

ENGINEERING EXHIBIT

Application to Modify Digital Television Station Construction Permit prepared for

Gray Television Licensee, LLC
WSAZ-DT Huntington, WV
Facility ID 36912
Ch. 23 724 kW 367 m

Gray Television Licensee, LLC (“Gray”) is the licensee of television station WSAZ-TV, analog Channel 3, Huntington, WV. Gray is authorized by a “maximized” Construction Permit (“CP”, BMPCDT-20080619AAD) to operate the paired WSAZ-DT digital Channel 23 facility at 1000 kW effective radiated power (“ERP”) and an antenna height above average terrain (“HAAT”) of 390 meters with a top-mount nondirectional antenna. WSAZ-DT will remain on its current digital Channel 23 for the post-transition period, as established in Appendix B of the Seventh Report and Order in MB Docket 87-278.

WSAZ-DT is currently operating on Channel 23 under Special Temporary Authority (“STA”) with a side mount antenna having an ERP of 724 kW and 364 meters antenna HAAT (BMDSTA-20050429AFH, as extended). The top-mount Channel 23 facility specified in the CP would require installation of a new antenna in place of the existing top-mounted analog Channel 3 transmitting antenna. Gray has determined that construction of the top-mount Channel 23 facility pursuant to the CP would require substantial tower modifications at considerable expense. Gray herein seeks to modify the CP in order to license the current side-mount STA operation as its permanent facility, in lieu of constructing the top-mount facility. The proposed WSAZ-DT facility is for use during the pre-transition and post-transition periods.

The proposed digital Channel 23 operation will employ the existing non-directional antenna system authorized by STA. The antenna is a horizontally polarized Dielectric model TFU-20DSC-R O4. The Channel 23 antenna is side-mounted on the existing WSAZ-TV antenna supporting structure, having FCC Antenna Structure Registration (“ASR”) number 1035121. No

change to the overall structure height and no tower work are required to carry out this proposal. No change in antenna height above ground level or above mean sea level is proposed, however the antenna HAAT is recalculated as 367 meters based on the use of USGS 3 arc-second digitized terrain data.

A map is supplied as **Figure 1**, which depicts the standard predicted coverage contours. This map includes the boundaries of Huntington, WSAZ-DT's principal community. As demonstrated thereon, the proposed facility complies with §73.625(a)(1), as the entire principal community will be encompassed by the 48 dBμ contour.

The proposed WSAZ-DT facility's predicted service population provides a 94.9 percent match of the Appendix B facility, as detailed in the table below.

Post-Transition Population Summary

Population Summary (2000 Census) OET Bulletin 69 method	Appendix B	Proposed
Within Noise Limited Contour	1,252,141	1,191,968
Not affected by terrain losses	1,188,939	1,125,654
Lost to all interference	6,629	3,763
Net DTV Service	1,182,310	1,121,891
Match of Appendix B	---	94.89%

The proposal falls 0.11 percent short of achieving the FCC's target of at least a 95 percent match of the Appendix B population. The Appendix B facility parameters for WSAZ-DT specify 724 kW ERP at 402 meters HAAT, which represents the same ERP as proposed herein but with a 35 meter difference in antenna HAAT. In support of grant of the instant application, **Figure 2** is supplied to demonstrate that the proposed WSAZ-DT facility's dipole factor-adjusted service contour encompasses all of the area within the WSAZ analog Channel 3 Grade B contour. The WSAZ-TV analog service population is 1,003,602 persons (2000 census, OET Bulletin 69 method), and the 1,121,891 population achieved by the proposed WSAZ-DT represents a 111.8 percent match of the analog service. Thus, no loss in service to any of the analog Grade B area will result and there will be no change from existing digital service.

The proposed ERP / HAAT combination exceeds the allotment value for the pre-transition period (444.5 kW / 388 m from Appendix B of the Sixth Report and Order in MB Docket 87-278). Interference analysis per OET Bulletin 69¹ shows that the proposal complies with the Commission's 2% / 10% *de minimis* interference limits for operation during the transition, as summarized in **Table 1**. Protection requirements towards authorized Class A stations are satisfied. Thus, this proposal complies with the provisions of §73.623(c)(2) of the Commission's rules for pre-transition operation.

Regarding impact to post-transition operations, since no extension in contour location beyond that of the 2007 Appendix B (Seventh R&O) allotment will result, interference analysis to other post-transition television facilities is not required.

The nearest FCC monitoring station is 352 km distant at Laurel, MD. This exceeds the threshold minimum distances specified in §73.1030(c)(3) that would suggest consideration of the monitoring station. The site is not located within the areas requiring coordination with "quiet" zones specified in §73.1030(a) and (b). There are no AM stations within 3.2 kilometers of the site, based on information contained within the Commission's database. The site location is within the Canadian coordination zone (352 km to the Canada border), however further international coordination is not necessary for the proposed facility reduction.

Human Exposure to Radiofrequency Electromagnetic Field (Environmental)

The proposed transmitting antenna's installation will involve a reduction in overall tower height. Since no increase in height is proposed, it is believed that this application may be categorically excluded from environmental processing pursuant to §1.1306 of the Commission's rules.

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

The proposed operation was evaluated for human exposure to RF energy using the procedures outlined in the Commission's OET Bulletin Number 65. Based on OET-65 equation (10), and considering 15 percent antenna relative field in downward elevations (pattern data shows less than 10 percent relative field at angles 15 to 90 degrees below the antenna), the calculated signal density near the tower at two meters above ground level attributable to the proposed facility is $3.1 \mu\text{W}/\text{cm}^2$, which is 0.9 percent of the general population/uncontrolled maximum permitted exposure limit. This is well below the five percent threshold limit described in §1.1307(b) regarding sites with multiple emitters, categorically excluding the applicant from responsibility for taking any corrective action in the areas where the proposal's contribution is less than five percent.

The general public will not be exposed to RF levels attributable to the proposal in excess of the FCC's guidelines. RF exposure warning signs will continue to be posted. With respect to worker safety, the applicant will coordinate exposure procedures with all pertinent stations and will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from RF electromagnetic field exposure in excess of FCC guidelines.

Certification

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



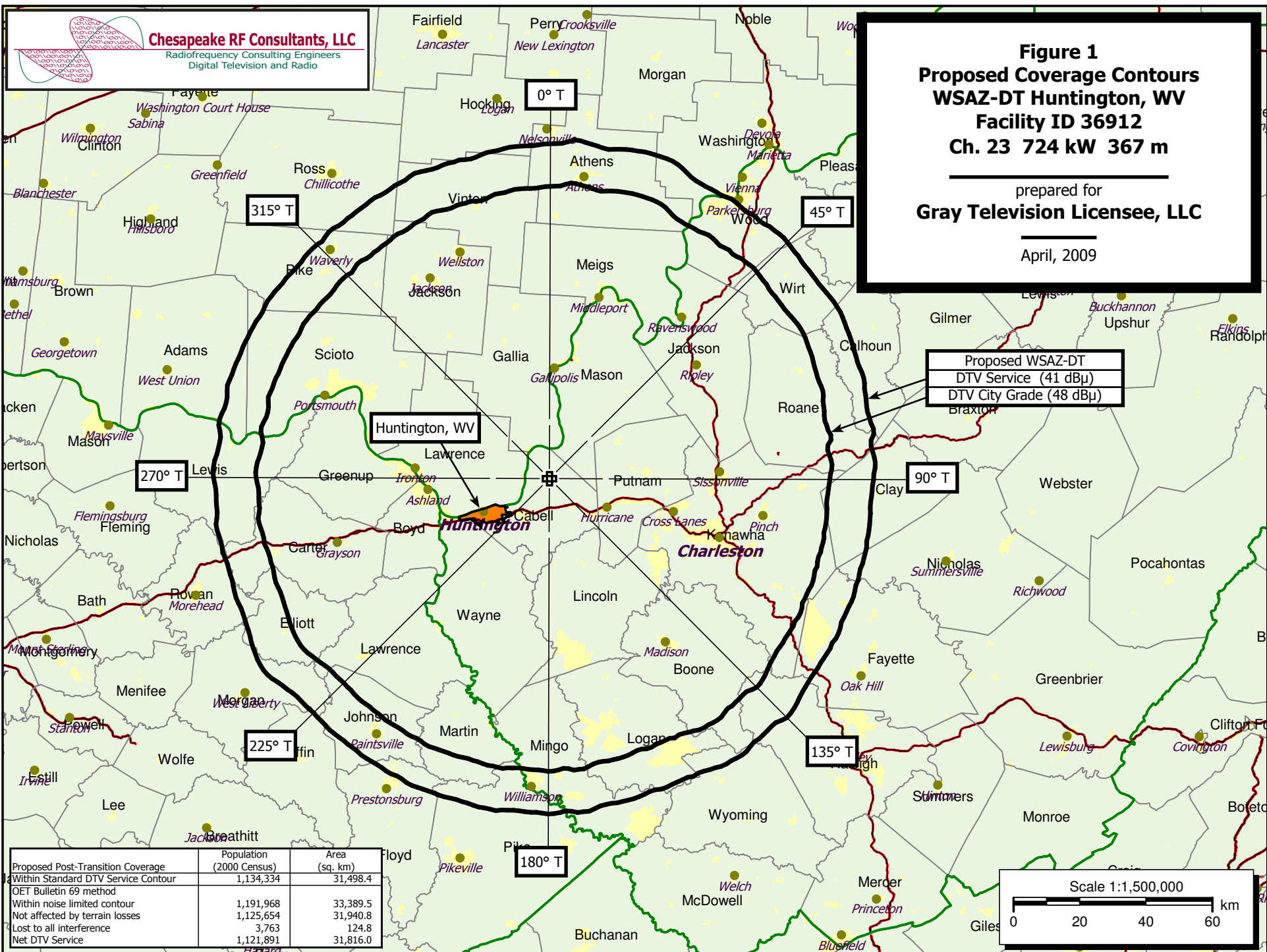
Joseph M. Davis, P.E.
April 15, 2009

Chesapeake RF Consultants, LLC
11993 Kahns Road
Manassas, VA 20112
703-650-9600

List of Attachments

Figure 1	Proposed Coverage Contours
Figure 2	Coverage Contour Comparison
Table 1	Pre-Transition OET Bulletin 69 Interference Study
Form 301	Saved Version of Engineering Sections from FCC Form at Time of Upload

This material was entered April 15, 2009 for filing electronically. Since the FCC's electronic filing system may be accessed by anyone with the applicant's name and password, and electronic data may otherwise be altered in an unauthorized fashion, we cannot be responsible for changes made subsequent to our entry of this data and related attachments.



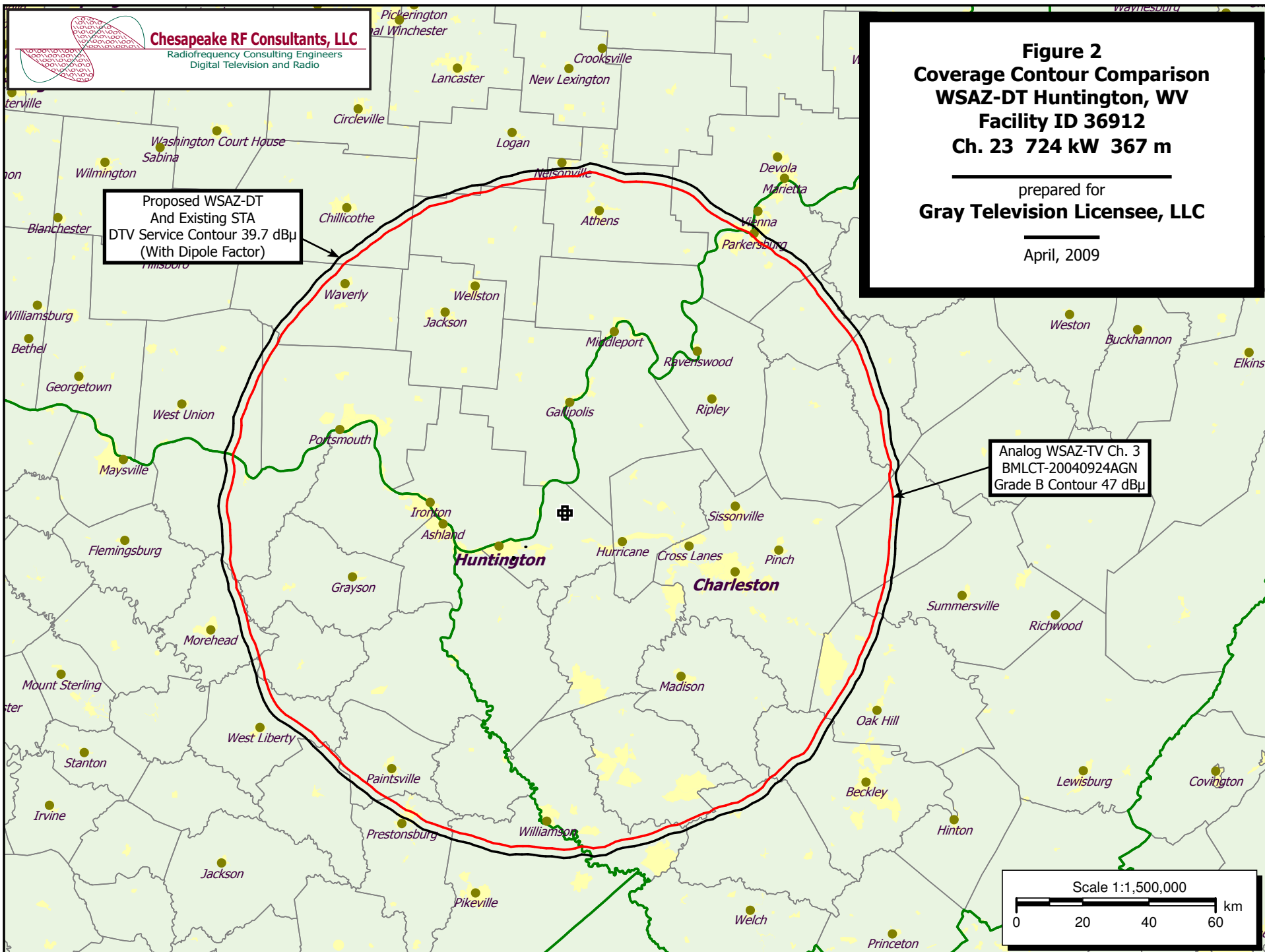


Table 1 WSAZ-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 1 of 35)

Census data selected 1990

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 04-15-2009 Time: 14:35:07

Record Selected for Analysis

WSAZ-TV USERRECORD-01 HUNTINGTON WV US
Channel 23 ERP 724. kW HAAT 366. m RCAMSL 00589 m
Latitude 038-30-36 Longitude 0082-13-10
Status APP Zone 1 Border
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility meets maximum height/power limits

Azimuth (Deg)	ERP (kW)	HAAT (m)	41.0 dBu F(50,90) (km)
0.0	724.000	373.3	100.8
45.0	724.000	374.7	100.9
90.0	724.000	332.5	97.4
135.0	724.000	380.6	101.4
180.0	724.000	373.1	100.8
225.0	724.000	363.4	100.0
270.0	724.000	374.9	100.9
315.0	724.000	353.9	99.3

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quite zone

Proposed facility OK toward Table Mountain

Proposed facility is within the Canadian coordination distance
Distance to border = 352.3km

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Table 1 WSAZ-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 2 of 35)

Start of Interference Analysis

Channel	Call	City/State	ARN
23	WSAZ-TV	HUNTINGTON WV	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	WTAP-TV	PARKERSBURG WV	109.1	APP	BSTA	-20071231ABX
15	WTAP-TV	PARKERSBURG WV	109.1	LIC	BLCT	-20040416ACM
20	WOUB-TV	ATHENS OH	89.6	LIC	BMLET	-20020807ACG
22	WLEX-DT	LEXINGTON KY	203.9	PLN	DTVPLN	-DTVP0483
22	WKPI-TV	PIKEVILLE KY	138.8	LIC	BMLET	-19830426KN
23	WNDY-TV	MARION IN	367.9	LIC	BLCT	-19990430KE
23	WKZT-TV	ELIZABETHTOWN KY	330.0	LIC	BLCT	-19830404KF
23	WBTW-DT	CHARLOTTE NC	361.5	PLN	DTVPLN	-DTVP0529
23	WVPX	AKRON OH	289.1	LIC	BLCT	-20010627ABZ
23	WVPX	AKRON OH	289.1	APP	BSTA	-20080318ACG
23	WVPX	AKRON OH	289.1	CP	BPCDT	-20070625ACA
23	WPMC-DT	JELLICO TN	290.4	PLN	DTVPLN	-DTVP0542
23	WPXK	JELLICO TN	312.4	LIC	BLCT	-20020510AAJ
24	WCVN-DT	COVINGTON KY	206.5	PLN	DTVPLN	-DTVP0568
24	WKPI-DT	PIKEVILLE KY	138.8	PLN	DTVPLN	-DTVP0569
24	WSFJ-TV	NEWARK OH	179.1	LIC	BLCT	-20060620ABC
24	WSFJ-DT	NEWARK OH	160.7	PLN	DTVPLN	-DTVP0580
25	WKAS	ASHLAND KY	35.3	LIC	BLCT	-423
30	WQCW	PORTSMOUTH OH	78.3	LIC	BLCT	-19981116KI

Analysis of Interference to Affected Station 1

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
15	WTAPT	PARKERSBURG WV	DTVPLN	-NPLN0943

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WCMH-DT	COLUMBUS OH	142.9	PLN	DTVPLN	-DTVP0145
15	WANETV	FORT WAYNE IN	362.8	PLN	DTVPLN	-NPLN0921
15	WKPCTV	LOUISVILLE KY	385.0	PLN	DTVPLN	-NPLN0923
15	WKMR-DT	MOREHEAD KY	205.9	PLN	DTVPLN	-DTVP0169
15	WEWS-DT	CLEVELAND OH	225.4	PLN	DTVPLN	-DTVP0184
15	WPSX-DT	CLEARFIELD PA	330.3	PLN	DTVPLN	-DTVP0188
15	WTMW-DT	ARLINGTON VA	389.2	PLN	DTVPLN	-DTVP0200
15	WBRA-TV	ROANOKE VA	269.2	PLN	DTVPLN	-NPLN0939
16	WQEX	PITTSBURGH PA	183.0	PLN	DTVPLN	-NPLN0963
18	WHIZ-TV	ZANESVILLE OH	73.7	PLN	DTVPLN	-NPLN1028
19	WVAH-DT	CHARLESTON WV	107.8	PLN	DTVPLN	-DTVP0382
22	WPTT-TV	PITTSBURGH PA	198.6	PLN	DTVPLN	-NPLN1153
23	WSAZ-DT	HUNTINGTON WV	109.2	PLN	DTVPLN	-DTVP0550
29	WKRPTV	CHARLESTON WV	99.5	PLN	DTVPLN	-NPLN1371
30	WUXA	PORTSMOUTH OH	144.7	PLN	DTVPLN	-NPLN1386

Results for: 15N WV PARKERSBURG DTVPLN NPLN0943 PLN

Table 1 WSAZ-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 3 of 35)

	POPULATION	AREA (sq km)
within Noise Limited Contour	284260	9593.1
not affected by terrain losses	272805	9303.2
lost to NTSC IX	1721	116.7
lost to additional IX by ATV	21771	640.1
lost to all IX	23492	756.8

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
15	WTAP-TV	PARKERSBURG WV	BSTA	-20071231ABX

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WCMH-DT	COLUMBUS OH	142.9	PLN	DTVPLN	-DTVP0145
15	WANE-TV	FORT WAYNE IN	362.8	LIC	BLCT	-20020326AAR
15	WKPC-TV	LOUISVILLE KY	385.0	LIC	BLET	-19981105KE
15	WKMR-DT	MOREHEAD KY	205.9	PLN	DTVPLN	-DTVP0169
15	WEWS-DT	CLEVELAND OH	225.4	PLN	DTVPLN	-DTVP0184
15	WPSU-TV	CLEARFIELD PA	330.2	CP MOD	BMPEDT	-20030527ADP
15	WPSX-DT	CLEARFIELD PA	330.3	PLN	DTVPLN	-DTVP0188
15	WTMW-DT	ARLINGTON VA	389.2	PLN	DTVPLN	-DTVP0200
15	WFDC-TV	ARLINGTON VA	389.2	LIC	BLCDT	-20070215AAB
15	WBRA-TV	ROANOKE VA	269.2	LIC	BLET	-19901107KE
19	WVAH-TV	CHARLESTON WV	108.7	CP MOD	BMPEDT	-20040406AAX
19	WVAH-DT	CHARLESTON WV	107.8	PLN	DTVPLN	-DTVP0382
22	WPMY	PITTSBURGH PA	198.6	LIC	BLCT	-20000724ABO
23	WSAZ-DT	HUNTINGTON WV	109.2	PLN	DTVPLN	-DTVP0550
29	WLPX-TV	CHARLESTON WV	99.5	LIC	BLCT	-19990426AAA
30	WQCW	PORTSMOUTH OH	144.7	LIC	BLCT	-19981116KI
23	WSAZ-TV	HUNTINGTON WV	109.1	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
15	WTAP-TV	PARKERSBURG WV	BLCT	-20040416ACM

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WCMH-DT	COLUMBUS OH	142.9	PLN	DTVPLN	-DTVP0145
15	WANE-TV	FORT WAYNE IN	362.8	LIC	BLCT	-20020326AAR
15	WKPC-TV	LOUISVILLE KY	385.0	LIC	BLET	-19981105KE
15	WKMR-DT	MOREHEAD KY	205.9	PLN	DTVPLN	-DTVP0169
15	WEWS-DT	CLEVELAND OH	225.4	PLN	DTVPLN	-DTVP0184
15	WPSU-TV	CLEARFIELD PA	330.2	CP MOD	BMPEDT	-20030527ADP
15	WPSX-DT	CLEARFIELD PA	330.3	PLN	DTVPLN	-DTVP0188
15	WTMW-DT	ARLINGTON VA	389.2	PLN	DTVPLN	-DTVP0200
15	WFDC-TV	ARLINGTON VA	389.2	LIC	BLCDT	-20070215AAB
15	WBRA-TV	ROANOKE VA	269.2	LIC	BLET	-19901107KE
19	WVAH-TV	CHARLESTON WV	108.7	CP MOD	BMPEDT	-20040406AAX
19	WVAH-DT	CHARLESTON WV	107.8	PLN	DTVPLN	-DTVP0382
22	WPMY	PITTSBURGH PA	198.6	LIC	BLCT	-20000724ABO
23	WSAZ-DT	HUNTINGTON WV	109.2	PLN	DTVPLN	-DTVP0550

Table 1 WSAZ-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 4 of 35)

29	WLPX-TV	CHARLESTON WV	99.5	LIC	BLCT	-19990426AAA
30	WQCW	PORTSMOUTH OH	144.7	LIC	BLCT	-19981116KI
23	WSAZ-TV	HUNTINGTON WV	109.1	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 3

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
20	WOUBTV	ATHENS OH	DTVPLN	-NPLN1087

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	WUXA-DT	PORTSMOUTH OH	99.9	PLN	DTVPLN	-DTVP0275
18	WHIZTV	ZANESVILLE OH	69.7	PLN	DTVPLN	-NPLN1028
19	WVAH-DT	CHARLESTON WV	101.1	PLN	DTVPLN	-DTVP0382
20	WFYI	INDIANAPOLIS IN	353.0	PLN	DTVPLN	-NPLN1080
20	WXON	DETROIT MI	365.6	PLN	DTVPLN	-NPLN1083
20	WLIO-DT	LIMA OH	232.2	PLN	DTVPLN	-DTVP0413
20	WFMJ-DT	YOUNGSTOWN OH	234.3	PLN	DTVPLN	-DTVP0414
20	WINT	CROSSVILLE TN	404.9	PLN	DTVPLN	-NPLN1090
20	WJPR-DT	LYNCHBURG VA	311.7	PLN	DTVPLN	-DTVP0422
21	WAOM-DT	MOREHEAD KY	156.1	PLN	DTVPLN	-DTVP0440
21	WBNS-DT	COLUMBUS OH	104.9	PLN	DTVPLN	-DTVP0452
23	WSAZ-DT	HUNTINGTON WV	89.6	PLN	DTVPLN	-DTVP0550
24	WSFJ-DT	NEWARK OH	73.9	PLN	DTVPLN	-DTVP0580
27	WOUB-DT	ATHENS OH	0.0	PLN	DTVPLN	-DTVP0683
28	WTTE	COLUMBUS OH	114.9	PLN	DTVPLN	-NPLN1336
34	WOSUTV	COLUMBUS OH	115.0	PLN	DTVPLN	-NPLN1479
34	WPBY-DT	HUNTINGTON WV	91.2	PLN	DTVPLN	-DTVP0961
35	WOUC-DT	CAMBRIDGE OH	113.5	PLN	DTVPLN	-DTVP0987

Results for: 20N OH ATHENS		DTVPLN	NPLN1087	PLN
		POPULATION	AREA (sq km)	
within Noise Limited Contour		492349	14407.8	
not affected by terrain losses		475466	14029.3	
lost to NTSC IX		18968	314.1	
lost to additional IX by ATV		13278	418.8	
lost to all IX		32246	732.9	

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
20	WOUB-TV	ATHENS OH	BMLET	-20020807ACG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	WUXA-DT	PORTSMOUTH OH	99.8	PLN	DTVPLN	-DTVP0275
19	WVAH-TV	CHARLESTON WV	103.0	CP MOD	BMPEDT	-20040406AAX
19	WVAH-DT	CHARLESTON WV	101.2	PLN	DTVPLN	-DTVP0382
20	WFYI	INDIANAPOLIS IN	352.9	LIC	BLET	-19810825KE
20	NEW	LEXINGTON KY	249.6	ADD	BPRM	-20000717ADO
20	WMYD	DETROIT MI	358.8	LIC	BLCT	-20040810AAC
20	WLIO-DT	LIMA OH	232.1	PLN	DTVPLN	-DTVP0413
20	WFMJ-TV	YOUNGSTOWN OH	234.4	CP	BPCDT	-19991027AAV

Table 1 WSAZ-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 5 of 35)

20	WFMJ-DT	YOUNGSTOWN OH	234.3	PLN	DTVPLN	-DTVP0414
20	WBXX-TV	CROSSVILLE TN	404.9	LIC	BLCT	-19971028KE
20	WJPR-DT	LYNCHBURG VA	311.9	PLN	DTVPLN	-DTVP0422
20	WWCW	LYNCHBURG VA	311.9	CP MOD	BMPCDT	-20080619AJT
21	WUPX-TV	MOREHEAD KY	202.7	LIC	BLCDT	-20040901ACJ
21	WAOM-DT	MOREHEAD KY	156.1	PLN	DTVPLN	-DTVP0440
21	WBNS-DT	COLUMBUS OH	104.8	PLN	DTVPLN	-DTVP0452
21	WBNS-TV	COLUMBUS OH	104.8	LIC	BLCDT	-20021025ABK
23	WSAZ-DT	HUNTINGTON WV	89.7	PLN	DTVPLN	-DTVP0550
24	WSFJ-TV	NEWARK OH	96.9	LIC	BLCDT	-20060620ABC
24	WSFJ-DT	NEWARK OH	73.8	PLN	DTVPLN	-DTVP0580
27	WOUB-TV	ATHENS OH	0.0	LIC	BLEDT	-20030411ABC
27	WOUB-DT	ATHENS OH	0.1	PLN	DTVPLN	-DTVP0683
28	WTTE	COLUMBUS OH	101.8	LIC	BLCT	-20030825ALW
34	WOSU-TV	COLUMBUS OH	114.8	LIC	BMLET	-19851106KE
34	WPBY-DT	HUNTINGTON WV	91.2	PLN	DTVPLN	-DTVP0961
35	WOUC-TV	CAMBRIDGE OH	113.6	LIC	BLEDT	-20050427AAB
35	WOUC-DT	CAMBRIDGE OH	113.6	PLN	DTVPLN	-DTVP0987
23	WSAZ-TV	HUNTINGTON WV	89.6	APP	USERRECORD-01	

Total scenarios = 48

Result key: 1
Scenario 1 Affected station 3
Before Analysis

Results for: 20N OH ATHENS		BMLET	20020807ACG	LIC
		POPULATION	AREA (sq km)	
within Noise Limited Contour		490096	14291.0	
not affected by terrain losses		476756	13993.0	
lost to NTSC IX		8975	88.6	
lost to additional IX by ATV		26944	736.9	
lost to all IX		35919	825.5	

Potential Interfering Stations Included in above Scenario 1

20N IN INDIANAPOLIS	BLET	19810825KE	LIC
34N OH COLUMBUS	BMLET	19851106KE	LIC
19A WV CHARLESTON	BMPCDT	20040406AAX	CP
20A OH LIMA	DTVPLN	DTVP0413	PLN
20A OH YOUNGSTOWN	BPCDT	19991027AAV	CP
21A OH COLUMBUS	DTVPLN	DTVP0452	PLN
24A OH NEWARK	BLCDT	20060620ABC	LIC
23A WV HUNTINGTON	DTVPLN	DTVP0550	PLN

After Analysis

Results for: 20N OH ATHENS		BMLET	20020807ACG	LIC
		POPULATION	AREA (sq km)	
within Noise Limited Contour		490096	14291.0	
not affected by terrain losses		476756	13993.0	
lost to NTSC IX		8975	88.6	
lost to additional IX by ATV		27054	749.0	
lost to all IX		36029	837.6	

Potential Interfering Stations Included in above Scenario 1

20N IN INDIANAPOLIS	BLET	19810825KE	LIC
34N OH COLUMBUS	BMLET	19851106KE	LIC
19A WV CHARLESTON	BMPCDT	20040406AAX	CP
20A OH LIMA	DTVPLN	DTVP0413	PLN

Table 1 WSAZ-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 6 of 35)

20A OH YOUNGSTOWN	BPCDT	19991027AAV	CP
21A OH COLUMBUS	DTVPLN	DTVP0452	PLN
24A OH NEWARK	BLCDT	20060620ABC	LIC
23A WV HUNTINGTON	USERRECORD01		APP

Percent new IX = 0.0224%

Worst case new IX 0.0224% Scenario 1

#####

Analysis of Interference to Affected Station 4

DTV Baseline Analysis			
Channel	Call	City/State	Application Ref. No.
22	WLEX-DT	LEXINGTON KY	DTVPLN -DTVP0483

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
21	WBNA	LOUISVILLE KY	111.0	PLN	DTVPLN -NPLN1108
21	WAOM-DT	MOREHEAD KY	99.7	PLN	DTVPLN -DTVP0440
22	WSBTTV	SOUTH BEND IN	421.4	PLN	DTVPLN -NPLN1141
22	WVUT	VINCENNES IN	268.6	PLN	DTVPLN -NPLN1142
22	WKPI-TV	PIKEVILLE KY	193.2	PLN	DTVPLN -NPLN1143
22	WCNC-DT	CHARLOTTE NC	422.6	PLN	DTVPLN -DTVP0492
22	WKEF	DAYTON OH	185.0	PLN	DTVPLN -NPLN1150
22	WCTE	COOKEVILLE TN	223.5	PLN	DTVPLN -NPLN1156
23	WKZTTV	ELIZABETHTOWN KY	126.3	PLN	DTVPLN -NPLN1175
23	WPMC-DT	JELLCICO TN	186.0	PLN	DTVPLN -DTVP0542
23	WSAZ-DT	HUNTINGTON WV	203.9	PLN	DTVPLN -DTVP0550

Results for: 22A KY LEXINGTON		DTVPLN	DTVP0483	PLN
HAAT 195.0 m, ATV ERP 50.0 kW		POPULATION	AREA (sq km)	
		626803	13123.3	
within Noise Limited Contour		626495	13055.3	
not affected by terrain losses		2582	192.0	
lost to NTSC IX		0	0.0	
lost to additional IX by ATV		0	0.0	
lost to ATV IX only		2582	192.0	
lost to all IX				

NTSC Baseline Analysis			
Channel	Call	City/State	Application Ref. No.
18	WLEXTV	LEXINGTON KY	DTVPLN -NPLN1019

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
14	WKSO-DT	SOMERSET KY	104.2	PLN	DTVPLN -DTVP0130
15	WKPCTV	LOUISVILLE KY	122.1	PLN	DTVPLN -NPLN0923
15	WKMR-DT	MOREHEAD KY	95.4	PLN	DTVPLN -DTVP0169
17	WKPC-DT	LOUISVILLE KY	122.1	PLN	DTVPLN -DTVP0262
17	WUXA-DT	PORTSMOUTH OH	146.3	PLN	DTVPLN -DTVP0275
18	WCLETV	CHATSWORTH GA	368.9	PLN	DTVPLN -NPLN1014
18	WLFTV	LAFAYETTE IN	316.5	PLN	DTVPLN -NPLN1017
18	WKYU-DT	BOWLING GREEN KY	204.6	PLN	DTVPLN -DTVP0306
18	WTJC-DT	SPRINGFIELD OH	212.0	PLN	DTVPLN -DTVP0318
18	WHIZTV	ZANESVILLE OH	299.3	PLN	DTVPLN -NPLN1028
18	WDBJ-DT	ROANOKE VA	393.3	PLN	DTVPLN -DTVP0331

Table 1 WSAZ-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 7 of 35)

19	WGRB-DT	CAMPBELLSVILLE KY	123.2	PLN	DTVPLN	-DTVP0354
19	WXIX-TV	NEWPORT KY	117.5	PLN	DTVPLN	-NPLN1044
21	WBNA	LOUISVILLE KY	111.0	PLN	DTVPLN	-NPLN1108
21	WAOM-DT	MOREHEAD KY	99.7	PLN	DTVPLN	-DTVP0440
22	WLEX-DT	LEXINGTON KY	0.0	PLN	DTVPLN	-DTVP0483
25	WKAS	ASHLAND KY	168.8	PLN	DTVPLN	-NPLN1245
26	WLKY-DT	LOUISVILLE KY	122.4	PLN	DTVPLN	-DTVP0639
32	WLKY	LOUISVILLE KY	122.4	PLN	DTVPLN	-NPLN1430
33	WSTR-DT	CINCINNATI OH	126.2	PLN	DTVPLN	-DTVP0912
33	WPBY-TV	HUNTINGTON WV	205.1	PLN	DTVPLN	-NPLN1463

Results for: 18N KY LEXINGTON			DTVPLN	NPLN1019	PLN
			POPULATION	AREA (sq km)	
	within Noise Limited Contour		626803	13123.3	
	not affected by terrain losses		624950	12935.3	
	lost to NTSC IX		2523	152.0	
	lost to additional IX by ATV		1169	116.0	
	lost to all IX		3692	268.0	

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
22	WLEX-DT	LEXINGTON KY	DTVPLN	-DTVP0483

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
21	WBNA	LOUISVILLE KY	111.0	LIC	BLCT	-19890201KS
21	WUPX-TV	MOREHEAD KY	76.8	LIC	BLCDT	-20040901ACJ
21	WAOM-DT	MOREHEAD KY	99.7	PLN	DTVPLN	-DTVP0440
22	WSBT-TV	SOUTH BEND IN	421.4	CP	BPCT	-20050613AFT
22	WVUT	VINCENNES IN	268.6	LIC	BLET	-344
22	WKPI-TV	PIKEVILLE KY	193.2	LIC	BMLET	-19830426KN
22	WCNC-TV	CHARLOTTE NC	422.6	LIC	BLCDT	-20031211ABN
22	WCNC-DT	CHARLOTTE NC	422.6	PLN	DTVPLN	-DTVP0492
22	WCNC-TV	CHARLOTTE NC	422.6	APP	BPCT	-20080617AEH
22	WKEF	DAYTON OH	185.0	LIC	BLCT	-2584
23	WKZT-TV	ELIZABETHTOWN KY	126.3	LIC	BLET	-19830404KF
23	WPMC-DT	JELLCO TN	186.0	PLN	DTVPLN	-DTVP0542
23	WPXX	JELLCO TN	208.8	LIC	BLCDT	-20020510AAJ
23	WSAZ-DT	HUNTINGTON WV	203.9	PLN	DTVPLN	-DTVP0550
23	WSAZ-TV	HUNTINGTON WV	203.9	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 5

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
22	WKPI-TV	PIKEVILLE KY	DTVPLN	-NPLN1143

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WLFB-DT	BLUEFIELD WV	112.1	PLN	DTVPLN	-DTVP0156
15	WKMR-DT	MOREHEAD KY	125.8	PLN	DTVPLN	-DTVP0169
15	WKOPTV	KNOXVILLE TN	190.1	PLN	DTVPLN	-NPLN0934
19	WKPT-TV	KINGSPORT TN	100.9	PLN	DTVPLN	-NPLN1058

Table 1 WSAZ-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 8 of 35)

19	WVAH-DT	CHARLESTON WV	136.8	PLN	DTVPLN	-DTVP0382
21	WAOM-DT	MOREHEAD KY	134.8	PLN	DTVPLN	-DTVP0440
22	WLEX-DT	LEXINGTON KY	193.2	PLN	DTVPLN	-DTVP0483
22	WCNC-DT	CHARLOTTE NC	247.2	PLN	DTVPLN	-DTVP0492
22	WLFL	RALEIGH NC	374.4	PLN	DTVPLN	-NPLN1148
22	WKEF	DAYTON OH	310.0	PLN	DTVPLN	-NPLN1150
22	WCTE	COOKEVILLE TN	279.8	PLN	DTVPLN	-NPLN1156
23	WPMC-DT	JELLCO TN	176.2	PLN	DTVPLN	-DTVP0542
23	WSAZ-DT	HUNTINGTON WV	138.7	PLN	DTVPLN	-DTVP0550
24	WKPI-DT	PIKEVILLE KY	0.0	PLN	DTVPLN	-DTVP0569
25	WKAS	ASHLAND KY	131.1	PLN	DTVPLN	-NPLN1245
26	WKAS-DT	ASHLAND KY	131.1	PLN	DTVPLN	-DTVP0638
29	WKSOTV	SOMERSET KY	204.0	PLN	DTVPLN	-NPLN1357
29	WKRP-TV	CHARLESTON WV	147.2	PLN	DTVPLN	-NPLN1371
36	WTQTV	LEXINGTON KY	184.4	PLN	DTVPLN	-NPLN1520

Results for: 22N KY PIKEVILLE			DTVPLN	NPLN1143	PLN
			POPULATION	AREA (sq km)	
	within Noise Limited Contour		523158	19509.2	
	not affected by terrain losses		435111	16255.0	
	lost to NTSC IX		4130	319.0	
	lost to additional IX by ATV		3779	181.7	
	lost to all IX		7909	500.6	

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
22	WKPI-TV	PIKEVILLE KY	BMLET	-19830426KN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WLFB-DT	BLUEFIELD WV	112.1	PLN	DTVPLN	-DTVP0156
15	WKMR-DT	MOREHEAD KY	125.8	PLN	DTVPLN	-DTVP0169
19	WKPT-TV	KINGSPORT TN	100.9	LIC	BLCT	-1933
19	WKPT-TV	KINGSPORT TN	100.9	APP	BSTA	-20090209AMO
19	WVAH-TV	CHARLESTON WV	136.2	CP MOD	BMPCDT	-20040406AAX
19	WVAH-DT	CHARLESTON WV	136.8	PLN	DTVPLN	-DTVP0382
21	WUPX-TV	MOREHEAD KY	119.7	LIC	BLCDT	-20040901ACJ
21	WAOM-DT	MOREHEAD KY	134.8	PLN	DTVPLN	-DTVP0440
22	WLEX-DT	LEXINGTON KY	193.2	PLN	DTVPLN	-DTVP0483
22	WCNC-TV	CHARLOTTE NC	247.2	LIC	BLCDT	-20031211ABN
22	WCNC-DT	CHARLOTTE NC	247.2	PLN	DTVPLN	-DTVP0492
22	WCNC-TV	CHARLOTTE NC	247.2	APP	BPCT	-20080617AEH
22	WLFL	RALEIGH NC	374.4	LIC	BLCT	-19861113KR
22	WKEF	DAYTON OH	310.0	LIC	BLCT	-2584
23	WPMC-DT	JELLCO TN	176.2	PLN	DTVPLN	-DTVP0542
23	WPXX	JELLCO TN	194.1	LIC	BLCDT	-20020510AAJ
23	WSAZ-DT	HUNTINGTON WV	138.7	PLN	DTVPLN	-DTVP0550
24	WKPI-DT	PIKEVILLE KY	0.0	PLN	DTVPLN	-DTVP0569
25	WKAS	ASHLAND KY	131.1	LIC	BLET	-423
26	WKAS-DT	ASHLAND KY	131.1	PLN	DTVPLN	-DTVP0638
29	WKSOTV	SOMERSET KY	204.0	LIC	BLET	-19830725KM
29	WLFX-TV	CHARLESTON WV	147.2	LIC	BLCT	-19990426AAA
36	NEW	JOHNSON CITY TN	141.3	APP	BPRM	-20000717AEY
23	WSAZ-TV	HUNTINGTON WV	138.8	APP	USERRECORD-01	

Total scenarios = 2

Result key: 50
Scenario 2 Affected station 5
Before Analysis

Table 1 WSAZ-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 9 of 35)

Results for: 22N KY PIKEVILLE	BMLET	19830426KN	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	523158	19509.2	
not affected by terrain losses	435111	16255.0	
lost to NTSC IX	2901	230.1	
lost to additional IX by ATV	4489	209.9	
lost to all IX	7390	440.1	

Potential Interfering Stations Included in above Scenario 2

22N OH DAYTON	BLCT	2584	LIC
29N WV CHARLESTON	BLCT	19990426AAA	LIC
21A KY MOREHEAD	DTVPLN	DTVP0440	PLN
22A KY LEXINGTON	DTVPLN	DTVP0483	PLN
23A WV HUNTINGTON	DTVPLN	DTVP0550	PLN

After Analysis

Results for: 22N KY PIKEVILLE	BMLET	19830426KN	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	523158	19509.2	
not affected by terrain losses	435111	16255.0	
lost to NTSC IX	2901	230.1	
lost to additional IX by ATV	4468	214.0	
lost to all IX	7369	444.1	

Potential Interfering Stations Included in above Scenario 2

22N OH DAYTON	BLCT	2584	LIC
29N WV CHARLESTON	BLCT	19990426AAA	LIC
21A KY MOREHEAD	DTVPLN	DTVP0440	PLN
22A KY LEXINGTON	DTVPLN	DTVP0483	PLN
23A WV HUNTINGTON	USERRECORD01	APP	

Percent new IX = -0.0040%

Worst case new IX -0.0040% Scenario 2

#####

Analysis of Interference to Affected Station 6

NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
23	WNDYTV	MARION IN	DTVPLN -NPLN1174

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
15	WANETV	FORT WAYNE IN	122.9	PLN	DTVPLN -NPLN0921
16	WHMB-DT	INDIANAPOLIS IN	36.4	PLN	DTVPLN -DTVP0217
16	WNDUTV	SOUTH BEND IN	163.5	PLN	DTVPLN -NPLN0952
16	WPTD	DAYTON OH	151.5	PLN	DTVPLN -NPLN0960
19	WKJG-DT	FORT WAYNE IN	123.1	PLN	DTVPLN -DTVP0352
20	WFYI	INDIANAPOLIS IN	35.6	PLN	DTVPLN -NPLN1080
21	WPTA	FORT WAYNE IN	123.5	PLN	DTVPLN -NPLN1106
21	WFYI-DT	INDIANAPOLIS IN	35.6	PLN	DTVPLN -DTVP0438
22	WSBTTV	SOUTH BEND IN	164.8	PLN	DTVPLN -NPLN1141
22	WKEF	DAYTON OH	150.6	PLN	DTVPLN -NPLN1150
23	WFHL	DECATUR IL	250.3	PLN	DTVPLN -NPLN1172

Table 1 WSAZ-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 10 of 35)

23	WIFR	FREEPORT IL	360.6	PLN	DTVPLN -NPLN1173
23	WQPT-DT	MOLINE IL	396.1	PLN	DTVPLN -DTVP0523
23	WKZTTV	ELIZABETHTOWN KY	274.4	PLN	DTVPLN -NPLN1175
23	WKARTV	EAST LANSING MI	310.9	PLN	DTVPLN -NPLN1177
23	WAKCTV	AKRON OH	381.2	PLN	DTVPLN -NPLN1186
23	WSAZ-DT	HUNTINGTON WV	367.9	PLN	DTVPLN -DTVP0550
24	WPTA-DT	FORT WAYNE IN	123.5	PLN	DTVPLN -DTVP0566
24	WTHI-DT	TERRE HAUTE IN	159.6	PLN	DTVPLN -DTVP0567
24	WCVN-DT	COVINGTON KY	174.6	PLN	DTVPLN -DTVP0568
25	WRTV-DT	INDIANAPOLIS IN	35.6	PLN	DTVPLN -DTVP0602
27	WIIB-DT	BLOOMINGTON IN	84.6	PLN	DTVPLN -DTVP0673
30	WTIU	BLOOMINGTON IN	121.7	PLN	DTVPLN -NPLN1381
38	WBAKTV	TERRE HAUTE IN	161.1	PLN	DTVPLN -NPLN1542

Results for: 23N IN MARION	DTVPLN	NPLN1174	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1861840	19712.6	
not affected by terrain losses	1860200	19652.2	
lost to NTSC IX	11754	596.0	
lost to additional IX by ATV	17188	68.5	
lost to all IX	28942	664.5	

Analysis of current record

Channel	Call	City/State	Application Ref. No.
23	WNDY-TV	MARION IN	BLCT -19990430KE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
15	WANE-TV	FORT WAYNE IN	122.9	LIC	BLCT -20020326AAR
16	WHMB-DT	INDIANAPOLIS IN	36.4	PLN	DTVPLN -DTVP0217
16	WHMB-TV	INDIANAPOLIS IN	36.4	LIC	BLCDT -20060619AAG
16	WNDU-TV	SOUTH BEND IN	163.5	LIC	BLCT -20060627ACE
16	WPTD	DAYTON OH	151.5	LIC	BLET -19920807KG
19	WKJG-DT	FORT WAYNE IN	123.1	PLN	DTVPLN -DTVP0352
19	WISE-TV	FORT WAYNE IN	123.1	LIC	BLCDT -20070509AEQ
20	WFYI	INDIANAPOLIS IN	35.6	LIC	BLET -19810825KE
21	WPTA	FORT WAYNE IN	123.5	LIC	BLCT -20061106ABS
21	WFYI	INDIANAPOLIS IN	35.6	LIC	BLEDT -20030310BAD
21	WFYI-DT	INDIANAPOLIS IN	35.6	PLN	DTVPLN -DTVP0438
22	WSBT-TV	SOUTH BEND IN	164.8	CP	BPCT -20050613AFT
22	WKEF	DAYTON OH	150.6	LIC	BLCT -2584
23	WQPT-TV	MOLINE IL	395.8	LIC	BLEDT -20030702AAR
23	WQPT-DT	MOLINE IL	396.1	PLN	DTVPLN -DTVP0523
23	WKZT-TV	ELIZABETHTOWN KY	274.4	LIC	BLET -19830404KF
23	WVPX	AKRON OH	381.2	LIC	BLCT -20010627ABZ
23	WVPX	AKRON OH	381.2	APP	BSTA -20080318ACG
23	WVPX	AKRON OH	381.2	CP	BPCDT -20070625ACA
23	WSAZ-DT	HUNTINGTON WV	367.9	PLN	DTVPLN -DTVP0550
24	WPTA	FORT WAYNE IN	123.5	LIC	BLCDT -20031031AGU
24	WPTA-DT	FORT WAYNE IN	123.5	PLN	DTVPLN -DTVP0566
24	WTHI-DT	TERRE HAUTE IN	159.6	PLN	DTVPLN -DTVP0567
24	WCVN-DT	COVINGTON KY	174.6	PLN	DTVPLN -DTVP0568
25	WRTV-DT	INDIANAPOLIS IN	35.6	PLN	DTVPLN -DTVP0602
27	WIPX	BLOOMINGTON IN	84.6	LIC	BLCDT -20040406AAH
27	WIIB-DT	BLOOMINGTON IN	84.6	PLN	DTVPLN -DTVP0673
30	WTIU	BLOOMINGTON IN	121.7	LIC	BLET -20020919ABC
31	WANE-DR	FORT WAYNE IN	122.9	LIC	BPRM -20000801AAA
38	WFXW	TERRE HAUTE IN	161.0	LIC	BLCT -20031022AAD
23	WSAZ-TV	HUNTINGTON WV	367.9	APP	USERRECORD-01

Total scenarios = 2

Table 1 WSAZ-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 11 of 35)

Result key: 51

Scenario 1 Affected station 6
Before Analysis

Results for: 23N IN MARION	BLCT	19990430KE	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1856140	19568.9	
not affected by terrain losses	1855262	19536.7	
lost to NTSC IX	7668	326.1	
lost to additional IX by ATV	9251	124.8	
lost to all IX	16919	450.9	

Potential Interfering Stations Included in above Scenario 1

22N OH DAYTON	BLCT	2584	LIC
23N KY ELIZABETHTOWN	BLET	19830404KF	LIC
38N IN TERRE HAUTE	BLCT	20031022AAD	LIC
24A IN FORT WAYNE	BLCDT	20031031AGU	LIC
25A IN INDIANAPOLIS	DTVPLN	DTVP0602	PLN
27A IN BLOOMINGTON	BLCDT	20040406AAH	LIC
23A WV HUNTINGTON	DTVPLN	DTVP0550	PLN

After Analysis

Results for: 23N IN MARION	BLCT	19990430KE	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1856140	19568.9	
not affected by terrain losses	1855262	19536.7	
lost to NTSC IX	7668	326.1	
lost to additional IX by ATV	9251	124.8	
lost to all IX	16919	450.9	

Potential Interfering Stations Included in above Scenario 1

22N OH DAYTON	BLCT	2584	LIC
23N KY ELIZABETHTOWN	BLET	19830404KF	LIC
38N IN TERRE HAUTE	BLCT	20031022AAD	LIC
24A IN FORT WAYNE	BLCDT	20031031AGU	LIC
25A IN INDIANAPOLIS	DTVPLN	DTVP0602	PLN
27A IN BLOOMINGTON	BLCDT	20040406AAH	LIC
23A WV HUNTINGTON	USERRECORD01		APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

#####

Analysis of Interference to Affected Station 7

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
23	WKZTTV	ELIZABETHTOWN KY	DTVPLN	-NPLN1175

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	WKPCTV	LOUISVILLE KY	76.2	PLN	DTVPLN	-NPLN0923

Table 1 WSAZ-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 12 of 35)

16	WKNT-DT	BOWLING GREEN KY	77.5	PLN	DTVPLN	-DTVP0220
19	WGRB-DT	CAMPBELLSVILLE KY	74.0	PLN	DTVPLN	-DTVP0354
21	WBNA	LOUISVILLE KY	39.8	PLN	DTVPLN	-NPLN1108
22	WVUT	VINCENNES IN	178.9	PLN	DTVPLN	-NPLN1142
22	WLEX-DT	LEXINGTON KY	126.3	PLN	DTVPLN	-DTVP0483
22	WCTE	COOKEVILLE TN	173.4	PLN	DTVPLN	-NPLN1156
23	WELF	DALTON GA	306.2	PLN	DTVPLN	-NPLN1170
23	WFHL	DECATUR IL	363.6	PLN	DTVPLN	-NPLN1172
23	WNDYTV	MARION IN	274.4	PLN	DTVPLN	-NPLN1174
23	KBSI	CAPE GIRARDEAU MO	329.2	PLN	DTVPLN	-NPLN1179
23	WPMC-DT	JELLCO TN	204.5	PLN	DTVPLN	-DTVP0542
23	WNAB-DT	NASHVILLE TN	210.4	PLN	DTVPLN	-DTVP0543
23	WSAZ-DT	HUNTINGTON WV	330.0	PLN	DTVPLN	-DTVP0550
24	WKYUTV	BOWLING GREEN KY	86.3	PLN	DTVPLN	-NPLN1209
24	WCVN-DT	COVINGTON KY	189.8	PLN	DTVPLN	-DTVP0568
26	WLKY-DT	LOUISVILLE KY	76.4	PLN	DTVPLN	-DTVP0639
27	WKYTTV	LEXINGTON KY	132.4	PLN	DTVPLN	-NPLN1304
30	WTIU	BLOOMINGTON IN	172.0	PLN	DTVPLN	-NPLN1381
30	WKOH-DT	OWENSBORO KY	132.0	PLN	DTVPLN	-DTVP0788
30	WUXP	NASHVILLE TN	178.8	PLN	DTVPLN	-NPLN1393
31	WKOH	OWENSBORO KY	132.0	PLN	DTVPLN	-NPLN1406
38	WBAKTV	TERRE HAUTE IN	219.1	PLN	DTVPLN	-NPLN1542
38	WKMJ-DT	LOUISVILLE KY	76.2	PLN	DTVPLN	-DTVP1046
38	WKMR	MOREHEAD KY	220.6	PLN	DTVPLN	-NPLN1544

Results for: 23N KY ELIZABETHTOWN	DTVPLN	NPLN1175	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	755185	12241.2	
not affected by terrain losses	702373	11911.5	
lost to NTSC IX	292886	916.9	
lost to additional IX by ATV	1451	56.3	
lost to all IX	294337	973.2	

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
23	WKZT-TV	ELIZABETHTOWN KY	BLET	-19830404KF

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	WKPC-TV	LOUISVILLE KY	76.1	LIC	BLET	-19981105KE
16	WNKY	BOWLING GREEN KY	77.8	CP MOD	BMPCDT	-20071012AUR
16	WKNT-DT	BOWLING GREEN KY	77.5	PLN	DTVPLN	-DTVP0220
19	WBKI-DT	BARDSTOWN KY	61.0	ADD	BPRM	-20001229ABL
19	WGRB-DT	CAMPBELLSVILLE KY	74.0	PLN	DTVPLN	-DTVP0354
19	WBKI-TV	CAMPBELLSVILLE KY	38.7	LIC	BLCDT	-20080811ABA
20	NEW	LEXINGTON KY	139.7	ADD	BPRM	-20000717ADO
21	WBNA	LOUISVILLE KY	39.8	LIC	BLCT	-19890201KS
22	WVUT	VINCENNES IN	178.9	LIC	BLET	-344
22	WLEX-DT	LEXINGTON KY	126.3	PLN	DTVPLN	-DTVP0483
23	WELF-TV	DALTON GA	306.2	LIC	BLCT	-19940516KE
23	WNDY-TV	MARION IN	274.4	LIC	BLCT	-19990430KE
23	KBSI	CAPE GIRARDEAU MO	329.2	LIC	BLCT	-20050225ABQ
23	WPMC-DT	JELLCO TN	204.5	PLN	DTVPLN	-DTVP0542
23	WPXK	JELLCO TN	218.4	LIC	BLCDT	-20020510AAJ
23	WNAB-DT	NASHVILLE TN	210.4	PLN	DTVPLN	-DTVP0543
23	WNAB	NASHVILLE TN	178.9	LIC	BLCDT	-20040712AAO
23	WSAZ-DT	HUNTINGTON WV	330.0	PLN	DTVPLN	-DTVP0550
24	WCVN-DT	COVINGTON KY	189.8	PLN	DTVPLN	-DTVP0568
26	WLKY-TV	LOUISVILLE KY	76.4	LIC	BLCDT	-20030129AFL
26	WLKY-DT	LOUISVILLE KY	76.4	PLN	DTVPLN	-DTVP0639
27	WKYT-TV	LEXINGTON KY	132.4	LIC	BLCT	-19890526KE

Table 1 WSAZ-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 13 of 35)

30	WTIU	BLOOMINGTON IN	172.0	LIC	BLET	-20020919ABC
30	WKOH-DT	OWENSBORO KY	132.0	PLN	DTVPLN	-DTVP0788
30	WUXP-TV	NASHVILLE TN	178.9	LIC	BLCT	-20041014AFP
31	WKOH	OWENSBORO KY	131.9	LIC	BLCT	-19800221IA
38	WFXW	TERRE HAUTE IN	218.9	LIC	BLCT	-20031022AAD
38	WKMJ-DT	LOUISVILLE KY	76.2	PLN	DTVPLN	-DTVP1046
38	WKMR	MOREHEAD KY	220.6	LIC	BLET	-19830725KL
23	WSAZ-TV	HUNTINGTON WV	330.0	APP	USERRECORD-01	

Total scenarios = 16

Result key: 53
Scenario 1 Affected station 7
Before Analysis

Results for: 23N KY ELIZABETHTOWN	BLET	19830404KF	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	755185	12241.2	
not affected by terrain losses	702373	11911.5	
lost to NTSC IX	290449	715.8	
lost to additional IX by ATV	10573	229.2	
lost to all IX	301022	945.0	

Potential Interfering Stations Included in above Scenario 1

15N KY LOUISVILLE	BLET	19981105KE	LIC
21N KY LOUISVILLE	BLCT	19890201KS	LIC
23N IN MARION	BLCT	19990430KE	LIC
23N MO CAPE GIRARDEAU	BLCT	20050225ABQ	LIC
19A KY CAMPBELLSVILLE	BLCDT	20080811ABA	LIC
23A TN JELLCO	DTVPLN	DTVP0542	PLN
23A TN NASHVILLE	DTVPLN	DTVP0543	PLN
26A KY LOUISVILLE	BLCDT	20030129AFL	LIC

After Analysis

Results for: 23N KY ELIZABETHTOWN	BLET	19830404KF	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	755185	12241.2	
not affected by terrain losses	702373	11911.5	
lost to NTSC IX	290449	715.8	
lost to additional IX by ATV	10645	237.3	
lost to all IX	301094	953.1	

Potential Interfering Stations Included in above Scenario 1

15N KY LOUISVILLE	BLET	19981105KE	LIC
21N KY LOUISVILLE	BLCT	19890201KS	LIC
23N IN MARION	BLCT	19990430KE	LIC
23N MO CAPE GIRARDEAU	BLCT	20050225ABQ	LIC
19A KY CAMPBELLSVILLE	BLCDT	20080811ABA	LIC
23A TN JELLCO	DTVPLN	DTVP0542	PLN
23A TN NASHVILLE	DTVPLN	DTVP0543	PLN
26A KY LOUISVILLE	BLCDT	20030129AFL	LIC
23A WV HUNTINGTON	USERRECORD01	APP	

Percent new IX = 0.0095%

Worst case new IX 0.0095% Scenario 1

#####

Table 1 WSAZ-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 14 of 35)

Analysis of Interference to Affected Station 8

DTV	Baseline Analysis			
Channel	Call	City/State	Application	Ref. No.
23	WBTW-DT	CHARLOTTE NC	DTVPLN	-DTVP0529

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
22	WCNC-DT	CHARLOTTE NC	2.4	PLN	DTVPLN	-DTVP0492
22	WLFL	RALEIGH NC	217.9	PLN	DTVPLN	-NPLN1148
23	WJSP-DT	COLUMBUS GA	427.2	PLN	DTVPLN	-DTVP0518
23	WELF	DALTON GA	384.0	PLN	DTVPLN	-NPLN1170
23	WJCL-DT	SAVANNAH GA	367.7	PLN	DTVPLN	-DTVP0519
23	WUNK-DT	GREENVILLE NC	325.3	PLN	DTVPLN	-DTVP0530
23	WHMC	CONWAY SC	246.5	PLN	DTVPLN	-NPLN1190
23	WPMC-DT	JELLCO TN	293.3	PLN	DTVPLN	-DTVP0542
23	WCVETV	RICHMOND VA	399.7	PLN	DTVPLN	-NPLN1195
23	WSAZ-DT	HUNTINGTON WV	361.4	PLN	DTVPLN	-DTVP0550
24	WNEG-DT	TOCCOA GA	215.5	PLN	DTVPLN	-DTVP0563
24	WTVI-DT	CHARLOTTE NC	45.3	PLN	DTVPLN	-DTVP0574
24	WDRLTV	DANVILLE VA	200.0	PLN	DTVPLN	-NPLN1230

Results for: 23A NC CHARLOTTE	DTVPLN	DTVP0529	PLN
HAAT 567.0 m, ATV ERP 1000.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	3405562	50747.4	
not affected by terrain losses	3231543	47717.2	
lost to NTSC IX	22048	894.3	
lost to additional IX by ATV	10357	359.3	
lost to ATV IX only	13547	467.1	
lost to all IX	32405	1253.6	

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
03	WBTW	CHARLOTTE NC	DTVPLN	-NPLN0240

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
02	WFMYTV	GREENSBORO NC	134.1	PLN	DTVPLN	-NPLN0179
02	WSJKTV	SNEEDVILLE TN	212.1	PLN	DTVPLN	-NPLN0197
03	WSAVTV	SAVANNAH GA	367.5	PLN	DTVPLN	-NPLN0220
03	WWAY	WILMINGTON NC	306.3	PLN	DTVPLN	-NPLN0241
03	WRCBTW	CHATTANOOGA TN	375.2	PLN	DTVPLN	-NPLN0258
03	WHSVTV	HARRISONBURG VA	425.3	PLN	DTVPLN	-NPLN0265
03	WBRA-DT	ROANOKE VA	223.6	PLN	DTVPLN	-DTVP0012
03	WSAZTV	HUNTINGTON WV	361.4	PLN	DTVPLN	-NPLN0269
04	WUNCTV	CHAPEL HILL NC	190.9	PLN	DTVPLN	-NPLN0301
04	WYFF	GREENVILLE SC	131.7	PLN	DTVPLN	-NPLN0317

Results for: 3N NC CHARLOTTE	DTVPLN	NPLN0240	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	3405562	50747.4	
not affected by terrain losses	3217654	47266.0	
lost to NTSC IX	843022	11677.8	
lost to additional IX by ATV	28384	495.1	
lost to all IX	871406	12172.8	

Table 1 WSAZ-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 15 of 35)

Analysis of current record						
Channel	Call	City/State	Application Ref. No.			
23	WBTB-DT	CHARLOTTE NC	DTVPLN	-DTVP0529		
Stations Potentially Affecting This Station						
Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
22	WCNC-TV	CHARLOTTE NC	2.4	LIC	BLCDT	-20031211ABN
22	WCNC-DT	CHARLOTTE NC	2.4	PLN	DTVPLN	-DTVP0492
22	WCNC-TV	CHARLOTTE NC	2.4	APP	BPCDT	-20080617AEH
22	WLFL	RALEIGH NC	217.9	LIC	BLCT	-19861113KR
23	WJSP-DT	COLUMBUS GA	427.2	PLN	DTVPLN	-DTVP0518
23	WELF-TV	DALTON GA	384.0	LIC	BLCT	-19940516KE
23	WJCL-DT	SAVANNAH GA	367.7	PLN	DTVPLN	-DTVP0519
23	WUNK-TV	GREENVILLE NC	325.3	LIC	BLEDT	-20021007ABG
23	WUNK-DT	GREENVILLE NC	325.3	PLN	DTVPLN	-DTVP0530
23	WPMC-DT	JELICO TN	293.3	PLN	DTVPLN	-DTVP0542
23	WPXX	JELICO TN	289.7	LIC	BLCDT	-20020510AAJ
23	WCVE-TV	RICHMOND VA	399.7	LIC	BLET	-20030520AKD
23	WSAZ-DT	HUNTINGTON WV	361.4	PLN	DTVPLN	-DTVP0550
24	WNEG-DT	TOCCOA GA	215.5	PLN	DTVPLN	-DTVP0563
24	WTVI-DT	CHARLOTTE NC	45.3	PLN	DTVPLN	-DTVP0574
24	WFPX-TV	FAYETTEVILLE NC	199.2	APP	BPRM	-20020327ABP
23	WSAZ-TV	HUNTINGTON WV	361.5	APP	USERRECORD-01	

Total scenarios = 12

Result key: 69
Scenario 1 Affected station 8
Before Analysis

Results for: 23A NC CHARLOTTE			
HAAT	567.0 m, ATV ERP 1000.0 kW	DTVPLN	DTVP0529 PLN
POPULATION AREA (sq km)			
within Noise Limited Contour	3405562	50747.4	
not affected by terrain losses	3231543	47717.2	
lost to NTSC IX	8660	83.8	
lost to additional IX by ATV	12616	503.0	
lost to ATV IX only	15020	535.0	
lost to all IX	21276	586.9	

Potential Interfering Stations Included in above Scenario 1

23N GA DALTON	BLCT	19940516KE	LIC
23N VA RICHMOND	BLET	20030520AKD	LIC
22A NC CHARLOTTE	BLCDT	20031211ABN	LIC
23A GA SAVANNAH	DTVPLN	DTVP0519	PLN
23A NC GREENVILLE	BLEDT	20021007ABG	LIC
23A TN JELLCO	DTVPLN	DTVP0542	PLN
24A NC CHARLOTTE	DTVPLN	DTVP0574	PLN
23A WV HUNTINGTON	DTVPLN	DTVP0550	PLN

After Analysis

Results for: 23A NC CHARLOTTE			
HAAT	567.0 m, ATV ERP 1000.0 kW	DTVPLN	DTVP0529 PLN
POPULATION AREA (sq km)			
within Noise Limited Contour	3405562	50747.4	
not affected by terrain losses	3231543	47717.2	
lost to NTSC IX	8660	83.8	
lost to additional IX by ATV	12489	499.1	

Table 1 WSAZ-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 16 of 35)

lost to ATV IX only	14893	531.0
lost to all IX	21149	582.9

Potential Interfering Stations Included in above Scenario 1

23N GA DALTON	BLCT	19940516KE	LIC
23N VA RICHMOND	BLET	20030520AKD	LIC
22A NC CHARLOTTE	BLCDT	20031211ABN	LIC
23A GA SAVANNAH	DTVPLN	DTVP0519	PLN
23A NC GREENVILLE	BLEDT	20021007ABG	LIC
23A TN JELLCO	DTVPLN	DTVP0542	PLN
24A NC CHARLOTTE	DTVPLN	DTVP0574	PLN
23A WV HUNTINGTON	USERRECORD01		APP

Percent new IX = -0.0040%

Worst case new IX -0.0040% Scenario 1

#####

Analysis of Interference to Affected Station 9

NTSC Baseline Analysis			
Channel	Call	City/State	Application Ref. No.
23	WAKCTV	AKRON OH	DTVPLN -NPLN1186

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
15	WEWS-DT	CLEVELAND OH	36.3	PLN	DTVPLN -DTVP0184
16	WQEX	PITTSBURGH PA	152.6	PLN	DTVPLN -NPLN0963
20	WFMJ-DT	YOUNGSTOWN OH	79.0	PLN	DTVPLN -DTVP0414
21	WFMJTV	YOUNGSTOWN OH	79.0	PLN	DTVPLN -NPLN1122
22	WFXP-DT	ERIE PA	166.5	PLN	DTVPLN -DTVP0502
22	WPTT-TV	PITTSBURGH PA	171.6	PLN	DTVPLN -NPLN1153
23	WNDYTV	MARION IN	381.2	PLN	DTVPLN -NPLN1174
23	WKARTV	EAST LANSING MI	296.7	PLN	DTVPLN -NPLN1177
23	WNEQTV	BUFFALO NY	309.9	PLN	DTVPLN -NPLN1185
23	WATMTV	ALTOONA PA	269.7	PLN	DTVPLN -NPLN1189
23	WSAZ-DT	HUNTINGTON WV	289.1	PLN	DTVPLN -DTVP0550
24	WSFJ-DT	NEWARK OH	142.4	PLN	DTVPLN -DTVP0580
24	WNWOTV	TOLEDO OH	162.4	PLN	DTVPLN -NPLN1220
24	WJETTV	ERIE PA	166.2	PLN	DTVPLN -NPLN1222
25	WVIZ	CLEVELAND OH	33.5	PLN	DTVPLN -NPLN1255
26	WVIZ-DT	CLEVELAND OH	33.5	PLN	DTVPLN -DTVP0648
27	WBNTV	YOUNGSTOWN OH	78.6	PLN	DTVPLN -NPLN1314
30	WBNX-DT	AKRON OH	36.8	PLN	DTVPLN -DTVP0796
30	WGTEV	TOLEDO OH	167.7	PLN	DTVPLN -NPLN1387
31	WJW-DT	CLEVELAND OH	35.0	PLN	DTVPLN -DTVP0835
38	WADL	MOUNT CLEMENS MI	197.7	PLN	DTVPLN -NPLN1547

Results for: 23N OH AKRON			
HAAT	567.0 m, ATV ERP 1000.0 kW	DTVPLN	NPLN1186 PLN
POPULATION AREA (sq km)			
within Noise Limited Contour	3996363	23146.2	
not affected by terrain losses	3939311	22479.5	
lost to NTSC IX	316287	1490.1	
lost to additional IX by ATV	5529	345.4	
lost to all IX	321816	1835.5	

Analysis of current record

Table 1 WSAZ-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 17 of 35)

Channel	Call	City/State	Application	Ref. No.
23	WVPX	AKRON OH	BLCT	-20010627ABZ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	WEWS-DT	CLEVELAND OH	36.2	PLN	DTVPLN	-DTVPO184
20	WFMJ-TV	YOUNGSTOWN OH	79.0	CP	BPCDT	-19991027AAV
20	WFMJ-DT	YOUNGSTOWN OH	79.0	PLN	DTVPLN	-DTVPO414
21	WFMJ-TV	YOUNGSTOWN OH	79.0	CP	BPCT	-20060516ABT
22	WFXP	ERIE PA	166.2	CP MOD	BMPCDT	-20070404ACJ
22	WFXP-DT	ERIE PA	166.5	PLN	DTVPLN	-DTVPO502
22	WPMY	PITTSBURGH PA	171.6	LIC	BLCT	-20000724ABO
23	WNDY-TV	MARION IN	381.2	LIC	BLCT	-19990430KE
23	WNLO	BUFFALO NY	309.8	LIC	BMLCT	-20001221ABI
23	WSAZ-DT	HUNTINGTON WV	289.2	PLN	DTVPLN	-DTVPO550
24	WSFJ-TV	NEWARK OH	144.3	LIC	BLCDT	-20060620ABC
24	WSFJ-DT	NEWARK OH	142.4	PLN	DTVPLN	-DTVPO580
24	WNWO-TV	TOLEDO OH	162.4	LIC	BLCT	-19830503KE
25	WVIZ	CLEVELAND OH	33.4	CP	BPET	-20011228AAY
26	WVIZ-DT	CLEVELAND OH	33.4	PLN	DTVPLN	-DTVPO648
27	WKBN-TV	YOUNGSTOWN OH	78.6	LIC	BLCT	-20061018ACU
30	WBNX-TV	AKRON OH	36.7	LIC	BLCDT	-20070430AXX
30	WBNX-DT	AKRON OH	36.7	PLN	DTVPLN	-DTVPO796
31	WJW-DT	CLEVELAND OH	35.0	PLN	DTVPLN	-DTVPO835
38	WADL	MOUNT CLEMENS MI	197.7	LIC	BLCT	-19890531KG
38	NEW	SEWICKLEY PA	149.1	ADD	BPRM	-19960725AAN
23	WSAZ-TV	HUNTINGTON WV	289.1	APP	USERRECORD-01	

Total scenarios = 2

Result key: 81
Scenario 1 Affected station 9
Before Analysis

Results for: 23N OH AKRON BLCT 20010627ABZ LIC

	POPULATION	AREA (sq km)
within Noise Limited Contour	3864035	19438.0
not affected by terrain losses	3809746	19024.6
lost to NTSC IX	304196	1123.8
lost to additional IX by ATV	13510	212.7
lost to all IX	317706	1336.5

Potential Interfering Stations Included in above Scenario 1

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	WEWS-DT	CLEVELAND OH	36.2	PLN	DTVPLN	-DTVPO184
20	WFMJ-TV	YOUNGSTOWN OH	79.0	CP	BPCDT	-19991027AAV
20	WFMJ-DT	YOUNGSTOWN OH	79.0	PLN	DTVPLN	-DTVPO414
21	WFMJ-TV	YOUNGSTOWN OH	79.0	CP	BPCT	-20060516ABT
22	WFXP	ERIE PA	166.2	CP MOD	BMPCDT	-20070404ACJ
22	WFXP-DT	ERIE PA	166.5	PLN	DTVPLN	-DTVPO502
22	WPMY	PITTSBURGH PA	171.6	LIC	BLCT	-20000724ABO
23	WNDY-TV	MARION IN	381.2	LIC	BLCT	-19990430KE
23	WNLO	BUFFALO NY	309.8	LIC	BMLCT	-20001221ABI
23	WSAZ-DT	HUNTINGTON WV	289.2	PLN	DTVPLN	-DTVPO550
24	WSFJ-TV	NEWARK OH	144.3	LIC	BLCDT	-20060620ABC
24	WSFJ-DT	NEWARK OH	142.4	PLN	DTVPLN	-DTVPO580
24	WNWO-TV	TOLEDO OH	162.4	LIC	BLCT	-19830503KE
25	WVIZ	CLEVELAND OH	33.4	CP	BPET	-20011228AAY
26	WVIZ-DT	CLEVELAND OH	33.4	PLN	DTVPLN	-DTVPO648
27	WKBN-TV	YOUNGSTOWN OH	78.6	LIC	BLCT	-20061018ACU
30	WBNX-TV	AKRON OH	36.7	LIC	BLCDT	-20070430AXX
30	WBNX-DT	AKRON OH	36.7	PLN	DTVPLN	-DTVPO796
31	WJW-DT	CLEVELAND OH	35.0	PLN	DTVPLN	-DTVPO835
38	WADL	MOUNT CLEMENS MI	197.7	LIC	BLCT	-19890531KG
38	NEW	SEWICKLEY PA	149.1	ADD	BPRM	-19960725AAN
23	WSAZ-TV	HUNTINGTON WV	289.1	APP	USERRECORD-01	

After Analysis

Results for: 23N OH AKRON BLCT 20010627ABZ LIC

	POPULATION	AREA (sq km)
within Noise Limited Contour	3864035	19438.0

Table 1 WSAZ-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 18 of 35)

not affected by terrain losses	3809746	19024.6
lost to NTSC IX	304196	1123.8
lost to additional IX by ATV	21387	317.1
lost to all IX	325583	1440.9

Potential Interfering Stations Included in above Scenario 1

21N OH YOUNGSTOWN	BPCT	20060516ABT	CP
22N PA PITTSBURGH	BLCT	20000724ABO	LIC
23N NY BUFFALO	BMLCT	20001221ABI	LIC
24N OH TOLEDO	BLCT	19830503KE	LIC
25N OH CLEVELAND	BPET	20011228AAY	CP
27N OH YOUNGSTOWN	BLCT	20061018ACU	LIC
15A OH CLEVELAND	DTVPLN	DTVPO184	PLN
20A OH YOUNGSTOWN	BPCDT	19991027AAV	CP
22A PA ERIE	BMPCDT	20070404ACJ	CP
23A WV HUNTINGTON	USERRECORD01		APP

Percent new IX = 0.2039%

Worst case new IX 0.2039% Scenario 1

#####

Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
23	WVPX	AKRON OH	BSTA	-20080318ACG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	WEWS-DT	CLEVELAND OH	36.2	PLN	DTVPLN	-DTVPO184
20	WFMJ-TV	YOUNGSTOWN OH	79.0	CP	BPCDT	-19991027AAV
20	WFMJ-DT	YOUNGSTOWN OH	79.0	PLN	DTVPLN	-DTVPO414
21	WFMJ-TV	YOUNGSTOWN OH	79.0	CP	BPCT	-20060516ABT
22	WFXP	ERIE PA	166.2	CP MOD	BMPCDT	-20070404ACJ
22	WFXP-DT	ERIE PA	166.5	PLN	DTVPLN	-DTVPO502
22	WPMY	PITTSBURGH PA	171.6	LIC	BLCT	-20000724ABO
23	WNDY-TV	MARION IN	381.2	LIC	BLCT	-19990430KE
23	WNLO	BUFFALO NY	309.8	LIC	BMLCT	-20001221ABI
23	WSAZ-DT	HUNTINGTON WV	289.2	PLN	DTVPLN	-DTVPO550
24	WSFJ-TV	NEWARK OH	144.3	LIC	BLCDT	-20060620ABC
24	WSFJ-DT	NEWARK OH	142.4	PLN	DTVPLN	-DTVPO580
24	WNWO-TV	TOLEDO OH	162.4	LIC	BLCT	-19830503KE
25	WVIZ	CLEVELAND OH	33.4	CP	BPET	-20011228AAY
26	WVIZ-DT	CLEVELAND OH	33.4	PLN	DTVPLN	-DTVPO648
27	WKBN-TV	YOUNGSTOWN OH	78.6	LIC	BLCT	-20061018ACU
30	WBNX-TV	AKRON OH	36.7	LIC	BLCDT	-20070430AXX
30	WBNX-DT	AKRON OH	36.7	PLN	DTVPLN	-DTVPO796
31	WJW-DT	CLEVELAND OH	35.0	PLN	DTVPLN	-DTVPO835
38	WADL	MOUNT CLEMENS MI	197.7	LIC	BLCT	-19890531KG
38	NEW	SEWICKLEY PA	149.1	ADD	BPRM	-19960725AAN
23	WSAZ-TV	HUNTINGTON WV	289.1	APP	USERRECORD-01	

Proposal causes no interference

#####

Table 1 WSAZ-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 19 of 35)

Analysis of Interference to Affected Station 11

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
23	WVPX	AKRON OH	BPCDT	-20070625ACA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
22	WFXP	ERIE PA	166.2	CP MOD	BMPCDT	-20070404ACJ
22	WFXP-DT	ERIE PA	166.5	PLN	DTVPLN	-DTVP0502
22	WPMY	PITTSBURGH PA	171.6	LIC	BLCT	-20000724ABO
23	WNDY-TV	MARION IN	381.2	LIC	BLCT	-19990430KE
23	WNLO	BUFFALO NY	309.8	LIC	BMLCT	-20001221ABI
23	WSAZ-DT	HUNTINGTON WV	289.2	PLN	DTVPLN	-DTVP0550
24	WSFJ-TV	NEWARK OH	144.3	LIC	BLCT	-20060620ABC
24	WSFJ-DT	NEWARK OH	142.4	PLN	DTVPLN	-DTVP0580
24	WNWO-TV	TOLEDO OH	162.4	LIC	BLCT	-19830503KE
24	WNPB-TV	MORGANTOWN WV	216.6	LIC	BLET	-19930824KG
23	WSAZ-TV	HUNTINGTON WV	289.1	APP	USERRECORD-01	

Total scenarios = 1

Result key: 83
Scenario 1 Affected station 11
Before Analysis

Results for: 23A OH AKRON BPCDT 20070625ACA CP

HAAT	296.0 m, ATV ERP	317.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour			3958010	21723.2
not affected by terrain losses			3939364	21494.4
lost to NTSC IX			5547	80.3
lost to additional IX by ATV			6049	68.2
lost to ATV IX only			6738	92.3
lost to all IX			11596	148.5

Potential Interfering Stations Included in above Scenario 1

23N NY BUFFALO	BMLCT	20001221ABI	LIC
22A PA ERIE	BMPCDT	20070404ACJ	CP
23A WV HUNTINGTON	DTVPLN	DTVP0550	PLN

After Analysis

Results for: 23A OH AKRON BPCDT 20070625ACA CP

HAAT	296.0 m, ATV ERP	317.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour			3958010	21723.2
not affected by terrain losses			3939364	21494.4
lost to NTSC IX			5547	80.3
lost to additional IX by ATV			6330	72.3
lost to ATV IX only			7019	96.3
lost to all IX			11877	152.5

Potential Interfering Stations Included in above Scenario 1

23N NY BUFFALO	BMLCT	20001221ABI	LIC
22A PA ERIE	BMPCDT	20070404ACJ	CP
23A WV HUNTINGTON	USERRECORD01		APP

Table 1 WSAZ-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 20 of 35)

Percent new IX = 0.0072%

Worst case new IX 0.0072% Scenario 1

#####

Analysis of Interference to Affected Station 12

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
23	WPMC-DT	JELLICO TN	DTVPLN	-DTVP0542

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
22	WLEX-DT	LEXINGTON KY	186.0	PLN	DTVPLN	-DTVP0483
22	WKPI-TV	PIKEVILLE KY	176.2	PLN	DTVPLN	-NPLN1143
22	WCTE	COOKEVILLE TN	107.7	PLN	DTVPLN	-NPLN1156
23	WJSP-DT	COLUMBUS GA	398.3	PLN	DTVPLN	-DTVP0518
23	WELF	DALTON GA	195.2	PLN	DTVPLN	-NPLN1170
23	WKZTTV	ELIZABETHTOWN KY	204.5	PLN	DTVPLN	-NPLN1175
23	WBTV-DT	CHARLOTTE NC	293.3	PLN	DTVPLN	-DTVP0529
23	WNAB-DT	NASHVILLE TN	233.9	PLN	DTVPLN	-DTVP0543
23	WSAZ-DT	HUNTINGTON WV	290.3	PLN	DTVPLN	-DTVP0550
24	WNEG-DT	TOCCOA GA	212.8	PLN	DTVPLN	-DTVP0563
24	WKYUTV	BOWLING GREEN KY	213.9	PLN	DTVPLN	-NPLN1209
24	WKPI-DT	PIKEVILLE KY	176.2	PLN	DTVPLN	-DTVP0569

Results for: 23A TN JELLICO DTVPLN DTVP0542 PLN

HAAT	395.0 m, ATV ERP	50.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour			232099	5206.9
not affected by terrain losses			226370	4939.6
lost to NTSC IX			5450	67.8
lost to additional IX by ATV			176	16.0
lost to ATV IX only			1067	39.9
lost to all IX			5626	83.8

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
54	WPMC	JELLICO TN	DTVPLN	-NPLN1846

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
47	WSBNTV	NORTON VA	148.8	PLN	DTVPLN	-NPLN1725
50	WINT-DT	CROSSVILLE TN	36.4	PLN	DTVPLN	-DTVP1460
51	WAGV-DT	HARLAN KY	83.6	PLN	DTVPLN	-DTVP1480
52	WCTE-DT	COOKEVILLE TN	107.7	PLN	DTVPLN	-DTVP1519
53	WFLI	CLEVELAND TN	179.3	PLN	DTVPLN	-NPLN1831
54	WZDX	HUNTSVILLE AL	288.9	PLN	DTVPLN	-NPLN1833
54	WFXG	AUGUSTA GA	395.3	PLN	DTVPLN	-NPLN1837
54	WNIN-DT	EVANSVILLE IN	334.1	PLN	DTVPLN	-DTVP1547
54	WCVNTV	COVINGTON KY	292.7	PLN	DTVPLN	-NPLN1839
54	WUNE-DT	LINVILLE NC	212.8	PLN	DTVPLN	-DTVP1551
54	WOWK-DT	HUNTINGTON WV	290.5	PLN	DTVPLN	-DTVP1558
55	WRCB-DT	CHATTANOOGA TN	172.6	PLN	DTVPLN	-DTVP1576
57	WYMTTV	HAZARD KY	124.3	PLN	DTVPLN	-NPLN1879
61	WDSITV	CHATTANOOGA TN	166.3	PLN	DTVPLN	-NPLN1930

Table 1 WSAZ-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 21 of 35)

68	WLFG	GRUNDY VA	192.9	PLN	DTVPLN	-NPLN2008
Results for: 54N TN JELlico						
			POPULATION	AREA (sq km)	NPLN1846	PLN
	within Noise Limited Contour		232099	5206.9		
	not affected by terrain losses		163173	3758.5		
	lost to NTSC IX		0	0.0		
	lost to additional IX by ATV		0	0.0		
	lost to all IX		0	0.0		

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
23	WPMC-DT	JELlico TN	DTVPLN	-DTVP0542

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
22	WLEX-DT	LEXINGTON KY	186.0	PLN	DTVPLN	-DTVP0483
22	WKPI-TV	PIKEVILLE KY	176.2	LIC	BMLET	-19830426KN
23	WJSP-DT	COLUMBUS GA	398.3	PLN	DTVPLN	-DTVP0518
23	WELF-TV	DALTON GA	195.2	LIC	BLCT	-19940516KE
23	WKZT-TV	ELIZABETHTOWN KY	204.5	LIC	BLET	-19830404KF
23	WBTV-DT	CHARLOTTE NC	293.3	PLN	DTVPLN	-DTVP0529
23	WNAB-DT	NASHVILLE TN	233.9	PLN	DTVPLN	-DTVP0543
23	WNAB	NASHVILLE TN	234.9	LIC	BLCDT	-20040712AAO
23	WSAZ-DT	HUNTINGTON WV	290.3	PLN	DTVPLN	-DTVP0550
24	WNEG-DT	TOCCOA GA	212.8	PLN	DTVPLN	-DTVP0563
24	WKPI-DT	PIKEVILLE KY	176.2	PLN	DTVPLN	-DTVP0569
23	WSAZ-TV	HUNTINGTON WV	290.4	APP	USERRECORD-01	

Total scenarios = 2

Result key: 84

Scenario 1 Affected station 12
Before Analysis

Results for: 23A TN JELlico						
	HAAT	395.0 m, ATV ERP	50.0 kW	POPULATION	AREA (sq km)	DTVPLN DTVP0542 PLN
	within Noise Limited Contour			232099	5206.9	
	not affected by terrain losses			226370	4939.6	
	lost to NTSC IX			5450	67.8	
	lost to additional IX by ATV			176	16.0	
	lost to ATV IX only			1067	39.9	
	lost to all IX			5626	83.8	

Potential Interfering Stations Included in above Scenario 1

23N GA DALTON	BLCT	19940516KE	LIC
23N KY ELIZABETHTOWN	BLET	19830404KF	LIC
23A TN NASHVILLE	DTVPLN	DTVP0543	PLN
23A WV HUNTINGTON	DTVPLN	DTVP0550	PLN

After Analysis

Results for: 23A TN JELlico						
	HAAT	395.0 m, ATV ERP	50.0 kW	POPULATION	AREA (sq km)	DTVPLN DTVP0542 PLN
	within Noise Limited Contour			232099	5206.9	
	not affected by terrain losses			226370	4939.6	
	lost to NTSC IX			5450	67.8	

Table 1 WSAZ-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 22 of 35)

lost to additional IX by ATV	336	19.9
lost to ATV IX only	1227	43.9
lost to all IX	5786	87.8

Potential Interfering Stations Included in above Scenario 1

23N GA DALTON	BLCT	19940516KE	LIC
23N KY ELIZABETHTOWN	BLET	19830404KF	LIC
23A TN NASHVILLE	DTVPLN	DTVP0543	PLN
23A WV HUNTINGTON	USERRECORD01		APP

Percent new IX = 0.0725%

Worst case new IX 0.0725% Scenario 1

#####

Analysis of Interference to Affected Station 13

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
23	WPXK	JELlico TN	BLCDT	-20020510AAJ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
22	WLEX-DT	LEXINGTON KY	208.8	PLN	DTVPLN	-DTVP0483
22	WKPI-TV	PIKEVILLE KY	194.1	LIC	BMLET	-19830426KN
23	WJSP-DT	COLUMBUS GA	374.4	PLN	DTVPLN	-DTVP0518
23	WELF-TV	DALTON GA	173.3	LIC	BLCT	-19940516KE
23	WKZT-TV	ELIZABETHTOWN KY	218.4	LIC	BLET	-19830404KF
23	WBTV-DT	CHARLOTTE NC	289.7	PLN	DTVPLN	-DTVP0529
23	WNAB-DT	NASHVILLE TN	225.1	PLN	DTVPLN	-DTVP0543
23	WNAB	NASHVILLE TN	229.9	LIC	BLCDT	-20040712AAO
23	WSAZ-DT	HUNTINGTON WV	312.4	PLN	DTVPLN	-DTVP0550
24	WNEG-DT	TOCCOA GA	192.8	PLN	DTVPLN	-DTVP0563
24	WKPI-DT	PIKEVILLE KY	194.1	PLN	DTVPLN	-DTVP0569
23	WSAZ-TV	HUNTINGTON WV	312.4	APP	USERRECORD-01	

Total scenarios = 2

Result key: 86

Scenario 1 Affected station 13
Before Analysis

Results for: 23A TN JELlico						
	HAAT	608.0 m, ATV ERP	18.0 kW	POPULATION	AREA (sq km)	BLCDT 20020510AAJ LIC
	within Noise Limited Contour			939381	20459.7	
	not affected by terrain losses			881731	18356.2	
	lost to NTSC IX			13960	567.9	
	lost to additional IX by ATV			946	44.0	
	lost to ATV IX only			3836	168.0	
	lost to all IX			14906	611.9	

Potential Interfering Stations Included in above Scenario 1

23N GA DALTON	BLCT	19940516KE	LIC
23N KY ELIZABETHTOWN	BLET	19830404KF	LIC

Table 1 WSAZ-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 23 of 35)

23A NC CHARLOTTE	DTVPLN	DTVP0529	PLN
23A TN NASHVILLE	DTVPLN	DTVP0543	PLN
23A WV HUNTINGTON	DTVPLN	DTVP0550	PLN

After Analysis

Results for: 23A TN JELICO BLCDT 20020510AAJ LIC
HAAT 608.0 m, ATV ERP 18.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	939381	20459.7
not affected by terrain losses	881731	18356.2
lost to NTSC IX	13960	567.9
lost to additional IX by ATV	2559	68.0
lost to ATV IX only	5409	200.0
lost to all IX	16519	635.9

Potential Interfering Stations Included in above Scenario 1

23N GA DALTON	BLCT	19940516KE	LIC
23N KY ELIZABETHTOWN	BLET	19830404KF	LIC
23A NC CHARLOTTE	DTVPLN	DTVP0529	PLN
23A TN NASHVILLE	DTVPLN	DTVP0543	PLN
23A WV HUNTINGTON	USERRECORD01	APP	

Percent new IX = 0.7307%

Worst case new IX 0.7307% Scenario 1

#####

Analysis of Interference to Affected Station 14

DTV Baseline Analysis

Channel	Call	City/State	Application Ref. No.
24	WCVN-DT	COVINGTON KY	DTVPLN -DTVP0568

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
23	WNDYTV	MARION IN	174.6	PLN	DTVPLN -NPLN1174
23	WKZTTV	ELIZABETHTOWN KY	189.8	PLN	DTVPLN -NPLN1175
23	WSAZ-DT	HUNTINGTON WV	206.5	PLN	DTVPLN -DTVP0550
24	WPTA-DT	FORT WAYNE IN	237.4	PLN	DTVPLN -DTVP0566
24	WTHI-DT	TERRE HAUTE IN	249.3	PLN	DTVPLN -DTVP0567
24	WKYUTV	BOWLING GREEN KY	276.1	PLN	DTVPLN -NPLN1209
24	WKPI-DT	PIKEVILLE KY	260.1	PLN	DTVPLN -DTVP0569
24	WSFJ-DT	NEWARK OH	206.8	PLN	DTVPLN -DTVP0580
24	WNNWTV	TOLEDO OH	308.9	PLN	DTVPLN -NPLN1220
24	WNPBTV	MORGANTOWN WV	414.3	PLN	DTVPLN -NPLN1234
25	WRTV-DT	INDIANAPOLIS IN	174.5	PLN	DTVPLN -DTVP0602
25	WKAS	ASHLAND KY	175.3	PLN	DTVPLN -NPLN1245

Results for: 24A KY COVINGTON DTVPLN DTVP0568 PLN
HAAT 122.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1571873	5890.3
not affected by terrain losses	1571873	5890.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0

Table 1 WSAZ-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 24 of 35)

lost to all IX 0 0.0

NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
54	WCVNTV	COVINGTON KY	DTVPLN -NPLN1839

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
46	WKLE	LEXINGTON KY	128.9	PLN	DTVPLN -NPLN1702
46	WWHO-DT	CHILLICOTHE OH	135.0	PLN	DTVPLN -DTVP1336
47	WAVE-DT	LOUISVILLE KY	102.0	PLN	DTVPLN -DTVP1361
50	WDTN-DT	DAYTON OH	79.4	PLN	DTVPLN -DTVP1456
51	WFTE-DT	SALEM IN	138.9	PLN	DTVPLN -DTVP1479
51	WKEF-DT	DAYTON OH	79.6	PLN	DTVPLN -DTVP1488
52	WKON	OWENTON KY	62.0	PLN	DTVPLN -NPLN1807
53	WTTV-DT	BLOOMINGTON IN	147.4	PLN	DTVPLN -DTVP1529
53	WWHO	CHILLICOTHE OH	135.0	PLN	DTVPLN -NPLN1827
54	WNIN-DT	EVANSVILLE IN	272.3	PLN	DTVPLN -DTVP1547
54	WTTK-DT	KOKOMO IN	191.0	PLN	DTVPLN -DTVP1548
54	WUNE-DT	LINVILLE NC	404.8	PLN	DTVPLN -DTVP1551
54	WPMC	JELICO TN	292.7	PLN	DTVPLN -NPLN1846
54	WOWK-DT	HUNTINGTON WV	207.4	PLN	DTVPLN -DTVP1558
55	WHAS-TV	LOUISVILLE KY	138.4	PLN	DTVPLN -DTVP1566
56	WDKYTV	DANVILLE KY	138.9	PLN	DTVPLN -NPLN1866
58	WFTE	SALEM IN	138.9	PLN	DTVPLN -NPLN1893
58	WPTD-DT	DAYTON OH	79.9	PLN	DTVPLN -DTVP1632
61	WTSF	ASHLAND KY	194.7	PLN	DTVPLN -NPLN1925
68	WKMJTV	LOUISVILLE KY	136.6	PLN	DTVPLN -NPLN2000

Results for: 54N KY COVINGTON DTVPLN NPLN1839 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	1571873	5890.3
not affected by terrain losses	1533317	5451.0
lost to NTSC IX	381	31.9
lost to additional IX by ATV	24461	219.6
lost to all IX	24842	251.6

Analysis of current record

Channel	Call	City/State	Application Ref. No.
24	WCVN-DT	COVINGTON KY	DTVPLN -DTVP0568

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
23	WNDY-TV	MARION IN	174.6	LIC	BLCT -19990430KE
23	WKZT-TV	ELIZABETHTOWN KY	189.8	LIC	BLET -19830404KF
23	WSAZ-DT	HUNTINGTON WV	206.5	PLN	DTVPLN -DTVP0550
24	WPTA	FORT WAYNE IN	237.4	LIC	BLCDDT -20031031AGU
24	WPTA-DT	FORT WAYNE IN	237.4	PLN	DTVPLN -DTVP0566
24	WTHI-DT	TERRE HAUTE IN	249.3	PLN	DTVPLN -DTVP0567
24	WKPI-DT	PIKEVILLE KY	260.1	PLN	DTVPLN -DTVP0569
24	WSFJ-TV	NEWARK OH	194.1	LIC	BLCDDT -20060620ABC
24	WSFJ-DT	NEWARK OH	206.8	PLN	DTVPLN -DTVP0580
24	WNNW-TV	TOLEDO OH	308.9	LIC	BLCT -19830503KE
24	WNPB-TV	MORGANTOWN WV	414.3	LIC	BLET -19930824KG
25	WRTV-DT	INDIANAPOLIS IN	174.5	PLN	DTVPLN -DTVP0602
25	WKAS	ASHLAND KY	175.3	LIC	BLET -423
23	WSAZ-TV	HUNTINGTON WV	206.5	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

Table 1 WSAZ-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 25 of 35)

#####

Analysis of Interference to Affected Station 15

DTV Baseline Analysis

Channel	Call	City/State	Application Ref. No.
24	WKPI-DT	PIKEVILLE KY	DTVPLN -DTVP0569

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
23	WPMC-DT	JELLYCO TN	176.2	PLN	DTVPLN -DTVP0542
23	WSAZ-DT	HUNTINGTON WV	138.7	PLN	DTVPLN -DTVP0550
24	WNEG-DT	TOCCOA GA	306.6	PLN	DTVPLN -DTVP0563
24	WKYUTV	BOWLING GREEN KY	347.2	PLN	DTVPLN -NPLN1209
24	WCVN-DT	COVINGTON KY	260.1	PLN	DTVPLN -DTVP0568
24	WTVI-DT	CHARLOTTE NC	276.0	PLN	DTVPLN -DTVP0574
24	WSFJ-DT	NEWARK OH	296.2	PLN	DTVPLN -DTVP0580
24	WDRLT	DANVILLE VA	284.6	PLN	DTVPLN -NPLN1230
24	WNPBT	MORGANTOWN WV	359.9	PLN	DTVPLN -NPLN1234
25	WKAS	ASHLAND KY	131.1	PLN	DTVPLN -NPLN1245
25	WUNF-DT	ASHEVILLE NC	207.7	PLN	DTVPLN -DTVP0608

Results for: 24A KY PIKEVILLE DTVPLN DTVP0569 PLN

	POPULATION	AREA (sq km)
HAAT 430.0 m, ATV ERP 50.0 kW		
within Noise Limited Contour	523158	19509.2
not affected by terrain losses	453864	17090.7
lost to NTSC IX	833	44.4
lost to additional IX by ATV	809	105.0
lost to ATV IX only	1400	117.1
lost to all IX	1642	149.4

NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
22	WKPTV	PIKEVILLE KY	DTVPLN -NPLN1143

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
14	WLFB-DT	BLUEFIELD WV	112.1	PLN	DTVPLN -DTVP0156
15	WKMR-DT	MOREHEAD KY	125.8	PLN	DTVPLN -DTVP0169
15	WKOPTV	KNOXVILLE TN	190.1	PLN	DTVPLN -NPLN0934
19	WKPTTV	KINGSPORT TN	100.9	PLN	DTVPLN -NPLN1058
19	WVAH-DT	CHARLESTON WV	136.8	PLN	DTVPLN -DTVP0382
21	WAOM-DT	MOREHEAD KY	134.8	PLN	DTVPLN -DTVP0440
22	WLEX-DT	LEXINGTON KY	193.2	PLN	DTVPLN -DTVP0483
22	WCNC-DT	CHARLOTTE NC	247.2	PLN	DTVPLN -DTVP0492
22	WLFL	RALEIGH NC	374.4	PLN	DTVPLN -NPLN1148
22	WKEF	DAYTON OH	310.0	PLN	DTVPLN -NPLN1150
22	WCTE	COOKEVILLE TN	279.8	PLN	DTVPLN -NPLN1156
23	WPMC-DT	JELLYCO TN	176.2	PLN	DTVPLN -DTVP0542
23	WSAZ-DT	HUNTINGTON WV	138.7	PLN	DTVPLN -DTVP0550
24	WKPI-DT	PIKEVILLE KY	0.0	PLN	DTVPLN -DTVP0569
25	WKAS	ASHLAND KY	131.1	PLN	DTVPLN -NPLN1245
26	WKAS-DT	ASHLAND KY	131.1	PLN	DTVPLN -DTVP0638
29	WKSOTV	SOMERSET KY	204.0	PLN	DTVPLN -NPLN1357
29	WKRPTV	CHARLESTON WV	147.2	PLN	DTVPLN -NPLN1371
36	WTQTV	LEXINGTON KY	184.4	PLN	DTVPLN -NPLN1520

Table 1 WSAZ-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 26 of 35)

Results for: 22N KY PIKEVILLE	DTVPLN	NPLN1143	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	523158	19509.2	
not affected by terrain losses	435111	16255.0	
lost to NTSC IX	4130	319.0	
lost to additional IX by ATV	3779	181.7	
lost to all IX	7909	500.6	

Analysis of current record

Channel	Call	City/State	Application Ref. No.
24	WKPI-DT	PIKEVILLE KY	DTVPLN -DTVP0569

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
23	WPMC-DT	JELLYCO TN	176.2	PLN	DTVPLN -DTVP0542
23	WPXK	JELLYCO TN	194.1	LIC	BLCDT -20020510AAJ
23	WSAZ-DT	HUNTINGTON WV	138.7	PLN	DTVPLN -DTVP0550
24	WNEG-DT	TOCCOA GA	306.6	PLN	DTVPLN -DTVP0563
24	WCVN-DT	COVINGTON KY	260.1	PLN	DTVPLN -DTVP0568
24	WTVI-DT	CHARLOTTE NC	276.0	PLN	DTVPLN -DTVP0574
24	WFPX-TV	FAYETTEVILLE NC	408.8	APP	BPRM -20020327ABP
24	WSFJ-TV	NEWARK OH	310.9	LIC	BLCDT -20060620ABC
24	WSFJ-DT	NEWARK OH	296.2	PLN	DTVPLN -DTVP0580
24	WDRL-TV	DANVILLE VA	263.4	CP	BPCDT -20080317AIL
24	WNPB-TV	MORGANTOWN WV	359.9	LIC	BLET -19930824KG
25	WKAS	ASHLAND KY	131.1	LIC	BLET -423
25	WUNF-DT	ASHEVILLE NC	207.7	PLN	DTVPLN -DTVP0608
25	WUNF-TV	ASHEVILLE NC	207.7	LIC	BLEDT -20030401BAI
23	WSAZ-TV	HUNTINGTON WV	138.8	APP	USERRECORD-01

Total scenarios = 2

Result key: 88
Scenario 1 Affected station 15
Before Analysis

Results for: 24A KY PIKEVILLE DTVPLN DTVP0569 PLN

	POPULATION	AREA (sq km)
HAAT 430.0 m, ATV ERP 50.0 kW		
within Noise Limited Contour	523158	19509.2
not affected by terrain losses	453864	17090.7
lost to NTSC IX	749	28.3
lost to additional IX by ATV	1027	121.1
lost to ATV IX only	1618	125.2
lost to all IX	1776	149.4

Potential Interfering Stations Included in above Scenario 1

24N WV MORGANTOWN	BLET	19930824KG	LIC
24A KY COVINGTON	DTVPLN	DTVP0568	PLN
24A OH NEWARK	BLCDT	20060620ABC	LIC
23A WV HUNTINGTON	DTVPLN	DTVP0550	PLN

After Analysis

Results for: 24A KY PIKEVILLE DTVPLN DTVP0569 PLN

	POPULATION	AREA (sq km)
HAAT 430.0 m, ATV ERP 50.0 kW		
within Noise Limited Contour	523158	19509.2

Table 1 WSAZ-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 27 of 35)

not affected by terrain losses	453864	17090.7
lost to NTSC IX	749	28.3
lost to additional IX by ATV	1077	125.2
lost to ATV IX only	1748	133.2
lost to all IX	1826	153.4

Potential Interfering Stations Included in above Scenario 1

24N WV MORGANTOWN	BLET	19930824KG	LIC
24A KY COVINGTON	DTVPLN	DTVP0568	PLN
24A OH NEWARK	BLCDT	20060620ABC	LIC
23A WV HUNTINGTON	USERRECORD01		APP

Percent new IX = 0.0111%

Worst case new IX 0.0111% Scenario 1

#####

Analysis of Interference to Affected Station 16

DTV Baseline Analysis

Channel	Call	City/State	Application Ref. No.
24	WSFJ-DT	NEWARK OH	DTVPLN -DTVP0580

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
23	WAKCTV	AKRON OH	142.4	PLN	DTVPLN -NPLN1186
23	WSAZ-DT	HUNTINGTON WV	160.7	PLN	DTVPLN -DTVP0550
24	WPTA-DT	FORT WAYNE IN	267.3	PLN	DTVPLN -DTVP0566
24	WCVN-DT	COVINGTON KY	206.8	PLN	DTVPLN -DTVP0568
24	WKPI-DT	PIKEVILLE KY	296.2	PLN	DTVPLN -DTVP0569
24	WNWOTV	TOLEDO OH	207.1	PLN	DTVPLN -NPLN1220
24	WATM-DT	ALTOONA PA	343.3	PLN	DTVPLN -DTVP0582
24	WJETTV	ERIE PA	304.3	PLN	DTVPLN -NPLN1222
24	WNPBT	MORGANTOWN WV	227.7	PLN	DTVPLN -NPLN1234
25	WKAS	ASHLAND KY	166.2	PLN	DTVPLN -NPLN1245
25	WVIZ	CLEVELAND OH	164.8	PLN	DTVPLN -NPLN1255
25	KDKA-DT	PITTSBURGH PA	211.7	PLN	DTVPLN -DTVP0614

Results for: 24A OH NEWARK DTVPLN DTVP0580 PLN

HAAT 189.0 m, ATV ERP 50.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	1292483	10464.2
not affected by terrain losses	1292133	10440.0
lost to NTSC IX	4694	56.5
lost to additional IX by ATV	95	4.0
lost to ATV IX only	169	12.1
lost to all IX	4789	60.6

NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
51	WSFJTV	NEWARK OH	DTVPLN -NPLN1798

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
44	WOUCTV	CAMBRIDGE OH	96.7	PLN	DTVPLN -NPLN1666
44	WTLW	LIMA OH	175.4	PLN	DTVPLN -NPLN1667

Table 1 WSAZ-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 28 of 35)

49	WTAP-DT	PARKERSBURG WV	98.2	PLN	DTVPLN -DTVP1436
50	WEAO-DT	AKRON OH	142.1	PLN	DTVPLN -DTVP1455
50	WDTN-DT	DAYTON OH	159.7	PLN	DTVPLN -DTVP1456
51	WFTE-DT	SALEM IN	345.6	PLN	DTVPLN -DTVP1479
51	WAGV-DT	HARLAN KY	359.9	PLN	DTVPLN -DTVP1480
51	WLAJ-DT	LANSING MI	326.7	PLN	DTVPLN -DTVP1481
51	WKEF-DT	DAYTON OH	160.0	PLN	DTVPLN -DTVP1488
51	WTAE-DT	PITTSBURGH PA	224.6	PLN	DTVPLN -DTVP1490
51	WVPT	STAUNTON VA	332.6	PLN	DTVPLN -NPLN1802
52	WGGNTV	SANDUSKY OH	164.2	PLN	DTVPLN -NPLN1812
52	WBOY-DT	CLARKSBURG WV	192.7	PLN	DTVPLN -DTVP1522
53	WWHO	CHILLICOTHE OH	72.1	PLN	DTVPLN -NPLN1827

Results for: 51N OH NEWARK DTVPLN NPLN1798 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	1292483	10464.2
not affected by terrain losses	1274952	10117.0
lost to NTSC IX	9951	286.6
lost to additional IX by ATV	217625	900.3
lost to all IX	227576	1186.9

Analysis of current record

Channel	Call	City/State	Application Ref. No.
24	WSFJ-TV	NEWARK OH	BLCDT -20060620ABC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
23	WVPX	AKRON OH	144.3	LIC	BLCT -20010627ABZ
23	WVPX	AKRON OH	144.3	APP	BSTA -20080318ACG
23	WVPX	AKRON OH	144.3	CP	BPCDT -20070625ACA
23	WSAZ-DT	HUNTINGTON WV	179.2	PLN	DTVPLN -DTVP0550
24	WPTA	FORT WAYNE IN	238.9	LIC	BLCDT -20031031AGU
24	WPTA-DT	FORT WAYNE IN	238.9	PLN	DTVPLN -DTVP0566
24	WTHI-DT	TERRE HAUTE IN	411.9	PLN	DTVPLN -DTVP0567
24	WCVN-DT	COVINGTON KY	194.1	PLN	DTVPLN -DTVP0568
24	WKPI-DT	PIKEVILLE KY	310.9	PLN	DTVPLN -DTVP0569
24	WTLJ-DT	MUSKEGON MI	416.5	PLN	DTVPLN -DTVP0571
24	WTLJ	MUSKEGON MI	416.5	LIC	BLCDT -20051115ABP
24	WNWO-TV	TOLEDO OH	185.1	LIC	BLCT -19830503KE
24	WATM-TV	ALTOONA PA	364.3	LIC	BLCDT -20050603ACF
24	WATM-DT	ALTOONA PA	364.3	PLN	DTVPLN -DTVP0582
24	WNPB-TV	MORGANTOWN WV	253.7	LIC	BLET -19930824KG
25	WKAS	ASHLAND KY	179.8	LIC	BLET -423
25	WVIZ	CLEVELAND OH	161.7	CP	BPET -20011228AAY
23	WSAZ-TV	HUNTINGTON WV	179.1	APP	USERRECORD-01

Proposal causes no interference

#####

Analysis of Interference to Affected Station 17

Analysis of current record

Channel	Call	City/State	Application Ref. No.
24	WSFJ-DT	NEWARK OH	DTVPLN -DTVP0580

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
23	WVPX	AKRON OH	142.4	LIC	BLCT -20010627ABZ

Table 1 WSAZ-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 29 of 35)

23	WVPX	AKRON OH	142.4	APP	BSTA	-20080318ACG
23	WVPX	AKRON OH	142.4	CP	BPCDT	-20070625ACA
23	WSAZ-DT	HUNTINGTON WV	160.7	PLN	DTVPLN	-DTVP0550
24	WPTA	FORT WAYNE IN	267.3	LIC	BLCDT	-20031031AGU
24	WPTA-DT	FORT WAYNE IN	267.3	PLN	DTVPLN	-DTVP0566
24	WCVN-DT	COVINGTON KY	206.8	PLN	DTVPLN	-DTVP0568
24	WKPI-DT	PIKEVILLE KY	296.2	PLN	DTVPLN	-DTVP0569
24	WNWO-TV	TOLEDO OH	207.1	LIC	BLCT	-19830503KE
24	WATM-TV	ALTOONA PA	343.3	LIC	BLCDT	-20050603ACF
24	WATM-DT	ALTOONA PA	343.3	PLN	DTVPLN	-DTVP0582
24	WDRL-TV	DANVILLE VA	409.3	CP	BPCDT	-20080317AIL
24	WNPB-TV	MORGANTOWN WV	227.7	LIC	BLET	-19930824KG
25	WKAS	ASHLAND KY	166.2	LIC	BLET	-423
25	WVIZ	CLEVELAND OH	164.8	CP	BPET	-20011228AAY
25	KDKA-TV	PITTSBURGH PA	211.7	LIC	BLCDT	-20041004ACS
25	KDKA-DT	PITTSBURGH PA	211.7	PLN	DTVPLN	-DTVP0614
23	WSAZ-TV	HUNTINGTON WV	160.7	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 18

NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
25	WKAS	ASHLAND KY	DTVPLN -NPLN1245

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
17	WUXA-DT	PORTSMOUTH OH	50.8	PLN	DTVPLN -DTVP0275
18	WLEX-TV	LEXINGTON KY	168.8	PLN	DTVPLN -NPLN1019
18	WHIZTV	ZANESVILLE OH	171.9	PLN	DTVPLN -NPLN1028
21	WAOM-DT	MOREHEAD KY	69.1	PLN	DTVPLN -DTVP0440
22	WKPI-TV	PIKEVILLE KY	131.1	PLN	DTVPLN -NPLN1143
23	WSAZ-DT	HUNTINGTON WV	35.3	PLN	DTVPLN -DTVP0550
24	WCVN-DT	COVINGTON KY	175.3	PLN	DTVPLN -DTVP0568
24	WKPI-DT	PIKEVILLE KY	131.1	PLN	DTVPLN -DTVP0569
24	WSFJ-DT	NEWARK OH	166.2	PLN	DTVPLN -DTVP0580
25	WRTV-DT	INDIANAPOLIS IN	347.4	PLN	DTVPLN -DTVP0602
25	WUNF-DT	ASHEVILLE NC	337.7	PLN	DTVPLN -DTVP0608
25	WVIZ	CLEVELAND OH	328.7	PLN	DTVPLN -NPLN1255
25	KDKA-DT	PITTSBURGH PA	317.5	PLN	DTVPLN -DTVP0614
26	WKAS-DT	ASHLAND KY	0.0	PLN	DTVPLN -DTVP0638
26	WTJC	SPRINGFIELD OH	193.1	PLN	DTVPLN -NPLN1287
27	WOUB-DT	ATHENS OH	103.1	PLN	DTVPLN -DTVP0683
29	WKRP-TV	CHARLESTON WV	73.4	PLN	DTVPLN -NPLN1371
33	WPBY-TV	HUNTINGTON WV	36.7	PLN	DTVPLN -NPLN1463
39	WKRP-DT	CHARLESTON WV	73.4	PLN	DTVPLN -DTVP1113
40	WLFB	BLUEFIELD WV	182.5	PLN	DTVPLN -NPLN1597

Results for: 25N KY ASHLAND		DTVPLN	NPLN1245	PLN
		POPULATION	AREA (sq km)	
within Noise Limited Contour		389904	7490.0	
not affected by terrain losses		374154	6869.8	
lost to NTSC IX		2782	72.5	
lost to additional IX by ATV		31653	334.2	
lost to all IX		34435	406.7	

Table 1 WSAZ-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 30 of 35)

Analysis of current record		City/State	Application Ref. No.
Channel	Call		
25	WKAS	ASHLAND KY	BLET -423

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
17	WUXA-DT	PORTSMOUTH OH	50.8	PLN	DTVPLN -DTVP0275
18	WLEX-TV	LEXINGTON KY	168.8	LIC	BLCT -19850221KF
18	WLEX-TV	LEXINGTON KY	168.8	APP	BSTA -20090413AED
21	WUPX-TV	MOREHEAD KY	107.9	LIC	BLCDT -20040901ACJ
21	WAOM-DT	MOREHEAD KY	69.1	PLN	DTVPLN -DTVP0440
22	WKPI-TV	PIKEVILLE KY	131.1	LIC	BMLET -19830426KN
23	WSAZ-DT	HUNTINGTON WV	35.3	PLN	DTVPLN -DTVP0550
24	WCVN-DT	COVINGTON KY	175.3	PLN	DTVPLN -DTVP0568
24	WKPI-DT	PIKEVILLE KY	131.1	PLN	DTVPLN -DTVP0569
24	WSFJ-TV	NEWARK OH	179.8	LIC	BLCDT -20060620ABC
24	WSFJ-DT	NEWARK OH	166.2	PLN	DTVPLN -DTVP0580
25	WRTV-DT	INDIANAPOLIS IN	347.4	PLN	DTVPLN -DTVP0602
25	WUNF-DT	ASHEVILLE NC	337.7	PLN	DTVPLN -DTVP0608
25	WUNF-TV	ASHEVILLE NC	337.7	LIC	BLEDT -20030401BAI
25	WVIZ	CLEVELAND OH	328.7	CP	BPET -20011228AAY
25	KDKA-TV	PITTSBURGH PA	317.5	LIC	BLCDT -20041004ACS
25	KDKA-DT	PITTSBURGH PA	317.5	PLN	DTVPLN -DTVP0614
26	WKAS-DT	ASHLAND KY	0.0	PLN	DTVPLN -DTVP0638
26	WBDT	SPRINGFIELD OH	199.0	LIC	BLCT -20001103ABK
27	WOUB-TV	ATHENS OH	103.1	LIC	BLEDT -20030411ABC
27	WOUB-DT	ATHENS OH	103.1	PLN	DTVPLN -DTVP0683
29	WLFX-TV	CHARLESTON WV	73.4	LIC	BLCT -19990426AAA
32	960722KP	XENIA OH	161.9	APP	BPCT -19960722KP
33	WPBY-TV	HUNTINGTON WV	36.7	LIC	BMLET -20030313AVQ
33	WPBY-TV	HUNTINGTON WV	36.7	APP	BSTA -20081222ABS
33	WPBY-TV	HUNTINGTON WV	36.7	APP	BSTA -20070829ACA
39	WLFX-TV	CHARLESTON WV	73.4	LIC	BLCDT -20020510AAM
39	WKRP-DT	CHARLESTON WV	73.4	PLN	DTVPLN -DTVP1113
40	WLFB	BLUEFIELD WV	182.5	LIC	BLCT -20001121AIB
23	WSAZ-TV	HUNTINGTON WV	35.3	APP	USERRECORD-01

Total scenarios = 2

Result key:	90
Scenario	1 Affected station 18
Before Analysis	

Results for: 25N KY ASHLAND		BLET	423	LIC
		POPULATION	AREA (sq km)	
within Noise Limited Contour		389904	7490.0	
not affected by terrain losses		374154	6869.8	
lost to NTSC IX		3074	104.7	
lost to additional IX by ATV		31582	330.2	
lost to all IX		34656	434.9	

Potential Interfering Stations Included in above Scenario 1

29N WV CHARLESTON	BLCT	19990426AAA	LIC
33N WV HUNTINGTON	BMLET	20030313AVQ	LIC
17A OH PORTSMOUTH	DTVPLN	DTVP0275	PLN
25A PA PITTSBURGH	BLCDT	20041004ACS	LIC
23A WV HUNTINGTON	DTVPLN	DTVP0550	PLN

Table 1 WSAZ-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 31 of 35)

After Analysis

Results for: 25N KY ASHLAND	BLET	423	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	389904	7490.0	
not affected by terrain losses	374154	6869.8	
lost to NTSC IX	3074	104.7	
lost to additional IX by ATV	36418	390.6	
lost to all IX	39492	495.3	

Potential Interfering Stations Included in above Scenario 1

29N WV CHARLESTON	BLCT	19990426AAA	LIC
33N WV HUNTINGTON	BMLET	20030313AVQ	LIC
17A OH PORTSMOUTH	DTVPLN	DTVPO275	PLN
25A PA PITTSBURGH	BLCDT	20041004ACS	LIC
23A WV HUNTINGTON	USERRECORD01	APP	

Percent new IX = 1.2403%

Worst case new IX 1.2403% Scenario 1

#####

Analysis of Interference to Affected Station 19

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
30	WUXA	PORTSMOUTH OH	DTVPLN	-NPLN1386

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
23	WSAZ-DT	HUNTINGTON WV	78.3	PLN	DTVPLN	-DTVPO550
26	WKAS-DT	ASHLAND KY	50.8	PLN	DTVPLN	-DTVPO638
27	WKYT-TV	LEXINGTON KY	141.8	PLN	DTVPLN	-NPLN1304
27	WOUB-DT	ATHENS OH	99.9	PLN	DTVPLN	-DTVPO683
29	WXIX-DT	NEWPORT KY	134.6	PLN	DTVPLN	-DTVPO744
29	WKRPTV	CHARLESTON WV	116.2	PLN	DTVPLN	-NPLN1371
30	WTIU	BLOOMINGTON IN	299.8	PLN	DTVPLN	-NPLN1381
30	WKOH-DT	OWENSBORO KY	385.6	PLN	DTVPLN	-DTVPO788
30	WBNX-DT	AKRON OH	313.7	PLN	DTVPLN	-DTVPO796
30	WRGT-DT	DAYTON OH	148.4	PLN	DTVPLN	-DTVPO797
30	WGTETV	TOLEDO OH	323.4	PLN	DTVPLN	-NPLN1387
30	WTWB-DT	JOHNSTOWN PA	369.8	PLN	DTVPLN	-DTVPO799
30	WVLT-DT	KNOXVILLE TN	315.4	PLN	DTVPLN	-DTVPO802
30	WSLS-DT	ROANOKE VA	308.6	PLN	DTVPLN	-DTVPO807
31	WKRC-DT	CINCINNATI OH	130.6	PLN	DTVPLN	-DTVPO834
33	WSTR-DT	CINCINNATI OH	135.4	PLN	DTVPLN	-DTVPO912
33	WPBY-TV	HUNTINGTON WV	80.4	PLN	DTVPLN	-NPLN1463
34	WCET-DT	CINCINNATI OH	132.5	PLN	DTVPLN	-DTVPO950
34	WPBY-DT	HUNTINGTON WV	80.4	PLN	DTVPLN	-DTVPO961
38	WKMR	MOREHEAD KY	71.5	PLN	DTVPLN	-NPLN1544
44	WTSF-DT	ASHLAND KY	68.8	PLN	DTVPLN	-DTVPI264
45	WRGTTV	DAYTON OH	148.4	PLN	DTVPLN	-NPLN1689

Results for: 30N OH PORTSMOUTH	DTVPLN	NPLN1386	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	561066	15719.3	
not affected by terrain losses	488282	14660.1	

Table 1 WSAZ-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 32 of 35)

lost to NTSC IX	42404	280.8
lost to additional IX by ATV	6391	421.3
lost to all IX	48795	702.1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
30	WQCW	PORTSMOUTH OH	BLCT	-19981116KI

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
23	WSAZ-DT	HUNTINGTON WV	78.3	PLN	DTVPLN	-DTVPO550
26	WKAS-DT	ASHLAND KY	50.8	PLN	DTVPLN	-DTVPO638
27	WKYT-TV	LEXINGTON KY	141.7	LIC	BLCT	-19890526KE
27	WOUB-TV	ATHENS OH	99.8	LIC	BLEDT	-20030411ABC
27	WOUB-DT	ATHENS OH	99.9	PLN	DTVPLN	-DTVPO683
28	WTTE	COLUMBUS OH	130.7	LIC	BLCT	-20030825ALW
28	WPOT	OXFORD OH	134.6	LIC	BLEDT	-20040714AAQ
29	WXIX-DT	NEWPORT KY	134.6	PLN	DTVPLN	-DTVPO744
29	WLPX-TV	CHARLESTON WV	116.2	LIC	BLCT	-19990426AAA
30	WTIU	BLOOMINGTON IN	299.8	LIC	BLET	-20020919ABC
30	WKOH-DT	OWENSBORO KY	385.6	PLN	DTVPLN	-DTVPO788
30	WBNX-TV	AKRON OH	313.7	LIC	BLCDT	-20070430AXX
30	WBNX-DT	AKRON OH	313.7	PLN	DTVPLN	-DTVPO796
30	WRGT-DT	DAYTON OH	148.4	PLN	DTVPLN	-DTVPO797
30	WRGT-TV	DAYTON OH	148.4	CP	BPCDT	-19991101ADJ
30	WTWB-DT	JOHNSTOWN PA	369.8	PLN	DTVPLN	-DTVPO799
30	WVLT-DT	KNOXVILLE TN	315.4	PLN	DTVPLN	-DTVPO802
30	WVLT-TV	KNOXVILLE TN	317.4	LIC	BLCDT	-20040420AAF
30	WSLS-DT	ROANOKE VA	308.6	PLN	DTVPLN	-DTVPO807
31	WKRC-DT	CINCINNATI OH	130.6	PLN	DTVPLN	-DTVPO834
32	960722KP	XENIA OH	115.4	APP	BPCT	-19960722KP
33	WSTR-DT	CINCINNATI OH	135.4	PLN	DTVPLN	-DTVPO912
33	WSTR-TV	CINCINNATI OH	135.4	CP MOD	BMPCDT	-20070720AAM
33	WPBY-TV	HUNTINGTON WV	80.4	LIC	BMLET	-20030313AVQ
33	WPBY-TV	HUNTINGTON WV	80.4	APP	BSTA	-20081222ABS
33	WPBY-TV	HUNTINGTON WV	80.4	APP	BSTA	-20070829ACA
34	WCET	CINCINNATI OH	132.5	LIC	BLEDT	-20061031AAR
34	WCET-DT	CINCINNATI OH	132.5	PLN	DTVPLN	-DTVPO950
34	WPBY-DT	HUNTINGTON WV	80.4	PLN	DTVPLN	-DTVPO961
38	WKMR	MOREHEAD KY	71.5	LIC	BLET	-19830725KL
44	WTSF-DT	ASHLAND KY	68.8	PLN	DTVPLN	-DTVPI264
45	WRGT-TV	DAYTON OH	148.4	LIC	BMLCT	-19860915KE
45	WRGT-TV	DAYTON OH	148.4	APP	BPCT	-19980617KE
23	WSAZ-TV	HUNTINGTON WV	78.3	APP	USERRECORD-01	

Total scenarios = 2

Result key: 92
Scenario 1 Affected station 19
Before Analysis

Results for: 30N OH PORTSMOUTH	BLCT	19981116KI	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	464891	10975.3	
not affected by terrain losses	426410	10047.9	
lost to NTSC IX	72017	794.8	
lost to additional IX by ATV	4590	176.6	
lost to all IX	76607	971.5	

Potential Interfering Stations Included in above Scenario 1

Table 1 WSAZ-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 33 of 35)

29N WV CHARLESTON	BLCT	19990426AAA	LIC
33N WV HUNTINGTON	BMLET	20030313AVQ	LIC
26A KY ASHLAND	DTVPLN	DTVP0638	PLN
30A OH DAYTON	DTVPLN	DTVP0797	PLN
30A TN KNOXVILLE	BLCDT	20040420AAF	LIC
30A VA ROANOKE	DTVPLN	DTVP0807	PLN
34A WV HUNTINGTON	DTVPLN	DTVP0961	PLN
44A KY ASHLAND	DTVPLN	DTVP1264	PLN
23A WV HUNTINGTON	DTVPLN	DTVP0550	PLN

After Analysis

Results for: 30N OH PORTSMOUTH	BLCT	19981116KI	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	464891	10975.3	
not affected by terrain losses	426410	10047.9	
lost to NTSC IX	72017	794.8	
lost to additional IX by ATV	4590	176.6	
lost to all IX	76607	971.5	

Potential Interfering Stations Included in above Scenario 1

29N WV CHARLESTON	BLCT	19990426AAA	LIC
33N WV HUNTINGTON	BMLET	20030313AVQ	LIC
26A KY ASHLAND	DTVPLN	DTVP0638	PLN
30A OH DAYTON	DTVPLN	DTVP0797	PLN
30A TN KNOXVILLE	BLCDT	20040420AAF	LIC
30A VA ROANOKE	DTVPLN	DTVP0807	PLN
34A WV HUNTINGTON	DTVPLN	DTVP0961	PLN
44A KY ASHLAND	DTVPLN	DTVP1264	PLN
23A WV HUNTINGTON	USERRECORD01	APP	

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

#####

Analysis of Interference to Affected Station 20

DTV Baseline Analysis			
Channel	Call	City/State	Application Ref. No.
23	WSAZ-DT	HUNTINGTON WV	DTVPLN -DTVP0550

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
22	WLEX-DT	LEXINGTON KY	203.9	PLN	DTVPLN -DTVP0483
22	WKPI-TV	PIKEVILLE KY	138.7	PLN	DTVPLN -NPLN1143
22	WKEF	DAYTON OH	221.6	PLN	DTVPLN -NPLN1150
23	WNDY-TV	MARION IN	367.9	PLN	DTVPLN -NPLN1174
23	WKZTTV	ELIZABETHTOWN KY	330.0	PLN	DTVPLN -NPLN1175
23	WBTV-DT	CHARLOTTE NC	361.4	PLN	DTVPLN -DTVP0529
23	WAKCTV	AKRON OH	289.1	PLN	DTVPLN -NPLN1186
23	WATMTV	ALTOONA PA	396.3	PLN	DTVPLN -NPLN1189
23	WPMC-DT	JELLICO TN	290.3	PLN	DTVPLN -DTVP0542
23	WCVETV	RICHMOND VA	419.2	PLN	DTVPLN -NPLN1195
24	WCVN-DT	COVINGTON KY	206.5	PLN	DTVPLN -DTVP0568
24	WKPI-DT	PIKEVILLE KY	138.7	PLN	DTVPLN -DTVP0569

Table 1 WSAZ-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 34 of 35)

24	WSFJ-DT	NEWARK OH	160.7	PLN	DTVPLN -DTVP0580
Results for: 23A WV HUNTINGTON			DTVPLN	DTVP0550	PLN
HAAT	388.0 m,	ATV ERP	444.0 kW		
		POPULATION	AREA (sq km)		
within Noise Limited Contour		1139068	31808.2		
not affected by terrain losses		1089897	30476.1		
lost to NTSC IX		18543	245.5		
lost to additional IX by ATV		1726	76.5		
lost to ATV IX only		1789	80.5		
lost to all IX		20269	321.9		

NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
03	WSAZTV	HUNTINGTON WV	DTVPLN -NPLN0269

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
02	WDTN	DAYTON OH	221.2	PLN	DTVPLN -NPLN0188
03	WAVE	LOUISVILLE KY	278.9	PLN	DTVPLN -NPLN0229
03	WBTV	CHARLOTTE NC	361.4	PLN	DTVPLN -NPLN0240
03	WKYCTV	CLEVELAND OH	322.9	PLN	DTVPLN -NPLN0250
03	WHSVTV	HARRISONBURG VA	311.9	PLN	DTVPLN -NPLN0265
03	WBRA-DT	ROANOKE VA	232.7	PLN	DTVPLN -DTVP0012
04	WCMHTV	COLUMBUS OH	176.7	PLN	DTVPLN -NPLN0311
04	WOAYTV	OAK HILL WV	111.6	PLN	DTVPLN -NPLN0333

Results for: 3N WV HUNTINGTON	DTVPLN	NPLN0269	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1139156	31816.2	
not affected by terrain losses	1067300	30025.4	
lost to NTSC IX	69101	2720.4	
lost to additional IX by ATV	212	28.2	
lost to all IX	69313	2748.6	

Analysis of current record

Channel	Call	City/State	Application Ref. No.
23	WSAZ-TV	HUNTINGTON WV	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
22	WLEX-DT	LEXINGTON KY	203.9	PLN	DTVPLN -DTVP0483
22	WKPI-TV	PIKEVILLE KY	138.8	LIC	BMLET -19830426KN
22	WKEF	DAYTON OH	221.6	LIC	BLCT -2584
23	WNDY-TV	MARION IN	367.9	LIC	BLCT -19990430KE
23	WKZT-TV	ELIZABETHTOWN KY	330.0	LIC	BLET -19830404KF
23	WBTV-DT	CHARLOTTE NC	361.5	PLN	DTVPLN -DTVP0529
23	WVPX	AKRON OH	289.1	LIC	BLCT -20010627ABZ
23	WVPX	AKRON OH	289.1	APP	BSTA -20080318ACG
23	WVPX	AKRON OH	289.1	CP	BPCDT -20070625ACA
23	WPMC-DT	JELLICO TN	290.4	PLN	DTVPLN -DTVP0542
23	WPXK	JELLICO TN	312.4	LIC	BLCDT -20020510AAJ
23	WCVE-TV	RICHMOND VA	419.3	LIC	BLET -20030520AKD
24	WCVN-DT	COVINGTON KY	206.5	PLN	DTVPLN -DTVP0568
24	WKPI-DT	PIKEVILLE KY	138.8	PLN	DTVPLN -DTVP0569
24	WSFJ-TV	NEWARK OH	179.1	LIC	BLCDT -20060620ABC
24	WSFJ-DT	NEWARK OH	160.7	PLN	DTVPLN -DTVP0580

Total scenarios = 1

Table 1 WSAZ-DT Pre-Transition OET Bulletin 69 Interference Study
(worst-case scenarios shown page 35 of 35)

Result key: 94
Scenario 1 Affected station 20
Before Analysis

Results for: 23A WV HUNTINGTON USERRECORD01 APP
 HAAT 366.0 m, ATV ERP 724.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1186049	33353.3
not affected by terrain losses	1114812	31884.4
lost to NTSC IX	4299	185.1
lost to additional IX by ATV	973	52.3
lost to ATV IX only	3304	128.8
lost to all IX	5272	237.4

Potential Interfering Stations Included in above Scenario 1

22N KY PIKEVILLE	BMLET	19830426KN	LIC
23N IN MARION	BLCT	19990430KE	LIC
23N KY ELIZABETHTOWN	BLET	19830404KF	LIC
23N OH AKRON	BLCT	20010627ABZ	LIC
23A OH AKRON	BPCDT	20070625ACA	CP
23A TN JELICO	DTVPLN	DTVP0542	PLN
24A KY PIKEVILLE	DTVPLN	DTVP0569	PLN

#####

FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED

SECTION III-D - DTV Engineering	
Complete Questions 1-5, and provide all data and information for the proposed facility, as requested in Technical Specifications, Items 1-13.	
<p>Pre-Transition Certification Checklist: An application concerning a pre-transition channel must complete questions 1(a)-(c), and 2-5. A correct answer of "Yes" to all of the questions will ensure an expeditious grant of a construction permit application to change pre-transition facilities. However, if the proposed facility is located within the Canadian or Mexican borders, coordination of the proposal under the appropriate treaties may be required prior to grant of the application. An answer of "No" will require additional evaluation of the applicable information in this form before a construction permit can be granted.</p> <p>Post-Transition Expedited Processing. An application concerning a post-transition channel must complete questions 1(a), (d)-(e), and 2-5. A station applying for a construction permit to build its post-transition channel will receive expedited processing if its application (1) does not seek to expand the noise-limited service contour in any direction beyond that established by Appendix B of the Seventh Report and Order in MB Docket No. 87-268 establishing the new DTV Table of Allotments in 47 C.F.R. § 73.622(i) ("new DTV Table Appendix B"); (2) specifies facilities that match or closely approximate those defined in the new DTV Table Appendix B facilities; and (3) is filed within 45 days of the effective date of Section 73.616 of the rules adopted in the Report and Order in the Third DTV Periodic Review proceeding, MB Docket No. 07-91.</p>	
1. The proposed DTV facility complies with 47 C.F.R. Section 73.622 in the following respects:	
(a) It will operate on the DTV channel for this station as established in 47 C.F.R. Section 73.622.	<input checked="" type="radio"/> Yes <input type="radio"/> No
(b) It will operate a pre-transition facility from a transmitting antenna located within 5.0 km (3.1 miles) of the DTV reference site for this station as established in 47 C.F.R. Section 73.622.	<input checked="" type="radio"/> Yes <input type="radio"/> No
(c) It will operate a pre-transition facility with an effective radiated power (ERP) and antenna height above average terrain (HAAT) that do not exceed the DTV reference ERP and HAAT for this station as established in 47 C.F.R. Section 73.622.	<input type="radio"/> Yes <input checked="" type="radio"/> No
(d) It will operate at post-transition facilities that do not expand the noise-limited service contour in any direction beyond that established by Appendix B of the Seventh Report and Order in MB Docket No. 87-268 establishing the new DTV Table of Allotments in 47 C.F.R. § 73.622(i) ("new DTV Table Appendix B").	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A
(e) It will operate at post-transition facilities that match or reduce by no more than five percent with respect to predicted population from those defined in the new DTV Table Appendix B.	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> N/A
2. The proposed facility will not have a significant environmental impact, including exposure of workers or the general public to levels of RF radiation exceeding the applicable health and safety guidelines, and therefore will not come within 47 C.F.R. Section 1.1307. Applicant must submit the Exhibit called for in Item 13.	<input checked="" type="radio"/> Yes <input type="radio"/> No
3. Pursuant to 47 C.F.R. Section 73.625, the DTV coverage contour of the proposed facility will encompass the allotted principal community.	<input checked="" type="radio"/> Yes <input type="radio"/> No
4. The requirements of 47 C.F.R. Section 73.1030 regarding notification to radio astronomy installations, radio receiving installations and FCC monitoring stations have either been satisfied or are not applicable.	<input checked="" type="radio"/> Yes <input type="radio"/> No
5. The antenna structure to be used by this facility has been registered by the Commission and will not require registration to support the proposed antenna, OR the FAA has previously determined that the proposed structure will not adversely effect safety in air navigation and this structure qualifies for later registration under the Commission's phased registration plan, OR the proposed installation on this structure does not require notification to the FAA pursuant to 47 C.F.R. Section 17.7.	<input checked="" type="radio"/> Yes <input type="radio"/> No

SECTION III-D - DTV Engineering	
TECHNICAL SPECIFICATIONS	
Ensure that the specifications below are accurate. Contradicting data found elsewhere in this application will be disregarded. All items must be completed. The response "on file" is not acceptable.	
TECH BOX	
1.	Channel Number: DTV 23 Analog TV, if any 3
2.	Zone: <input checked="" type="radio"/> I <input type="radio"/> II <input type="radio"/> III
3.	Antenna Location Coordinates: (NAD 27) Latitude: Degrees 38 Minutes 30 Seconds 36 <input checked="" type="radio"/> North <input type="radio"/> South Longitude: Degrees 82 Minutes 13 Seconds 10 <input checked="" type="radio"/> West <input type="radio"/> East
4.	Antenna Structure Registration Number: 1035121 <input type="checkbox"/> Not Applicable <input type="checkbox"/> Notification filed with FAA
5.	Antenna Location Site Elevation Above Mean Sea Level: 308.2 meters
6.	Overall Tower Height Above Ground Level: 327.3 meters
7.	Height of Radiation Center Above Ground Level: 280.9 meters
8.	Height of Radiation Center Above Average Terrain : 366.6 meters
9.	Maximum Effective Radiated Power (average power): 724 kW
10.	Antenna Specifications: a. Manufacturer DIE Model TFU-20DSC-R 04

<p>b. Electrical Beam Tilt: 1.0 degrees <input type="checkbox"/> Not Applicable</p> <p>c. Mechanical Beam Tilt: degrees toward azimuth degrees True <input checked="" type="checkbox"/> Not Applicable</p> <p>Attach as an Exhibit all data specified in 47 C.F.R. Section 73.625(c). [Exhibit 42]</p> <p>d. Polarization: <input checked="" type="radio"/> Horizontal <input type="radio"/> Circular <input type="radio"/> Elliptical</p> <p>e. Directional Antenna Relative Field Values: <input checked="" type="checkbox"/> Not applicable (Nondirectional)</p> <p>[For a composite directional (not off-the-shelf) antenna, press the following button to fill in the relative field values subform.] [Relative Field Values]</p> <p>_____</p> <p>_____</p> <p>If a directional antenna is proposed, the requirements of 47 C.F.R. Sections 73.625(c) must be satisfied. Exhibit required. [Exhibit 43]</p>		
11.	Does the proposed facility satisfy the pre-transition interference protection provisions of 47 C.F.R. Section 73.623(a) (Applicable only if Certification Checklist Items 1(a), (b), or (c) are answered "No.") and/or the post-transition interference protection provisions of 47 C.F.R. Section 73.616? If "No," attach as an Exhibit justification therefor, including a summary of any related previously granted waivers.	<input checked="" type="radio"/> Yes <input type="radio"/> No [Exhibit 44]
12.	If the proposed facility will not satisfy the coverage requirement of 47 C.F.R. Section 73.625, attach as an Exhibit justification therefore. (Applicable only if Certification Checklist item 3 is answered "No.")	[Exhibit 45]
13.	Environmental Protection Act. Submit in an Exhibit the following: If Certification Checklist Item 2 is answered "Yes," a brief explanation of why an Environmental Assessment is not required. Also describe in the Exhibit the steps that will be taken to limit RF radiation exposure to the public and to persons authorized access to the tower site. By checking "Yes" to Certification Checklist Item 2, the applicant also certifies that it, in coordination with other users of the site, will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic exposure in excess of FCC guidelines. If Certification Checklist Item 2 is answered "No," an Environmental Assessment as required by 47 C.F.R Section 1.1311.	[Exhibit 46]
PREPARERS CERTIFICATION ON SECTION III MUST BE COMPLETED AND SIGNED.		

SECTION III - PREPARER'S CERTIFICATION

I certify that I have prepared Section III (Engineering Data) on behalf of the applicant, and that after such preparation, I have examined and found it to be accurate and true to the best of my knowledge and belief.

Name JOSEPH M. DAVIS, P.E.		Relationship to Applicant (e.g., Consulting Engineer) CONSULTING ENGINEER	
Signature		Date 4/15/2009	
Mailing Address CHESAPEAKE RF CONSULTANTS, LLC 11993 KAHNS ROAD			
City MANASSAS	State or Country (if foreign address) VA		Zip Code 20112 -
Telephone Number (include area code) 7036509600		E-Mail Address (if available) JOSEPH.DAVIS@RF-CONSULTANTS.COM	

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).