



**STATEMENT OF JOHN E. HIDLE, P.E.  
IN SUPPORT OF AN APPLICATION TO AMEND  
A PENDING APPLICATION FOR MODIFICATION OF  
CONSTRUCTION PERMIT  
BMPCDT-20080620AMV  
WABC-TV - NEW YORK, NEW YORK  
CH. 7 - 34.0 kW - 506 meters HAAT**

Prepared for: AMERICAN BROADCASTING COMPANIES, INC.

I am a Consulting Engineer, an employee in the firm of Carl T. Jones Corporation, with offices located in Springfield, Virginia. My education and experience are a matter of record with the Federal Communications Commission. I am a Licensed Professional Engineer in the Commonwealth of Virginia, License No. 7418, and in the State of New York, License No. 63418.

**GENERAL**

This office has been authorized by AMERICAN BROADCASTING COMPANIES, INC. ("ABC"), licensee of station WABC-TV, channel 7, New York, New York, to prepare this statement, FCC Form 2100, and the associated exhibits, in support of an application to amend its pending application for modification of construction permit, BMPCDT-20080620AMV. The pending application to be amended is for a new facility at the recently re-constructed World Trade Center, that is intended to replace WABC-TV's former licensed facility which was destroyed in the September 11, 2001 terrorist attack. It is sought herein to amend the Effective Radiated Power (ERP), as proposed in the pending application, from 5.59 kW to 34.0 kW, the same as is currently authorized at WABC-TV's Empire State Building facility. Other minor changes are herein proposed in order to conform to the specifications of the World Trade Center site as-built.

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Note that ABC currently is evaluating its options with respect to the best location to serve its viewers, and thus has not yet determined conclusively whether it will elect to operate facilities at the World Trade Center, or if it will choose to remain at the Empire State Building. ABC is filing the instant application to amend its pending application for modification of construction permit, BMPCDT-20080620AMV, to enable it to construct 34 kW facilities if it determines that operations at the World Trade Center site best serve its viewers.

**PURPOSE OF APPLICATION**

WABC-TV seeks to increase the ERP proposed in the pending application for CP in order to match WABC-TV's existing authorized ERP of 34 kW at the Empire State Building, which was ultimately approved to assist in WABC-TV's efforts to overcome serious reception problems that many of its viewers suffered beginning on June 12, 2009, the DTV transition date. A very substantial body of serious reception problems suffered by digital television stations broadcasting on the VHF channels is well documented, both before and, especially after June 12, 2009. The overarching efforts to ameliorate these problems with any meaningful success has been to simply increase the ERP of the VHF stations. Even with its operations from the Empire State Building at an ERP of 34 kW there remain some apparently intractable reception problems within WABC-TV's service area. It would be counterproductive to relocate WABC-TV's facilities to the World Trade Center site if WABC-TV is required to operate at an ERP lower than the 34 kW ERP approved for WABC-TV's facilities at the Empire State Building.

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In order to obtain the existing ERP increase to 34 kW at the Empire State Building WABC-TV diligently pursued negotiations with WBNG-TV, Binghamton, NY, WWNY-TV, Carthage NY, and WXXA-TV, Albany, NY, all of which operate on channel 7 in New York State, and secured a joint interference acceptance agreement to enable each of WABC-TV, WBNG-TV, WWNY-TV and WXXA-TV to effectuate power increases in order to improve each station's respective coverage areas. Pursuant to this agreement, WBNG-TV and WXXA-TV agreed to accept any interference resulting from WABC-TV's proposed power increase to 34 kW at the Empire State Building (WWNY-TV was not predicated to experience interference from WABC-TV's 34 kW ERP operations). The signed agreement, which remains in full effect, is included herein.

The instant proposal seeking an ERP of 34 kW for WABC-TV at the World Trade Center is not predicted to cause new interference beyond the amounts agreed to in the aforementioned interference acceptance agreement, except with respect to WBNG-TV which, as described below, is predicted to experience a slight increase in interference beyond the amount set forth in the interference acceptance agreement. Accordingly, for the reasons detailed in the attached legal statement, ABC respectfully requests a waiver of the FCC's rules governing interference.

Notably, the instant proposal seeking an ERP of 34 kW for WABC-TV at the World Trade Center is not predicted to cause interference beyond the amounts agreed to in a previous interference acceptance agreement among WABC-TV WNJB, channel 8, New Brunswick, New Jersey and WGAL, channel 8, Lancaster, Pennsylvania. A copy of this interference acceptance agreement also is attached hereto.

**AUTHORIZED FACILITY**

WABC-TV's current authorization permits a facility with an ERP of 34 kW at a Height Above Average Terrain (HAAT) of 405 meters. WABC-TV's authorized antenna is a Dielectric Model THA-O4-2H/8UD2SP-2-HM channel 7 omni-directional horizontally polarized antenna. The antenna is mounted on the Empire State Building in New York City, FCC registration number 1007048, with its radiation center line located 403 meters above ground level. The authorized antenna employs an electrical beam-tilt of 3 degrees below the horizontal plane.

**ALLOCATION CONSIDERATIONS**

An allocation study was performed using the Commission's revised application processing and interference analysis software, the results of which are shown in Appendix B. Of the potentially affected stations listed, only the stations that are the subjects of the interference acceptance agreements are predicted to receive new interference in excess of the 0.5% new interference, permitted in Section 73.616(e) of the Commission's Rules.

The results of the study contained in Appendix B show that the level of predicted interference to WBNG-TV slightly exceeds the negotiated percentage of 0.8% set forth in the aforementioned interference acceptance agreement. The instant proposal is predicted to increase the percentage of WBNG-TV's baseline population predicted to receive interference from 0.7838% to 1.0159% (0.232%). In terms of actual persons this shows a predicted loss of only 2,448 persons, all of which reside well outside of the Binghamton DMA. Exhibit 1 shows the existing interference universe for WBNG-TV according to the interference acceptance agreement among the four channel 7 stations. The total predicted

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interference to WBNG-TV is predicted to affect a total of 48,230 persons, of which 8,332 are predicted to be affected by WABC-TV. Exhibit 2 shows the predicted interference to WBNG-TV resulting from the instant proposed relocation of WABC-TV to the World Trade Center site. The total to WBNG-TV increases to 50,678 persons, of which 10,780 are attributed to WABC-TV. The predicted increase is 2,448 persons, all of whom reside far outside the Binghamton DMA. Exhibit 3 shows the areas, in red, where the interference that is predicted to result from WABC-TV's proposed relocation is expected to occur.

Conversely, the proposed relocation to the World Trade Center for WABC-TV, compared to its authorized facility at the Empire State Building, would result in a predicted net gain of interference-free population served amounting to 921,420 additional persons. Many of those persons might be former analog viewers whose reception difficulties post June 12, 2009 may not have yet been resolved at all.

**Class A Television Allocation Considerations**

The allocation study revealed contour overlap to Class A station W07BV, channel 7, Wilkes-Barre, Pennsylvania, BLTVL-19930202IE. However, the study predicts no new interference from WABC-TV's instant proposal to W07BV, nor to any other authorized Class A LPTV station. The proposal therefore complies with Section 73.616(f).

**AM Radio Station Considerations**

The study shows that WABC-TV's "proposed station is OK toward AM broadcast stations".

**WAIVER REQUEST & JUSTIFICATION**

The ERP of 34 kW, as proposed herein, exceeds the maximum permitted ERP for stations that are located in Zone I, and operate on VHF channels 7 - 13, as set forth in Section 73.622(f)(7)(ii). Additionally, WABC-TV's current authorization, 34 kW @ 405 meters HAAT, is currently the station with the largest geographic coverage area in the market. The proposed matching ERP of 34 kW at the World Trade Center is necessary, not only in order to maintain the existing service to those former analog viewers whose reception difficulties have been improved, or otherwise satisfactorily resolved, as a result of the ERP increase to 34 kW at the Empire State Building site, but to recapture those former analog viewers whose reception difficulties, since the analog shut-down on June 12, 2009, have not been improved, or restored, by that authorized ERP increase to 34 kW at the Empire State Building site. WABC-TV therefore requests a extension of waiver of Section 73.622(f)(7)(ii), and also to the extent necessary, Section 73.622(f)(5) of the Commission's Rules.

**PREDICTED COVERAGE CONTOURS**

The predicted coverage contours were calculated in accordance with the method described in Section 73.684 of the Rules, utilizing the appropriate F(50,90) propagation curves (47 CFR Section 73.699, Figure 9), power, and antenna height above average terrain as determined for each profile radial. The average terrain on the eight cardinal radials from 3 kilometers to 16 kilometers from the site was determined using the National Geophysical Data Center Thirty Second Point Database (TPG-0050) as prescribed in the FCC Rules. The antenna site elevation and coordinates were determined from FCC

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antenna registration data. Exhibit 4 contains the predicted DTV Noise Limited (36 dBu) contour and the predicted principal community (43 dBu) contour. The predicted 43 dBu contour entirely encompasses the principal community, New York City, New York.

**BLANKETING AND INTERMODULATION INTERFERENCE**

Other broadcast and non-broadcast technical facilities will be co-located with, or are located within 10 km of the proposed WABC-TV transmitter/antenna site. The applicant recognizes its responsibility to remedy complaints of interference which might result from this proposal in accordance with applicable Rules.

**RADIO FREQUENCY IMPACT**

Effective October 15, 1997, the FCC adopted modified guidelines and procedures for evaluating environmental effects of radio frequency (RF) emissions. The guidelines are generally based on recommendations by the National Council on Radiation Protection and Measurements (NCRP) in NCRP Report No. 86 (1986) and by the American National Standards Institute and the Institute of Electrical and Electronic Engineers, LLC (IEEE) in ANSI/IEEE C95.1-1992 (IEEE C95.1-1991). The guidelines establish maximum permissible exposure (MPE) levels for both occupational or "controlled" environments, as well as for "uncontrolled" environments such that apply in cases that could affect the general public. The FCC Office of Engineering and Technology's technical bulletin No. 65 entitled, "Evaluating Compliance with FCC Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields" (DA 04-319, February 6, 2004), provides assistance in the determination of whether FCC-regulated transmitting facilities, operations or devices comply with guideline limits for human exposure to radio frequency electromagnetic fields

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as adopted by the Commission in 1996. Bulletin No. 65 provides the technical data required to evaluate compliance with the FCC's policies and guidelines.

The FCC's Maximum Permitted Exposure (MPE) level established for "uncontrolled" environments is 0.2 milliwatts per centimeter squared ( $\text{mW}/\text{cm}^2$ ) when applied to broadcast facilities operating between 30 MHz and 300 MHz, and for broadcast facilities operating between 300 MHz and 1500 MHz, primarily UHF TV stations, the MPE is derived from the formula,  $(\text{frequency (MHz)}/1500)$ . The MPE level that is established for occupational, or "controlled" environments is 1.0 milliwatts per centimeter squared ( $\text{mW}/\text{cm}^2$ ) for operations between 30 MHz and 300 MHz, and for broadcast stations operating between 300 MHz and 1500 MHz the MPE is derived from the formula,  $(\text{frequency (MHz)}/300)$ .

The proposed WABC-TV operation at the World Trade Center will comply with the FCC's rules and guidelines pertaining to human exposure to electromagnetic energy. The World Trade Center has established policies and procedures that date back to the time before the buildings were destroyed during the terrorist attacks on September 11, 2001. There are certain areas that are defined as controlled areas where access by all persons is restricted unless certain facilities cease operation, change antennas or reduce power. A procedure to notify tenants of a required shutdown also will be developed. As a potential lessee, WABC-TV is subject to the World Trade Center's RF Safety Program which will be modified periodically as facility modifications occur.

The predicted emissions of WABC-TV operating on channel 7 must be considered, in addition to predicted emissions from any other proposed or existing stations at the site. For WABC-TV, which will operate on television channel 7 (174-180 MHz), the MPE is



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0.200 milliwatts per centimeter squared ( $\text{mW}/\text{cm}^2$ ) in an “uncontrolled” environment and  $1.000 \text{ mW}/\text{cm}^2$  in a “controlled” environment. The proposed WABC-TV facility will operate with a maximum ERP of 34 kW using a circularly polarized omni-directional transmitting antenna with a centerline height of 513.9 meters above ground level (AGL). Considering the antenna’s vertical plane relative field factor of 0.3, the WABC-TV facility is predicted to produce a power density at two meters above ground level of  $0.00078 \text{ mW}/\text{cm}^2$ , which is 0.39% of the FCC guideline value for an “uncontrolled” environment, and 0.078% of the FCC’s guideline value for "controlled" environments. (See Appendix A)

There are currently no TV stations authorized to broadcast from the World Trade Center, only six pending applications for construction permits. There are currently two FM radio stations that are authorized to be located at the site, or within the relevant proximity of 315 meters, however neither FM station operates from the site. Even though there are no stations operational at the site, if all were to be operational, the total percentage of the ANSI value at the proposed site, including the cumulative radiation, based on a field factor of 0.3 for TV stations and 1.0 for FM stations, from all digital television stations and FM broadcast stations located at, or within 315 meters, is 5.77% of the limit for “uncontrolled” environments, and 1.15% of the limit for “controlled” environments.

**OCCUPATIONAL SAFETY**

In accordance with its obligations as a potential lessee at the World Trade Center to comply with the building’s RF Safety Program, the applicant is committed to the protection of station personnel and/or tower contractors working on the tower support structure, or in the vicinity of the proposed WABC-TV antenna, by reducing power and/or

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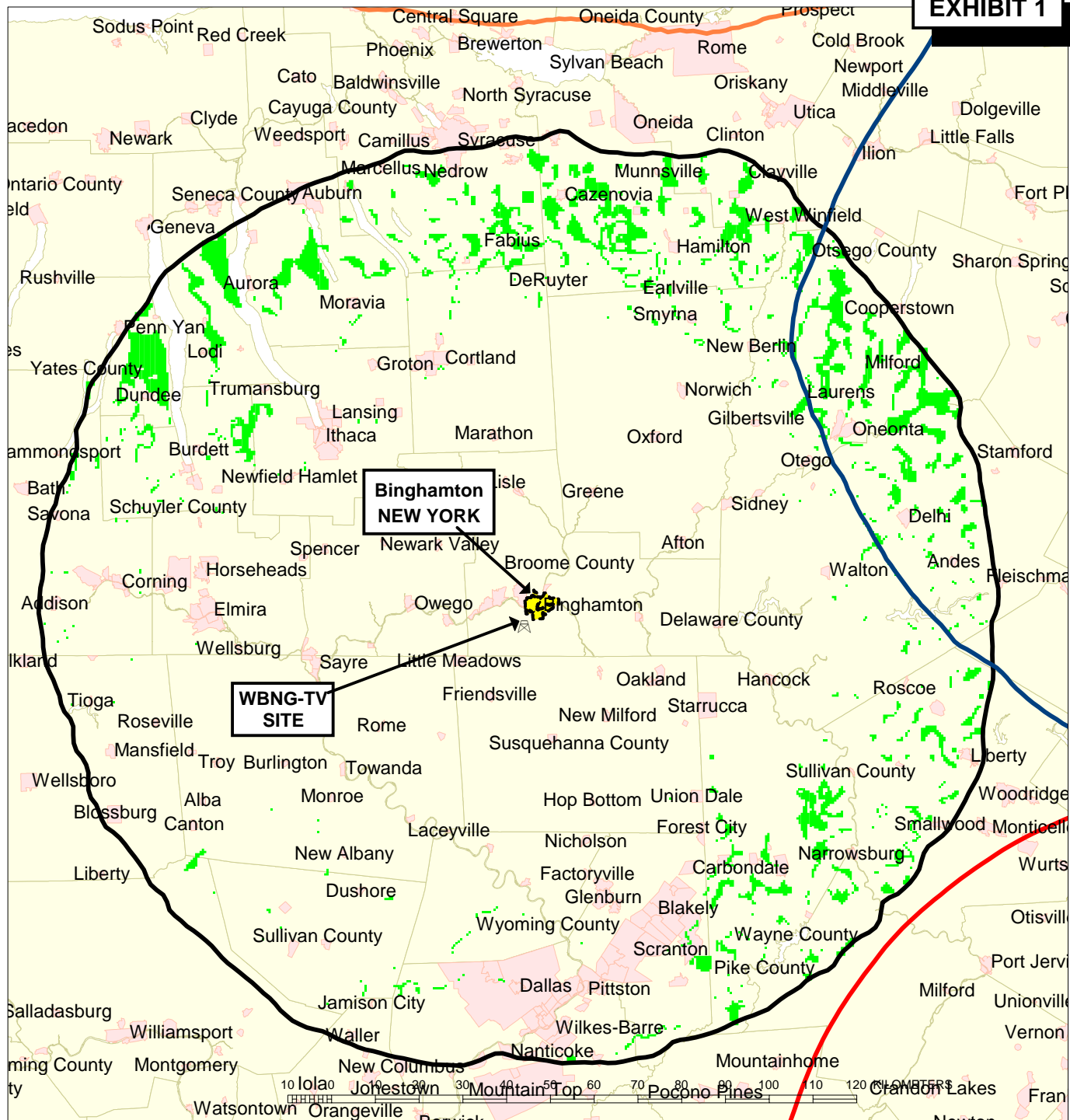
ceasing operation during times of maintenance of the transmission systems, when necessary, to ensure the proper protection of persons who might be required to perform their assigned tasks in this "controlled" environment.

**SUMMARY**

It is submitted that the instant application for amendment to an application for modification of construction permit for WABC-TV to operate from the World Trade Center, as described herein, except in the instance(s) where waiver(s) exist, and/or are requested, complies with the Rules, Regulations, and Policies of the Federal Communications Commission. This statement, FCC Form 2100, and the attached exhibits were prepared by me, or under my direct supervision, and are believed to be true and correct to the best of my knowledge and belief.

DATED: November 13, 2014





## LONGLEY/RICE PREDICTED INTERFERENCE

**PRESENT INTERFERENCE TO WBNG-TV, BINGHAMTON, NEW YORK**

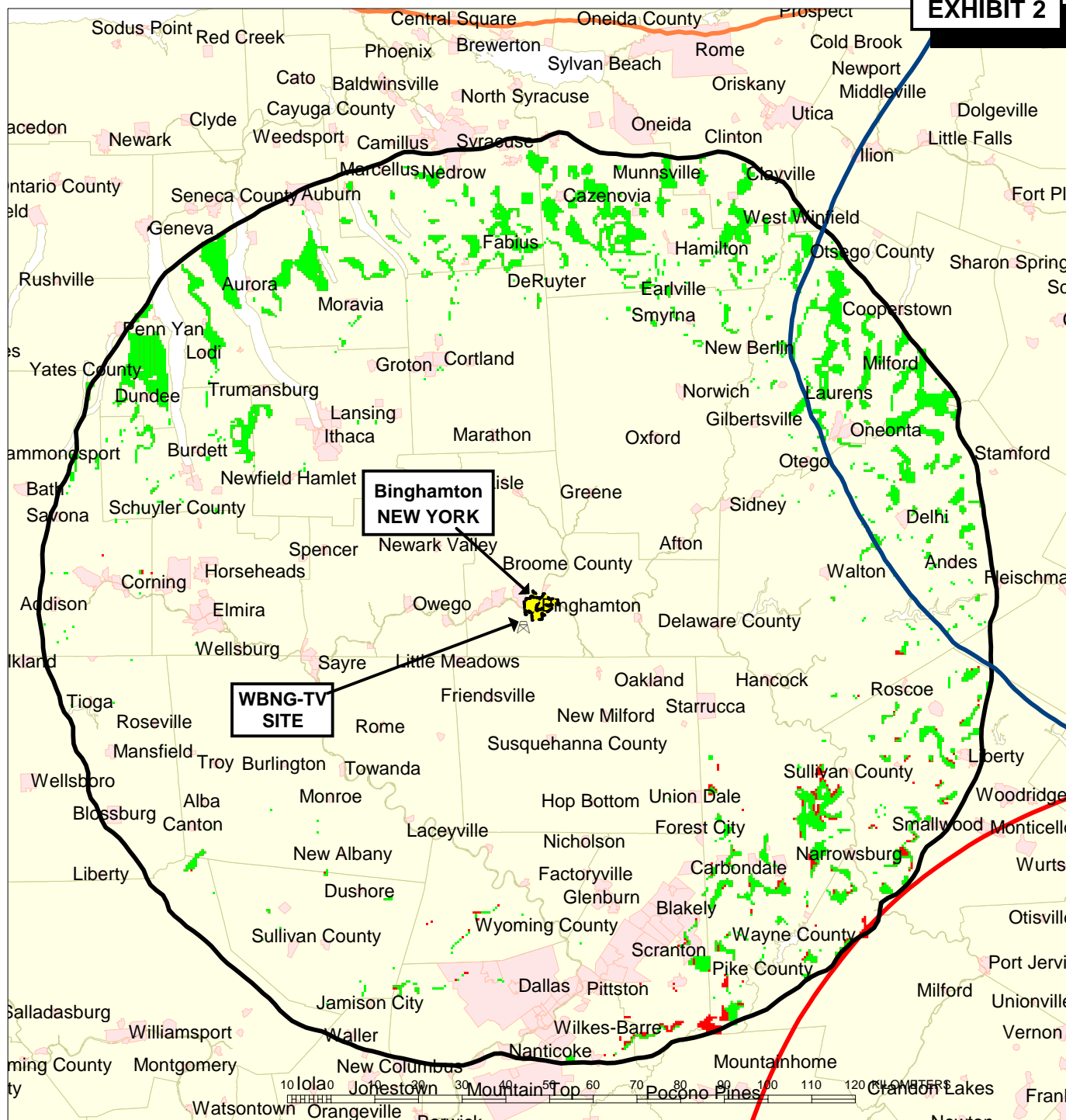
**FROM WWNY-TV CH 7 - CARTHAGE, NEW YORK**

**FROM WXXA-TV - CH 7 - ALBANY, NEW YORK**

**FROM WABC-TV CH 7 - ESB - NEW YORK, NEW YORK = 8,332 (0.7838%)**

**Total Combined Interference = 48,230 persons**

NOVEMBER 2014



## LONGLEY/RICE PREDICTED INTERFERENCE

**PROPOSED INTERFERENCE TO WBNG-TV, BINGHAMTON, NEW YORK**

**FROM WWNY-TV CH 7 - CARTHAGE, NEW YORK**

**FROM WXXA-TV - CH 7 - ALBANY, NEW YORK**

**FROM WABC-TV CH 7 - WTC - NEW YORK, NEW YORK = 10,780 (1.0159%)**

**Total Combined Interference = 50,678 persons (+2,448)**

**Steuben Co. NY = 262**

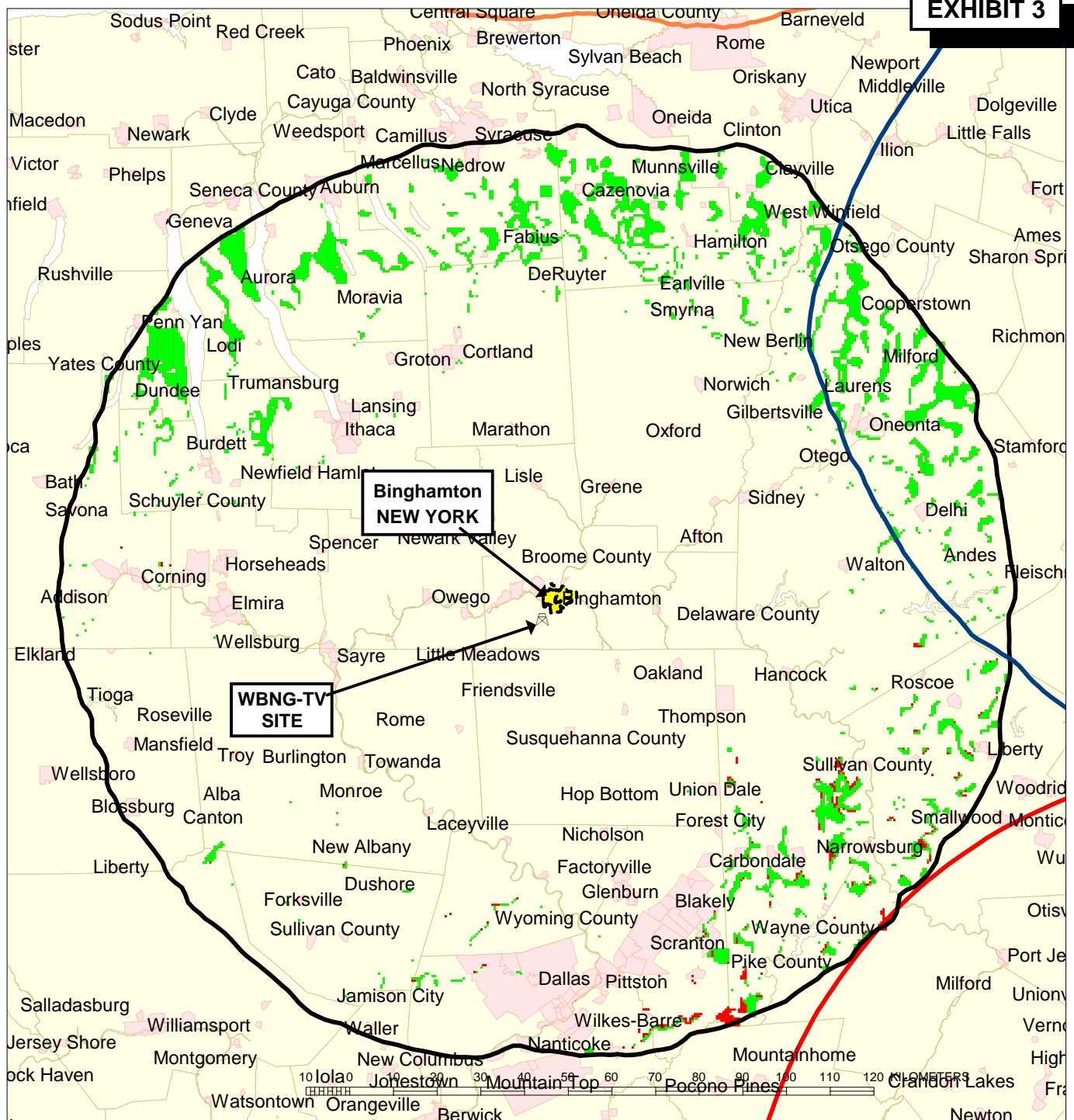
**Sullivan Co. NY = 476**

**NOVEMBER 2014**

**Lackawanna Co. PA = 200**

**Wayne Co. PA = 1,710**





## LONGLEY/RICE PREDICTED INTERFERENCE

**PRESENT INTERFERENCE TO WBNG-TV, BINGHAMTON, NEW YORK**

**FROM WNY-TV CH 7 - CARTHAGE, NEW YORK**

**FROM WXXA-TV - CH 7 - ALBANY, NEW YORK**

**FROM WABC-TV CH 7 - WTC - NEW YORK, NEW YORK = 10,780 (1.0159%)**

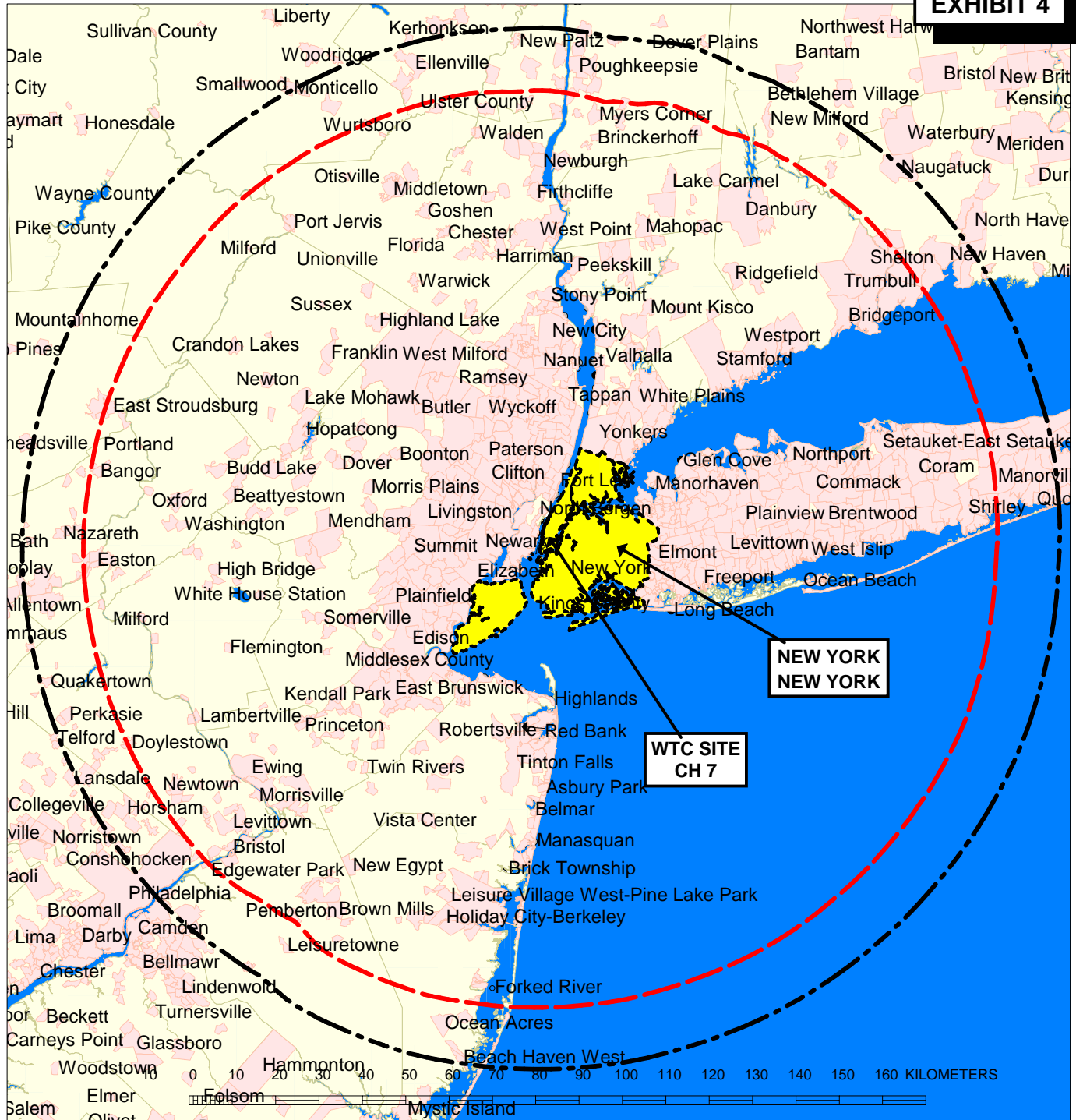
**Total Combined Interference = 50,678 persons**

**Existing Combined  
Interference per  
Acceptance agreement**

**NOVEMBER 2014**



**Added Interference from  
WABC-TV at World Trade  
Center 34 kW +2,448 persons**



## PREDICTED COVERAGE CONTOURS

**WABC-TV, NEW YORK, NEW YORK**

**WORLD TRADE CENTER**

**DTV - CH 7 - 34 kW - 506 m HAAT**

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

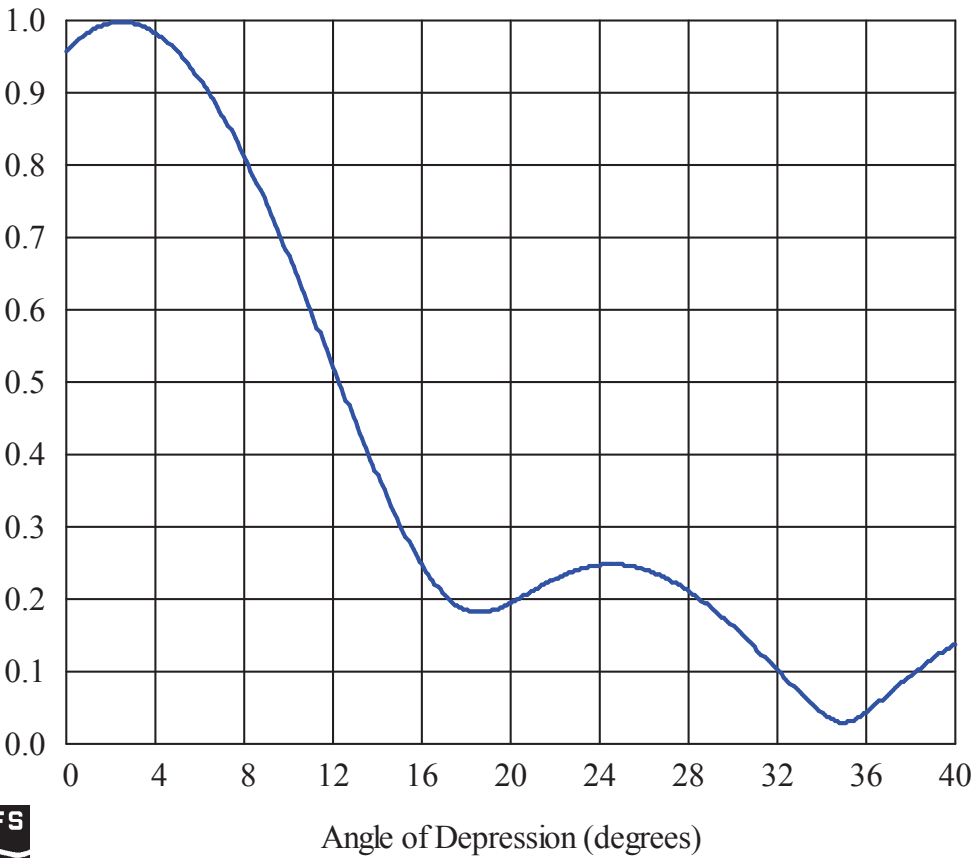
**Predicted 36 dBu F(50,90)**  
**Noise Limited Contour**

**NOVEMBER 2014**



E / E<sub>max</sub>

# Vertical Radiation Pattern



Date : 24/07/2014  
Station : One World Trade  
Model : 662-16D  
Frequency (MHz) : 177.00  
Directivity : 6.14 dBd  
Tilt : 2.5 degrees  
Azimuth Angle : 159 degrees  
Vertical Unit Pattern : 662-174h.vup



662-16 Elevation radiation pattern after optimization

# **SUMMARY OF RADIOFREQUENCY RADIATION STUDY**

WABC-TV , New York City, New York  
CHANNEL 7, 34 kW ERP, 506 m HAAT  
NOVEMBER, 2014

<u>CALL</u>	<u>SERVICE</u>	<u>CHANNEL</u>	<u>FREQUENCY</u>	<u>POLARIZATION</u>	<u>ANTENNA HEIGHT ** mAGL</u>	<u>ERP (kW)</u>	<u>VERT. RELATIVE FIELD FACTOR</u>	<u>PREDICTED POWER DENSITY (mW/cm<sup>2</sup>)</u>	<u>FCC UNCONTROLLED LIMIT (mW/cm<sup>2</sup>)</u>	<u>PERCENT OF UNCONTROLLED LIMIT</u>
WABC-TV	DT	7	177	H & V	511.9	34.000	0.300	0.00078	0.200	0.39%
WPIX	DT	11	201	H & V	511.9	5.500	0.300	0.00013	0.200	0.06%
WNET	DT	13	213	H & V	511.9	4.000	0.300	0.00009	0.200	0.05%
WNBC	DT	28	557	H & V	530.2	164.000	0.300	0.00351	0.371	0.94%
WPXN-TV	DT	31	575	H & V	530.2	285.000	0.300	0.00610	0.383	1.59%
WCBS-TV	DT	33	587	H & V	530.2	225.000	0.300	0.00481	0.391	1.23%
WPAT-FM	FM	226	93.1	H & V	439	5.400	1.000	0.00187	0.200	0.94%
WFAN-FM	FM	270	101.9	H & V	439	3.300	1.000	0.00114	0.200	0.57%

**TOTAL PERCENTAGE OF ANSI VALUE= 5.77%**

*\*\* The antenna heights indicated above are 2 meters less than the actual antenna heights*

*so that the predicted power densities consider the 2 meter human height allowance.*

*This evaluation includes facilities collocated at the site, and facilities located within 315 meters.*







Percent allowed new interference: 0.500  
Percent allowed new interference to non Class A LPTV: 2.000  
Census data selected 2000  
Data Base Selected  
./data/tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 10-30-2014 Time: 13:07:09

Record Selected for Analysis

WABC-TV BLCDT -20121031ABC NEW YORK NY US  
Channel 07 ERP 34 kW HAAT 506. m RCAMSL 518.2 m  
Latitude 040-42-46 Longitude 0074-00-48  
Status LIC Zone 1 Border C Site number: 01  
Last update 00000000 Cutoff date 20121126 Docket  
Comments  
Applicant AMERICAN BROADCASTING COMPANIES, INC

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility (site # 01) does not meet maximum height/power limits  
Channel 7 ERP = 34.00 HAAT = 506.

Site number	1			
Azimuth	ERP	HAAT	36.0	dBu F(50,90)
(Deg)	(kW)	(m)		(km)
0.0	34.000	499.8		117.7
45.0	34.000	517.3		118.5
90.0	34.000	496.6		117.5
135.0	34.000	508.0		118.1
180.0	34.000	511.0		118.2
225.0	34.000	507.7		118.0
270.0	34.000	509.5		118.1
315.0	34.000	504.9		117.9

Evaluation toward Class A Stations from site # 01

Contour overlap to Class A station  
W07BV 7 WILKES-BARRE, ETC. PA BLTVL 19930202IE

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

WABC-TV 07 NEW YORK NY BLCDT 20121031ABC Site # 01  
and station

SHORT TO: WXXA-TV 07 ALBANY NY BLCDT 20130916ADN  
042-37-31 0074-00-38  
Req. separation 244.6 Actual separation 212.4 Short 32.2 km

SHORT TO: WBNG-TV 07 BINGHAMTON NY BLCDT 20121218ABM  
042-03-31 0075-57- 6  
Req. separation 244.6 Actual separation 220.5 Short 24.1 km

APPENDIX B  
WABC-TV - New York, New York  
Channel 7, 34 kW - 506 meters HAAT - Page 2

SHORT TO: WNJB 08 NEW BRUNSWICK NJ BLEDT 20110427ABF  
040-37-17 0074-30-15  
Req. separation => 20.0 <= 110.0 Actual separation 42.7 Short 67.3( 22.7) km

SHORT TO: WABC-TV 07 NEW YORK NY DTVPLN DTVP0087  
040-42-43 0074-00-49  
Req. separation 244.6 Actual separation 0.1 Short 244.5 km

Checks to Site Number 01

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	
07	WABC-TV	NEW YORK NY	BLCDT	20121031ABC

Chans	Call	City/State	Dist(km)	Status	Application Ref. No.
07	WJLA-TV	WASHINGTON DC	326.9	LIC	BLCDT 20110706ABC
07	WXXA-TV	ALBANY NY	212.6	LIC	BLCDT 20130916ADN
07	WBNG-TV	BINGHAMTON NY	220.2	LIC	BLCDT 20121218ABM
07	WWNY-TV	CARTHAGE NY	386.8	LIC	BLCDT 20121109ACQ
07	W07BV	WILKES-BARRE, ETC. PA	160.9	LIC	BLTVL 19930202IE
08	WNJB	NEW BRUNSWICK NJ	42.6	LIC	BLEDT 20110427ABF
08	WICZ-TV	BINGHAMTON NY	219.6	LIC	BLCDT 20060320AFC

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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application Ref. No.
07	WJLA-TV	WASHINGTON DC	BLCDT -20110706ABC

Chans	Call	City/State	Dist(km)	Status	Application Ref. No.
07	WBNG-TV	BINGHAMTON NY	358.4	LIC	BLCDT -20121218ABM
07	WABC-TV	NEW YORK NY	326.9	LIC	BLCDT -20121031ABC
07	WBBZ-TV	SPRINGVILLE NY	425.2	LIC	BLCDT -20100525AEW
07	WTPC-TV	VIRGINIA BEACH VA	243.4	LIC	BLCDT -20090615ADP
07	WTRF-TV	WHEELING WV	338.3	LIC	BLCDT -20090227ABV
08	WWCP-TV	JOHNSTOWN PA	224.1	LIC	BLCDT -20090413AEM
08	WGAL	LANCASTER PA	126.8	LIC	BLCDT -20110323ABF
08	WGAL	LANCASTER PA	126.8	APP	BPCDT -20110516ACI
07	WABC-TV	NEW YORK NY	326.8	PLN	DTVPLN -DTVP0087

**APPENDIX B**  
**WABC-TV - New York, New York**  
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Total scenarios = 2

Result key: 1  
 Scenario 1 Affected station 1  
 Before Analysis

Results for: 7A DC WASHINGTON BLCDT 20110706ABC LIC  
 HAAT 235.0 m, ATV ERP 52.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7915401	32792.1
not affected by terrain losses	7627629	30383.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	52605	860.1
lost to ATV IX only	52605	860.1
lost to all IX	52605	860.1

Potential Interfering Stations Included in above Scenario 1

7A NY BINGHAMTON	BLCDT	20121218ABM	LIC
7A VA VIRGINIA BEACH	BLCDT	20090615ADP	LIC
7A WV WHEELING	BLCDT	20090227ABV	LIC
8A PA LANCASTER	BLCDT	20110323ABF	LIC
7A NY NEW YORK	DTVPLN	DTVP0087	PLN

After Analysis

Results for: 7A DC WASHINGTON BLCDT 20110706ABC LIC  
 HAAT 235.0 m, ATV ERP 52.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7915401	32792.1
not affected by terrain losses	7627629	30383.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	58924	980.1
lost to ATV IX only	58924	980.1
lost to all IX	58924	980.1

Potential Interfering Stations Included in above Scenario 1

7A NY BINGHAMTON	BLCDT	20121218ABM	LIC
7A VA VIRGINIA BEACH	BLCDT	20090615ADP	LIC
7A WV WHEELING	BLCDT	20090227ABV	LIC
8A PA LANCASTER	BLCDT	20110323ABF	LIC
7A NY NEW YORK	BLCDT	20121031ABC	LIC

Percent new IX = 0.0834%

Result key: 2  
 Scenario 2 Affected station 1  
 Before Analysis

Results for: 7A DC WASHINGTON BLCDT 20110706ABC LIC  
 HAAT 235.0 m, ATV ERP 52.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7915401	32792.1
not affected by terrain losses	7627629	30383.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	61754	956.1
lost to ATV IX only	61754	956.1
lost to all IX	61754	956.1

Potential Interfering Stations Included in above Scenario 2

7A NY BINGHAMTON	BLCDT	20121218ABM	LIC
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# APPENDIX B

WABC-TV - New York, New York

Channel 7, 34 kW - 506 meters HAAT - Page 4

7A VA VIRGINIA BEACH	BLCDT	20090615ADP	LIC
7A WV WHEELING	BLCDT	20090227ABV	LIC
8A PA LANCASTER	BPCDT	20110516ACI	APP
7A NY NEW YORK	DTVPLN	DTVP0087	PLN

## After Analysis

Results for: 7A DC WASHINGTON BLCDT 20110706ABC LIC  
HAAT 235.0 m, ATV ERP 52.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7915401	32792.1
not affected by terrain losses	7627629	30383.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	67453	1064.1
lost to ATV IX only	67453	1064.1
lost to all IX	67453	1064.1

Potential Interfering Stations Included in above Scenario 2

7A NY BINGHAMTON	BLCDT	20121218ABM	LIC
7A VA VIRGINIA BEACH	BLCDT	20090615ADP	LIC
7A WV WHEELING	BLCDT	20090227ABV	LIC
8A PA LANCASTER	BPCDT	20110516ACI	APP
7A NY NEW YORK	BLCDT	20121031ABC	LIC

Percent new IX = 0.0753%

Worst case new IX 0.0834% Scenario 1

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## Analysis of Interference to Affected Station 2

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
07	WXXA-TV	ALBANY NY	BLCDT -20130916ADN

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
07	WBNG-TV	BINGHAMTON NY	171.5	LIC	BLCDT -20121218ABM
07	WWNY-TV	CARTHAGE NY	202.8	LIC	BLCDT -20121109ACQ
07	WABC-TV	NEW YORK NY	212.6	LIC	BLCDT -20121031ABC
07	WNGS-DM	SPRINGVILLE NY	376.9	APP	BPRM -20060619ABL
07	WBBZ-TV	SPRINGVILLE NY	385.6	LIC	BLCDT -20100525AEW
08	WNJB	NEW BRUNSWICK NJ	226.5	LIC	BLEDT -20110427ABF
08	WICZ-TV	BINGHAMTON NY	171.0	LIC	BLCDT -20060320AFC
07	WABC-TV	NEW YORK NY	212.7	PLN	DTVPLN -DTVP0087

Total scenarios = 2

Result key: 3

Scenario 1 Affected station 2

Before Analysis

Results for: 7A NY ALBANY BLCDT 20130916ADN LIC  
HAAT 434.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1729029	34978.1
not affected by terrain losses	1562645	29279.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	22435	1639.1

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## APPENDIX B

WABC-TV - New York, New York

Channel 7, 34 kW - 506 meters HAAT - Page 5

lost to ATV IX only	22435	1639.1
lost to all IX	22435	1639.1

Potential Interfering Stations Included in above Scenario	1		
7A NY BINGHAMTON	BLCDT	20121218ABM	LIC
7A NY CARTHAGE	BLCDT	20121109ACQ	LIC
7A NY NEW YORK	DTVPLN	DTVP0087	PLN

### After Analysis

Results for: 7A NY ALBANY	BLCDT	20130916ADN	LIC
HAAT 434.0 m, ATV ERP 15.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1729029	34978.1	
not affected by terrain losses	1562645	29279.3	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	32177	1947.7	
lost to ATV IX only	32177	1947.7	
lost to all IX	32177	1947.7	

Potential Interfering Stations Included in above Scenario	1		
7A NY BINGHAMTON	BLCDT	20121218ABM	LIC
7A NY CARTHAGE	BLCDT	20121109ACQ	LIC
7A NY NEW YORK	BLCDT	20121031ABC	LIC

The following station failed the de minimis interference criteria.

7D NY NEW YORK	BLCDT	20121031ABC
ERP 34.00 kW HAAT 506.0 m RCAMSL 518.2 m		
Antenna 9999999999999999		

Due to interference to the following station and scenario:	1	
7D NY ALBANY	BLCDT	20130916ADN
ERP 15.00 kW HAAT 434.0 m RCAMSL 692.0 m		
Antenna 9999999999999999		

Percent new interference from proposal:	0.6325 to BLCDT	20130916ADN
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Result key: 4  
Scenario 2 Affected station 2  
Before Analysis

Results for: 7A NY ALBANY	BLCDT	20130916ADN	LIC
HAAT 434.0 m, ATV ERP 15.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1729029	34978.1	
not affected by terrain losses	1562645	29279.3	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	22435	1639.1	
lost to ATV IX only	22435	1639.1	
lost to all IX	22435	1639.1	

Potential Interfering Stations Included in above Scenario	2		
7A NY BINGHAMTON	BLCDT	20121218ABM	LIC
7A NY CARTHAGE	BLCDT	20121109ACQ	LIC
7A NY SPRINGVILLE	BPRM	20060619ABL	APP
7A NY NEW YORK	DTVPLN	DTVP0087	PLN

### After Analysis

Results for: 7A NY ALBANY	BLCDT	20130916ADN	LIC
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# APPENDIX B

WABC-TV - New York, New York

Channel 7, 34 kW - 506 meters HAAT - Page 6

HAAT	434.0 m, ATV ERP	15.0 kW
	POPULATION	AREA (sq km)
within Noise Limited Contour	1729029	34978.1
not affected by terrain losses	1562645	29279.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	32188	1951.7
lost to ATV IX only	32188	1951.7
lost to all IX	32188	1951.7

Potential Interfering Stations Included in above Scenario	2
7A NY BINGHAMTON	BLCDT 20121218ABM LIC
7A NY CARTHAGE	BLCDT 20121109ACQ LIC
7A NY SPRINGVILLE	BPRM 20060619ABL APP
7A NY NEW YORK	BLCDT 20121031ABC LIC

The following station failed the de minimis interference criteria.

7D NY NEW YORK	BLCDT 20121031ABC
ERP 34.00 kW HAAT 506.0 m RCAMSL 518.2 m	
Antenna 9999999999999999	

Due to interference to the following station and scenario:	2
7D NY ALBANY	BLCDT 20130916ADN
ERP 15.00 kW HAAT 434.0 m RCAMSL 692.0 m	
Antenna 9999999999999999	

Percent new interference from proposal:	0.6332 to BLCDT	20130916ADN
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Worst case new IX	0.6332% Scenario	2
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## Analysis of Interference to Affected Station 3

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
07	WBNG-TV	BINGHAMTON NY	BLCDT -20121218ABM

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
07	WJLA-TV	WASHINGTON DC	358.4	LIC	BLCDT -20110706ABC
07	WXXA-TV	ALBANY NY	171.5	LIC	BLCDT -20130916ADN
07	WWNY-TV	CARTHAGE NY	211.5	LIC	BLCDT -20121109ACQ
07	WABC-TV	NEW YORK NY	220.2	LIC	BLCDT -20121031ABC
07	WNGS-DM	SPRINGVILLE NY	228.4	APP	BPRM -20060619ABL
07	WBBZ-TV	SPRINGVILLE NY	234.7	LIC	BLCDT -20100525AEW
08	WNJB	NEW BRUNSWICK NJ	200.3	LIC	BLEDT -20110427ABF
08	WICZ-TV	BINGHAMTON NY	0.7	LIC	BLCDT -20060320AFC
07	WABC-TV	NEW YORK NY	220.3	PLN	DTVPLN -DTV0087

Total scenarios = 2

Result key:	5
Scenario	1 Affected station
Before Analysis	3

Results for:	7A NY BINGHAMTON	BLCDT	20121218ABM	LIC
HAAT	342.0 m, ATV ERP	34.0 kW		
	POPULATION	AREA (sq km)		
within Noise Limited Contour	1615919	35189.4		
not affected by terrain losses	1102857	30374.9		

## APPENDIX B

WABC-TV - New York, New York

Channel 7, 34 kW - 506 meters HAAT - Page 7

lost to NTSC IX	0	0.0
lost to additional IX by ATV	39898	1483.6
lost to ATV IX only	39898	1483.6
lost to all IX	39898	1483.6

Potential Interfering Stations Included in above Scenario				1
7A DC WASHINGTON	BLCDT	20110706ABC	LIC	
7A NY ALBANY	BLCDT	20130916ADN	LIC	
7A NY CARTHAGE	BLCDT	20121109ACQ	LIC	
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC	
7A NY NEW YORK	DTVPLN	DTVP0087	PLN	

### After Analysis

Results for: 7A NY BINGHAMTON BLCDT 20121218ABM LIC  
HAAT 342.0 m, ATV ERP 34.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1615919	35189.4
not affected by terrain losses	1102857	30374.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	50682	1911.4
lost to ATV IX only	50682	1911.4
lost to all IX	50682	1911.4

Potential Interfering Stations Included in above Scenario				1
7A DC WASHINGTON	BLCDT	20110706ABC	LIC	
7A NY ALBANY	BLCDT	20130916ADN	LIC	
7A NY CARTHAGE	BLCDT	20121109ACQ	LIC	
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC	
7A NY NEW YORK	BLCDT	20121031ABC	LIC	

The following station failed the de minimis interference criteria.

7D NY NEW YORK BLCDT 20121031ABC  
ERP 34.00 kW HAAT 506.0 m RCAMSL 518.2 m  
Antenna 999999999999999

Due to interference to the following station and scenario: 1  
7D NY BINGHAMTON BLCDT 20121218ABM  
ERP 34.00 kW HAAT 342.0 m RCAMSL 739.2 m  
Antenna 999999999999999

Percent new interference from proposal: 1.0145 to BLCDT 20121218ABM

Result key: 6  
Scenario 2 Affected station 3  
Before Analysis

Results for: 7A NY BINGHAMTON BLCDT 20121218ABM LIC  
HAAT 342.0 m, ATV ERP 34.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1615919	35189.4
not affected by terrain losses	1102857	30374.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	41722	1595.5
lost to ATV IX only	41722	1595.5
lost to all IX	41722	1595.5

Potential Interfering Stations Included in above Scenario				2
7A DC WASHINGTON	BLCDT	20110706ABC	LIC	
7A NY ALBANY	BLCDT	20130916ADN	LIC	

**APPENDIX B**  
**WABC-TV - New York, New York**  
**Channel 7, 34 kW - 506 meters HAAT - Page 8**

7A NY CARTHAGE	BLCDT	20121109ACQ	LIC
7A NY SPRINGVILLE	BPRM	20060619ABL	APP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
7A NY NEW YORK	DTVPLN	DTVP0087	PLN

**After Analysis**

Results for: 7A NY BINGHAMTON BLCDT 20121218ABM LIC  
 HAAT 342.0 m, ATV ERP 34.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1615919	35189.4
not affected by terrain losses	1102857	30374.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	52502	2019.4
lost to ATV IX only	52502	2019.4
lost to all IX	52502	2019.4

**Potential Interfering Stations Included in above Scenario 2**

7A DC WASHINGTON	BLCDT	20110706ABC	LIC
7A NY ALBANY	BLCDT	20130916ADN	LIC
7A NY CARTHAGE	BLCDT	20121109ACQ	LIC
7A NY SPRINGVILLE	BPRM	20060619ABL	APP
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
7A NY NEW YORK	BLCDT	20121031ABC	LIC

**The following station failed the de minimis interference criteria.**

7D NY NEW YORK BLCDT 20121031ABC  
 ERP 34.00 kW HAAT 506.0 m RCAMSL 518.2 m  
 Antenna 9999999999999999

**Due to interference to the following station and scenario: 2**

7D NY BINGHAMTON BLCDT 20121218ABM  
 ERP 34.00 kW HAAT 342.0 m RCAMSL 739.2 m  
 Antenna 9999999999999999

Percent new interference from proposal: 1.0159 to BLCDT 20121218ABM

Worst case new IX 1.0159% Scenario 2

#####

**Analysis of Interference to Affected Station 4**

**Analysis of current record**

Channel	Call	City/State	Application	Ref. No.
07	WVNY-TV	CARTHAGE NY	BLCDT	-20121109ACQ

**Stations Potentially Affecting This Station**

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	WXXA-TV	ALBANY NY	202.8	LIC	BLCDT	-20130916ADN
07	WBNG-TV	BINGHAMTON NY	211.5	LIC	BLCDT	-20121218ABM
07	WABC-TV	NEW YORK NY	386.8	LIC	BLCDT	-20121031ABC
07	WNGS-DM	SPRINGVILLE NY	275.8	APP	BPRM	-20060619ABL
07	WBBZ-TV	SPRINGVILLE NY	287.2	LIC	BLCDT	-20100525AEW
08	WICZ-TV	BINGHAMTON NY	211.7	LIC	BLCDT	-20060320AFC
07	WABC-TV	NEW YORK NY	386.9	PLN	DTVPLN	-DTVP0087

Proposal causes no interference

#####



# APPENDIX B

WABC-TV - New York, New York

Channel 7, 34 kW - 506 meters HAAT - Page 9

## Analysis of Interference to Affected Station 5

### Analysis of current record

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

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
07	WJLA-TV	WASHINGTON DC	271.9	LIC	BLCDT -20110706ABC
07	WXXA-TV	ALBANY NY	218.1	LIC	BLCDT -20130916ADN
07	WBNG-TV	BINGHAMTON NY	96.2	LIC	BLCDT -20121218ABM
07	WWNY-TV	CARTHAGE NY	306.4	LIC	BLCDT -20121109ACQ
07	WABC-TV	NEW YORK NY	160.9	LIC	BLCDT -20121031ABC
07	WNGS-DM	SPRINGVILLE NY	281.4	APP	BPRM -20060619ABL
07	WBBZ-TV	SPRINGVILLE NY	284.4	LIC	BLCDT -20100525AEW
08	WNJB	NEW BRUNSWICK NJ	127.8	LIC	BLEDT -20110427ABF
08	WICZ-TV	BINGHAMTON NY	95.9	LIC	BLCDT -20060320AFC
07	WABC-TV	NEW YORK NY	161.0	PLN	DTVPLN -DTV0087

Proposal causes no interference

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## Analysis of Interference to Affected Station 6

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
08	WNJB	NEW BRUNSWICK NJ	BLEDT -20110427ABF

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
07	WXXA-TV	ALBANY NY	226.5	LIC	BLCDT -20130916ADN
07	WBNG-TV	BINGHAMTON NY	200.3	LIC	BLCDT -20121218ABM
07	WABC-TV	NEW YORK NY	42.6	LIC	BLCDT -20121031ABC
08	WICZ-TV	BINGHAMTON NY	199.7	LIC	BLCDT -20060320AFC
08	WWCP-TV	JOHNSTOWN PA	396.3	LIC	BLCDT -20090413AEM
08	WGAL	LANCASTER PA	190.7	LIC	BLCDT -20110323ABF
08	WGAL	LANCASTER PA	190.7	APP	BPCDT -20110516ACI
09	WEDN	NORWICH CT	219.8	LIC	BLEDT -20090618ACB
09	WEDN-DR	NORWICH CT	219.8	APP	BPRM -20040109AEI
09	WBPH-DT	BETHLEHEM PA	79.2	LIC	BPRM -20011130AHC
09	WBPH-TV	BETHLEHEM PA	78.8	APP	BPCDT -20110518ADP
09	WBPH-TV	BETHLEHEM PA	78.8	LIC	BLCDT -20100907AAF
07	WABC-TV	NEW YORK NY	42.6	PLN	DTVPLN -DTV0087

Total scenarios = 4

Result key: 7

Scenario 1 Affected station 6

Before Analysis

Results for: 8A NJ NEW BRUNSWICK BLEDT 20110427ABF LIC

HAAT 218.0 m, ATV ERP 40.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20668171	26517.0
not affected by terrain losses	19916767	24007.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2195089	3340.6
lost to ATV IX only	2195089	3340.6
lost to all IX	2195089	3340.6

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**APPENDIX B**  
**WABC-TV - New York, New York**  
**Channel 7, 34 kW - 506 meters HAAT - Page 10**

Potential Interfering Stations Included in above Scenario				1
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC	
8A PA LANCASTER	BLCDT	20110323ABF	LIC	
9A PA BETHLEHEM	BPRM	20011130AHC	LIC	
9A PA BETHLEHEM	BLCDT	20100907AAF	LIC	
7A NY NEW YORK	DTVPLN	DTVP0087	PLN	

**After Analysis**

Results for:	8A NJ NEW BRUNSWICK	BLEDT	20110427ABF	LIC
HAAT	218.0 m, ATV ERP	40.8 kW		
	POPULATION	AREA (sq km)		
within Noise Limited Contour	20668171	26517.0		
not affected by terrain losses	19916767	24007.5		
lost to NTSC IX	0	0.0		
lost to additional IX by ATV	4831261	5150.8		
lost to ATV IX only	4831261	5150.8		
lost to all IX	4831261	5150.8		

Potential Interfering Stations Included in above Scenario				1
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC	
8A PA LANCASTER	BLCDT	20110323ABF	LIC	
9A PA BETHLEHEM	BPRM	20011130AHC	LIC	
9A PA BETHLEHEM	BLCDT	20100907AAF	LIC	
7A NY NEW YORK	BLCDT	20121031ABC	LIC	

The following station failed the de minimis interference criteria.  
 7D NY NEW YORK BLCDT 20121031ABC  
 ERP 34.00 kW HAAT 506.0 m RCAMSL 518.2 m  
 Antenna 9999999999999999

Due to interference to the following station and scenario: 1  
 8D NJ NEW BRUNSWICK BLEDT 20110427ABF  
 ERP 40.82 kW HAAT 218.0 m RCAMSL 281.0 m  
 Antenna CDB 00000000104545

Percent new interference from proposal: 14.8754 to BLEDT 20110427ABF

Result key: 8  
 Scenario 2 Affected station 6  
 Before Analysis

Results for:	8A NJ NEW BRUNSWICK	BLEDT	20110427ABF	LIC
HAAT	218.0 m, ATV ERP	40.8 kW		
	POPULATION	AREA (sq km)		
within Noise Limited Contour	20668171	26517.0		
not affected by terrain losses	19916767	24007.5		
lost to NTSC IX	0	0.0		
lost to additional IX by ATV	2213751	3416.5		
lost to ATV IX only	2213751	3416.5		
lost to all IX	2213751	3416.5		

Potential Interfering Stations Included in above Scenario				2
8A NY BINGHAMTON	BLCDT	20060320AFC	LIC	
8A PA LANCASTER	BLCDT	20110323ABF	LIC	
9A PA BETHLEHEM	BPRM	20011130AHC	LIC	
9A PA BETHLEHEM	BPCDT	20110518ADP	APP	
7A NY NEW YORK	DTVPLN	DTVP0087	PLN	

**After Analysis**

## APPENDIX B

WABC-TV - New York, New York

Channel 7, 34 kW - 506 meters HAAT - Page 11

Results for: 8A NJ NEW BRUNSWICK BLEDT 20110427ABF LIC

HAAT 218.0 m, ATV ERP 40.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20668171	26517.0
not affected by terrain losses	19916767	24007.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4849923	5226.7
lost to ATV IX only	4849923	5226.7
lost to all IX	4849923	5226.7

Potential Interfering Stations Included in above Scenario 2

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BLCDT	20110323ABF	LIC
9A PA BETHLEHEM	BPRM	20011130AHC	LIC
9A PA BETHLEHEM	BPCDT	20110518ADP	APP
7A NY NEW YORK	BLCDT	20121031ABC	LIC

The following station failed the de minimis interference criteria.

7D NY NEW YORK BLCDT 20121031ABC  
ERP 34.00 kW HAAT 506.0 m RCAMSL 518.2 m  
Antenna 9999999999999999

Due to interference to the following station and scenario: 2

8D NJ NEW BRUNSWICK BLEDT 20110427ABF  
ERP 40.82 kW HAAT 218.0 m RCAMSL 281.0 m  
Antenna CDB 00000000104545

Percent new interference from proposal: 14.8911 to BLEDT 20110427ABF

Result key: 9

Scenario 3 Affected station 6

Before Analysis

Results for: 8A NJ NEW BRUNSWICK BLEDT 20110427ABF LIC

HAAT 218.0 m, ATV ERP 40.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20668171	26517.0
not affected by terrain losses	19916767	24007.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2408609	3916.0
lost to ATV IX only	2408609	3916.0
lost to all IX	2408609	3916.0

Potential Interfering Stations Included in above Scenario 3

8A NY BINGHAMTON	BLCDT	20060320AFC	LIC
8A PA LANCASTER	BPCDT	20110516ACI	APP
9A PA BETHLEHEM	BPRM	20011130AHC	LIC
9A PA BETHLEHEM	BPCDT	20110518ADP	APP
7A NY NEW YORK	DTVPLN	DTVP0087	PLN

After Analysis

Results for: 8A NJ NEW BRUNSWICK BLEDT 20110427ABF LIC

HAAT 218.0 m, ATV ERP 40.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20668171	26517.0
not affected by terrain losses	19916767	24007.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5022237	5666.2
lost to ATV IX only	5022237	5666.2

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**APPENDIX B**  
**WABC-TV - New York, New York**  
**Channel 7, 34 kW - 506 meters HAAT - Page 12**

lost to all IX 5022237 5666.2

Potential Interfering Stations Included in above Scenario 3  
 8A NY BINGHAMTON BLCDT 20060320AFC LIC  
 8A PA LANCASTER BPCDT 20110516ACI APP  
 9A PA BETHLEHEM BPRM 20011130AHC LIC  
 9A PA BETHLEHEM BPCDT 20110518ADP APP  
 7A NY NEW YORK BLCDT 20121031ABC LIC

The following station failed the de minimis interference criteria.  
 7D NY NEW YORK BLCDT 20121031ABC  
 ERP 34.00 kW HAAT 506.0 m RCAMSL 518.2 m  
 Antenna 9999999999999999

Due to interference to the following station and scenario: 3  
 8D NJ NEW BRUNSWICK BLEDT 20110427ABF  
 ERP 40.82 kW HAAT 218.0 m RCAMSL 281.0 m  
 Antenna CDB 00000000104545

Percent new interference from proposal: 14.9281 to BLEDT 20110427ABF

Result key: 10  
 Scenario 4 Affected station 6  
 Before Analysis

Results for: 8A NJ NEW BRUNSWICK BLEDT 20110427ABF LIC  
 HAAT 218.0 m, ATV ERP 40.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20668171	26517.0
not affected by terrain losses	19916767	24007.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2391552	3844.1
lost to ATV IX only	2391552	3844.1
lost to all IX	2391552	3844.1

Potential Interfering Stations Included in above Scenario 4  
 8A NY BINGHAMTON BLCDT 20060320AFC LIC  
 8A PA LANCASTER BPCDT 20110516ACI APP  
 9A PA BETHLEHEM BPRM 20011130AHC LIC  
 9A PA BETHLEHEM BLCDT 20100907AAF LIC  
 7A NY NEW YORK DTVPLN DTVP0087 PLN

**After Analysis**

Results for: 8A NJ NEW BRUNSWICK BLEDT 20110427ABF LIC  
 HAAT 218.0 m, ATV ERP 40.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20668171	26517.0
not affected by terrain losses	19916767	24007.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5005180	5594.3
lost to ATV IX only	5005180	5594.3
lost to all IX	5005180	5594.3

Potential Interfering Stations Included in above Scenario 4  
 8A NY BINGHAMTON BLCDT 20060320AFC LIC  
 8A PA LANCASTER BPCDT 20110516ACI APP  
 9A PA BETHLEHEM BPRM 20011130AHC LIC  
 9A PA BETHLEHEM BLCDT 20100907AAF LIC  
 7A NY NEW YORK BLCDT 20121031ABC LIC

## APPENDIX B

### WABC-TV - New York, New York

### Channel 7, 34 kW - 506 meters HAAT - Page 13

The following station failed the de minimis interference criteria.

7D NY NEW YORK BLCDT 20121031ABC  
ERP 34.00 kW HAAT 506.0 m RCAMSL 518.2 m  
Antenna 999999999999999

Due to interference to the following station and scenario: 4

8D NJ NEW BRUNSWICK BLEDT 20110427ABF  
ERP 40.82 kW HAAT 218.0 m RCAMSL 281.0 m  
Antenna CDB 00000000104545

Percent new interference from proposal: 14.9135 to BLEDT 20110427ABF

Worst case new IX 14.9281% Scenario 3

#####

#### Analysis of Interference to Affected Station 7

##### Analysis of current record

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

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	WXXA-TV	ALBANY NY	171.0	LIC	BLCDT	-20130916ADN
07	WBNG-TV	BINGHAMTON NY	0.7	LIC	BLCDT	-20121218ABM
07	WWNY-TV	CARTHAGE NY	211.7	LIC	BLCDT	-20121109ACQ
07	WABC-TV	NEW YORK NY	219.6	LIC	BLCDT	-20121031ABC
08	WNJB	NEW BRUNSWICK NJ	199.7	LIC	BLEDT	-20110427ABF
08	WWCP-TV	JOHNSTOWN PA	339.9	LIC	BLCDT	-20090413AEM
08	WGAL	LANCASTER PA	231.7	LIC	BLCDT	-20110323ABF
08	WGAL	LANCASTER PA	231.7	APP	BPCDT	-20110516ACI
09	WBPH-DT	BETHLEHEM PA	171.1	LIC	BPRM	-20011130AHC
09	WBPH-TV	BETHLEHEM PA	170.9	APP	BPCDT	-20110518ADP
09	WBPH-TV	BETHLEHEM PA	170.9	LIC	BLCDT	-20100907AAF
07	WABC-TV	NEW YORK NY	219.6	PLN	DTVPLN	-DTVP0087

Proposal causes no interference

#####

#### Analysis of Interference to Affected Station 8

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
07	WABC-TV	NEW YORK NY	BLCDT	-20121031ABC

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	WJLA-TV	WASHINGTON DC	326.9	LIC	BLCDT	-20110706ABC
07	WXXA-TV	ALBANY NY	212.6	LIC	BLCDT	-20130916ADN
07	WBNG-TV	BINGHAMTON NY	220.2	LIC	BLCDT	-20121218ABM
07	WWNY-TV	CARTHAGE NY	386.8	LIC	BLCDT	-20121109ACQ
08	WNJB	NEW BRUNSWICK NJ	42.6	LIC	BLEDT	-20110427ABF
08	WICZ-TV	BINGHAMTON NY	219.6	LIC	BLCDT	-20060320AFC

Total scenarios = 1

**APPENDIX B**  
**WABC-TV - New York, New York**  
**Channel 7, 34 kW - 506 meters HAAT - Page 14**

Result key: 11  
 Scenario 1 Affected station 8  
 Before Analysis

Results for:	7A NY NEW YORK	BLCDT	20121031ABC	LIC
HAAT	506.0 m, ATV ERP	34.0 kW		
		POPULATION	AREA (sq km)	
within Noise Limited Contour		22429952	43755.8	
not affected by terrain losses		21791080	40981.2	
lost to NTSC IX		0	0.0	
lost to additional IX by ATV		366673	1600.9	
lost to ATV IX only		366673	1600.9	
lost to all IX		366673	1600.9	

Potential Interfering Stations Included in above Scenario	1
7A DC WASHINGTON	BLCDT 20110706ABC LIC
7A NY ALBANY	BLCDT 20130916ADN LIC
7A NY BINGHAMTON	BLCDT 20121218ABM LIC
7A NY CARTHAGE	BLCDT 20121109ACQ LIC
8A NJ NEW BRUNSWICK	BLEDT 20110427ABF LIC

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