20080619ALI	APP
31A PA SCRANTON	BLCDT	20140326AAZ	LIC
32A PA PHILADELPHIA	BLCDT	20021025AAS	LIC
32A NY NEW YORK	USERRECORD01		APP

Percent new IX = 0.1957%

Worst case new IX 0.1957% Scenario 5

#####

Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application Ref. No.
31	WSWB-DR	SCRANTON PA	BPRM -20080619ALI

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	WFUT-DT	NEWARK NJ	164.8	LIC	BLCDT -20090618ABZ
30	WSKA	CORNING NY	136.5	LIC	BLEDT -20060705ABL
30	WUTR	UTICA NY	195.4	LIC	BLCDT -20040217ADC
30	WGCB-TV	RED LION PA	184.8	LIC	BLCDT -20050615AAB
31	WTIC-TV	HARTFORD CT	242.7	LIC	BLCDT -20101222AAE
31	WPPX-TV	WILMINGTON DE	160.4	LIC	BLCDT -20031203AFL
31	WPPX-TV	WILMINGTON DE	160.4	CP	BPCDT -20080620AMP
31	WFXT	BOSTON MA	385.5	LIC	BLCDT -20090422ABH
31	WPXN-TV	RED LION NY	164.7	APP	BMPCDT -20080620ALZ
31	WPXN-TV	NEW YORK NY	164.8	LIC	BLCDT -20110729AAQ
31	WSWB	SCRANTON PA	0.0	LIC	BLCDT -20140326AAZ
32	WPSG	PHILADELPHIA PA	160.4	LIC	BLCDT -20021025AAS
32	WPSG	PHILADELPHIA PA	160.4	CP	BPCDT -20111024ACS

**Table 3 STA OET Bulletin 69 Interference Study**Antenna at Repositioned Orientation 359° True  
(worst-case scenarios shown page 10 of 22)

32	WQPX-TV	SCRANTON PA	0.3	LIC	BLCDT	-20060629AFR
32	STA-DT	NEW YORK NY	164.7	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application Ref. No.
31	WSWB	SCRANTON PA	BLCDT -20140326AAZ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	WFUT-DT	NEWARK NJ	164.8	LIC	BLCDT -20090618ABZ
30	WSKA	CORNING NY	136.5	LIC	BLEDT -20060705ABL
30	WUTR	UTICA NY	195.4	LIC	BLCDT -20040217ADC
30	WGCB-TV	RED LION PA	184.8	LIC	BLCDT -20050615AAB
31	WTIC-TV	HARTFORD CT	242.7	LIC	BLCDT -20101222AAE
31	WPPX-TV	WILMINGTON DE	160.4	LIC	BLCDT -20031203AFL
31	WPPX-TV	WILMINGTON DE	160.4	CP	BPCDT -20080620AMP
31	WFXT	BOSTON MA	385.5	LIC	BLCDT -20090422ABH
31	WPXN-TV	NEW YORK NY	164.7	APP	BMPCDT -20080620ALZ
31	WPXN-TV	NEW YORK NY	164.8	LIC	BLCDT -20110729AAQ
31	WSWB-DR	SCRANTON PA	0.0	APP	BPRM -20080619ALI
32	WPSG	PHILADELPHIA PA	160.4	LIC	BLCDT -20021025AAS
32	WPSG	PHILADELPHIA PA	160.4	CP	BPCDT -20111024ACS
32	WQPX-TV	SCRANTON PA	0.2	LIC	BLCDT -20060629AFR
32	STA-DT	NEW YORK NY	164.7	APP	USERRECORD-01

Proposal causes no interference

#####

Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application Ref. No.
32	WBPX-TV	BOSTON MA	BLCDT -20040723ACG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
31	WTIC-TV	HARTFORD CT	148.8	LIC	BLCDT -20101222AAE
31	WFXT	BOSTON MA	0.7	LIC	BLCDT -20090422ABH
32	WPSG	PHILADELPHIA PA	419.6	LIC	BLCDT -20021025AAS
32	WPSG	PHILADELPHIA PA	419.6	CP	BPCDT -20111024ACS
32	WQPX-TV	SCRANTON PA	385.0	LIC	BLCDT -20060629AFR
32	WETK	BURLINGTON VT	277.9	LIC	BLEDT -20061011ADW
33	WFSB	HARTFORD CT	143.3	CP	BPCDT -20110630AAH
33	WFSB	HARTFORD CT	143.3	LIC	BLCDT -20041029AIL
33	WPXG-TV	CONCORD NH	97.8	LIC	BLCDT -20031014AEP
32	STA-DT	NEW YORK NY	292.1	APP	USERRECORD-01

**Table 3 STA OET Bulletin 69 Interference Study**

Antenna at Repositioned Orientation 359° True  
(worst-case scenarios shown page 11 of 22)



Total scenarios = 1

Result key: 35  
Scenario 1 Affected station 10  
Before Analysis

Results for: 32A MA BOSTON BLCDT 20040723ACG LIC  
HAAT 292.0 m, ATV ERP 300.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6522194	19998.6
not affected by terrain losses	6494497	19692.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	133306	597.1
lost to ATV IX only	133306	597.1
lost to all IX	133306	597.1

Potential Interfering Stations Included in above Scenario 1

31A MA BOSTON	BLCDT	20090422ABH	LIC
32A VT BURLINGTON	BLEDT	20061011ADW	LIC
33A NH CONCORD	BLCDT	20031014AEP	LIC

After Analysis

Results for: 32A MA BOSTON BLCDT 20040723ACG LIC  
HAAT 292.0 m, ATV ERP 300.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6522194	19998.6
not affected by terrain losses	6494497	19692.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	133412	601.1
lost to ATV IX only	133412	601.1
lost to all IX	133412	601.1

Potential Interfering Stations Included in above Scenario 1

31A MA BOSTON	BLCDT	20090422ABH	LIC
32A VT BURLINGTON	BLEDT	20061011ADW	LIC
33A NH CONCORD	BLCDT	20031014AEP	LIC
32A NY NEW YORK	USERRECORD01		APP

Percent new IX = 0.0017%

Worst case new IX 0.0017% Scenario 1

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Analysis of Interference to Affected Station 11

Analysis of current record

Channel	Call	City/State	Application Ref. No.
32	WTAJ-TV	ALTOONA PA	BLCDT -20051018ACE

**Table 3 STA OET Bulletin 69 Interference Study**

Antenna at Repositioned Orientation 359° True  
(worst-case scenarios shown page 12 of 22)



Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
32	WNLO	BUFFALO NY	276.6	LIC	BLCDT -20070320AAV
32	WPSG	PHILADELPHIA PA	277.9	LIC	BLCDT -20021025AAS
32	WPSG	PHILADELPHIA PA	277.9	CP	BPCDT -20111024ACS
32	WQPX-TV	SCRANTON PA	247.3	LIC	BLCDT -20060629AFR
32	WVIR-TV	CHARLOTTESVILLE VA	287.1	LIC	BLCDT -20040908AAE
33	WHUT-TV	WASHINGTON DC	214.1	CP	BPEDT -20120627AAD
33	WHUT-TV	WASHINGTON DC	214.1	LIC	BLEDT -20071018AIJ
33	WNPB-TV	MORGANTOWN WV	148.2	LIC	BLEDT -20121205ACJ
32	STA-DT	NEW YORK NY	373.8	APP	USERRECORD-01

Proposal causes no interference

#####

Analysis of Interference to Affected Station 12

Analysis of current record

Channel	Call	City/State	Application Ref. No.
32	WPSG	PHILADELPHIA PA	BLCDT -20021025AAS

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
31	WPPX-TV	WILMINGTON DE	0.0	LIC	BLCDT -20031203AFL
31	WPPX-TV	WILMINGTON DE	0.0	CP	BPCDT -20080620AMP
31	WPXN-TV	NEW YORK NY	127.6	APP	BMPCDT -20080620ALZ
31	WPXN-TV	NEW YORK NY	131.8	LIC	BLCDT -20110729AAQ
31	WSWB-DR	SCRANTON PA	160.4	APP	BPRM -20080619ALI
31	WSWB	SCRANTON PA	160.4	LIC	BLCDT -20140326AAZ
32	WBPX-TV	BOSTON MA	419.6	LIC	BLCDT -20040723ACG
32	WTAJ-TV	ALTOONA PA	277.9	LIC	BLCDT -20051018ACE
32	WQPX-TV	SCRANTON PA	160.3	LIC	BLCDT -20060629AFR
32	WVIR-TV	CHARLOTTESVILLE VA	361.7	LIC	BLCDT -20040908AAE
33	WHUT-TV	WASHINGTON DC	199.3	CP	BPEDT -20120627AAD
33	WHUT-TV	WASHINGTON DC	199.3	LIC	BLEDT -20071018AIJ
33	WCBS-TV	NEW YORK NY	131.8	LIC	BLCDT -20090612AFN
33	WCBS-TV	NEW YORK NY	127.6	APP	BMPCDT -20080619AAZ
32	STA-DT	NEW YORK NY	127.6	APP	USERRECORD-01

Total scenarios = 4

Result key: 36  
Scenario 1 Affected station 12  
Before Analysis

Results for: 32A PA PHILADELPHIA BLCDT 20021025AAS LIC  
HAAT 400.0 m, ATV ERP 250.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	8509480	24022.7
not affected by terrain losses	8152989	23215.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	253859	569.3

**Table 3 STA OET Bulletin 69 Interference Study**Antenna at Repositioned Orientation 359° True  
(worst-case scenarios shown page 13 of 22)lost to ATV IX only 253859 569.3  
lost to all IX 253859 569.3

Potential Interfering Stations Included in above Scenario 1

31A NY NEW YORK	BLCDT	20110729AAQ	LIC
32A PA ALTOONA	BLCDT	20051018ACE	LIC
32A PA SCRANTON	BLCDT	20060629AFR	LIC
32A VA CHARLOTTESVILLE	BLCDT	20040908AAE	LIC
33A NY NEW YORK	BLCDT	20090612AFN	LIC

After Analysis

Results for: 32A PA PHILADELPHIA BLCDT 20021025AAS LIC  
HAAT 400.0 m, ATV ERP 250.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	8509480	24022.7
not affected by terrain losses	8152989	23215.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	573238	1320.2
lost to ATV IX only	573238	1320.2
lost to all IX	573238	1320.2

Potential Interfering Stations Included in above Scenario 1

31A NY NEW YORK	BLCDT	20110729AAQ	LIC
32A PA ALTOONA	BLCDT	20051018ACE	LIC
32A PA SCRANTON	BLCDT	20060629AFR	LIC
32A VA CHARLOTTESVILLE	BLCDT	20040908AAE	LIC
33A NY NEW YORK	BLCDT	20090612AFN	LIC
32A NY NEW YORK	USERRECORD01	APP	

The following station failed the de minimis interference criteria.

32D NY NEW YORK USERRECORD01  
ERP 230.00 kW HAAT 519.0 m RCAMSL 530.0 m  
Antenna usr RFS\_PHP\_32pan1Due to interference to the following station and scenario: 1  
32D PA PHILADELPHIA BLCDT 20021025AAS  
ERP 250.00 kW HAAT 400.0 m RCAMSL 465.0 m  
Antenna CDB 00000000044229

Percent new interference from proposal: 4.0432 to BLCDT 20021025AAS

Worst case new IX 4.0432% Scenario 1

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Analysis of Interference to Affected Station 13

Analysis of current record

Channel	Call	City/State	Application Ref. No.
32	WPSG	PHILADELPHIA PA	BPCDT -20111024ACS

Stations Potentially Affecting This Station

**Table 3 STA OET Bulletin 69 Interference Study**Antenna at Repositioned Orientation 359° True  
(worst-case scenarios shown page 14 of 22)

Chan	Call	City/State	Dist (km)	Status	Application	Ref. No.
31	WPPX-TV	WILMINGTON DE	0.0	LIC	BLCDT	-20031203AFL
31	WPPX-TV	WILMINGTON DE	0.0	CP	BPCDT	-20080620AMP
31	WPXN-TV	NEW YORK NY	127.6	APP	BMPCDT	-20080620ALZ
31	WPXN-TV	NEW YORK NY	131.8	LIC	BLCDT	-20110729AAQ
31	WSWB-DR	SCRANTON PA	160.4	APP	BPRM	-20080619ALI
31	WSWB	SCRANTON PA	160.4	LIC	BLCDT	-20140326AAZ
32	WBPX-TV	BOSTON MA	419.6	LIC	BLCDT	-20040723ACG
32	WTAJ-TV	ALTOONA PA	277.9	LIC	BLCDT	-20051018ACE
32	WQFX-TV	SCRANTON PA	160.3	LIC	BLCDT	-20060629AFR
32	WVIR-TV	CHARLOTTESVILLE VA	361.7	LIC	BLCDT	-20040908AAE
33	WHUT-TV	WASHINGTON DC	199.3	CP	BPEDT	-20120627AAD
33	WHUT-TV	WASHINGTON DC	199.3	LIC	BLEDT	-20071018AIJ
33	WCBS-TV	NEW YORK NY	131.8	LIC	BLCDT	-20090612AFN
33	WCBS-TV	NEW YORK NY	127.6	APP	BMPCDT	-20080619AAZ
32	STA-DT	NEW YORK NY	127.6	APP	USERRECORD-01	

Total scenarios = 4

Result key: 40  
Scenario 1 Affected station 13  
Before AnalysisResults for: 32A PA PHILADELPHIA BPCDT 20111024ACS CP  
HAAT 400.0 m, ATV ERP 800.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9669508	29443.7
not affected by terrain losses	9370058	28661.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	340585	889.9
lost to ATV IX only	340585	889.9
lost to all IX	340585	889.9

Potential Interfering Stations Included in above Scenario 1

31A NY NEW YORK	BLCDT	20110729AAQ	LIC
32A PA ALTOONA	BLCDT	20051018ACE	LIC
32A PA SCRANTON	BLCDT	20060629AFR	LIC
32A VA CHARLOTTESVILLE	BLCDT	20040908AAE	LIC
33A NY NEW YORK	BLCDT	20090612AFN	LIC

After Analysis

Results for: 32A PA PHILADELPHIA BPCDT 20111024ACS CP  
HAAT 400.0 m, ATV ERP 800.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9669508	29443.7
not affected by terrain losses	9370058	28661.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	910948	1915.6
lost to ATV IX only	910948	1915.6
lost to all IX	910948	1915.6

Potential Interfering Stations Included in above Scenario 1

**Table 3 STA OET Bulletin 69 Interference Study**

Antenna at Repositioned Orientation 359° True  
(worst-case scenarios shown page 15 of 22)



31A NY NEW YORK	BLCDT	20110729AAQ	LIC
32A PA ALTOONA	BLCDT	20051018ACE	LIC
32A PA SCRANTON	BLCDT	20060629AFR	LIC
32A VA CHARLOTTESVILLE	BLCDT	20040908AAE	LIC
33A NY NEW YORK	BLCDT	20090612AFN	LIC
32A NY NEW YORK	USERRECORD01	APP	

The following station failed the de minimis interference criteria.

32D NY NEW YORK USERRECORD01  
ERP 230.00 kW HAAT 519.0 m RCAMSL 530.0 m  
Antenna usr RFS\_PHP\_32pan1

Due to interference to the following station and scenario: 1  
32D PA PHILADELPHIA BPCDT 20111024ACS  
ERP 800.00 kW HAAT 400.0 m RCAMSL 465.0 m  
Antenna CDB 00000000107152

Percent new interference from proposal: 6.3167 to BPCDT 20111024ACS

Worst case new IX 6.3167% Scenario 1

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Analysis of Interference to Affected Station 14

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
32	WQPX-TV	SCRANTON PA	BLCDT	-20060629AFR

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
31	WPPX-TV	WILMINGTON DE	160.3	LIC	BLCDT	-20031203AFL
31	WPPX-TV	WILMINGTON DE	160.3	CP	BPCDT	-20080620AMP
31	WPXN-TV	NEW YORK NY	164.4	APP	BMPCDT	-20080620ALZ
31	WPXN-TV	NEW YORK NY	164.5	LIC	BLCDT	-20110729AAQ
31	WSWB-DR	SCRANTON PA	0.3	APP	BPRM	-20080619ALI
31	WSWB	SCRANTON PA	0.2	LIC	BLCDT	-20140326AAZ
32	WBPX-TV	BOSTON MA	385.0	LIC	BLCDT	-20040723ACG
32	WNLO	BUFFALO NY	317.1	LIC	BLCDT	-20070320AAV
32	WTAJ-TV	ALTOONA PA	247.3	LIC	BLCDT	-20051018ACE
32	WPSG	PHILADELPHIA PA	160.3	LIC	BLCDT	-20021025AAS
32	WPSG	PHILADELPHIA PA	160.3	CP	BPCDT	-20111024ACS
32	WETK	BURLINGTON VT	417.2	LIC	BLEDT	-20061011ADW
33	WCBS-TV	NEW YORK NY	164.5	LIC	BLCDT	-20090612AFN
33	WCBS-TV	NEW YORK NY	164.4	APP	BMPCDT	-20080619AAZ
32	STA-DT	NEW YORK NY	164.4	APP	USERRECORD-01	

Total scenarios = 12

Result key: 48  
Scenario 5 Affected station 14  
Before Analysis

Results for: 32A PA SCRANTON BLCDT 20060629AFR LIC

**Table 3 STA OET Bulletin 69 Interference Study**

Antenna at Repositioned Orientation 359° True  
(worst-case scenarios shown page 16 of 22)



HAAT	354.0 m, ATV ERP	528.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour			1448826	25306.8
not affected by terrain losses			1108316	21355.1
lost to NTSC IX			0	0.0
lost to additional IX by ATV			57794	1089.7
lost to ATV IX only			57794	1089.7
lost to all IX			57794	1089.7

Potential Interfering Stations Included in above Scenario 5

31A DE WILMINGTON	BLCDT	20031203AFL	LIC
31A PA SCRANTON	BPRM	20080619ALI	APP
31A PA SCRANTON	BLCDT	20140326AAZ	LIC
32A NY BUFFALO	BLCDT	20070320AAV	LIC
32A PA ALTOONA	BLCDT	20051018ACE	LIC
32A PA PHILADELPHIA	BLCDT	20021025AAS	LIC

After Analysis

Results for: 32A PA SCRANTON BLCDT 20060629AFR LIC

HAAT	354.0 m, ATV ERP	528.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour			1448826	25306.8
not affected by terrain losses			1108316	21355.1
lost to NTSC IX			0	0.0
lost to additional IX by ATV			66430	1293.3
lost to ATV IX only			66430	1293.3
lost to all IX			66430	1293.3

Potential Interfering Stations Included in above Scenario 5

31A DE WILMINGTON	BLCDT	20031203AFL	LIC
31A PA SCRANTON	BPRM	20080619ALI	APP
31A PA SCRANTON	BLCDT	20140326AAZ	LIC
32A NY BUFFALO	BLCDT	20070320AAV	LIC
32A PA ALTOONA	BLCDT	20051018ACE	LIC
32A PA PHILADELPHIA	BLCDT	20021025AAS	LIC
32A NY NEW YORK	USERRECORD01	APP	

The following station failed the de minimis interference criteria.

32D NY NEW YORK USERRECORD01  
ERP 230.00 kW HAAT 519.0 m RCAMSL 530.0 m  
Antenna usr RFS\_PHP\_32pan1

Due to interference to the following station and scenario: 5

32D PA SCRANTON BLCDT 20060629AFR  
ERP 528.00 kW HAAT 354.0 m RCAMSL 712.0 m  
Antenna CDB 0000000059210

Percent new interference from proposal: 0.8221 to BLCDT 20060629AFR

Worst case new IX 0.8221% Scenario 5

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**Table 3 STA OET Bulletin 69 Interference Study**

Antenna at Repositioned Orientation 359° True  
(worst-case scenarios shown page 17 of 22)



Analysis of Interference to Affected Station 15

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
33	WFSB	HARTFORD CT	BPCDT	-20110630AAH

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
32	WBPX-TV	BOSTON MA	143.3	LIC	BLCDT	-20040723ACG
33	WPXG-TV	CONCORD NH	198.4	LIC	BLCDT	-20031014AEP
33	WCBS-TV	NEW YORK NY	150.8	LIC	BLCDT	-20090612AFN
33	WCBS-TV	NEW YORK NY	155.3	APP	BMPCDT	-20080619AAZ
34	WNEU	MERRIMACK NH	167.4	LIC	BLCDT	-20021028AAH
34	WMHT	SCHENECTADY NY	137.0	LIC	BLEDT	-20040108ALV
32	STA-DT	NEW YORK NY	155.3	APP	USERRECORD-01	

Total scenarios = 2

Result key: 56

Scenario 1 Affected station 15  
Before Analysis

Results for: 33A CT HARTFORD BPCDT 20110630AAH CP

	POPULATION	AREA (sq km)
HAAT 289.0 m, ATV ERP 1000.0 kW		
within Noise Limited Contour	4745845	28750.5
not affected by terrain losses	4345545	25900.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	714580	3778.2
lost to ATV IX only	714580	3778.2
lost to all IX	714580	3778.2

Potential Interfering Stations Included in above Scenario 1

32A MA BOSTON	BLCDT	20040723ACG	LIC
33A NH CONCORD	BLCDT	20031014AEP	LIC
33A NY NEW YORK	BLCDT	20090612AFN	LIC
34A NY SCHENECTADY	BLEDT	20040108ALV	LIC

After Analysis

Results for: 33A CT HARTFORD BPCDT 20110630AAH CP

	POPULATION	AREA (sq km)
HAAT 289.0 m, ATV ERP 1000.0 kW		
within Noise Limited Contour	4745845	28750.5
not affected by terrain losses	4345545	25900.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	716190	3786.2
lost to ATV IX only	716190	3786.2
lost to all IX	716190	3786.2

Potential Interfering Stations Included in above Scenario 1

32A MA BOSTON	BLCDT	20040723ACG	LIC
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**Table 3 STA OET Bulletin 69 Interference Study**

Antenna at Repositioned Orientation 359° True  
(worst-case scenarios shown page 18 of 22)



33A NH CONCORD	BLCDT	20031014AEP	LIC
33A NY NEW YORK	BLCDT	20090612AFN	LIC
34A NY SCHENECTADY	BLEDT	20040108ALV	LIC
32A NY NEW YORK	USERRECORD01		APP

Percent new IX = 0.0443%

Worst case new IX 0.0443% Scenario 1

#####

Analysis of Interference to Affected Station 16

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
33	WFSB	HARTFORD CT	BLCDT	-20041029AIL

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
32	WBPX-TV	BOSTON MA	143.3	LIC	BLCDT	-20040723ACG
33	WPXG-TV	CONCORD NH	198.4	LIC	BLCDT	-20031014AEP
33	WCBS-TV	NEW YORK NY	150.8	LIC	BLCDT	-20090612AFN
33	WCBS-TV	NEW YORK NY	155.3	APP	BMPCDT	-20080619AAZ
34	WNEU	MERRIMACK NH	167.4	LIC	BLCDT	-20021028AAH
34	WMHT	SCHENECTADY NY	137.0	LIC	BLEDT	-20040108ALV
32	STA-DT	NEW YORK NY	155.3	APP	USERRECORD-01	

Total scenarios = 2

Result key: 58

Scenario 1 Affected station 16  
Before Analysis

Results for: 33A CT HARTFORD BLCDT 20041029AIL LIC

	POPULATION	AREA (sq km)
HAAT 289.0 m, ATV ERP 1000.0 kW		
within Noise Limited Contour	4594265	27295.2
not affected by terrain losses	4213689	24657.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	729894	3771.2
lost to ATV IX only	729894	3771.2
lost to all IX	729894	3771.2

Potential Interfering Stations Included in above Scenario 1

32A MA BOSTON	BLCDT	20040723ACG	LIC
33A NH CONCORD	BLCDT	20031014AEP	LIC
33A NY NEW YORK	BLCDT	20090612AFN	LIC
34A NY SCHENECTADY	BLEDT	20040108ALV	LIC

After Analysis

Results for: 33A CT HARTFORD BLCDT 20041029AIL LIC

**Table 3 STA OET Bulletin 69 Interference Study**

Antenna at Repositioned Orientation 359° True  
(worst-case scenarios shown page 19 of 22)



HAAT 289.0 m, ATV ERP 1000.0 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	4594265	27295.2
not affected by terrain losses	4213689	24657.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	732121	3775.3
lost to ATV IX only	732121	3775.3
lost to all IX	732121	3775.3

Potential Interfering Stations Included in above Scenario 1

32A MA BOSTON	BLCDT	20040723ACG	LIC
33A NH CONCORD	BLCDT	20031014AEP	LIC
33A NY NEW YORK	BLCDT	20090612AFN	LIC
34A NY SCHENECTADY	BLEDT	20040108ALV	LIC
32A NY NEW YORK	USERRECORD01	APP	

Percent new IX = 0.0639%

Worst case new IX 0.0639% Scenario 1

#####

Analysis of Interference to Affected Station 17

Analysis of current record

Channel	Call	City/State	Application Ref. No.
33	WCBS-TV	NEW YORK NY	BLCDT -20090612AFN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
32	WPSG	PHILADELPHIA PA	131.8	LIC	BLCDT -20021025AAS
32	WPSG	PHILADELPHIA PA	131.8	CP	BPCDT -20111024ACS
32	WQPX-TV	SCRANTON PA	164.5	LIC	BLCDT -20060629AFR
33	WFSB	HARTFORD CT	150.8	CP	BPCDT -20110630AAH
33	WFSB	HARTFORD CT	150.8	LIC	BLCDT -20041029AIL
33	WHUT-TV	WASHINGTON DC	331.1	CP	BPEDT -20120627AAD
33	WHUT-TV	WASHINGTON DC	331.1	LIC	BLEDT -20071018AIJ
33	WPXG-TV	CONCORD NH	349.1	LIC	BLCDT -20031014AEP
34	WIVT	BINGHAMTON NY	218.9	LIC	BLCDT -20090819AGR
34	WMHT	SCHENECTADY NY	208.6	LIC	BLEDT -20040108ALV
34	WCAU	PHILADELPHIA PA	131.8	LIC	BLCDT -20090914AAX
32	STA-DT	NEW YORK NY	4.6	APP	USERRECORD-01

Total scenarios = 8

Result key: 60  
Scenario 1 Affected station 17  
Before Analysis

Results for: 33A NY NEW YORK BLCDT 20090612AFN LIC  
HAAT 397.0 m, ATV ERP 284.0 kW  
POPULATION AREA (sq km)

**Table 3 STA OET Bulletin 69 Interference Study**

Antenna at Repositioned Orientation 359° True  
(worst-case scenarios shown page 20 of 22)



within Noise Limited Contour	19826780	28687.1
not affected by terrain losses	19513578	26843.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	755238	3168.4
lost to ATV IX only	755238	3168.4
lost to all IX	755238	3168.4

Potential Interfering Stations Included in above Scenario 1

32A PA PHILADELPHIA	BLCDT	20021025AAS	LIC
33A CT HARTFORD	BPCDT	20110630AAH	CP
33A DC WASHINGTON	BPEDT	20120627AAD	CP
33A NH CONCORD	BLCDT	20031014AEP	LIC
34A PA PHILADELPHIA	BLCDT	20090914AAX	LIC

After Analysis

Results for: 33A NY NEW YORK BLCDT 20090612AFN LIC

HAAT 397.0 m, ATV ERP 284.0 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	19826780	28687.1
not affected by terrain losses	19513578	26843.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	781708	3208.3
lost to ATV IX only	781708	3208.3
lost to all IX	781708	3208.3

Potential Interfering Stations Included in above Scenario 1

32A PA PHILADELPHIA	BLCDT	20021025AAS	LIC
33A CT HARTFORD	BPCDT	20110630AAH	CP
33A DC WASHINGTON	BPEDT	20120627AAD	CP
33A NH CONCORD	BLCDT	20031014AEP	LIC
34A PA PHILADELPHIA	BLCDT	20090914AAX	LIC
32A NY NEW YORK	USERRECORD01	APP	

Percent new IX = 0.1411%

Worst case new IX 0.1411% Scenario 1

#####

Analysis of Interference to Affected Station 18

Analysis of current record

Channel	Call	City/State	Application Ref. No.
33	WCBS-TV	NEW YORK NY	BMPCDT -20080619AAZ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
32	WPSG	PHILADELPHIA PA	127.6	LIC	BLCDT -20021025AAS
32	WPSG	PHILADELPHIA PA	127.6	CP	BPCDT -20111024ACS
32	WQPX-TV	SCRANTON PA	164.4	LIC	BLCDT -20060629AFR
33	WFSB	HARTFORD CT	155.3	CP	BPCDT -20110630AAH

### Table 3 STA OET Bulletin 69 Interference Study

Antenna at Repositioned Orientation 359° True  
(worst-case scenarios shown page 21 of 22)



33	WFSB	HARTFORD CT	155.3	LIC	BLCDDT	-20041029AIL
33	WHUT-TV	WASHINGTON DC	326.9	CP	BPEDT	-20120627AAD
33	WHUT-TV	WASHINGTON DC	326.9	LIC	BLEDT	-20071018AIJ
33	WPXG-TV	CONCORD NH	353.6	LIC	BLCDDT	-20031014AEP
34	WIVT	BINGHAMTON NY	219.9	LIC	BLCDDT	-20090819AGR
34	WMHT	SCHENECTADY NY	212.6	LIC	BLEDT	-20040108ALV
34	WCAU	PHILADELPHIA PA	127.6	LIC	BLCDDT	-20090914AAX
32	STA-DT	NEW YORK NY	0.0	APP	USERRECORD-01	

Proposal causes no interference

#####

Analysis of Interference to Affected Station 19

Analysis of current record

Channel	Call	City/State	Application Ref. No.
32	STA-DT	NEW YORK NY	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
31	WTIC-TV	HARTFORD CT	147.9	LIC	BLCDDT -20101222AAE
31	WPPX-TV	WILMINGTON DE	127.6	LIC	BLCDDT -20031203AFL
31	WPPX-TV	WILMINGTON DE	127.6	CP	BPCDDT -20080620AMP
31	WPXN-TV	NEW YORK NY	0.0	APP	BMPCDT -20080620ALZ
31	WPXN-TV	NEW YORK NY	4.6	LIC	BLCDDT -20110729AAQ
31	WSWB-DR	SCRANTON PA	164.7	APP	BPRM -20080619ALI
31	WSWB	SCRANTON PA	164.7	LIC	BLCDDT -20140326AAZ
32	WBPX-TV	BOSTON MA	292.1	LIC	BLCDDT -20040723ACG
32	WTAJ-TV	ALTOONA PA	373.8	LIC	BLCDDT -20051018ACE
32	WPSG	PHILADELPHIA PA	127.6	LIC	BLCDDT -20021025AAS
32	WPSG	PHILADELPHIA PA	127.6	CP	BPCDDT -20111024ACS
32	WQPX-TV	SCRANTON PA	164.4	LIC	BLCDDT -20060629AFR
33	WFSB	HARTFORD CT	155.3	CP	BPCDDT -20110630AAH
33	WFSB	HARTFORD CT	155.3	LIC	BLCDDT -20041029AIL
33	WCBS-TV	NEW YORK NY	4.6	LIC	BLCDDT -20090612AFN
33	WCBS-TV	NEW YORK NY	0.0	APP	BMPCDT -20080619AAZ

Total scenarios = 16

Result key: 68

Scenario 1 Affected station 19  
Before Analysis

Results for: 32A NY NEW YORK USERRECORD01 APP

HAAT 519.0 m, ATV ERP 230.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	17271559	16207.5
not affected by terrain losses	16940049	14713.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	6419004	5209.3
lost to ATV IX only	6419004	5209.3
lost to all IX	6419004	5209.3

### Table 3 STA OET Bulletin 69 Interference Study

Antenna at Repositioned Orientation 359° True  
(worst-case scenarios shown page 22 of 22)



Potential Interfering Stations Included in above Scenario 1

31A DE WILMINGTON	BLCDDT	20031203AFL	LIC
31A NY NEW YORK	BLCDDT	20110729AAQ	LIC
32A MA BOSTON	BLCDDT	20040723ACG	LIC
32A PA PHILADELPHIA	BLCDDT	20021025AAS	LIC
32A PA SCRANTON	BLCDDT	20060629AFR	LIC
33A NY NEW YORK	BLCDDT	20090612AFN	LIC

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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED

**Table 4 STA OET Bulletin 69 Interference Study**

Antenna at Repositioned Orientation 59° True  
(worst-case scenarios shown page 1 of 22)



TW Census data selected 2000  
Data Base Selected  
/space/software/cdbs/pt\_tvdb.sff

## TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 10-21-2014 Time: 17:40:00

Record Selected for Analysis

STA-DT USERRECORD-01 NEW YORK NY US  
Channel 32 ERP 230. kW HAAT 519. m RCAMSL 00530 m  
Latitude 040-42-46 Longitude 0074-00-49  
Status APP Zone 1 Border Site number: 01  
Dir Antenna Make usr Model RFS\_PHP\_32panl Beam tilt N Ref Azimuth 59.  
Last update Cutoff date Docket  
Comments  
Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility (site # 01) meets maximum height/power limits

Site number	1		
Azimuth	ERP	HAAT	41.0 dBu F(50,90)
(Deg)	(kW)	(m)	(km)
0.0	10.900	511.9	77.8
45.0	181.610	529.1	100.8
90.0	84.492	508.4	92.7
135.0	3.084	519.9	69.5
180.0	0.244	522.8	54.1
225.0	0.081	519.6	47.3
270.0	0.282	521.3	54.9
315.0	0.238	516.6	53.8

Evaluation toward Class A Stations from site # 01

No Spacing violations or contour overlap  
to Class A stations from site # 01

Class A Evaluation Complete

Checks to Site Number 01

**Table 4 STA OET Bulletin 69 Interference Study**

Antenna at Repositioned Orientation 59° True  
(worst-case scenarios shown page 2 of 22)



Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is within the Canadian coordination distance  
Distance to border = 397.6km

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
32	STA-DT	NEW YORK NY	USERRECORD01	

## Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
24	W24BB	EAST STROUDSBURG PA	130.1	LIC	BLTTL	19911219JM
28	WFPA-CA	PHILADELPHIA PA	127.8	LIC	BLTTL	20000428ABK
31	WTIC-TV	HARTFORD CT	147.9	LIC	BLCDT	20101222AAE
31	WPPX-TV	WILMINGTON DE	127.6	LIC	BLCDT	20031203AFL
31	WPPX-TV	WILMINGTON DE	127.6	CP	BPCDT	20080620AMP
31	WPXN-TV	NEW YORK NY	0.0	APP	BMPCDT	20080620ALZ
31	WPXN-TV	NEW YORK NY	4.6	LIC	BLCDT	20110729AAQ
31	WSWB-DR	SCRANTON PA	164.7	APP	BPRM	20080619ALI
31	WSWB	SCRANTON PA	164.7	LIC	BLCDT	20140326AAZ
32	WBPX-TV	BOSTON MA	292.1	LIC	BLCDT	20040723ACG
32	WTAJ-TV	ALTOONA PA	373.8	LIC	BLCDT	20051018ACE
32	WPSG	PHILADELPHIA PA	127.6	LIC	BLCDT	20021025AAS
32	WPSG	PHILADELPHIA PA	127.6	CP	BPCDT	20111024ACS
32	WQPX-TV	SCRANTON PA	164.4	LIC	BLCDT	20060629AFR
33	WFSB	HARTFORD CT	155.3	CP	BPCDT	20110630AAH
33	WFSB	HARTFORD CT	155.3	LIC	BLCDT	20041029AIL
33	WCBS-TV	NEW YORK NY	4.6	LIC	BLCDT	20090612AFN
33	WCBS-TV	NEW YORK NY	0.0	APP	BMPCDT	20080619AAZ

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## Analysis of Interference to Affected Station 1

Channel	Call	City/State	Application	Ref. No.
24	W24BB	EAST STROUDSBURG PA	BLTTL	-19911219JM

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
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**Table 4 STA OET Bulletin 69 Interference Study**Antenna at Repositioned Orientation 59° True  
(worst-case scenarios shown page 3 of 22)

17	WPHL-TV	PHILADELPHIA PA	111.7	LIC	BLCDT	-20090918ABV
21	WHP-TV	HARRISBURG PA	137.7	LIC	BLCDT	-20130703ACZ
23	WLYH-TV	LANCASTER PA	117.3	LIC	BLCDT	-20040922AAC
24	WNYE-TV	NEW YORK NY	131.0	LIC	BLEDT	-20071228ABM
24	W24EF	PORT JERVIS NY	78.6	LIC	BLTTL	-20121024AAA
24	WSTM-TV	SYRACUSE NY	219.2	LIC	BLCDT	-20090622AEM
24	WATM-TV	ALTOONA PA	252.5	LIC	BLCDT	-20050603ACF
24	W24DB	CLARKS SUMMIT PA	49.2	LIC	BLTTA	-20041202ADB
24	WPHA-CD	PHILADELPHIA PA	111.8	APP	BMPDTA	-20120716AFD
24	WPHA-CD	PHILADELPHIA PA	111.8	CP MOD	BMPDTA	-20120925ADS
24	W24CS	READING PA	81.8	LIC	BLTT	-20030321AAO
24	WNVC	FAIRFAX VA	280.5	LIC	BLEDT	-20090612ACS
24	WVTA	WINDSOR VT	367.3	LIC	BLEDT	-20070307AAW
25	WTVE	READING PA	111.8	LIC	BLCDT	-20100405ABM
25	WTVE	READING PA	79.0	APP	BPCDT	-20100422ACQ
25	WTVE	READING PA	81.8	LIC	BLCDT	-20100405ABM
26	KYW-TV	PHILADELPHIA PA	111.6	LIC	BLCDT	-20090326ABH
27	WGTW-TV	BURLINGTON NJ	111.8	LIC	BLCDT	-20060105AAR
27	WTBY-TV	POUGHKEEPSIE NY	139.8	LIC	BLCDT	-20090902ACZ
28	WNBC	NEW YORK NY	131.3	LIC	BLCDT	-20080409AAM
28	WNBC	NEW YORK NY	130.1	APP	BPCDT	-20080620ADL
31	WPPX-TV	WILMINGTON DE	111.8	LIC	BLCDT	-20031203AFL
31	WPPX-TV	WILMINGTON DE	111.8	CP	BPCDT	-20080620AMP
31	WPXN-TV	NEW YORK NY	130.1	APP	BMPCDT	-20080620ALZ
31	WPXN-TV	NEW YORK NY	131.3	LIC	BLCDT	-20110729AAQ
31	WSWB-DR	SCRANTON PA	49.2	APP	BPRM	-20080619ALI
31	WSWB	SCRANTON PA	49.2	LIC	BLCDT	-20140326AAZ
32	WPSG	PHILADELPHIA PA	111.8	LIC	BLCDT	-20021025AAS
32	WPSG	PHILADELPHIA PA	111.8	CP	BPCDT	-20111024ACS
32	WQPX-TV	SCRANTON PA	49.0	LIC	BLCDT	-20060629AFR
38	WWOR-TV	SECAUCUS NJ	131.3	CP MOD	BMPCDT	-20040130AZR
38	WWOR-TV	SECAUCUS NJ	131.3	CP	BPCDT	-20121210ABN
39	WLVT-TV	ALLEN TOWN PA	51.7	LIC	BLEDT	-20090605ABD
32	STA-DT	NEW YORK NY	130.1	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

#####

## Analysis of Interference to Affected Station 2

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
28	WPPA-CA	PHILADELPHIA PA	BLTTL -20000428ABK

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
21	WHP-TV	HARRISBURG PA	142.7	LIC	BLCDT -20130703ACZ
24	WNYE-TV	NEW YORK NY	132.5	LIC	BLEDT -20071228ABM
25	WTVE	READING PA	0.3	LIC	BLCDT -20100405ABM
25	WTVE	READING PA	50.6	APP	BPCDT -20100422ACQ
25	WTVE	READING PA	66.2	LIC	BLCDT -20100405ABM
26	KYW-TV	PHILADELPHIA PA	0.6	LIC	BLCDT -20090326ABH

**Table 4 STA OET Bulletin 69 Interference Study**Antenna at Repositioned Orientation 59° True  
(worst-case scenarios shown page 4 of 22)

27	WGTW-TV	BURLINGTON NJ	0.3	LIC	BLCDT	-20060105AAR
28	WFPT	FREDERICK MD	197.6	LIC	BLEDT	-20090330AFA
28	WCPB	SALISBURY MD	186.3	LIC	BLEDT	-20090209AEM
28	WNBC	NEW YORK NY	132.0	LIC	BLCDT	-20080409AAM
28	WNBC	NEW YORK NY	127.8	APP	BPCDT	-20080620ADL
29	WUVP-DT	VINELAND NJ	0.3	LIC	BLCDT	-20090923ADS
29	WNYJ-TV	WEST MILFORD NJ	117.6	LIC	BLEDT	-20040712ACP
30	WFUT-DT	NEWARK NJ	132.0	LIC	BLCDT	-20090618ABZ
30	WGCB-TV	RED LION PA	115.6	LIC	BLCDT	-20050615AAB
31	WPPX-TV	WILMINGTON DE	0.3	LIC	BLCDT	-20031203AFL
31	WPPX-TV	WILMINGTON DE	0.3	CP	BPCDT	-20080620AMP
31	WPXN-TV	NEW YORK NY	127.8	APP	BMPCDT	-20080620ALZ
31	WPXN-TV	NEW YORK NY	132.0	LIC	BLCDT	-20110729AAQ
32	WPSG	PHILADELPHIA PA	0.3	LIC	BLCDT	-20021025AAS
32	WPSG	PHILADELPHIA PA	0.3	CP	BPCDT	-20111024ACS
35	WYBE	PHILADELPHIA PA	0.3	LIC	BLEDT	-20091222ABE
36	WNJU	LINDEN NJ	119.2	LIC	BLCDT	-20080514ADL
36	WNJU	LINDEN NJ	132.0	CP	BPCDT	-20140917AFD
36	WMGM-TV	WILDWOOD NJ	109.4	LIC	BLCDT	-20060626ABE
36	WITF-TV	HARRISBURG PA	142.7	LIC	BLEDT	-20000922AHE
42	WZME	BRIDGEPORT CT	132.0	APP	BPCDT	-20120601ARY
42	WTXF-TV	PHILADELPHIA PA	0.2	LIC	BLCDT	-20120511ADN
43	WNJT	TRENTON NJ	54.0	LIC	BLEDT	-20110427ABE
32	STA-DT	NEW YORK NY	127.8	APP	USERRECORD-01	
42	WZME	BRIDGEPORT CT		APP	BPCDT	-20120601ARY

Proposed station is beyond the site to  
nearest cell evaluation distance

#####

## Analysis of Interference to Affected Station 3

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
31	WTIC-TV	HARTFORD CT	BLCDT -20101222AAE

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	WBZ-TV	BOSTON MA	148.0	LIC	BLCDT -20060420ABG
30	WFUT-DT	NEWARK NJ	143.4	LIC	BLCDT -20090618ABZ
31	WPPX-TV	WILMINGTON DE	273.7	LIC	BLCDT -20031203AFL
31	WPPX-TV	WILMINGTON DE	273.7	CP	BPCDT -20080620AMP
31	WFFT	BOSTON MA	149.0	LIC	BLCDT -20090422ABH
31	WPXN-TV	NEW YORK NY	147.9	APP	BMPCDT -20080620ALZ
31	WPXN-TV	NEW YORK NY	143.4	LIC	BLCDT -20110729AAQ
31	WSWB-DR	SCRANTON PA	242.7	APP	BPRM -20080619ALI
31	WSWB	SCRANTON PA	242.7	LIC	BLCDT -20140326AAZ
32	WBPX-TV	BOSTON MA	148.8	LIC	BLCDT -20040723ACG
32	STA-DT	NEW YORK NY	147.9	APP	USERRECORD-01

Total scenarios = 10

Result key: 7

**Table 4 STA OET Bulletin 69 Interference Study**Antenna at Repositioned Orientation 59° True  
(worst-case scenarios shown page 5 of 22)Scenario 7 Affected station 3  
Before Analysis

Results for: 31A CT HARTFORD BLCDT 20101222AAE LIC  
HAAT 506.0 m, ATV ERP 495.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	5076673	32573.6
not affected by terrain losses	4478267	28770.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	723979	4313.4
lost to ATV IX only	723979	4313.4
lost to all IX	723979	4313.4

Potential Interfering Stations Included in above Scenario 7

30A MA BOSTON	BLCDT	20060420ABG	LIC
30A NJ NEWARK	BLCDT	20090618ABZ	LIC
31A DE WILMINGTON	BPCDT	20080620AMP	CP
31A MA BOSTON	BLCDT	20090422ABH	LIC
31A NY NEW YORK	BMPCDT	20080620ALZ	APP
31A PA SCRANTON	BPRM	20080619ALI	APP
31A PA SCRANTON	BLCDT	20140326AAZ	LIC
32A MA BOSTON	BLCDT	20040723ACG	LIC

After Analysis

Results for: 31A CT HARTFORD BLCDT 20101222AAE LIC  
HAAT 506.0 m, ATV ERP 495.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	5076673	32573.6
not affected by terrain losses	4478267	28770.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	724864	4317.4
lost to ATV IX only	724864	4317.4
lost to all IX	724864	4317.4

Potential Interfering Stations Included in above Scenario 7

30A MA BOSTON	BLCDT	20060420ABG	LIC
30A NJ NEWARK	BLCDT	20090618ABZ	LIC
31A DE WILMINGTON	BPCDT	20080620AMP	CP
31A MA BOSTON	BLCDT	20090422ABH	LIC
31A NY NEW YORK	BMPCDT	20080620ALZ	APP
31A PA SCRANTON	BPRM	20080619ALI	APP
31A PA SCRANTON	BLCDT	20140326AAZ	LIC
32A MA BOSTON	BLCDT	20040723ACG	LIC
32A NY NEW YORK	USERRECORD01		APP

Percent new IX = 0.0236%

Worst case new IX 0.0236% Scenario 7

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Analysis of Interference to Affected Station 4

**Table 4 STA OET Bulletin 69 Interference Study**Antenna at Repositioned Orientation 59° True  
(worst-case scenarios shown page 6 of 22)

Analysis of current record  
Channel Call City/State Application Ref. No.  
31 WPPX-TV WILMINGTON DE BLCDT -20031203AFL

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	WFUT-DT	NEWARK NJ	131.8	LIC	BLCDT -20090618ABZ
30	WGCB-TV	RED LION PA	115.7	LIC	BLCDT -20050615AAB
31	WTIC-TV	HARTFORD CT	273.7	LIC	BLCDT -20101222AAE
31	WFXT	BOSTON MA	419.6	LIC	BLCDT -20090422ABH
31	WPXN-TV	NEW YORK NY	127.6	APP	BMPCDT -20080620ALZ
31	WPXN-TV	NEW YORK NY	131.8	LIC	BLCDT -20110729AAQ
31	WSWB-DR	SCRANTON PA	160.4	APP	BPRM -20080619ALI
31	WSWB	SCRANTON PA	160.4	LIC	BLCDT -20140326AAZ
31	WAVY-TV	PORTSMOUTH VA	374.8	LIC	BLCDT -20010409ABP
32	WPSG	PHILADELPHIA PA	0.0	LIC	BLCDT -20021025AAS
32	WPSG	PHILADELPHIA PA	0.0	CP	BPCDT -20111024ACS
32	WQFX-TV	SCRANTON PA	160.3	LIC	BLCDT -20060629AFR
32	STA-DT	NEW YORK NY	127.6	APP	USERRECORD-01

Proposal causes no interference

#####

Analysis of Interference to Affected Station 5

Analysis of current record  
Channel Call City/State Application Ref. No.  
31 WPPX-TV WILMINGTON DE BPCDT -20080620AMP

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	WFUT-DT	NEWARK NJ	131.8	LIC	BLCDT -20090618ABZ
30	WGCB-TV	RED LION PA	115.7	LIC	BLCDT -20050615AAB
31	WTIC-TV	HARTFORD CT	273.7	LIC	BLCDT -20101222AAE
31	WFXT	BOSTON MA	419.6	LIC	BLCDT -20090422ABH
31	WPXN-TV	NEW YORK NY	127.6	APP	BMPCDT -20080620ALZ
31	WPXN-TV	NEW YORK NY	131.8	LIC	BLCDT -20110729AAQ
31	WSWB-DR	SCRANTON PA	160.4	APP	BPRM -20080619ALI
31	WSWB	SCRANTON PA	160.4	LIC	BLCDT -20140326AAZ
31	WAVY-TV	PORTSMOUTH VA	374.8	LIC	BLCDT -20010409ABP
32	WPSG	PHILADELPHIA PA	0.0	LIC	BLCDT -20021025AAS
32	WPSG	PHILADELPHIA PA	0.0	CP	BPCDT -20111024ACS
32	WQFX-TV	SCRANTON PA	160.3	LIC	BLCDT -20060629AFR
32	STA-DT	NEW YORK NY	127.6	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 6

**Table 4 STA OET Bulletin 69 Interference Study**Antenna at Repositioned Orientation 59° True  
(worst-case scenarios shown page 7 of 22)

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
31	WPXN-TV	NEW YORK NY	BMPCDT	-20080620ALZ

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
30	WFUT-DT	NEWARK NJ	4.6	LIC	BLCDT	-20090618ABZ
31	WTIC-TV	HARTFORD CT	147.9	LIC	BLCDT	-20101222AAE
31	WPPX-TV	WILMINGTON DE	127.6	LIC	BLCDT	-20031203AFL
31	WPPX-TV	WILMINGTON DE	127.6	CP	BPCDT	-20080620AMP
31	WFXT	BOSTON MA	292.1	LIC	BLCDT	-20090422ABH
31	WSWB-DR	SCRANTON PA	164.7	APP	BPRM	-20080619ALI
31	WSWB	SCRANTON PA	164.7	LIC	BLCDT	-20140326AAZ
32	WPSG	PHILADELPHIA PA	127.6	LIC	BLCDT	-20021025AAS
32	WPSG	PHILADELPHIA PA	127.6	CP	BPCDT	-20111024ACS
32	WQPX-TV	SCRANTON PA	164.4	LIC	BLCDT	-20060629AFR
32	STA-DT	NEW YORK NY	0.0	APP	USERRECORD-01	

Total scenarios = 12

Result key: 15

Scenario 5 Affected station 6  
Before Analysis

Results for: 31A NY NEW YORK BMPCDT 20080620ALZ APP

HAAT	458.0 m, ATV ERP	285.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour			19606703	27346.1
not affected by terrain losses			19277919	25574.1
lost to NTSC IX			0	0.0
lost to additional IX by ATV			1177160	4545.7
lost to ATV IX only			1177160	4545.7
lost to all IX			1177160	4545.7

## Potential Interfering Stations Included in above Scenario 5

30A NJ NEWARK	BLCDT	20090618ABZ	LIC
31A CT HARTFORD	BLCDT	20101222AAE	LIC
31A DE WILMINGTON	BLCDT	20031203AFL	LIC
31A MA BOSTON	BLCDT	20090422ABH	LIC
31A PA SCRANTON	BPRM	20080619ALI	APP
31A PA SCRANTON	BLCDT	20140326AAZ	LIC
32A PA PHILADELPHIA	BLCDT	20021025AAS	LIC

After Analysis

Results for: 31A NY NEW YORK BMPCDT 20080620ALZ APP

HAAT	458.0 m, ATV ERP	285.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour			19606703	27346.1
not affected by terrain losses			19277919	25574.1
lost to NTSC IX			0	0.0
lost to additional IX by ATV			1197663	4581.6
lost to ATV IX only			1197663	4581.6
lost to all IX			1197663	4581.6

**Table 4 STA OET Bulletin 69 Interference Study**Antenna at Repositioned Orientation 59° True  
(worst-case scenarios shown page 8 of 22)

Potential Interfering Stations Included in above Scenario 5

30A NJ NEWARK	BLCDT	20090618ABZ	LIC
31A CT HARTFORD	BLCDT	20101222AAE	LIC
31A DE WILMINGTON	BLCDT	20031203AFL	LIC
31A MA BOSTON	BLCDT	20090422ABH	LIC
31A PA SCRANTON	BPRM	20080619ALI	APP
31A PA SCRANTON	BLCDT	20140326AAZ	LIC
32A PA PHILADELPHIA	BLCDT	20021025AAS	LIC
32A NY NEW YORK	USERRECORD01		APP

Percent new IX = 0.1133%

Worst case new IX 0.1133% Scenario 5

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## Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
31	WPXN-TV	NEW YORK NY	BLCDT	-20110729AAQ

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
30	WFUT-DT	NEWARK NJ	0.0	LIC	BLCDT	-20090618ABZ
31	WTIC-TV	HARTFORD CT	143.4	LIC	BLCDT	-20101222AAE
31	WPPX-TV	WILMINGTON DE	131.8	LIC	BLCDT	-20031203AFL
31	WPPX-TV	WILMINGTON DE	131.8	CP	BPCDT	-20080620AMP
31	WFXT	BOSTON MA	287.9	LIC	BLCDT	-20090422ABH
31	WSWB-DR	SCRANTON PA	164.8	APP	BPRM	-20080619ALI
31	WSWB	SCRANTON PA	164.8	LIC	BLCDT	-20140326AAZ
32	WPSG	PHILADELPHIA PA	131.8	LIC	BLCDT	-20021025AAS
32	WPSG	PHILADELPHIA PA	131.8	CP	BPCDT	-20111024ACS
32	WQPX-TV	SCRANTON PA	164.5	LIC	BLCDT	-20060629AFR
32	STA-DT	NEW YORK NY	4.6	APP	USERRECORD-01	

Total scenarios = 12

Result key: 27

Scenario 5 Affected station 7  
Before Analysis

Results for: 31A NY NEW YORK BLCDT 20110729AAQ LIC

HAAT	360.0 m, ATV ERP	180.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour			18942632	22172.6
not affected by terrain losses			18688290	20784.3
lost to NTSC IX			0	0.0
lost to additional IX by ATV			1191242	3717.0
lost to ATV IX only			1191242	3717.0
lost to all IX			1191242	3717.0

## Potential Interfering Stations Included in above Scenario 5

**Table 4 STA OET Bulletin 69 Interference Study**

Antenna at Repositioned Orientation 59° True  
(worst-case scenarios shown page 9 of 22)



31A CT HARTFORD	BLCDDT	20101222AAE	LIC
31A DE WILMINGTON	BLCDDT	20031203AFL	LIC
31A MA BOSTON	BLCDDT	20090422ABH	LIC
31A PA SCRANTON	BPRM	20080619ALI	APP
31A PA SCRANTON	BLCDDT	20140326AAZ	LIC
32A PA PHILADELPHIA	BLCDDT	20021025AAS	LIC

After Analysis

Results for: 31A NY NEW YORK BLCDDT 20110729AAQ LIC  
HAAT 360.0 m, ATV ERP 180.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	18942632	22172.6
not affected by terrain losses	18688290	20784.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1323871	3890.5
lost to ATV IX only	1323871	3890.5
lost to all IX	1323871	3890.5

Potential Interfering Stations Included in above Scenario 5

31A CT HARTFORD	BLCDDT	20101222AAE	LIC
31A DE WILMINGTON	BLCDDT	20031203AFL	LIC
31A MA BOSTON	BLCDDT	20090422ABH	LIC
31A PA SCRANTON	BPRM	20080619ALI	APP
31A PA SCRANTON	BLCDDT	20140326AAZ	LIC
32A PA PHILADELPHIA	BLCDDT	20021025AAS	LIC
32A NY NEW YORK	USERRECORD01		APP

The following station failed the de minimis interference criteria.  
32D NY NEW YORK USERRECORD01  
ERP 230.00 kW HAAT 519.0 m RCAMSL 530.0 m  
Antenna usr RFS\_PHP\_32pan1

Due to interference to the following station and scenario: 5  
31D NY NEW YORK BLCDDT 20110729AAQ  
ERP 180.00 kW HAAT 360.0 m RCAMSL 373.0 m  
Antenna CDB 00000000105110

Percent new interference from proposal: 0.7580 to BLCDDT 20110729AAQ

Worst case new IX 0.7580% Scenario 5

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Analysis of Interference to Affected Station 8

Analysis of current record  
Channel Call City/State Application Ref. No.  
31 WSWB-DR SCRANTON PA BPRM -20080619ALI

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
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**Table 4 STA OET Bulletin 69 Interference Study**

Antenna at Repositioned Orientation 59° True  
(worst-case scenarios shown page 10 of 22)



30 WFUT-DT	NEWARK NJ	164.8	LIC	BLCDDT	-20090618ABZ
30 WSKA	CORNING NY	136.5	LIC	BLEDT	-20060705ABL
30 WUTR	UTICA NY	195.4	LIC	BLCDDT	-20040217ADC
30 WGCB-TV	RED LION PA	184.8	LIC	BLCDDT	-20050615AAB
31 WTIC-TV	HARTFORD CT	242.7	LIC	BLCDDT	-20101222AAE
31 WPPX-TV	WILMINGTON DE	160.4	LIC	BLCDDT	-20031203AFL
31 WPPX-TV	WILMINGTON DE	160.4	CP	BPCDDT	-20080620AMP
31 WFXT	BOSTON MA	385.5	LIC	BLCDDT	-20090422ABH
31 WPXN-TV	NEW YORK NY	164.7	APP	BMPCDDT	-20080620ALZ
31 WPXN-TV	NEW YORK NY	164.8	LIC	BLCDDT	-20110729AAQ
31 WSWB	SCRANTON PA	0.0	LIC	BLCDDT	-20140326AAZ
32 WPSG	PHILADELPHIA PA	160.4	LIC	BLCDDT	-20021025AAS
32 WPSG	PHILADELPHIA PA	160.4	CP	BPCDDT	-20111024ACS
32 WQPX-TV	SCRANTON PA	0.3	LIC	BLCDDT	-20060629AFR
32 STA-DT	NEW YORK NY	164.7	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 9

Analysis of current record  
Channel Call City/State Application Ref. No.  
31 WSWB SCRANTON PA BLCDDT -20140326AAZ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30 WFUT-DT	NEWARK NJ	164.8	LIC	BLCDDT	-20090618ABZ
30 WSKA	CORNING NY	136.5	LIC	BLEDT	-20060705ABL
30 WUTR	UTICA NY	195.4	LIC	BLCDDT	-20040217ADC
30 WGCB-TV	RED LION PA	184.8	LIC	BLCDDT	-20050615AAB
31 WTIC-TV	HARTFORD CT	242.7	LIC	BLCDDT	-20101222AAE
31 WPPX-TV	WILMINGTON DE	160.4	LIC	BLCDDT	-20031203AFL
31 WPPX-TV	WILMINGTON DE	160.4	CP	BPCDDT	-20080620AMP
31 WFXT	BOSTON MA	385.5	LIC	BLCDDT	-20090422ABH
31 WPXN-TV	NEW YORK NY	164.7	APP	BMPCDDT	-20080620ALZ
31 WPXN-TV	NEW YORK NY	164.8	LIC	BLCDDT	-20110729AAQ
31 WSWB-DR	SCRANTON PA	0.0	APP	BPRM	-20080619ALI
32 WPSG	PHILADELPHIA PA	160.4	LIC	BLCDDT	-20021025AAS
32 WPSG	PHILADELPHIA PA	160.4	CP	BPCDDT	-20111024ACS
32 WQPX-TV	SCRANTON PA	0.2	LIC	BLCDDT	-20060629AFR
32 STA-DT	NEW YORK NY	164.7	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 10

Analysis of current record  
Channel Call City/State Application Ref. No.  
32 WBPX-TV BOSTON MA BLCDDT -20040723ACG

**Table 4 STA OET Bulletin 69 Interference Study**Antenna at Repositioned Orientation 59° True  
(worst-case scenarios shown page 11 of 22)

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
31	WTIC-TV	HARTFORD CT	148.8	LIC	BLCDT	-20101222AAE
31	WFXT	BOSTON MA	0.7	LIC	BLCDT	-20090422ABH
32	WPSG	PHILADELPHIA PA	419.6	LIC	BLCDT	-20021025AAS
32	WPSG	PHILADELPHIA PA	419.6	CP	BPCDT	-20111024ACS
32	WQPX-TV	SCRANTON PA	385.0	LIC	BLCDT	-20060629AFR
32	WETK	BURLINGTON VT	277.9	LIC	BLEDT	-20061011ADW
33	WFSB	HARTFORD CT	143.3	CP	BPCDT	-20110630AAH
33	WFSB	HARTFORD CT	143.3	LIC	BLCDT	-20041029AIL
33	WPXG-TV	CONCORD NH	97.8	LIC	BLCDT	-20031014AEP
32	STA-DT	NEW YORK NY	292.1	APP	USERRECORD-01	

Total scenarios = 1

Result key: 35  
Scenario 1 Affected station 10  
Before Analysis

Results for: 32A MA BOSTON BLCDT 20040723ACG LIC  
HAAT 292.0 m, ATV ERP 300.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6522194	19998.6
not affected by terrain losses	6494497	19692.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	133306	597.1
lost to ATV IX only	133306	597.1
lost to all IX	133306	597.1

Potential Interfering Stations Included in above Scenario 1

31A MA BOSTON	BLCDT	20090422ABH	LIC
32A VT BURLINGTON	BLEDT	20061011ADW	LIC
33A NH CONCORD	BLCDT	20031014AEP	LIC

After Analysis

Results for: 32A MA BOSTON BLCDT 20040723ACG LIC  
HAAT 292.0 m, ATV ERP 300.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6522194	19998.6
not affected by terrain losses	6494497	19692.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	135055	617.3
lost to ATV IX only	135055	617.3
lost to all IX	135055	617.3

Potential Interfering Stations Included in above Scenario 1

31A MA BOSTON	BLCDT	20090422ABH	LIC
32A VT BURLINGTON	BLEDT	20061011ADW	LIC
33A NH CONCORD	BLCDT	20031014AEP	LIC
32A NY NEW YORK	USERRECORD01		APP

Percent new IX = 0.0275%

**Table 4 STA OET Bulletin 69 Interference Study**Antenna at Repositioned Orientation 59° True  
(worst-case scenarios shown page 12 of 22)

Worst case new IX 0.0275% Scenario 1

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## Analysis of Interference to Affected Station 11

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
32	WTAJ-TV	ALTOONA PA	BLCDT	-20051018ACE

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
32	WNLO	BUFFALO NY	276.6	LIC	BLCDT	-20070320AAV
32	WPSG	PHILADELPHIA PA	277.9	LIC	BLCDT	-20021025AAS
32	WPSG	PHILADELPHIA PA	277.9	CP	BPCDT	-20111024ACS
32	WQPX-TV	SCRANTON PA	247.3	LIC	BLCDT	-20060629AFR
32	WVIR-TV	CHARLOTTESVILLE VA	287.1	LIC	BLCDT	-20040908AAE
33	WHUT-TV	WASHINGTON DC	214.1	CP	BPEDT	-20120627AAD
33	WHUT-TV	WASHINGTON DC	214.1	LIC	BLEDT	-20071018AIJ
33	WNPB-TV	MORGANTOWN WV	148.2	LIC	BLEDT	-20121205ACJ
32	STA-DT	NEW YORK NY	373.8	APP	USERRECORD-01	

Proposal causes no interference

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## Analysis of Interference to Affected Station 12

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
32	WPSG	PHILADELPHIA PA	BLCDT	-20021025AAS

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
31	WPPX-TV	WILMINGTON DE	0.0	LIC	BLCDT	-20031203AFL
31	WPPX-TV	WILMINGTON DE	0.0	CP	BPCDT	-20080620AMP
31	WPXN-TV	NEW YORK NY	127.6	APP	BMPCDT	-20080620ALZ
31	WPXN-TV	NEW YORK NY	131.8	LIC	BLCDT	-20110729AAQ
31	WSWB-DR	SCRANTON PA	160.4	APP	BPRM	-20080619ALI
31	WSWB	SCRANTON PA	160.4	LIC	BLCDT	-20140326AAZ
32	WBPX-TV	BOSTON MA	419.6	LIC	BLCDT	-20040723ACG
32	WTAJ-TV	ALTOONA PA	277.9	LIC	BLCDT	-20051018ACE
32	WQPX-TV	SCRANTON PA	160.3	LIC	BLCDT	-20060629AFR
32	WVIR-TV	CHARLOTTESVILLE VA	361.7	LIC	BLCDT	-20040908AAE
33	WHUT-TV	WASHINGTON DC	199.3	CP	BPEDT	-20120627AAD
33	WHUT-TV	WASHINGTON DC	199.3	LIC	BLEDT	-20071018AIJ
33	WCBS-TV	NEW YORK NY	131.8	LIC	BLCDT	-20090612AFN
33	WCBS-TV	NEW YORK NY	127.6	APP	BMPCDT	-20080619AAZ
32	STA-DT	NEW YORK NY	127.6	APP	USERRECORD-01	

Total scenarios = 4

**Table 4 STA OET Bulletin 69 Interference Study**

Antenna at Repositioned Orientation 59° True  
(worst-case scenarios shown page 13 of 22)



Result key: 36

Scenario 1 Affected station 12

Before Analysis

Results for: 32A PA PHILADELPHIA BLCDT 20021025AAS LIC

HAAT 400.0 m, ATV ERP 250.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	8509480	24022.7
not affected by terrain losses	8152989	23215.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	253859	569.3
lost to ATV IX only	253859	569.3
lost to all IX	253859	569.3

Potential Interfering Stations Included in above Scenario 1

31A NY NEW YORK	BLCDT	20110729AAQ	LIC
32A PA ALTOONA	BLCDT	20051018ACE	LIC
32A PA SCRANTON	BLCDT	20060629AFR	LIC
32A VA CHARLOTTESVILLE	BLCDT	20040908AAE	LIC
33A NY NEW YORK	BLCDT	20090612AFN	LIC

After Analysis

Results for: 32A PA PHILADELPHIA BLCDT 20021025AAS LIC

HAAT 400.0 m, ATV ERP 250.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	8509480	24022.7
not affected by terrain losses	8152989	23215.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	624062	1348.5
lost to ATV IX only	624062	1348.5
lost to all IX	624062	1348.5

Potential Interfering Stations Included in above Scenario 1

31A NY NEW YORK	BLCDT	20110729AAQ	LIC
32A PA ALTOONA	BLCDT	20051018ACE	LIC
32A PA SCRANTON	BLCDT	20060629AFR	LIC
32A VA CHARLOTTESVILLE	BLCDT	20040908AAE	LIC
33A NY NEW YORK	BLCDT	20090612AFN	LIC
32A NY NEW YORK	USERRECORD01	APP	

The following station failed the de minimis interference criteria.

32D NY NEW YORK USERRECORD01  
ERP 230.00 kW HAAT 519.0 m RCAMSL 530.0 m  
Antenna usr RFS\_PHP\_32panl

Due to interference to the following station and scenario: 1  
32D PA PHILADELPHIA BLCDT 20021025AAS  
ERP 250.0 kW HAAT 400.0 m RCAMSL 465.0 m  
Antenna CDB 0000000044229

Percent new interference from proposal: 4.6866 to BLCDT 20021025AAS

**Table 4 STA OET Bulletin 69 Interference Study**

Antenna at Repositioned Orientation 59° True  
(worst-case scenarios shown page 14 of 22)



Worst case new IX 4.6866% Scenario 1

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Analysis of Interference to Affected Station 13

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
32	WPSG	PHILADELPHIA PA	BPCDT	-20111024ACS

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist (km)	Status	Application	Ref. No.
31	WPPX-TV	WILMINGTON DE	0.0	LIC	BLCDT	-20031203AFL
31	WPPX-TV	WILMINGTON DE	0.0	CP	BPCDT	-20080620AMP
31	WPXN-TV	NEW YORK NY	127.6	APP	BMPCDT	-20080620ALZ
31	WPXN-TV	NEW YORK NY	131.8	LIC	BLCDT	-20110729AAQ
31	WSWB-DR	SCRANTON PA	160.4	APP	BPRM	-20080619ALI
31	WSWB	SCRANTON PA	160.4	LIC	BLCDT	-20140326AAZ
32	WBPX-TV	BOSTON MA	419.6	LIC	BLCDT	-20040723ACG
32	WTAJ-TV	ALTOONA PA	277.9	LIC	BLCDT	-20051018ACE
32	WQPX-TV	SCRANTON PA	160.3	LIC	BLCDT	-20060629AFR
32	WVIR-TV	CHARLOTTESVILLE VA	361.7	LIC	BLCDT	-20040908AAE
33	WHUT-TV	WASHINGTON DC	199.3	CP	BPEDT	-20120627AAD
33	WHUT-TV	WASHINGTON DC	199.3	LIC	BLEDT	-20071018AIJ
33	WCBS-TV	NEW YORK NY	131.8	LIC	BLCDT	-20090612AFN
33	WCBS-TV	NEW YORK NY	127.6	APP	BMPCDT	-20080619AAZ
32	STA-DT	NEW YORK NY	127.6	APP	USERRECORD-01	

Total scenarios = 4

Result key: 40

Scenario 1 Affected station 13

Before Analysis

Results for: 32A PA PHILADELPHIA BPCDT 20111024ACS CP

HAAT 400.0 m, ATV ERP 800.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9669508	29443.7
not affected by terrain losses	9370058	28661.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	340585	889.9
lost to ATV IX only	340585	889.9
lost to all IX	340585	889.9

Potential Interfering Stations Included in above Scenario 1

31A NY NEW YORK	BLCDT	20110729AAQ	LIC
32A PA ALTOONA	BLCDT	20051018ACE	LIC
32A PA SCRANTON	BLCDT	20060629AFR	LIC
32A VA CHARLOTTESVILLE	BLCDT	20040908AAE	LIC
33A NY NEW YORK	BLCDT	20090612AFN	LIC

After Analysis

**Table 4 STA OET Bulletin 69 Interference Study**

Antenna at Repositioned Orientation 59° True  
(worst-case scenarios shown page 15 of 22)



Results for: 32A PA PHILADELPHIA BPCDT 20111024ACS CP

HAAT 400.0 m, ATV ERP 800.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9669508	29443.7
not affected by terrain losses	9370058	28661.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1005381	2067.2
lost to ATV IX only	1005381	2067.2
lost to all IX	1005381	2067.2

Potential Interfering Stations Included in above Scenario 1

31A NY NEW YORK	BLCDT	20110729AAQ	LIC
32A PA ALTOONA	BLCDT	20051018ACE	LIC
32A PA SCRANTON	BLCDT	20060629AFR	LIC
32A VA CHARLOTTESVILLE	BLCDT	20040908AAE	LIC
33A NY NEW YORK	BLCDT	20090612AFN	LIC
32A NY NEW YORK	USERRECORD01		APP

The following station failed the de minimis interference criteria.

32D NY NEW YORK USERRECORD01  
ERP 230.00 kW HAAT 519.0 m RCAMSL 530.0 m  
Antenna usr RFS\_PHP\_32panl

Due to interference to the following station and scenario: 1

32D PA PHILADELPHIA BPCDT 20111024ACS  
ERP 800.00 kW HAAT 400.0 m RCAMSL 465.0 m  
Antenna CDB 00000000107152

Percent new interference from proposal: 7.3625 to BPCDT 20111024ACS

Worst case new IX 7.3625% Scenario 1

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Analysis of Interference to Affected Station 14

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
32	WQPX-TV	SCRANTON PA	BLCDT	-20060629AFR

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
31	WPPX-TV	WILMINGTON DE	160.3	LIC	BLCDT	-20031203AFL
31	WPPX-TV	WILMINGTON DE	160.3	CP	BPCDT	-20080620AMP
31	WPXN-TV	NEW YORK NY	164.4	APP	BMPCDT	-20080620ALZ
31	WPXN-TV	NEW YORK NY	164.5	LIC	BLCDT	-20110729AAQ
31	WSWB-DR	SCRANTON PA	0.3	APP	BPRM	-20080619ALI
31	WSWB	SCRANTON PA	0.2	LIC	BLCDT	-20140326AAZ
32	WPBX-TV	BOSTON MA	385.0	LIC	BLCDT	-20040723ACG
32	WNLO	BUFFALO NY	317.1	LIC	BLCDT	-20070320AAV
32	WTAJ-TV	ALTOONA PA	247.3	LIC	BLCDT	-20051018ACE
32	WPSG	PHILADELPHIA PA	160.3	LIC	BLCDT	-20021025AAS

**Table 4 STA OET Bulletin 69 Interference Study**

Antenna at Repositioned Orientation 59° True  
(worst-case scenarios shown page 16 of 22)



32	WPSG	PHILADELPHIA PA	160.3	CP	BPCDT	-20111024ACS
32	WETK	BURLINGTON VT	417.2	LIC	BLEDT	-20061011ADW
33	WCBS-TV	NEW YORK NY	164.5	LIC	BLCDT	-20090612AFN
33	WCBS-TV	NEW YORK NY	164.4	APP	BMPCDT	-20080619AAZ
32	STA-DT	NEW YORK NY	164.4	APP	USERRECORD-01	

Total scenarios = 12

Result key: 44

Scenario 1 Affected station 14  
Before Analysis

Results for: 32A PA SCRANTON BLCDT 20060629AFR LIC

HAAT 354.0 m, ATV ERP 528.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1448826	25306.8
not affected by terrain losses	1108316	21355.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	57504	1085.7
lost to ATV IX only	57504	1085.7
lost to all IX	57504	1085.7

Potential Interfering Stations Included in above Scenario 1

31A DE WILMINGTON	BLCDT	20031203AFL	LIC
31A PA SCRANTON	BLCDT	20140326AAZ	LIC
32A NY BUFFALO	BLCDT	20070320AAV	LIC
32A PA ALTOONA	BLCDT	20051018ACE	LIC
32A PA PHILADELPHIA	BLCDT	20021025AAS	LIC

After Analysis

Results for: 32A PA SCRANTON BLCDT 20060629AFR LIC

HAAT 354.0 m, ATV ERP 528.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1448826	25306.8
not affected by terrain losses	1108316	21355.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	57504	1093.7
lost to ATV IX only	57504	1093.7
lost to all IX	57504	1093.7

Potential Interfering Stations Included in above Scenario 1

31A DE WILMINGTON	BLCDT	20031203AFL	LIC
31A PA SCRANTON	BLCDT	20140326AAZ	LIC
32A NY BUFFALO	BLCDT	20070320AAV	LIC
32A PA ALTOONA	BLCDT	20051018ACE	LIC
32A PA PHILADELPHIA	BLCDT	20021025AAS	LIC
32A NY NEW YORK	USERRECORD01		APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

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**Table 4 STA OET Bulletin 69 Interference Study**Antenna at Repositioned Orientation 59° True  
(worst-case scenarios shown page 17 of 22)

## Analysis of Interference to Affected Station 15

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
33	WFSB	HARTFORD CT	BPCDT	-20110630AAH

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
32	WBPX-TV	BOSTON MA	143.3	LIC	BLCDT	-20040723ACG
33	WPXG-TV	CONCORD NH	198.4	LIC	BLCDT	-20031014AEP
33	WCBS-TV	NEW YORK NY	150.8	LIC	BLCDT	-20090612AFN
33	WCBS-TV	NEW YORK NY	155.3	APP	BMPCDT	-20080619AAZ
34	WNEU	MERRIMACK NH	167.4	LIC	BLCDT	-20021028AAH
34	WMHT	SCHENECTADY NY	137.0	LIC	BLEDT	-20040108ALV
32	STA-DT	NEW YORK NY	155.3	APP	USERRECORD-01	

Total scenarios = 2

Result key: 56

Scenario 1 Affected station 15  
Before AnalysisResults for: 33A CT HARTFORD BPCDT 20110630AAH CP  
HAAT 289.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4745845	28750.5
not affected by terrain losses	4345545	25900.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	714580	3778.2
lost to ATV IX only	714580	3778.2
lost to all IX	714580	3778.2

Potential Interfering Stations Included in above Scenario 1

32A MA BOSTON	BLCDT	20040723ACG	LIC
33A NH CONCORD	BLCDT	20031014AEP	LIC
33A NY NEW YORK	BLCDT	20090612AFN	LIC
34A NY SCHENECTADY	BLEDT	20040108ALV	LIC

## After Analysis

Results for: 33A CT HARTFORD BPCDT 20110630AAH CP  
HAAT 289.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4745845	28750.5
not affected by terrain losses	4345545	25900.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	719282	3794.3
lost to ATV IX only	719282	3794.3
lost to all IX	719282	3794.3

Potential Interfering Stations Included in above Scenario 1

**Table 4 STA OET Bulletin 69 Interference Study**Antenna at Repositioned Orientation 59° True  
(worst-case scenarios shown page 18 of 22)

32A MA BOSTON	BLCDT	20040723ACG	LIC
33A NH CONCORD	BLCDT	20031014AEP	LIC
33A NY NEW YORK	BLCDT	20090612AFN	LIC
34A NY SCHENECTADY	BLEDT	20040108ALV	LIC
32A NY NEW YORK	USERRECORD01		APP

Percent new IX = 0.1295%

Worst case new IX 0.1295% Scenario 1

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## Analysis of Interference to Affected Station 16

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
33	WFSB	HARTFORD CT	BLCDT	-20041029AIL

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
32	WBPX-TV	BOSTON MA	143.3	LIC	BLCDT	-20040723ACG
33	WPXG-TV	CONCORD NH	198.4	LIC	BLCDT	-20031014AEP
33	WCBS-TV	NEW YORK NY	150.8	LIC	BLCDT	-20090612AFN
33	WCBS-TV	NEW YORK NY	155.3	APP	BMPCDT	-20080619AAZ
34	WNEU	MERRIMACK NH	167.4	LIC	BLCDT	-20021028AAH
34	WMHT	SCHENECTADY NY	137.0	LIC	BLEDT	-20040108ALV
32	STA-DT	NEW YORK NY	155.3	APP	USERRECORD-01	

Total scenarios = 2

Result key: 58

Scenario 1 Affected station 16  
Before AnalysisResults for: 33A CT HARTFORD BLCDT 20041029AIL LIC  
HAAT 289.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4594265	27295.2
not affected by terrain losses	4213689	24657.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	729894	3771.2
lost to ATV IX only	729894	3771.2
lost to all IX	729894	3771.2

Potential Interfering Stations Included in above Scenario 1

32A MA BOSTON	BLCDT	20040723ACG	LIC
33A NH CONCORD	BLCDT	20031014AEP	LIC
33A NY NEW YORK	BLCDT	20090612AFN	LIC
34A NY SCHENECTADY	BLEDT	20040108ALV	LIC

## After Analysis

**Table 4 STA OET Bulletin 69 Interference Study**

Antenna at Repositioned Orientation 59° True  
(worst-case scenarios shown page 19 of 22)



Results for: 33A CT HARTFORD BLCDT 20041029AIL LIC  
HAAT 289.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4594265	27295.2
not affected by terrain losses	4213689	24657.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	734584	3783.3
lost to ATV IX only	734584	3783.3
lost to all IX	734584	3783.3

Potential Interfering Stations Included in above Scenario 1

32A MA BOSTON	BLCDT	20040723ACG	LIC
33A NH CONCORD	BLCDT	20031014AEP	LIC
33A NY NEW YORK	BLCDT	20090612AFN	LIC
34A NY SCHENECTADY	BLEDT	20040108ALV	LIC
32A NY NEW YORK	USERRECORD01	APP	

Percent new IX = 0.1346%

Worst case new IX 0.1346% Scenario 1

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Analysis of Interference to Affected Station 17

Analysis of current record

Channel	Call	City/State	Application Ref. No.
33	WCBS-TV	NEW YORK NY	BLCDT -20090612AFN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
32	WPSG	PHILADELPHIA PA	131.8	LIC	BLCDT -20021025AAS
32	WPSG	PHILADELPHIA PA	131.8	CP	BPCDT -20111024ACS
32	WQPX-TV	SCRANTON PA	164.5	LIC	BLCDT -20060629AFR
33	WFSB	HARTFORD CT	150.8	CP	BPCDT -20110630AAH
33	WFSB	HARTFORD CT	150.8	LIC	BLCDT -20041029AIL
33	WHUT-TV	WASHINGTON DC	331.1	CP	BPEDT -20120627AAD
33	WHUT-TV	WASHINGTON DC	331.1	LIC	BLEDT -20071018AIJ
33	WPXG-TV	CONCORD NH	349.1	LIC	BLCDT -20031014AEP
34	WIVT	BINGHAMTON NY	218.9	LIC	BLCDT -20090819AGR
34	WMHT	SCHENECTADY NY	208.6	LIC	BLEDT -20040108ALV
34	WCAU	PHILADELPHIA PA	131.8	LIC	BLCDT -20090914AAX
32	STA-DT	NEW YORK NY	4.6	APP	USERRECORD-01

Total scenarios = 8

Result key: 61  
Scenario 2 Affected station 17  
Before Analysis

Results for: 33A NY NEW YORK BLCDT 20090612AFN LIC  
HAAT 397.0 m, ATV ERP 284.0 kW

**Table 4 STA OET Bulletin 69 Interference Study**

Antenna at Repositioned Orientation 59° True  
(worst-case scenarios shown page 20 of 22)



	POPULATION	AREA (sq km)
within Noise Limited Contour	19826780	28687.1
not affected by terrain losses	19513578	26843.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	753460	3160.4
lost to ATV IX only	753460	3160.4
lost to all IX	753460	3160.4

Potential Interfering Stations Included in above Scenario 2

32A PA PHILADELPHIA	BLCDT	20021025AAS	LIC
33A CT HARTFORD	BPCDT	20110630AAH	CP
33A DC WASHINGTON	BLEDT	20071018AIJ	LIC
33A NH CONCORD	BLCDT	20031014AEP	LIC
34A PA PHILADELPHIA	BLCDT	20090914AAX	LIC

After Analysis

Results for: 33A NY NEW YORK BLCDT 20090612AFN LIC  
HAAT 397.0 m, ATV ERP 284.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19826780	28687.1
not affected by terrain losses	19513578	26843.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	769865	3172.4
lost to ATV IX only	769865	3172.4
lost to all IX	769865	3172.4

Potential Interfering Stations Included in above Scenario 2

32A PA PHILADELPHIA	BLCDT	20021025AAS	LIC
33A CT HARTFORD	BPCDT	20110630AAH	CP
33A DC WASHINGTON	BLEDT	20071018AIJ	LIC
33A NH CONCORD	BLCDT	20031014AEP	LIC
34A PA PHILADELPHIA	BLCDT	20090914AAX	LIC
32A NY NEW YORK	USERRECORD01	APP	

Percent new IX = 0.0875%

Worst case new IX 0.0875% Scenario 2

#####

Analysis of Interference to Affected Station 18

Analysis of current record

Channel	Call	City/State	Application Ref. No.
33	WCBS-TV	NEW YORK NY	BMPCDT -20080619AAZ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
32	WPSG	PHILADELPHIA PA	127.6	LIC	BLCDT -20021025AAS
32	WPSG	PHILADELPHIA PA	127.6	CP	BPCDT -20111024ACS
32	WQPX-TV	SCRANTON PA	164.4	LIC	BLCDT -20060629AFR

**Table 4 STA OET Bulletin 69 Interference Study**

Antenna at Repositioned Orientation 59° True  
(worst-case scenarios shown page 21 of 22)



33	WFSB	HARTFORD CT	155.3	CP	BPCDT	-20110630AAH
33	WFSB	HARTFORD CT	155.3	LIC	BLCDT	-20041029AIL
33	WHUT-TV	WASHINGTON DC	326.9	CP	BPEDT	-20120627AAD
33	WHUT-TV	WASHINGTON DC	326.9	LIC	BLEDT	-20071018AIJ
33	WPXG-TV	CONCORD NH	353.6	LIC	BLCDT	-20031014AEP
34	WIVT	BINGHAMTON NY	219.9	LIC	BLCDT	-20090819AGR
34	WMHT	SCHENECTADY NY	212.6	LIC	BLEDT	-20040108ALV
34	WCAU	PHILADELPHIA PA	127.6	LIC	BLCDT	-20090914AAX
32	STA-DT	NEW YORK NY	0.0	APP	USERRECORD-01	

Proposal causes no interference

#####

Analysis of Interference to Affected Station 19

**Analysis of current record**

Channel	Call	City/State	Application Ref. No.
32	STA-DT	NEW YORK NY	USERRECORD-01

**Stations Potentially Affecting This Station**

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
31	WTIC-TV	HARTFORD CT	147.9	LIC	BLCDT -20101222AAE
31	WPPX-TV	WILMINGTON DE	127.6	LIC	BLCDT -20031203AFL
31	WPPX-TV	WILMINGTON DE	127.6	CP	BPCDT -20080620AMP
31	WPXN-TV	NEW YORK NY	0.0	APP	BMPCDT -20080620ALZ
31	WPXN-TV	NEW YORK NY	4.6	LIC	BLCDT -20110729AAQ
31	WSWB-DR	SCRANTON PA	164.7	APP	BPRM -20080619ALI
31	WSWB	SCRANTON PA	164.7	LIC	BLCDT -20140326AAZ
32	WBPX-TV	BOSTON MA	292.1	LIC	BLCDT -20040723ACG
32	WTAJ-TV	ALTOONA PA	373.8	LIC	BLCDT -20051018ACE
32	WPSG	PHILADELPHIA PA	127.6	LIC	BLCDT -20021025AAS
32	WPSG	PHILADELPHIA PA	127.6	CP	BPCDT -20111024ACS
32	WQPX-TV	SCRANTON PA	164.4	LIC	BLCDT -20060629AFR
33	WFSB	HARTFORD CT	155.3	CP	BPCDT -20110630AAH
33	WFSB	HARTFORD CT	155.3	LIC	BLCDT -20041029AIL
33	WCBS-TV	NEW YORK NY	4.6	LIC	BLCDT -20090612AFN
33	WCBS-TV	NEW YORK NY	0.0	APP	BMPCDT -20080619AAZ

Total scenarios = 16

Result key: 68

Scenario 1 Affected station 19  
Before Analysis

Results for: 32A NY NEW YORK USERRECORD01 APP

HAAT 519.0 m, ATV ERP 230.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	17674204	16254.8
not affected by terrain losses	17553159	15859.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4693961	4200.8
lost to ATV IX only	4693961	4200.8
lost to all IX	4693961	4200.8

**Table 4 STA OET Bulletin 69 Interference Study**

Antenna at Repositioned Orientation 59° True  
(worst-case scenarios shown page 22 of 22)



Potential Interfering Stations Included in above Scenario 1

31A DE WILMINGTON	BLCDT	20031203AFL	LIC
31A NY NEW YORK	BLCDT	20110729AAQ	LIC
32A PA PHILADELPHIA	BLCDT	20021025AAS	LIC
32A PA SCRANTON	BLCDT	20060629AFR	LIC
33A NY NEW YORK	BLCDT	20090612AFN	LIC

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