



**STATEMENT OF JOHN E. HIDLE, P.E.
IN SUPPORT OF AN APPLICATION FOR
POST REPACK CONSTRUCTION PERMIT
WVAH-TV - CHARLESTON, WEST VIRGINIA
DTV - CH. 24 - 533 kW - 514.1 m HAAT**

Prepared for: WVAH LICENSEE, LLC

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 WVAH LICENSEE, LLC, licensee of WVAH-TV channel 19, facility ID number 417, licensed to Charleston, West Virginia, to prepare this statement, FCC Form 2100, Schedule A, its technical sections, and the associated exhibits in support of an application for construction permit, in accordance with the Incentive Auction Closing and Channel Reassignment Public Notice, DA 17-314, and the technical information provided in the confidential reassignment letter from the FCC announcing the substitution for DTV channel 19 with new DTV channel 24 to be used by WVAH-TV for its post-reassignment broadcasting.

NON-DIRECTIONAL ANTENNA

The applicant proposes to utilize its existing Dielectric model TUC-O5-10/50H-1-B horizontally polarized omni-directional transmitting antenna with its center of radiation located at a height above ground of 432.1 meters, and a height above average terrain of 514.1 meters. The manufacturer's vertical plane elevation radiation pattern, illustrating the antenna's radiation characteristics above and below the horizontal plane is shown and tabulated in Exhibit 2.

PREDICTED COVERAGE CONTOURS

The predicted coverage contours were calculated in accordance with the method described in Section 73.625(b) of the Rules, utilizing the appropriate F(50,90) propagation curves (47 CFR Section 73.699, Figure 9), proposed Effective Radiated 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 NED Three Second US Terrain Database as permitted in the FCC Rules. The antenna site elevation and coordinates were determined from FCC antenna registration data. Exhibit 1 shows the predicted Noise Limited (39.76 dBu) contour, and the principal community (48 dBu) contour. The 48 dBu contour completely encompasses the principal community of license, Charleston, West Virginia.

ALLOCATION CONSIDERATIONS

Post-Transition DTV Considerations

A study was performed, using the FCC's software, tv_study, v. 2.2.2, to determine if the instant application for construction permit is predicted to cause new prohibited interference to post reassignment DTV stations, construction permits, DTV allotments or Class A DTV stations. The study results, shown in Appendix B, indicate that the instant application for construction permit is predicted to cause no new interference exceeding 0.5% to the populations served by any post reassignment DTV station, construction permit, allotment or Class A DTV stations. The study also shows that WVAH-TV's proposed service area is within the baseline plus 1%. (See Appendix B)

International DTV Considerations

The WVAH-TV site is located 365.7 kilometers from the nearest point on the US-Canadian border, and is 1,971.2 kilometers from the nearest point on the US/Mexican border. The site is located beyond either the Canadian or the Mexican coordination distance.

BLANKETING AND INTERMODULATION INTERFERENCE

Other broadcast and non-broadcast facilities are either co-located with, or located within 10 km of the proposed WVAH-TV site. The applicant does recognize its responsibility to remedy complaints of interference that might result from this proposal in accordance with applicable Rules.

RADIO FREQUENCY IMPACT

The FCC's guidelines and procedures for evaluating environmental effects of radio frequency (RF) emissions 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 define a maximum permissible exposure (MPE) level for occupational or "controlled" situations, and for "uncontrolled" environments that apply in all other cases that might 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" (Edition 97-01, August 1997), provides assistance to determine whether FCC-regulated transmitting facilities, operations or devices comply with guidelines for human exposure to radio frequency electromagnetic fields as adopted by the Commission in 1996. OET Bulletin No. 65 contains the technical information necessary to evaluate compliance with the FCC's policies and guidelines.

The Maximum Permitted Exposure (MPE) level for broadcast facilities that operate on a frequency between 30 MHz and 300 MHz is 200 microwatts per centimeter squared ($\mu\text{W}/\text{cm}^2$) for an "uncontrolled" environment, and is 1000 microwatts per centimeter squared ($\mu\text{W}/\text{cm}^2$) for a "controlled" environment. The MPE level for broadcast facilities that operate on a frequency between 300 MHz and 1500 MHz, primarily UHF TV stations, is determined for an "uncontrolled" environment by dividing the operating frequency in MHz by 1.5, and is similarly determined for a "controlled" environment by dividing the operating

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frequency in MHZ by 0.3.

The predicted emissions of WVAH-TV must be considered, in addition to predicted emissions from any other proposed or existing stations at the site. For WVAH-TV, which will operate on television Channel 24 (530-536 MHZ), the MPE is 355.33 microwatts per centimeter squared ($\mu\text{W}/\text{cm}^2$) in an "uncontrolled" environment and 1,776.7 $\mu\text{W}/\text{cm}^2$ in a "controlled" environment. The proposed WVAH-TV facility will operate with a maximum ERP of 533 kW from a horizontally polarized omni-directional transmitting antenna with a centerline height of 432.1 meters above ground level (AGL). Considering a conservative predicted vertical plane relative field factor of 0.300 the WVAH-TV facility is predicted to produce a power density at two meters above ground level of 8.664 $\mu\text{W}/\text{cm}^2$, which is 2.44% of the FCC guideline value for an "uncontrolled" environment, and 0.488% of the FCC's guideline value for "controlled" environments. There is one other full-power DTV facility, one LPTV DTV facility and one FM radio station that are located at the WVAH-TV site. The total estimated percentage of the ANSI value at the proposed site, including the cumulative radiation from all authorizations located within the relevant proximity, is 26.82% of the limit applicable to "uncontrolled" environments, and 5.364% of the limit for "controlled" environments. (See Appendix A)

OCCUPATIONAL SAFETY

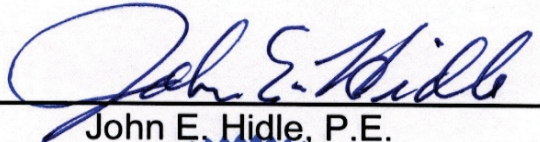
The licensee of WVAH-TV is committed to the protection of station personnel and/or tower contractors working in the vicinity of the WVAH-TV antenna, and is committed to reducing power or ceasing operation during times of maintenance of the transmission systems, when necessary, to ensure protection to personnel.

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SUMMARY

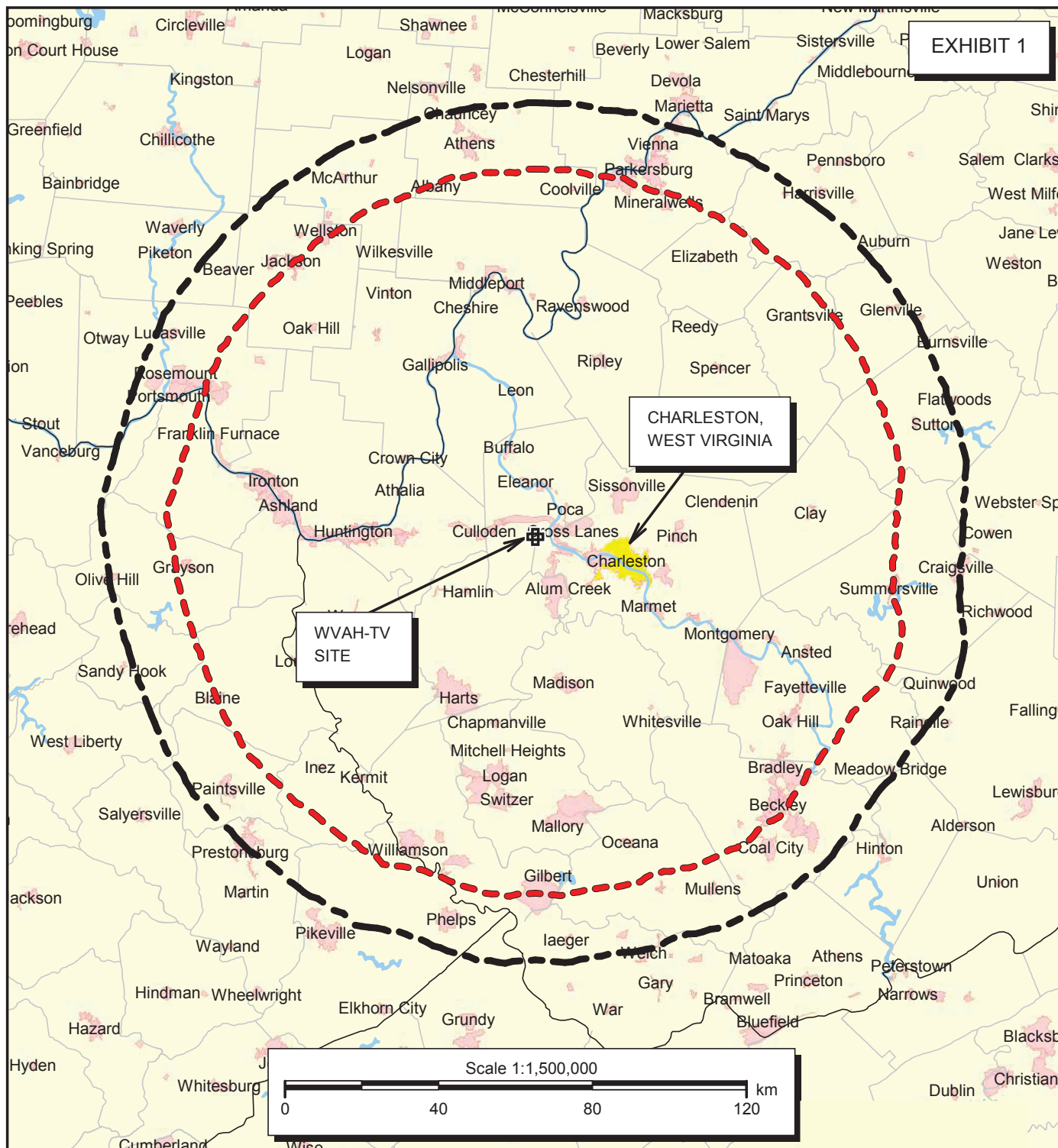
It is submitted that the instant application for construction permit to change WVAH-TV from channel 19 to channel 24, as described herein, complies with the Rules, Regulations and relevant Policies of the Federal Communications Commission. This statement, FCC Form 2100, its technical sections, and the 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: June 19, 2017



John E. Hidle, P.E.





PREDICTED COVERAGE CONTOURS

WVAH-TV - CHARLESTON, WEST VIRGINIA
DTV Channel 24 - 533 kW ERP - 514.1 M HAAT
JUNE, 2017

Predicted Noise Limited 39.76 dBu
 F(50,90) Coverage Contour



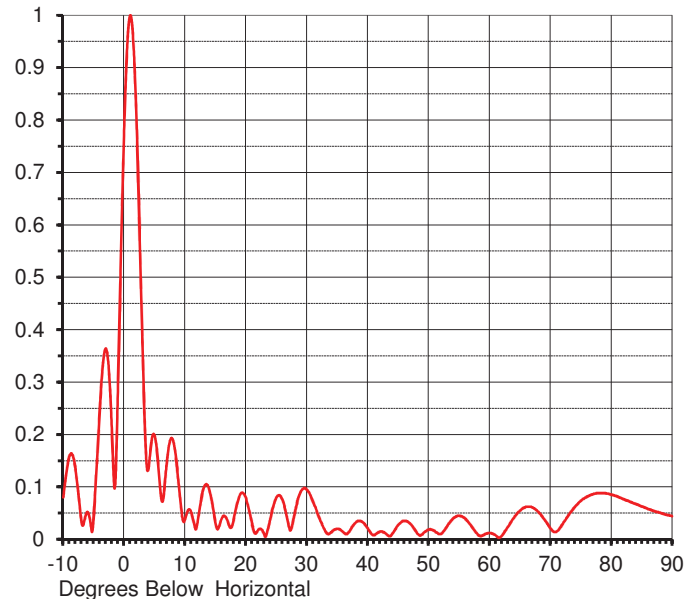
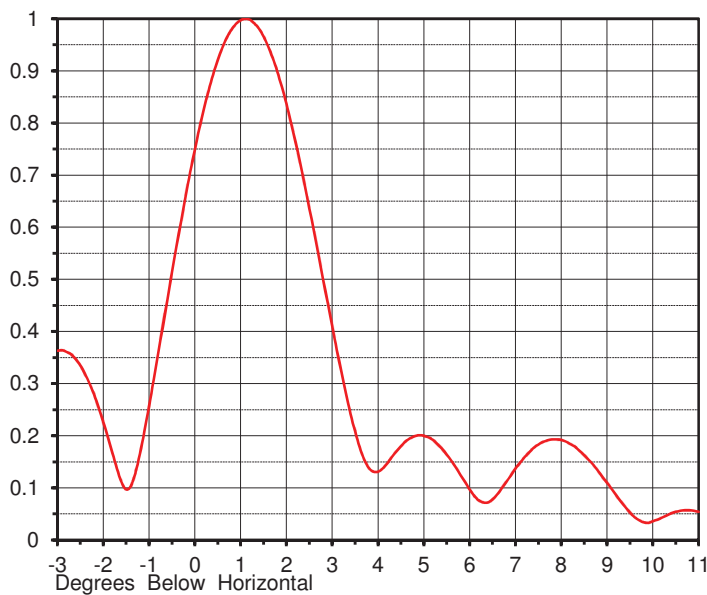
Predicted Principal Community 48 dBu
 F(50,90) Coverage Contour

ELEVATION PATTERN

Proposal No. **C-70152**
 Date **21-Mar-17**
 Call Letters **WVAH**
 Channel **24**
 Frequency **533 MHz**
 Antenna Type **TUC-05-10/50H-1-B**

RMS Directivity at Main Lobe **20.2 (13.06 dB)**
 RMS Directivity at Horizontal **12.6 (11.00 dB)**
Calculated

Beam Tilt **1.00 deg**
 Pattern Number **1.00E+02**



Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.080	10.0	0.039	30.0	0.094	50.0	0.018	70.0	0.020
-9.0	0.158	11.0	0.051	31.0	0.071	51.0	0.015	71.0	0.015
-8.0	0.134	12.0	0.030	32.0	0.041	52.0	0.010	72.0	0.030
-7.0	0.032	13.0	0.096	33.0	0.015	53.0	0.025	73.0	0.047
-6.0	0.052	14.0	0.093	34.0	0.013	54.0	0.040	74.0	0.062
-5.0	0.046	15.0	0.030	35.0	0.020	55.0	0.045	75.0	0.074
-4.0	0.250	16.0	0.040	36.0	0.013	56.0	0.039	76.0	0.082
-3.0	0.364	17.0	0.034	37.0	0.016	57.0	0.025	77.0	0.086
-2.0	0.197	18.0	0.040	38.0	0.032	58.0	0.009	78.0	0.088
-1.0	0.307	19.0	0.085	39.0	0.034	59.0	0.008	79.0	0.088
0.0	0.790	20.0	0.077	40.0	0.020	60.0	0.012	80.0	0.085
1.0	1.000	21.0	0.028	41.0	0.008	61.0	0.007	81.0	0.081
2.0	0.801	22.0	0.018	42.0	0.015	62.0	0.007	82.0	0.076
3.0	0.365	23.0	0.008	43.0	0.010	63.0	0.024	83.0	0.072
4.0	0.137	24.0	0.041	44.0	0.011	64.0	0.042	84.0	0.067
5.0	0.197	25.0	0.080	45.0	0.028	65.0	0.055	85.0	0.062
6.0	0.085	26.0	0.074	46.0	0.035	66.0	0.062	86.0	0.058
7.0	0.148	27.0	0.025	47.0	0.029	67.0	0.061	87.0	0.054
8.0	0.189	28.0	0.051	48.0	0.013	68.0	0.052	88.0	0.050
9.0	0.098	29.0	0.091	49.0	0.010	69.0	0.037	89.0	0.047
								90.0	0.044

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**SUMMARY OF RADIOFREQUENCY
RADIATION STUDY**
WVAH-TV, Charleston, WV
Channel 24, 533 kW, 514.1m HAAT
May, 2017

<u>CALL</u>	<u>SERVICE</u>	<u>CHANNEL</u>	<u>FREQUENCY</u>	<u>POLAR- IZATION</u>	<u>ANTENNA HEIGHT</u>	<u>ERP (kW)</u>	<u>VERT. RELATIVE FIELD FACTOR</u>	<u>WORST-CASE PREDICTED POWER DENSITY ($\mu\text{W}/\text{cm}^2$)</u>	<u>UNCONTROLLED LIMIT ($\mu\text{W}/\text{cm}^2$)</u>	<u>PERCENT OF UNCONTROLLED LIMIT</u>
WVAH-TV	DT	24	533	H	432.1	533.000	0.300	8.664	355.33	2.44%
WCHS-TV	DT	29	563	H	432.1	373.000	0.300	6.063	375.33	1.62%
WOCW-LP (CP)	DT	21	515	H	17.4	6.000	0.300	76.072	343.33	22.16%
WKLC-FM	FM	286	105.1	H & V	404	2.950	1.000	1.220	200.00	0.61%
TOTAL PERCENTAGE OF FCC GUIDELINE VALUE =										26.82%

* For television stations a very conservative vertical relative field factor of 0.3 was assumed pursuant to OET Bulletin 65.



WVAH-TV - CHARLESTON, WEST VIRGINIA Longley-Rice Interference Analysis

tvstudy v2.2.2

Database: localhost, Study: WVAH_24_514H_533K, Model: Longley-Rice

Start: 2017.06.16 15:54:09

Study created: 2017.06.16 15:54:04

Study build station data: LMS TV 2017-06-13 (16)

Proposal: WVAH-TV D24 DT APP CHARLESTON, WV

File number: WVAH_24_514H_533K

Facility ID: 417

Station data: User record

Record ID: 633

Country: U.S.

Zone: I

Non-U.S. records included

Stations potentially affected:

Call	Chan	Svc	Status	City, State	File Number	Distance
WKPI-TV	D23	DT	BL	PIKEVILLE, KY	DTVBL34200	136.2 km
WWHO	D23	DT	BL	CHILLICOTHE, OH	DTVBL21158	167.7
WAPW-CD	D23	DC	BL	ABINGDON, ETC., VA	DTVBL77676	170.4
WGTA	D24	DT	LIC	TOCCOA, GA	BLANK0000001315	442.0
WPTA	D24	DT	LIC	FORT WAYNE, IN	BLCDT20031031AGU	410.2
WNKY	D24	DT	BL	BOWLING GREEN, KY	DTVBL61217	405.6
WKON	D24	DT	BL	OWENTON, KY	DTVBL34211	253.4
WCNC-TV	D24	DT	BL	CHARLOTTE, NC	DTVBL32326	346.4
WEAO	D24	DT	BL	AKRON, OH	DTVBL49421	298.2
WDEM-CD	D24	DC	BL	COLUMBUS, OH	DTVBL54414	198.9
WTAJ-TV	D24	DT	BL	ALTOONA, PA	DTVBL23341	381.8
WETP-TV	D24	DT	BL	SNEEDVILLE, TN	DTVBL18252	251.9
WRLH-TV	D24	DT	BL	RICHMOND, VA	DTVBL412	389.9
WUPX-TV	D25	DT	BL	MOREHEAD, KY	DTVBL23128	161.1
WLFB	D25	DT	BL	BLUEFIELD, WV	DTVBL37806	143.7

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D24

Latitude: 38 24 28.00 N (NAD83)

Longitude: 81 54 12.00 W

Height AMSL: 752.1 m

HAAT: 514.1 m

Peak ERP: 533 kW

Antenna: Omnidirectional

39.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	533 kW	523.6 m	112.9 km

Appendix B - Interference Analysis
WVAH-TV - Charleston, West Virginia
Channel 24 - 533 kW - Page 2

45.0	533	536.7	113.7
90.0	533	495.0	110.8
135.0	533	521.2	112.7
180.0	533	483.2	109.9
225.0	533	488.6	110.3
270.0	533	514.4	112.3
315.0	533	514.5	112.3

Database HAAT does not agree with computed HAAT
 Database HAAT: 514 m Computed HAAT: 510 m

ERP exceeds maximum
 ERP: 533 kW ERP maximum: 488 kW

Proposal service area is within baseline plus 1.0%
 Proposal service area population is more than 95.0% of baseline

Distance to Canadian border: 365.7 km

Distance to Mexican border: 1971.2 km

Conditions at FCC monitoring station: Laurel MD
 Bearing: 77.6 degrees Distance: 448.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
 Bearing: 282.9 degrees Distance: 2010.1 km

Study cell size: 2.00 km
 Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%
 Maximum new IX to LPTV: 2.00%

 Interference to DTVBL34200 BL, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WKPI-TV	D23	DT	BL	PIKEVILLE, KY	DTVBL34200	
Undesireds:	WVAH-TV	D24	DT	BL	CHARLESTON, WV	DTVBL417	136.2 km
	WVAH-TV	D24	DT	APP	CHARLESTON, WV	WVAH_24_514H_533K	136.2
	WKPT-CD	D22	DC	LIC	KINGSPORT, TN	BLDTA20120420ACJ	84.5
	WSAZ-TV	D22	DT	BL	HUNTINGTON, WV	DTVBL36912	138.8
	WKZT-TV	D23	DT	BL	ELIZABETHTOWN, KY	DTVBL34181	295.9
	WBTW	D23	DT	LIC	CHARLOTTE, NC	BLCDT19991025AEB	244.8
	WWHO	D23	DT	BL	CHILLICOTHE, OH	DTVBL21158	261.1
	WFLI-TV	D23	DT	BL	CLEVELAND, TN	DTVBL72060	337.8
	WAPW-CD	D23	DC	BL	ABINGDON, ETC., VA	DTVBL77676	96.9
	WETP-TV	D24	DT	BL	SNEEDVILLE, TN	DTVBL18252	116.2

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
19235.1 470,670	16796.4 410,925	16490.2 405,021	16490.2 405,021	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WVAH-TV D24 DT BL	83.1 1,388	47.5 491	
WVAH-TV D24 DT APP	83.1 1,388	47.5 491	
WKPT-CD D22 DC LIC	23.9 122	4.0 0	
WSAZ-TV D22 DT BL	43.5 305	19.8 17	
WBTW D23 DT LIC	24.1 1,657	16.0 1,657	

Appendix B - Interference Analysis
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WWHO D23 DT BL	115.3	2,478	91.5	1,869	91.5	1,869
WFLI-TV D23 DT BL	8.0	0	0.0	0	0.0	0
WAPW-CD D23 DC BL	44.0	259	20.0	118	20.0	118
WETP-TV D24 DT BL	67.9	855	27.9	592	27.9	592

Interference to DTVBL34200 BL, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WKPI-TV	D23	DT	BL	PIKEVILLE, KY	DTVBL34200	
Undesireds:	WVAH-TV	D24	DT	BL	CHARLESTON, WV	DTVBL417	136.2 km
	WVAH-TV	D24	DT	APP	CHARLESTON, WV	WVAH_24_514H_533K	136.2
	WKPT-CD	D22	DC	LIC	KINGSPORT, TN	BLDTA20120420ACJ	84.5
	WSAZ-TV	D22	DT	BL	HUNTINGTON, WV	DTVBL36912	138.8
	WKZT-TV	D23	DT	BL	ELIZABETHTOWN, KY	DTVBL34181	295.9
	WBTW	D23	DT	LIC	CHARLOTTE, NC	BLCDT19991025AEB	244.8
	WWHO	D23	DT	BL	CHILLICOTHE, OH	DTVBL21158	261.1
	WFLI-TV	D23	DT	BL	CLEVELAND, TN	DTVBL72060	337.8
	WAPW-CD	D23	DC	BL	ABINGDON, ETC., VA	DTVBL77676	96.9
	WETP-TV	D24	DT	BL	SNEEDVILLE, TN	DTVBL18252	116.2

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
19235.1 470,670	16796.4 410,925	16490.2 405,021	16490.2 405,021	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WVAH-TV D24 DT BL	83.1 1,388	47.5 491	
WVAH-TV D24 DT APP	83.1 1,388	47.5 491	
WKPT-CD D22 DC LIC	23.9 122	4.0 0	
WSAZ-TV D22 DT BL	43.5 305	19.8 17	
WBTW D23 DT LIC	24.1 1,657	16.0 1,657	
WWHO D23 DT BL	115.3 2,478	91.5 1,869	
WFLI-TV D23 DT BL	8.0 0	0.0 0	
WAPW-CD D23 DC BL	44.0 259	20.0 118	
WETP-TV D24 DT BL	67.9 855	27.9 592	

Interference to DTVBL21158 BL, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WWHO	D23	DT	BL	CHILLICOTHE, OH	DTVBL21158	
Undesireds:	WVAH-TV	D24	DT	BL	CHARLESTON, WV	DTVBL417	167.7 km
	WVAH-TV	D24	DT	APP	CHARLESTON, WV	WVAH_24_514H_533K	167.7
	WCVN-TV	D22	DT	BL	COVINGTON, KY	DTVBL34204	135.0
	WBGU-TV	D22	DT	BL	BOWLING GREEN, OH	DTVBL6568	184.7
	WSAZ-TV	D22	DT	BL	HUNTINGTON, WV	DTVBL36912	142.5
	WDTI	D23	DT	BL	INDIANAPOLIS, IN	DTVBL7908	266.6
	WKZT-TV	D23	DT	BL	ELIZABETHTOWN, KY	DTVBL34181	317.9
	WKPI-TV	D23	DT	BL	PIKEVILLE, KY	DTVBL34200	261.1
	WNWO-TV	D23	DT	CP	TOLEDO, OH	BLANK0000024772	231.9
	WPXI	D23	DT	BL	PITTSBURGH, PA	DTVBL73910	281.8
	WAPW-CD	D23	DC	BL	ABINGDON, ETC., VA	DTVBL77676	328.6
	WKON	D24	DT	BL	OWENTON, KY	DTVBL34211	188.3
	WDEM-CD	D24	DC	BL	COLUMBUS, OH	DTVBL54414	43.1

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
28080.6 2,879,742	27264.5 2,819,185	26680.0 2,788,323	26676.0 2,788,301	0.01 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WVAH-TV D24 DT BL	87.9 1,486	16.0 185	

Appendix B - Interference Analysis
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WVAH-TV D24 DT APP	91.9	1,508			20.0	207
WSAZ-TV D22 DT BL	155.9	2,819	67.9	1,123	67.9	1,123
WDTI D23 DT BL	19.9	5,747	19.9	5,747	19.9	5,747
WKPI-TV D23 DT BL	95.9	4,595	44.0	3,185	44.0	3,185
WNWO-TV D23 DT CP	40.2	2,314	20.1	1,927	20.1	1,927
WPXI D23 DT BL	344.5	14,214	268.5	12,463	268.5	12,463
WDEM-CD D24 DC BL	12.1	3,347	12.1	3,347	12.1	3,347

Interference to DTVBL21158 BL, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WWHO	D23	DT	BL	CHILLICOTHE, OH	DTVBL21158	
Undesireds:	WVAH-TV	D24	DT	BL	CHARLESTON, WV	DTVBL417	167.7 km
	WVAH-TV	D24	DT	APP	CHARLESTON, WV	WVAH_24_514H_533K	167.7
	WCVN-TV	D22	DT	BL	COVINGTON, KY	DTVBL34204	135.0
	WBGU-TV	D22	DT	BL	BOWLING GREEN, OH	DTVBL6568	184.7
	WSAZ-TV	D22	DT	BL	HUNTINGTON, WV	DTVBL36912	142.5
	WDTI	D23	DT	BL	INDIANAPOLIS, IN	DTVBL7908	266.6
	WKZT-TV	D23	DT	BL	ELIZABETHTOWN, KY	DTVBL34181	317.9
	WKPI-TV	D23	DT	BL	PIKEVILLE, KY	DTVBL34200	261.1
	WNWO-TV	D23	DT	BL	TOLEDO, OH	DTVBL73354	232.0
	WPXI	D23	DT	BL	PITTSBURGH, PA	DTVBL73910	281.8
	WAPW-CD	D23	DC	BL	ABINGDON, ETC., VA	DTVBL77676	328.6
	WKON	D24	DT	BL	OWENTON, KY	DTVBL34211	188.3
	WDEM-CD	D24	DC	BL	COLUMBUS, OH	DTVBL54414	43.1

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
28080.6 2,879,742	27264.5 2,819,185	26680.0 2,788,323	26676.0 2,788,301	0.01 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WVAH-TV D24 DT BL	87.9 1,486	16.0 185	
WVAH-TV D24 DT APP	91.9 1,508		20.0 207
WSAZ-TV D22 DT BL	155.9 2,819	67.9 1,123	67.9 1,123
WDTI D23 DT BL	19.9 5,747	19.9 5,747	19.9 5,747
WKPI-TV D23 DT BL	95.9 4,595	44.0 3,185	44.0 3,185
WNWO-TV D23 DT BL	40.2 2,314	20.1 1,927	20.1 1,927
WPXI D23 DT BL	344.5 14,214	268.5 12,463	268.5 12,463
WDEM-CD D24 DC BL	12.1 3,347	12.1 3,347	12.1 3,347

Interference to DTVBL77676 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL77676 BL, scenario 2
Proposal causes no interference.

Interference to BLANK0000001315 LIC, scenario 1
Proposal causes no interference.

Interference to BLANK0000001315 LIC, scenario 2
Proposal causes no interference.

Interference to BLANK0000001315 LIC, scenario 3
Proposal causes no interference.

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Interference to BLANK0000001315 LIC, scenario 4
Proposal causes no interference.

Interference to BLCDT20031031AGU LIC, scenario 1
Proposal causes no interference.

Interference to BLCDT20031031AGU LIC, scenario 2
Proposal causes no interference.

Interference to BLCDT20031031AGU LIC, scenario 3
Proposal causes no interference.

Interference to BLCDT20031031AGU LIC, scenario 4
Proposal causes no interference.

Interference to DTVBL61217 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL61217 BL, scenario 2
Proposal causes no interference.

Interference to DTVBL34211 BL, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WKON	D24	DT	BL	OWENTON, KY	DTVBL34211	
Undesireds:	WVAH-TV	D24	DT	BL	CHARLESTON, WV	DTVBL417	253.3 km
	WVAH-TV	D24	DT	APP	CHARLESTON, WV	WVAH_24_514H_533K	253.4
	WKZT-TV	D23	DT	BL	ELIZABETHTOWN, KY	DTVBL34181	130.1
	WPTA	D24	DT	LIC	FORT WAYNE, IN	BLCDT20031031AGU	288.2
	WJTS-CD	D24	DC	BL	JASPER, IN	DTVBL168419	180.3
	WNKY	D24	DT	BL	BOWLING GREEN, KY	DTVBL61217	204.7
	WDEM-CD	D24	DC	BL	COLUMBUS, OH	DTVBL54414	222.2
	WETP-TV	D24	DT	BL	SNEEDVILLE, TN	DTVBL18252	278.4
	WUPX-TV	D25	DT	BL	MOREHEAD, KY	DTVBL23128	123.6
Service area		Terrain-limited			IX-free, before	IX-free, after	Percent New IX
12993.3	905,040	12845.1		896,669	12717.5	888,263	-0.00 -0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
WVAH-TV D24 DT BL	79.9	7,503	56.0 2,821
WVAH-TV D24 DT APP	79.9	7,432	56.0 2,750
WPTA D24 DT LIC	12.0	4,363	4.0 12
WJTS-CD D24 DC BL	12.0	36	4.0 36
WNKY D24 DT BL	15.9	140	7.9 30
WETP-TV D24 DT BL	4.0	16	4.0 16
WUPX-TV D25 DT BL	35.7	1,030	23.8 809

Interference to DTVBL32326 BL, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WCNC-TV	D24	DT	BL	CHARLOTTE, NC	DTVBL32326	

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Undesireds:	WVAH-TV	D24	DT	BL	CHARLESTON, WV	DTVBL417	346.4 km
	WVAH-TV	D24	DT	APP	CHARLESTON, WV	WVAH_24_514H_533K	346.4
	WBTB	D23	DT	LIC	CHARLOTTE, NC	BLCDT19991025AEB	2.4
	WAPW-CD	D23	DC	BL	ABINGDON, ETC., VA	DTVBL77676	175.9
	WGTA	D24	DT	LIC	TOCCOA, GA	BLANK0000001315	216.5
	WUBX-CD	D24	DC	BL	DURHAM, ETC., NC	DTVBL70423	220.8
	WWAY	D24	DT	BL	WILMINGTON, NC	DTVBL12033	304.1
	WETP-TV	D24	DT	BL	SNEEDVILLE, TN	DTVBL18252	214.4
	WRLH-TV	D24	DT	BL	RICHMOND, VA	DTVBL412	399.7
	WJZY	D25	DT	BL	BELMONT, NC	DTVBL73152	2.2
	WZRB	D25	DT	BL	COLUMBIA, SC	DTVBL136750	145.7
	WLFB	D25	DT	BL	BLUEFIELD, WV	DTVBL37806	208.3

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
39315.5 3,823,187	37751.6 3,748,097	36571.4 3,682,205	36567.4 3,682,159	0.01 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WVAH-TV D24 DT BL	0.0	0	0
WVAH-TV D24 DT APP	4.0	46	4.0 46
WBTB D23 DT LIC	500.4	36,979	319.6 25,570
WGTA D24 DT LIC	31.8	508	19.9 475
WWAY D24 DT BL	376.1	12,962	364.0 11,318
WETP-TV D24 DT BL	15.9	33	4.0 0
WRLH-TV D24 DT BL	12.0	1,644	0.0 0
WJZY D25 DT BL	436.8	26,696	256.0 15,287
WZRB D25 DT BL	12.0	156	12.0 156

Interference to DTVBL49421 BL, scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: WEAO	D24	DT	BL	AKRON, OH	DTVBL49421	
Undesireds:	WVAH-TV	D24	DT	BL	CHARLESTON, WV	DTVBL417 298.2 km
	WVAH-TV	D24	DT	APP	CHARLESTON, WV	WVAH_24_514H_533K 298.2
	WNWO-TV	D23	DT	CP	TOLEDO, OH	BLANK00000024772 157.7
	WPXI	D23	DT	BL	PITTSBURGH, PA	DTVBL73910 153.5
	WPTA	D24	DT	LIC	FORT WAYNE, IN	BLCDT20031031AGU 297.4
	WPXD-TV	D24	DT	BL	ANN ARBOR, MI	DTVBL5800 208.8
	WPXJ-TV	D24	DT	BL	BATAVIA, NY	DTVBL2325 360.4
	WDEM-CD	D24	DC	BL	COLUMBUS, OH	DTVBL54414 170.7
	WTAJ-TV	D24	DT	BL	ALTOONA, PA	DTVBL23341 274.5
	WXCB-CD	D25	DC	CP	DELAWARE, OH	BLANK00000024707 136.2
	KDKA-TV	D25	DT	LIC	PITTSBURGH, PA	BLCDT20041004ACS 150.8

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
21415.7 3,919,898	21147.0 3,902,076	20532.2 3,809,221	20532.2 3,809,221	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WVAH-TV D24 DT BL	116.2	9,017	64.2 1,480
WVAH-TV D24 DT APP	112.2	8,799	64.2 1,480
WPTA D24 DT LIC	32.1	7,053	4.0 50
WPXD-TV D24 DT BL	342.2	70,206	266.0 50,219
WPXJ-TV D24 DT BL	8.1	253	0.0 0
WTAJ-TV D24 DT BL	224.6	29,445	176.4 20,358
KDKA-TV D25 DT LIC	8.0	300	8.0 300

Interference to DTVBL49421 BL, scenario 2

Call	Chan	Svc	Status	City, State	File Number	Distance
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Desired:	WEO	D24	DT	BL	AKRON, OH	DTVBL49421	
Undesireds:	WVAH-TV	D24	DT	BL	CHARLESTON, WV	DTVBL417	298.2 km
	WVAH-TV	D24	DT	APP	CHARLESTON, WV	WVAH_24_514H_533K	298.2
	WNWO-TV	D23	DT	BL	TOLEDO, OH	DTVBL73354	157.7
	WPXI	D23	DT	BL	PITTSBURGH, PA	DTVBL73910	153.5
	WPTA	D24	DT	LIC	FORT WAYNE, IN	BLCDT20031031AGU	297.4
	WPXD-TV	D24	DT	BL	ANN ARBOR, MI	DTVBL5800	208.8
	WPXJ-TV	D24	DT	BL	BATAVIA, NY	DTVBL2325	360.4
	WDEM-CD	D24	DC	BL	COLUMBUS, OH	DTVBL54414	170.7
	WTAJ-TV	D24	DT	BL	ALTOONA, PA	DTVBL23341	274.5
	WXCB-CD	D25	DC	CP	DELAWARE, OH	BLANK0000024707	136.2
	KDKA-TV	D25	DT	LIC	PITTSBURGH, PA	BLCDT20041004ACS	150.8

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
21415.7 3,919,898	21147.0 3,902,076	20532.2 3,809,221	20532.2 3,809,221	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WVAH-TV D24 DT BL	116.2 9,017	64.2 1,480	
WVAH-TV D24 DT APP	112.2 8,799		64.2 1,480
WPTA D24 DT LIC	32.1 7,053	4.0 50	4.0 50
WPXD-TV D24 DT BL	342.2 70,206	266.0 50,219	266.0 50,219
WPXJ-TV D24 DT BL	8.1 253	0.0 0	0.0 0
WTAJ-TV D24 DT BL	224.6 29,445	176.4 20,358	176.4 20,358
KDKA-TV D25 DT LIC	8.0 300	8.0 300	8.0 300

Interference to DTVBL49421 BL, scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WEO	D24	DT	BL	AKRON, OH	DTVBL49421	
Undesireds:	WVAH-TV	D24	DT	BL	CHARLESTON, WV	DTVBL417	298.2 km
	WVAH-TV	D24	DT	APP	CHARLESTON, WV	WVAH_24_514H_533K	298.2
	WNWO-TV	D23	DT	CP	TOLEDO, OH	BLANK0000024772	157.7
	WPXI	D23	DT	BL	PITTSBURGH, PA	DTVBL73910	153.5
	WPTA	D24	DT	LIC	FORT WAYNE, IN	BLCDT20031031AGU	297.4
	WPXD-TV	D24	DT	BL	ANN ARBOR, MI	DTVBL5800	208.8
	WPXJ-TV	D24	DT	BL	BATAVIA, NY	DTVBL2325	360.4
	WDEM-CD	D24	DC	BL	COLUMBUS, OH	DTVBL54414	170.7
	WTAJ-TV	D24	DT	BL	ALTOONA, PA	DTVBL23341	274.5
	WXCB-CD	D25	DC	BL	DELAWARE, OH	DTVBL59852	136.2
	KDKA-TV	D25	DT	LIC	PITTSBURGH, PA	BLCDT20041004ACS	150.8

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
21415.7 3,919,898	21147.0 3,902,076	20532.2 3,809,221	20532.2 3,809,221	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WVAH-TV D24 DT BL	116.2 9,017	64.2 1,480	
WVAH-TV D24 DT APP	112.2 8,799		64.2 1,480
WPTA D24 DT LIC	32.1 7,053	4.0 50	4.0 50
WPXD-TV D24 DT BL	342.2 70,206	266.0 50,219	266.0 50,219
WPXJ-TV D24 DT BL	8.1 253	0.0 0	0.0 0
WTAJ-TV D24 DT BL	224.6 29,445	176.4 20,358	176.4 20,358
KDKA-TV D25 DT LIC	8.0 300	8.0 300	8.0 300

Interference to DTVBL49421 BL, scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WEO	D24	DT	BL	AKRON, OH	DTVBL49421	

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Undesireds:	WVAH-TV	D24	DT	BL	CHARLESTON, WV	DTVBL417	298.2 km
	WVAH-TV	D24	DT	APP	CHARLESTON, WV	WVAH_24_514H_533K	298.2
	WNWO-TV	D23	DT	BL	TOLEDO, OH	DTVBL73354	157.7
	WPXI	D23	DT	BL	PITTSBURGH, PA	DTVBL73910	153.5
	WPTA	D24	DT	LIC	FORT WAYNE, IN	BLCDDT20031031AGU	297.4
	WPXD-TV	D24	DT	BL	ANN ARBOR, MI	DTVBL5800	208.8
	WPXJ-TV	D24	DT	BL	BATAVIA, NY	DTVBL2325	360.4
	WDEM-CD	D24	DC	BL	COLUMBUS, OH	DTVBL54414	170.7
	WTAJ-TV	D24	DT	BL	ALTOONA, PA	DTVBL23341	274.5
	WXCB-CD	D25	DC	BL	DELAWARE, OH	DTVBL59852	136.2
	KDKA-TV	D25	DT	LIC	PITTSBURGH, PA	BLCDDT20041004ACS	150.8

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
21415.7 3,919,898	21147.0 3,902,076	20532.2 3,809,221	20532.2 3,809,221	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WVAH-TV D24 DT BL	116.2 9,017	64.2 1,480	
WVAH-TV D24 DT APP	112.2 8,799		64.2 1,480
WPTA D24 DT LIC	32.1 7,053	4.0 50	4.0 50
WPXD-TV D24 DT BL	342.2 70,206	266.0 50,219	266.0 50,219
WPXJ-TV D24 DT BL	8.1 253	0.0 0	0.0 0
WTAJ-TV D24 DT BL	224.6 29,445	176.4 20,358	176.4 20,358
KDKA-TV D25 DT LIC	8.0 300	8.0 300	8.0 300

Interference to DTVBL54414 BL, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WDEM-CD	D24	DC	BL	COLUMBUS, OH	DTVBL54414	
Undesireds:	WVAH-TV	D24	DT	BL	CHARLESTON, WV	DTVBL417	198.9 km
	WVAH-TV	D24	DT	APP	CHARLESTON, WV	WVAH_24_514H_533K	198.9
	WWHO	D23	DT	BL	CHILLICOTHE, OH	DTVBL21158	43.1
	WPTA	D24	DT	LIC	FORT WAYNE, IN	BLCDDT20031031AGU	221.4
	WKON	D24	DT	BL	OWENTON, KY	DTVBL34211	222.2
	WPXD-TV	D24	DT	BL	ANN ARBOR, MI	DTVBL5800	280.3
	WEAO	D24	DT	BL	AKRON, OH	DTVBL49421	170.7
	WXCB-CD	D25	DC	CP	DELAWARE, OH	BLANK0000024707	71.8

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
2191.9 1,189,672	2191.9 1,189,672	2151.9 1,184,524	2151.9 1,184,524	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WVAH-TV D24 DT BL	4.0 4,231	4.0 4,231	
WVAH-TV D24 DT APP	4.0 4,231		4.0 4,231
WWHO D23 DT BL	36.0 917	36.0 917	36.0 917

Interference to DTVBL54414 BL, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WDEM-CD	D24	DC	BL	COLUMBUS, OH	DTVBL54414	
Undesireds:	WVAH-TV	D24	DT	BL	CHARLESTON, WV	DTVBL417	198.9 km
	WVAH-TV	D24	DT	APP	CHARLESTON, WV	WVAH_24_514H_533K	198.9
	WWHO	D23	DT	BL	CHILLICOTHE, OH	DTVBL21158	43.1
	WPTA	D24	DT	LIC	FORT WAYNE, IN	BLCDDT20031031AGU	221.4
	WKON	D24	DT	BL	OWENTON, KY	DTVBL34211	222.2
	WPXD-TV	D24	DT	BL	ANN ARBOR, MI	DTVBL5800	280.3
	WEAO	D24	DT	BL	AKRON, OH	DTVBL49421	170.7
	WXCB-CD	D25	DC	BL	DELAWARE, OH	DTVBL59852	71.8

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Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
2191.9 1,189,672	2191.9 1,189,672	2151.9 1,184,524	2151.9 1,184,524	0.00 0.00
Undesired	Total IX	Unique IX, before	Unique IX, after	
WVAH-TV D24 DT BL	4.0 4,231	4.0 4,231		
WVAH-TV D24 DT APP	4.0 4,231		4.0 4,231	
WWHO D23 DT BL	36.0 917	36.0 917	36.0 917	

Interference to DTVBL23341 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL18252 BL, scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: WETP-TV	D24	DT	BL	SNEEDVILLE, TN	DTVBL18252	
Undesireds: WVAH-TV	D24	DT	BL	CHARLESTON, WV	DTVBL417	251.9 km
WVAH-TV	D24	DT	APP	CHARLESTON, WV	WVAH_24_514H_533K	251.9
WKPI-TV	D23	DT	BL	PIKEVILLE, KY	DTVBL34200	116.2
WAPW-CD	D23	DC	BL	ABINGDON, ETC., VA	DTVBL77676	157.0
WHIQ	D24	DT	LIC	HUNTSVILLE, AL	BLANK0000004828	353.7
WGTA	D24	DT	LIC	TOCCOA, GA	BLANK0000001315	197.6
WJTS-CD	D24	DC	BL	JASPER, IN	DTVBL168419	394.7
WNKY	D24	DT	BL	BOWLING GREEN, KY	DTVBL61217	276.8
WKON	D24	DT	BL	OWENTON, KY	DTVBL34211	278.4
WCNC-TV	D24	DT	BL	CHARLOTTE, NC	DTVBL32326	214.4
WUBX-CD	D24	DC	BL	DURHAM, ETC., NC	DTVBL70423	386.3
WDEM-CD	D24	DC	BL	COLUMBUS, OH	DTVBL54414	399.2
WUPX-TV	D25	DT	BL	MOREHEAD, KY	DTVBL23128	174.3
WLFB	D25	DT	BL	BLUEFIELD, WV	DTVBL37806	195.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
36243.1 2,087,353	30477.5 1,825,510	29665.2 1,798,731	29665.3 1,799,097	-0.00 -0.02
Undesired	Total IX	Unique IX, before	Unique IX, after	
WVAH-TV D24 DT BL	556.5 14,008	400.5 9,325		
WVAH-TV D24 DT APP	560.5 13,705		400.5 8,959	
WKPI-TV D23 DT BL	20.0 391	8.0 204	8.0 204	
WAPW-CD D23 DC BL	55.7 3,661	55.7 3,661	55.7 3,661	
WHIQ D24 DT LIC	20.1 4,356	20.1 4,356	20.1 4,356	
WNKY D24 DT BL	147.9 5,369	75.9 1,977	71.9 1,914	
WKON D24 DT BL	72.0 2,260	12.0 190	12.0 190	
WCNC-TV D24 DT BL	48.1 813	36.1 760	36.1 760	
WUPX-TV D25 DT BL	104.0 2,511	36.0 1,338	36.0 1,338	

Interference to DTVBL18252 BL, scenario 2

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: WETP-TV	D24	DT	BL	SNEEDVILLE, TN	DTVBL18252	
Undesireds: WVAH-TV	D24	DT	BL	CHARLESTON, WV	DTVBL417	251.9 km
WVAH-TV	D24	DT	APP	CHARLESTON, WV	WVAH_24_514H_533K	251.9
WKPI-TV	D23	DT	BL	PIKEVILLE, KY	DTVBL34200	116.2
WAPW-CD	D23	DC	BL	ABINGDON, ETC., VA	DTVBL77676	157.0
WHIQ	D24	DT	LIC	HUNTSVILLE, AL	BLANK0000004828	353.7
WGTA	D24	DT	LIC	TOCCOA, GA	BLANK0000001315	197.6
WJTS-CD	D24	DC	BL	JASPER, IN	DTVBL168419	394.7
WNKY	D24	DT	BL	BOWLING GREEN, KY	DTVBL61217	276.8

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WKON	D24	DT	BL	OWENTON, KY	DTVBL34211	278.4
WCNC-TV	D24	DT	BL	CHARLOTTE, NC	DTVBL32326	214.4
WUBX-CD	D24	DC	BL	DURHAM, ETC., NC	DTVBL70423	386.3
WDEM-CD	D24	DC	BL	COLUMBUS, OH	DTVBL54414	399.2
WUPX-TV	D25	DT	BL	MOREHEAD, KY	DTVBL23128	174.3
WLFB	D25	DT	BL	BLUEFIELD, WV	DTVBL37806	195.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
36243.1 2,087,353	30477.5 1,825,510	29665.2 1,798,731	29665.3 1,799,097	-0.00 -0.02

Undesired	Total IX	Unique IX, before	Unique IX, after
WVAH-TV D24 DT BL	556.5 14,008	400.5 9,325	
WVAH-TV D24 DT APP	560.5 13,705		400.5 8,959
WKPI-TV D23 DT BL	20.0 391	8.0 204	8.0 204
WAPW-CD D23 DC BL	55.7 3,661	55.7 3,661	55.7 3,661
WHIQ D24 DT LIC	20.1 4,356	20.1 4,356	20.1 4,356
WNKY D24 DT BL	147.9 5,369	75.9 1,977	71.9 1,914
WKON D24 DT BL	72.0 2,260	12.0 190	12.0 190
WCNC-TV D24 DT BL	48.1 813	36.1 760	36.1 760
WUPX-TV D25 DT BL	104.0 2,511	36.0 1,338	36.0 1,338

Interference to DTVBL18252 BL, scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WETP-TV	D24	DT	BL	SNEEDVILLE, TN	DTVBL18252	
Undesireds:	WVAH-TV	D24	DT	BL	CHARLESTON, WV	DTVBL417	251.9 km
	WVAH-TV	D24	DT	APP	CHARLESTON, WV	WVAH_24_514H_533K	251.9
	WKPI-TV	D23	DT	BL	PIKEVILLE, KY	DTVBL34200	116.2
	WAPW-CD	D23	DC	BL	ABINGDON, ETC., VA	DTVBL77676	157.0
	WHIQ	D24	DT	LIC	HUNTSVILLE, AL	BLANK0000004828	353.7
	WGTA	D24	DT	LIC	TOCCOA, GA	BLANK0000001315	197.6
	WJTS-CD	D24	DC	BL	JASPER, IN	DTVBL168419	394.7
	WNKY	D24	DT	BL	BOWLING GREEN, KY	DTVBL61217	276.8
	WKON	D24	DT	BL	OWENTON, KY	DTVBL34211	278.4
	WCNC-TV	D24	DT	BL	CHARLOTTE, NC	DTVBL32326	214.4
	WUBX-CD	D24	DC	BL	DURHAM, ETC., NC	DTVBL70423	386.3
	WDEM-CD	D24	DC	BL	COLUMBUS, OH	DTVBL54414	399.2
	WUPX-TV	D25	DT	BL	MOREHEAD, KY	DTVBL23128	174.3
	WLFB	D25	DT	BL	BLUEFIELD, WV	DTVBL37806	195.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
36243.1 2,087,353	30477.5 1,825,510	29665.2 1,798,731	29665.3 1,799,097	-0.00 -0.02

Undesired	Total IX	Unique IX, before	Unique IX, after
WVAH-TV D24 DT BL	556.5 14,008	400.5 9,325	
WVAH-TV D24 DT APP	560.5 13,705		400.5 8,959
WKPI-TV D23 DT BL	20.0 391	8.0 204	8.0 204
WAPW-CD D23 DC BL	55.7 3,661	55.7 3,661	55.7 3,661
WHIQ D24 DT LIC	20.1 4,356	20.1 4,356	20.1 4,356
WNKY D24 DT BL	147.9 5,369	75.9 1,977	71.9 1,914
WKON D24 DT BL	72.0 2,260	12.0 190	12.0 190
WCNC-TV D24 DT BL	48.1 813	36.1 760	36.1 760
WUPX-TV D25 DT BL	104.0 2,511	36.0 1,338	36.0 1,338

Interference to DTVBL18252 BL, scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WETP-TV	D24	DT	BL	SNEEDVILLE, TN	DTVBL18252	

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Undesireds:	WVAH-TV	D24	DT	BL	CHARLESTON, WV	DTVBL417	251.9 km
	WVAH-TV	D24	DT	APP	CHARLESTON, WV	WVAH_24_514H_533K	251.9
	WKPI-TV	D23	DT	BL	PIKEVILLE, KY	DTVBL34200	116.2
	WAPW-CD	D23	DC	BL	ABINGDON, ETC., VA	DTVBL77676	157.0
	WHIQ	D24	DT	LIC	HUNTSVILLE, AL	BLANK0000004828	353.7
	WGTA	D24	DT	LIC	TOCCOA, GA	BLANK0000001315	197.6
	WJTS-CD	D24	DC	BL	JASPER, IN	DTVBL168419	394.7
	WNKY	D24	DT	BL	BOWLING GREEN, KY	DTVBL61217	276.8
	WKON	D24	DT	BL	OWENTON, KY	DTVBL34211	278.4
	WCNC-TV	D24	DT	BL	CHARLOTTE, NC	DTVBL32326	214.4
	WUBX-CD	D24	DC	BL	DURHAM, ETC., NC	DTVBL70423	386.3
	WDEM-CD	D24	DC	BL	COLUMBUS, OH	DTVBL54414	399.2
	WUPX-TV	D25	DT	BL	MOREHEAD, KY	DTVBL23128	174.3
	WLFB	D25	DT	BL	BLUEFIELD, WV	DTVBL37806	195.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
36243.1 2,087,353	30477.5 1,825,510	29665.2 1,798,731	29665.3 1,799,097	-0.00 -0.02

Undesired	Total IX	Unique IX, before	Unique IX, after
WVAH-TV D24 DT BL	556.5 14,008	400.5 9,325	
WVAH-TV D24 DT APP	560.5 13,705		400.5 8,959
WKPI-TV D23 DT BL	20.0 391	8.0 204	8.0 204
WAPW-CD D23 DC BL	55.7 3,661	55.7 3,661	55.7 3,661
WHIQ D24 DT LIC	20.1 4,356	20.1 4,356	20.1 4,356
WNKY D24 DT BL	147.9 5,369	75.9 1,977	71.9 1,914
WKON D24 DT BL	72.0 2,260	12.0 190	12.0 190
WCNC-TV D24 DT BL	48.1 813	36.1 760	36.1 760
WUPX-TV D25 DT BL	104.0 2,511	36.0 1,338	36.0 1,338

Interference to DTVBL412 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL412 BL, scenario 2
Proposal causes no interference.

Interference to DTVBL23128 BL, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WUPX-TV	D25	DT	BL	MOREHEAD, KY	DTVBL23128	
Undesireds:	WVAH-TV	D24	DT	BL	CHARLESTON, WV	DTVBL417	161.1 km
	WVAH-TV	D24	DT	APP	CHARLESTON, WV	WVAH_24_514H_533K	161.1
	WKON	D24	DT	BL	OWENTON, KY	DTVBL34211	123.6
	WETP-TV	D24	DT	BL	SNEEDVILLE, TN	DTVBL18252	174.3
	WRTV	D25	DT	LIC	INDIANAPOLIS, IN	BLCDT20090623ACJ	313.6
	WJZY	D25	DT	BL	BELMONT, NC	DTVBL73152	359.0
	WXCB-CD	D25	DC	CP	DELAWARE, OH	BLANK0000024707	303.8
	WYHB-CD	D25	DC	CP	CHATTANOOGA, TN	BLANK0000024558	334.2
	WJFB	D25	DT	BL	LEBANON, TN	DTVBL7651	312.0
	WLFB	D25	DT	BL	BLUEFIELD, WV	DTVBL37806	223.0
	WCPO-TV	D26	DT	BL	CINCINNATI, OH	DTVBL59438	154.9

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
32281.6 1,147,349	30990.7 1,117,604	30423.2 1,102,590	30427.1 1,102,635	-0.01 -0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WVAH-TV D24 DT BL	19.8 667	15.8 582	
WVAH-TV D24 DT APP	15.8 622		11.9 537

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WKON D24 DT BL	36.3	706	12.1	49	12.1	49
WRTV D25 DT LIC	156.3	2,247	96.1	1,202	96.1	1,202
WJFB D25 DT BL	151.9	5,725	135.9	4,359	135.9	4,359
WLFB D25 DT BL	187.1	6,677	159.1	5,425	159.1	5,425
WCPO-TV D26 DT BL	88.3	1,213	76.3	1,176	76.3	1,176

Interference to DTVBL23128 BL, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WUPX-TV	D25	DT	BL	MOREHEAD, KY	DTVBL23128	
Undesireds:	WVAH-TV	D24	DT	BL	CHARLESTON, WV	DTVBL417	161.1 km
	WVAH-TV	D24	DT	APP	CHARLESTON, WV	WVAH_24_514H_533K	161.1
	WKON	D24	DT	BL	OWENTON, KY	DTVBL34211	123.6
	WETP-TV	D24	DT	BL	SNEEDVILLE, TN	DTVBL18252	174.3
	WRTV	D25	DT	LIC	INDIANAPOLIS, IN	BLCDDT20090623ACJ	313.6
	WJZY	D25	DT	BL	BELMONT, NC	DTVBL73152	359.0
	WXCB-CD	D25	DC	BL	DELAWARE, OH	DTVBL59852	303.8
	WYHB-CD	D25	DC	CP	CHATTANOOGA, TN	BLANK0000024558	334.2
	WJFB	D25	DT	BL	LEBANON, TN	DTVBL7651	312.0
	WLFB	D25	DT	BL	BLUEFIELD, WV	DTVBL37806	223.0
	WCPO-TV	D26	DT	BL	CINCINNATI, OH	DTVBL59438	154.9

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
32281.6 1,147,349	30990.7 1,117,604	30423.2 1,102,590	30427.1 1,102,635	-0.01 -0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WVAH-TV D24 DT BL	19.8 667	15.8 582	
WVAH-TV D24 DT APP	15.8 622	11.9 537	
WKON D24 DT BL	36.3 706	12.1 49	
WRTV D25 DT LIC	156.3 2,247	96.1 1,202	
WJFB D25 DT BL	151.9 5,725	135.9 4,359	
WLFB D25 DT BL	187.1 6,677	159.1 5,425	
WCPO-TV D26 DT BL	88.3 1,213	76.3 1,176	

Interference to DTVBL23128 BL, scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WUPX-TV	D25	DT	BL	MOREHEAD, KY	DTVBL23128	
Undesireds:	WVAH-TV	D24	DT	BL	CHARLESTON, WV	DTVBL417	161.1 km
	WVAH-TV	D24	DT	APP	CHARLESTON, WV	WVAH_24_514H_533K	161.1
	WKON	D24	DT	BL	OWENTON, KY	DTVBL34211	123.6
	WETP-TV	D24	DT	BL	SNEEDVILLE, TN	DTVBL18252	174.3
	WRTV	D25	DT	LIC	INDIANAPOLIS, IN	BLCDDT20090623ACJ	313.6
	WJZY	D25	DT	BL	BELMONT, NC	DTVBL73152	359.0
	WXCB-CD	D25	DC	CP	DELAWARE, OH	BLANK0000024707	303.8
	WYHB-CD	D25	DC	BL	CHATTANOOGA, TN	DTVBL167588	334.2
	WJFB	D25	DT	BL	LEBANON, TN	DTVBL7651	312.0
	WLFB	D25	DT	BL	BLUEFIELD, WV	DTVBL37806	223.0
	WCPO-TV	D26	DT	BL	CINCINNATI, OH	DTVBL59438	154.9

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
32281.6 1,147,349	30990.7 1,117,604	30423.2 1,102,590	30427.1 1,102,635	-0.01 -0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WVAH-TV D24 DT BL	19.8 667	15.8 582	
WVAH-TV D24 DT APP	15.8 622	11.9 537	
WKON D24 DT BL	36.3 706	12.1 49	

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WRTV D25 DT LIC	156.3	2,247	96.1	1,202	96.1	1,202
WJFB D25 DT BL	151.9	5,725	135.9	4,359	135.9	4,359
WLFB D25 DT BL	187.1	6,677	159.1	5,425	159.1	5,425
WCPO-TV D26 DT BL	88.3	1,213	76.3	1,176	76.3	1,176

Interference to DTVBL23128 BL, scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WUPX-TV	D25	DT	BL	MOREHEAD, KY	DTVBL23128	
Undesireds:	WVAH-TV	D24	DT	BL	CHARLESTON, WV	DTVBL417	161.1 km
	WVAH-TV	D24	DT	APP	CHARLESTON, WV	WVAH_24_514H_533K	161.1
	WKON	D24	DT	BL	OWENTON, KY	DTVBL34211	123.6
	WETP-TV	D24	DT	BL	SNEEDVILLE, TN	DTVBL18252	174.3
	WRTV	D25	DT	LIC	INDIANAPOLIS, IN	BLCDDT20090623ACJ	313.6
	WJZY	D25	DT	BL	BELMONT, NC	DTVBL73152	359.0
	WXCB-CD	D25	DC	BL	DELAWARE, OH	DTVBL59852	303.8
	WYHB-CD	D25	DC	BL	CHATTANOOGA, TN	DTVBL167588	334.2
	WJFB	D25	DT	BL	LEBANON, TN	DTVBL7651	312.0
	WLFB	D25	DT	BL	BLUEFIELD, WV	DTVBL37806	223.0
	WCPO-TV	D26	DT	BL	CINCINNATI, OH	DTVBL59438	154.9

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
32281.6 1,147,349	30990.7 1,117,604	30423.2 1,102,590	30427.1 1,102,635	-0.01 -0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WVAH-TV D24 DT BL	19.8 667	15.8 582	
WVAH-TV D24 DT APP	15.8 622	11.9 537	
WKON D24 DT BL	36.3 706	12.1 49	
WRTV D25 DT LIC	156.3 2,247	96.1 1,202	
WJFB D25 DT BL	151.9 5,725	135.9 4,359	
WLFB D25 DT BL	187.1 6,677	159.1 5,425	
WCPO-TV D26 DT BL	88.3 1,213	76.3 1,176	

Interference to DTVBL37806 BL, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WLFB	D25	DT	BL	BLUEFIELD, WV	DTVBL37806	
Undesireds:	WVAH-TV	D24	DT	BL	CHARLESTON, WV	DTVBL417	143.8 km
	WVAH-TV	D24	DT	APP	CHARLESTON, WV	WVAH_24_514H_533K	143.7
	WUPX-TV	D25	DT	BL	MOREHEAD, KY	DTVBL23128	223.0
	WJZY	D25	DT	BL	BELMONT, NC	DTVBL73152	206.7
	WUNK-TV	D25	DT	BL	GREENVILLE, NC	DTVBL69149	375.8
	KDKA-TV	D25	DT	LIC	PITTSBURGH, PA	BLCDDT20041004ACS	379.3
	WZRB	D25	DT	BL	COLUMBIA, SC	DTVBL136750	353.8
	WGFX-TV	D26	DT	BL	BURLINGTON, NC	DTVBL65074	178.8

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
29422.4 807,907	25028.1 694,177	24288.9 681,163	24292.9 681,163	-0.02 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WVAH-TV D24 DT BL	221.5 2,152	134.4 1,372	
WVAH-TV D24 DT APP	221.5 2,169	130.5 1,372	
WUPX-TV D25 DT BL	286.2 3,595	179.1 2,600	
WJZY D25 DT BL	314.8 8,182	279.0 7,541	
WUNK-TV D25 DT BL	4.0 157	0.0 0	
KDKA-TV D25 DT LIC	47.4 586	27.7 283	

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Interference to DTVBL37806 BL, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WLFB	D25	DT	BL	BLUEFIELD, WV	DTVBL37806	
Undesireds:	WVAH-TV	D24	DT	BL	CHARLESTON, WV	DTVBL417	143.8 km
	WVAH-TV	D24	DT	APP	CHARLESTON, WV	WVAH_24_514H_533K	143.7
	WUPX-TV	D25	DT	BL	MOREHEAD, KY	DTVBL23128	223.0
	WJZY	D25	DT	BL	BELMONT, NC	DTVBL73152	206.7
	WUNK-TV	D25	DT	BL	GREENVILLE, NC	DTVBL69149	375.8
	KDKA-TV	D25	DT	LIC	PITTSBURGH, PA	BLCDDT20041004ACS	379.3
	WZRB	D25	DT	BL	COLUMBIA, SC	DTVBL136750	353.8
	WGPX-TV	D26	DT	BL	BURLINGTON, NC	DTVBL65074	178.8

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
29422.4 807,907	25028.1 694,177	24288.9 681,163	24292.9 681,163	-0.02 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WVAH-TV D24 DT BL	221.5 2,152	134.4 1,372	
WVAH-TV D24 DT APP	221.5 2,169		130.5 1,372
WUPX-TV D25 DT BL	286.2 3,595	179.1 2,600	179.1 2,600
WJZY D25 DT BL	314.8 8,182	279.0 7,541	279.0 7,541
WUNK-TV D25 DT BL	4.0 157	0.0 0	0.0 0
KDKA-TV D25 DT LIC	47.4 586	27.7 283	27.7 283

Interference to DTVBL37806 BL, scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WLFB	D25	DT	BL	BLUEFIELD, WV	DTVBL37806	
Undesireds:	WVAH-TV	D24	DT	BL	CHARLESTON, WV	DTVBL417	143.8 km
	WVAH-TV	D24	DT	APP	CHARLESTON, WV	WVAH_24_514H_533K	143.7
	WUPX-TV	D25	DT	BL	MOREHEAD, KY	DTVBL23128	223.0
	WJZY	D25	DT	BL	BELMONT, NC	DTVBL73152	206.7
	WUNK-TV	D25	DT	BL	GREENVILLE, NC	DTVBL69149	375.8
	KDKA-TV	D25	DT	LIC	PITTSBURGH, PA	BLCDDT20041004ACS	379.3
	WZRB	D25	DT	BL	COLUMBIA, SC	DTVBL136750	353.8
	WGPX-TV	D26	DT	BL	BURLINGTON, NC	DTVBL65074	178.8

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
29422.4 807,907	25028.1 694,177	24288.9 681,163	24292.9 681,163	-0.02 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WVAH-TV D24 DT BL	221.5 2,152	134.4 1,372	
WVAH-TV D24 DT APP	221.5 2,169		130.5 1,372
WUPX-TV D25 DT BL	286.2 3,595	179.1 2,600	179.1 2,600
WJZY D25 DT BL	314.8 8,182	279.0 7,541	279.0 7,541
WUNK-TV D25 DT BL	4.0 157	0.0 0	0.0 0
KDKA-TV D25 DT LIC	47.4 586	27.7 283	27.7 283

Interference to DTVBL37806 BL, scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WLFB	D25	DT	BL	BLUEFIELD, WV	DTVBL37806	
Undesireds:	WVAH-TV	D24	DT	BL	CHARLESTON, WV	DTVBL417	143.8 km
	WVAH-TV	D24	DT	APP	CHARLESTON, WV	WVAH_24_514H_533K	143.7
	WUPX-TV	D25	DT	BL	MOREHEAD, KY	DTVBL23128	223.0

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WJZY	D25	DT	BL	BELMONT, NC	DTVBL73152	206.7
WUNK-TV	D25	DT	BL	GREENVILLE, NC	DTVBL69149	375.8
KDKA-TV	D25	DT	LIC	PITTSBURGH, PA	BLCDT20041004ACS	379.3
WZRB	D25	DT	BL	COLUMBIA, SC	DTVBL136750	353.8
WGPX-TV	D26	DT	BL	BURLINGTON, NC	DTVBL65074	178.8

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
29422.4 807,907	25028.1 694,177	24288.9 681,163	24292.9 681,163	-0.02 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WVAH-TV D24 DT BL	221.5 2,152	134.4 1,372	
WVAH-TV D24 DT APP	221.5 2,169		130.5 1,372
WUPX-TV D25 DT BL	286.2 3,595	179.1 2,600	179.1 2,600
WJZY D25 DT BL	314.8 8,182	279.0 7,541	279.0 7,541
WUNK-TV D25 DT BL	4.0 157	0.0 0	0.0 0
KDKA-TV D25 DT LIC	47.4 586	27.7 283	27.7 283

Interference to proposal, scenario 1
1.44% interference

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WVAH-TV	D24	DT	APP	CHARLESTON, WV	WVAH_24_514H_533K	
Undesireds:	WKPI-TV	D23	DT	BL	PIKEVILLE, KY	DTVBL34200	136.2 km
	WWHO	D23	DT	BL	CHILLICOTHE, OH	DTVBL21158	167.7
	WAPW-CD	D23	DC	BL	ABINGDON, ETC., VA	DTVBL77676	170.4
	WPTA	D24	DT	LIC	FORT WAYNE, IN	BLCDT20031031AGU	410.2
	WNKY	D24	DT	BL	BOWLING GREEN, KY	DTVBL61217	405.6
	WKON	D24	DT	BL	OWENTON, KY	DTVBL34211	253.4
	WCNC-TV	D24	DT	BL	CHARLOTTE, NC	DTVBL32326	346.4
	WUBX-CD	D24	DC	BL	DURHAM, ETC., NC	DTVBL70423	372.6
	WEAO	D24	DT	BL	AKRON, OH	DTVBL49421	298.2
	WDEM-CD	D24	DC	BL	COLUMBUS, OH	DTVBL54414	198.9
	WTAJ-TV	D24	DT	BL	ALTOONA, PA	DTVBL23341	381.8
	WETP-TV	D24	DT	BL	SNEEDVILLE, TN	DTVBL18252	251.9
	WRLH-TV	D24	DT	BL	RICHMOND, VA	DTVBL412	389.9
	WUPX-TV	D25	DT	BL	MOREHEAD, KY	DTVBL23128	161.1
	WLFB	D25	DT	BL	BLUEFIELD, WV	DTVBL37806	143.7

Service area	Terrain-limited	IX-free	Percent IX
39340.0 1,373,555	37126.5 1,295,383	36685.0 1,276,721	1.19 1.44

Undesired	Total IX	Unique IX	Prcnt Unique IX
WKPI-TV D23 DT BL	51.7 2,699	39.7 2,444	0.11 0.19
WWHO D23 DT BL	4.0 128	4.0 128	0.01 0.01
WKON D24 DT BL	11.9 159	4.0 0	0.01 0.00
WCNC-TV D24 DT BL	11.9 155	7.9 122	0.02 0.01
WEAO D24 DT BL	83.7 10,195	79.7 10,135	0.21 0.78
WTAJ-TV D24 DT BL	16.0 182	12.0 122	0.03 0.01
WETP-TV D24 DT BL	111.3 3,605	79.5 2,946	0.21 0.23
WRLH-TV D24 DT BL	4.0 119	0.0 0	0.00 0.00
WUPX-TV D25 DT BL	15.8 181	11.9 181	0.03 0.01
WLFB D25 DT BL	186.9 2,351	151.2 1,554	0.41 0.12