

ENGINEERING EXHIBIT

“Maximization” Application to Modify Post-Transition Digital Television Station Construction Permit prepared for

Gray Television Licensee, Inc.
WILX-DT Onondaga, MI
Facility ID 6863
Ch. 10 30 kW 299 m

Gray Television Licensee, Inc. (“Gray”) is the licensee of television station WILX-TV, analog Channel 10 and digital Channel 57, Onondaga, MI. A Construction Permit (“CP”, BPCDT-20080403ADB) authorizes construction of the WILX-DT post-transition digital facility on Channel 10, as established in Appendix B of the Seventh Report and Order in MB Docket 87-278. *Gray* herein seeks to modify the CP to expand the WILX-DT post-transition Channel 10 digital facility. The instant application is intended to be filed by June 20, 2008 in response to the FCC’s lifting of the August 3, 2004 “freeze” concerning expansion in service area.¹

The current CP authorizes operation with an effective radiated power (“ERP”) of 14.8 kW at 299 meters antenna height above average terrain (“HAAT”), with a nondirectional antenna. An increase in ERP to 30 kW is proposed herein. No other changes are proposed

The proposed digital Channel 10 operation will employ the existing non-directional antenna system licensed for WILX-TV’s analog Channel 10. The antenna is a horizontally polarized Harris model TAB-10H. The Channel 10 antenna is top-mounted on the existing WILX-TV antenna supporting structure, having FCC Antenna Structure Registration (“ASR”) number 1007810. No change to the overall structure height and no tower work are required to carry out this proposal.

A map is supplied as **Figure 1**, which depicts the standard predicted coverage contours. This map includes the location of Onondaga, WILX-DT’s principal community. As demonstrated

¹Public Notice “*Commission Lifts the Freeze On the Filing of Maximization Applications and Petitions for Digital Channel Substitutions, Effective Immediately*” DA 08-1213, released May 30, 2008.

thereon, the proposed facility complies with §73.625(a)(1), as the entire principal community will be encompassed by the 43 dBμ contour.

The proposed WILX-DT facility's predicted service population provides a 124.2 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	2,577,934	3,270,655
Not affected by terrain losses	2,486,039	3,144,492
Lost to all interference	46,833	114,806
Net DTV Service	2,439,206	3,029,686
Match of Appendix B	---	124.21%

A detailed interference study per OET Bulletin 69² shows that the proposal complies with the 0.5 percent limit of new interference caused to the Appendix B facilities and current post-transition authorizations of pertinent nearby stations. The interference study output report is provided as **Table 1**. Protection requirements towards authorized Class A stations are also satisfied.

The nearest FCC monitoring station is 115 km distant at Allegan, MI. This exceeds the threshold minimum distance specified in §73.1030(c)(3) that would suggest consideration of the monitoring station. The site is not located within the areas requiring coordination with “quiet” zones specified in §73.1030(a) and (b). There are no 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 (121 km to the Canada border), thus further international coordination may be required beyond that necessary to establish Appendix B.

²FCC 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.

Human Exposure to Radiofrequency Electromagnetic Field (Environmental)

The proposal will involve use of an existing transmitting antenna. The use of existing transmitting locations has been characterized as being environmentally preferable by the Commission, according to Note 1 of §1.1306 of the FCC Rules. No tower construction or change in structure height is proposed. Therefore, it is believed that this application may be categorically excluded from environmental processing pursuant to §1.1306 of the Commission's rules.

The proposed operation was evaluated for human exposure to RF energy using the procedures outlined in the Commission's OET Bulletin Number 65. Based on OET-65 equation (10), and assuming 30% antenna relative field in downward elevations, the calculated power density attributable to the proposed facility at locations near the transmitter site at a height of two meters above ground level is $1.1 \mu\text{W}/\text{cm}^2$, which is 0.5 percent of the "uncontrolled / general public" maximum permissible exposure limit. This is 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.
June 13, 2008

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

List of Attachments

Figure 1	Proposed Coverage Contours
Table 1	OET Bulletin 69 Interference Study
Form 301	Saved Version of Engineering Sections from FCC Form at Time of Upload

This material was entered June 13, 2008 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.

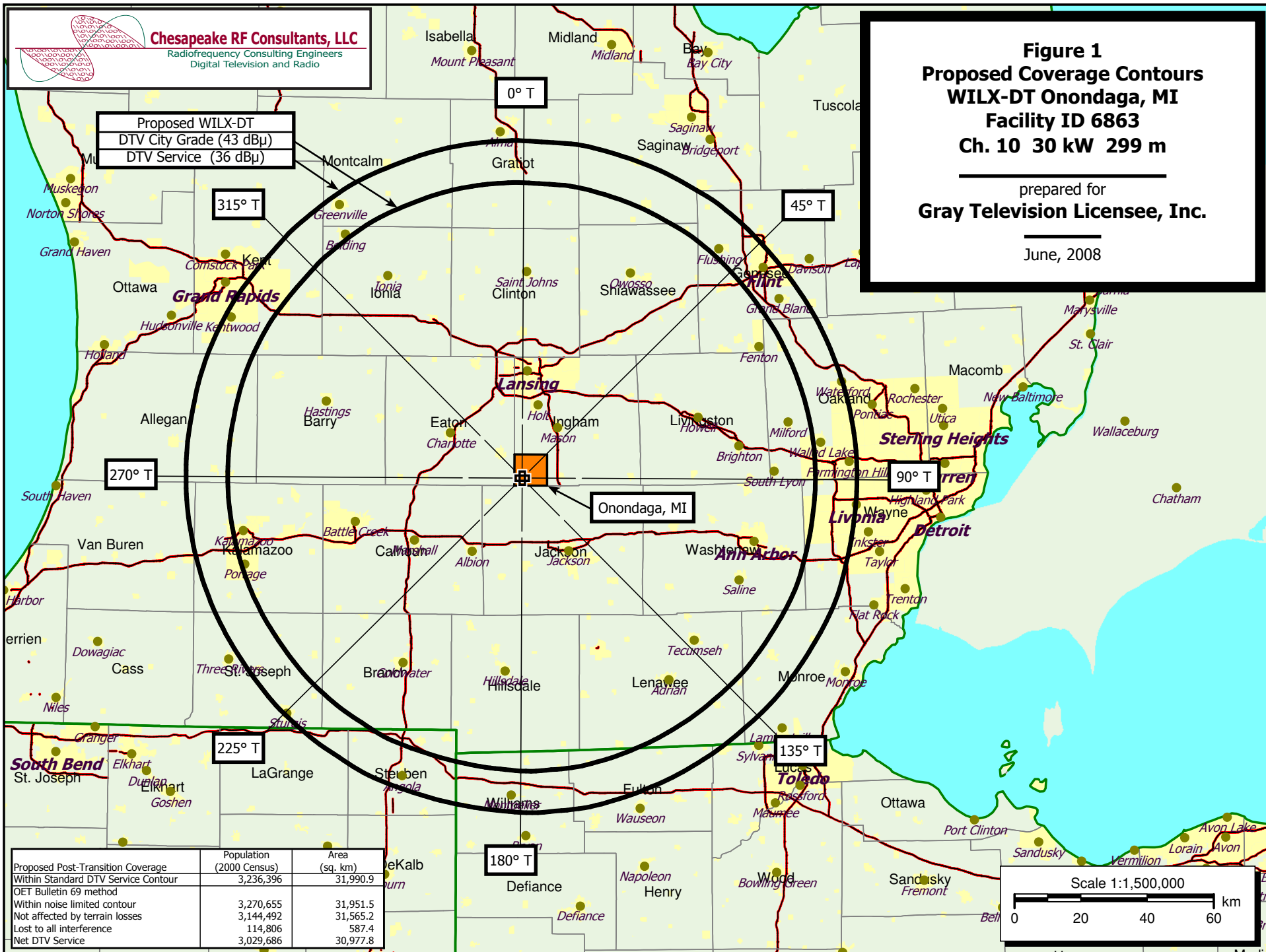


Table 1 WILX-DT OET Bulletin 69 Interference Study

(worst-case scenarios shown page 1 of 21)

TW Census data selected 2000
Post Transition Data Base Selected /space/software/cdbs/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 06-12-2008 Time: 10:32:16

Record Selected for Analysis

WILX-DT USERRECORD-01 ONONDAGA MI US
Channel 10 ERP 30. kW HAAT 299. m RCAMSL 00586 m
Latitude 042-26-33 Longitude 0084-34-21
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)	36.0 dBu F(50,90) (km)
0.0	30.000	306.1	101.4
45.0	30.000	296.1	100.7
90.0	30.000	295.0	100.7
135.0	30.000	296.4	100.8
180.0	30.000	293.7	100.6
225.0	30.000	295.6	100.7
270.0	30.000	301.3	101.0
315.0	30.000	307.2	101.5

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 quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is within the Canadian coordination distance
Distance to border = 120.9km

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Table 1 WILX-DT OET Bulletin 69 Interference Study

(worst-case scenarios shown page 2 of 21)

Start of Interference Analysis

Channel	Call	Proposed Station City/State	ARN
10	WILX-DT	ONONDAGA MI	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
09	WWTV	CADILLAC MI	198.3	PLN	DTVPLN	-DTVP0201
09	WWTV	CADILLAC MI	198.3	CP	BPCDT	-20080328ADX
10	WWTO-TV	LA SALLE IL	383.6	CP	BPCDT	-20080307AAT
10	WWTO-TV	LA SALLE IL	383.6	LIC	BLCDT	-20060630AEE
10	WWTO-TV	LASALLE IL	383.6	PLN	DTVPLN	-DTVP0255
10	WTHI-TV	TERRE HAUTE IN	427.0	CP	BPCDT	-20080313AAR
10	WTHI-TV	TERRE HAUTE IN	427.0	PLN	DTVPLN	-DTVP0257
10	WWUP-TV	SAULT STE. MARIE MI	404.2	PLN	DTVPLN	-DTVP0267
10	WWUP-TV	SAULT STE. MARIE MI	403.8	APP	BPCDT	-20080328ADZ
10	WCPO-TV	CINCINNATI OH	368.8	CP	BPCDT	-20080306AAP
10	WCPO-TV	CINCINNATI OH	368.8	PLN	DTVPLN	-DTVP0284
10	WCPO-TV	CINCINNATI OH	368.8	LIC	BLCDT	-20041230ACA
10	WOIO	SHAKER HEIGHTS OH	265.3	LIC	BLCDT	-19991110AAR
10	WOIO	SHAKER HEIGHTS OH	265.3	PLN	DTVPLN	-DTVP0285
11	WGVU-TV	GRAND RAPIDS MI	122.4	LIC	BLEDT	-20060703ABP
11	WGVU-TV	GRAND RAPIDS MI	122.4	PLN	DTVPLN	-DTVP0324
11	WTOL	TOLEDO OH	130.4	PLN	DTVPLN	-DTVP0336
11	WTOL	TOLEDO OH	130.4	APP	BPCDT	-20080403ACL

Analysis of Interference to Affected Station 1

Analysis of current record
Channel Call City/State Application Ref. No.
09 WWTV CADILLAC MI DTVPLN -DTVP0201

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
08	WWMT	KALAMAZOO MI	168.0	CP	BPCDT	-20080312ABA
08	WWMT	KALAMAZOO MI	168.0	PLN	DTVPLN	-DTVP0135
09	WAOW-TV	WAUSAU WI	355.4	PLN	DTVPLN	-DTVP0233
09	WAOW-TV	WAUSAU WI	355.4	CP	BPCDT	-20080314ADZ
10	WILX-TV	ONONDAGA MI	198.3	PLN	DTVPLN	-DTVP0266
10	WILX-DT	ONONDAGA MI	198.3	APP	USERRECORD-01	

Proposal causes no interference

Analysis of Interference to Affected Station 2

Analysis of current record
Channel Call City/State Application Ref. No.
09 WWTV CADILLAC MI BPCDT -20080328ADX

Table 1 WILX-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 3 of 21)

Stations Potentially Affecting This Station						
Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
08	WWMT	KALAMAZOO MI	168.0	CP	BPCDT	-20080312ABA
08	WWMT	KALAMAZOO MI	168.0	PLN	DTVPLN	-DTVP0135
09	WAOW-TV	WAUSAU WI	355.4	PLN	DTVPLN	-DTVP0233
09	WAOW-TV	WAUSAU WI	355.4	CP	BPCDT	-20080314ADZ
10	WILX-TV	ONONDAGA MI	198.3	PLN	DTVPLN	-DTVP0266
10	WILX-DT	ONONDAGA MI	198.3	APP	USERRECORD-01	
Proposal causes no interference						

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Analysis of Interference to Affected Station 3

Analysis of current record						
Channel	Call	City/State	Application	Ref. No.		
10	WWTO-TV	LA SALLE IL	BPCDT	-20080307AAT		

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
09	WILL-TV	URBANA IL	139.9	LIC	BLED	-20050920AEE
09	WILL-TV	URBANA IL	139.9	PLN	DTVPLN	-DTVP0196
10	WGEM-TV	QUINCY IL	250.3	CP	BPCDT	-20080317ACL
10	WGEM-TV	QUINCY IL	250.3	PLN	DTVPLN	-DTVP0256
10	WTHI-TV	TERRE HAUTE IN	261.9	CP	BPCDT	-20080313AAR
10	WTHI-TV	TERRE HAUTE IN	261.9	PLN	DTVPLN	-DTVP0257
10	WILX-TV	ONONDAGA MI	383.6	PLN	DTVPLN	-DTVP0266
10	KTTC	ROCHESTER MN	383.0	CP	BPCDT	-20080314ADX
10	KTTC	ROCHESTER MN	383.0	PLN	DTVPLN	-DTVP0270
11	WLFI-TV	LAFAYETTE IN	219.1	LIC	BLED	-20040520AIX
11	WLFI-TV	LAFAYETTE IN	219.1	PLN	DTVPLN	-DTVP0315
11	WMSN-TV	MADISON WI	203.3	LIC	BLED	-20041118ACD
11	WMSN-TV	MADISON WI	203.3	PLN	DTVPLN	-DTVP0357
10	WILX-DT	ONONDAGA MI	383.6	APP	USERRECORD-01	

Total scenarios = 4

Result key: 1
Scenario 1 Affected station 3
Before Analysis

Results for: 10A IL LA SALLE						
HAAT	415.0 m, ATV ERP	14.5 kW	BPCDT	20080307AAT	CP	
		POPULATION	AREA (sq km)			
	within Noise Limited Contour	2974974	29620.9			
	not affected by terrain losses	2901455	29336.8			
	lost to NTSC IX	0	0.0			
	lost to additional IX by ATV	78521	336.1			
	lost to ATV IX only	78521	336.1			
	lost to all IX	78521	336.1			

Potential Interfering Stations Included in above Scenario 1

10A IL QUINCY	BPCDT	20080317ACL	CP
10A IN TERRE HAUTE	BPCDT	20080313AAR	CP
10A MI ONONDAGA	DTVPLN	DTVP0266	PLN

Table 1 WILX-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 4 of 21)

After Analysis

Results for: 10A IL LA SALLE						
HAAT	415.0 m, ATV ERP	14.5 kW	BPCDT	20080307AAT	CP	
		POPULATION	AREA (sq km)			
	within Noise Limited Contour	2974974	29620.9			
	not affected by terrain losses	2901455	29336.8			
	lost to NTSC IX	0	0.0			
	lost to additional IX by ATV	84934	340.1			
	lost to ATV IX only	84934	340.1			
	lost to all IX	84934	340.1			

Potential Interfering Stations Included in above Scenario 1

10A IL QUINCY	BPCDT	20080317ACL	CP
10A IN TERRE HAUTE	BPCDT	20080313AAR	CP
10A MI ONONDAGA	USERRECORD01		APP

Percent new IX = 0.2272%

Worst case new IX 0.2272% Scenario 1

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Analysis of Interference to Affected Station 4

Analysis of current record						
Channel	Call	City/State	Application	Ref. No.		
10	WWTO-TV	LA SALLE IL	BLED	-20060630AEE		

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
09	WILL-TV	URBANA IL	139.9	LIC	BLED	-20050920AEE
09	WILL-TV	URBANA IL	139.9	PLN	DTVPLN	-DTVP0196
10	WGEM-TV	QUINCY IL	250.3	CP	BPCDT	-20080317ACL
10	WGEM-TV	QUINCY IL	250.3	PLN	DTVPLN	-DTVP0256
10	WTHI-TV	TERRE HAUTE IN	261.9	CP	BPCDT	-20080313AAR
10	WTHI-TV	TERRE HAUTE IN	261.9	PLN	DTVPLN	-DTVP0257
10	WILX-TV	ONONDAGA MI	383.6	PLN	DTVPLN	-DTVP0266
10	KTTC	ROCHESTER MN	383.0	CP	BPCDT	-20080314ADX
10	KTTC	ROCHESTER MN	383.0	PLN	DTVPLN	-DTVP0270
11	WLFI-TV	LAFAYETTE IN	219.1	LIC	BLED	-20040520AIX
11	WLFI-TV	LAFAYETTE IN	219.1	PLN	DTVPLN	-DTVP0315
11	WMSN-TV	MADISON WI	203.3	LIC	BLED	-20041118ACD
11	WMSN-TV	MADISON WI	203.3	PLN	DTVPLN	-DTVP0357
10	WILX-DT	ONONDAGA MI	383.6	APP	USERRECORD-01	

Total scenarios = 4

Result key: 5
Scenario 1 Affected station 4
Before Analysis

Results for: 10A IL LA SALLE						
HAAT	403.0 m, ATV ERP	16.0 kW	BLED	20060630AEE	LIC	
		POPULATION	AREA (sq km)			
	within Noise Limited Contour	2971046	29677.0			
	not affected by terrain losses	2896835	29348.9			

Table 1 WILX-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 5 of 21)

lost to NTSC IX	0	0.0		
lost to additional IX by ATV	62282	320.1		
lost to ATV IX only	62282	320.1		
lost to all IX	62282	320.1		
Potential Interfering Stations Included in above Scenario			1	
10A IL QUINCY	BPCDT	20080317ACL	CP	
10A IN TERRE HAUTE	BPCDT	20080313AAR	CP	
10A MI ONONDAGA	DTVPLN	DTVP0266	PLN	
After Analysis				
Results for: 10A IL LA SALLE		BLCDT	20060630AEE LIC	
HAAT 403.0 m, ATV ERP 16.0 kW	POPULATION	AREA (sq km)		
within Noise Limited Contour	2971046	29677.0		
not affected by terrain losses	2896835	29348.9		
lost to NTSC IX	0	0.0		
lost to additional IX by ATV	62282	320.1		
lost to ATV IX only	62282	320.1		
lost to all IX	62282	320.1		
Potential Interfering Stations Included in above Scenario				1
10A IL QUINCY	BPCDT	20080317ACL	CP	
10A IN TERRE HAUTE	BPCDT	20080313AAR	CP	
10A MI ONONDAGA	USERRECORD01		APP	
Percent new IX = 0.0000%				
Worst case new IX 0.0000% Scenario 1				
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Analysis of Interference to Affected Station 5				
Analysis of current record				
Channel	Call	City/State	Application Ref. No.	
10	WWTO-TV	LASALLE IL	DTVPLN -DTVP0255	
Stations Potentially Affecting This Station				
Chan	Call	City/State	Dist(km) Status Application Ref. No.	
09	WILL-TV	URBANA IL	139.9 LIC BLEDT -20050920AEE	
09	WILL-TV	URBANA IL	139.9 PLN DTVPLN -DTVP0196	
10	WGEM-TV	QUINCY IL	250.3 CP BPCDT -20080317ACL	
10	WGEM-TV	QUINCY IL	250.3 PLN DTVPLN -DTVP0256	
10	WTHI-TV	TERRE HAUTE IN	261.9 CP BPCDT -20080313AAR	
10	WTHI-TV	TERRE HAUTE IN	261.9 PLN DTVPLN -DTVP0257	
10	WILX-TV	ONONDAGA MI	383.6 PLN DTVPLN -DTVP0266	
10	KTTT	ROCHESTER MN	383.0 CP BPCDT -20080314ADX	
10	KTTT	ROCHESTER MN	383.0 PLN DTVPLN -DTVP0270	
11	WLFI-TV	LAFAYETTE IN	219.1 LIC BLCDT -20040520AIX	
11	WLFI-TV	LAFAYETTE IN	219.1 PLN DTVPLN -DTVP0315	
11	WMSN-TV	MADISON WI	203.3 LIC BLCDT -20041118ACD	
11	WMSN-TV	MADISON WI	203.3 PLN DTVPLN -DTVP0357	
10	WILX-DT	ONONDAGA MI	383.6 APP USERRECORD-01	
Total scenarios = 4				

Table 1 WILX-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 6 of 21)

Result key:	9
Scenario 1 Affected station 5	
Before Analysis	
Results for: 10A IL LASALLE DTVPLN DTVP0255 PLN	
HAAT 403.0 m, ATV ERP 16.0 kW	POPULATION AREA (sq km)
within Noise Limited Contour	2971046 29677.0
not affected by terrain losses	2896835 29348.9
lost to NTSC IX	0 0.0
lost to additional IX by ATV	62282 320.1
lost to ATV IX only	62282 320.1
lost to all IX	62282 320.1
Potential Interfering Stations Included in above Scenario 1	
10A IL QUINCY	BPCDT 20080317ACL CP
10A IN TERRE HAUTE	BPCDT 20080313AAR CP
10A MI ONONDAGA	DTVPLN DTVP0266 PLN
After Analysis	
Results for: 10A IL LASALLE DTVPLN DTVP0255 PLN	
HAAT 403.0 m, ATV ERP 16.0 kW	POPULATION AREA (sq km)
within Noise Limited Contour	2971046 29677.0
not affected by terrain losses	2896835 29348.9
lost to NTSC IX	0 0.0
lost to additional IX by ATV	62282 320.1
lost to ATV IX only	62282 320.1
lost to all IX	62282 320.1
Potential Interfering Stations Included in above Scenario 1	
10A IL QUINCY	BPCDT 20080317ACL CP
10A IN TERRE HAUTE	BPCDT 20080313AAR CP
10A MI ONONDAGA	USERRECORD01 APP
Percent new IX = 0.0000%	
Worst case new IX 0.0000% Scenario 1	
#####	
Analysis of Interference to Affected Station 6	
Analysis of current record	
Channel Call City/State Application Ref. No.	
10 WTHI-TV TERRE HAUTE IN BPCDT -20080313AAR	
Stations Potentially Affecting This Station	
Chan Call City/State Dist(km) Status Application Ref. No.	
09 WILL-TV URBANA IL 141.0 LIC BLEDT -20050920AEE	
09 WILL-TV URBANA IL 141.0 PLN DTVPLN -DTVP0196	
09 WNIN EVANSVILLE IN 140.4 CP BPEDT -20080424AAG	
09 WNIN EVANSVILLE IN 140.4 PLN DTVPLN -DTVP0197	
09 WISH-TV INDIANAPOLIS IN 124.0 LIC BLCDT -20010810ABB	

Table 1 WILX-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 7 of 21)

09	WISH-TV	INDIANAPOLIS IN	124.0	PLN	DTVPLN	-DTVP0198
10	WWTO-TV	LA SALLE IL	261.9	CP	BPCDT	-20080307AAT
10	WWTO-TV	LA SALLE IL	261.9	LIC	BLCDT	-20060630AEE
10	WWTO-TV	LASALLE IL	261.9	PLN	DTVPLN	-DTVP0255
10	WGEM-TV	QUINCY IL	347.0	CP	BPCDT	-20080317ACL
10	WGEM-TV	QUINCY IL	347.0	PLN	DTVPLN	-DTVP0256
10	WILX-TV	ONONDAGA MI	427.0	PLN	DTVPLN	-DTVP0266
10	WCPO-TV	CINCINNATI OH	249.0	CP	BPCDT	-20080306AAP
10	WCPO-TV	CINCINNATI OH	249.0	PLN	DTVPLN	-DTVP0284
10	WCPO-TV	CINCINNATI OH	249.0	LIC	BLCDT	-20041230ACA
10	WSMV-TV	NASHVILLE TN	347.9	LIC	BLCDT	-20021029AAV
10	WSMV-TV	NASHVILLE TN	347.9	PLN	DTVPLN	-DTVP0295
11	WLFI-TV	LAFAYETTE IN	143.4	LIC	BLCDT	-20040520AIX
11	WLFI-TV	LAFAYETTE IN	143.4	PLN	DTVPLN	-DTVP0315
11	WHAS-TV	LOUISVILLE KY	165.7	PLN	DTVPLN	-DTVP0318
11	WHAS-TV	LOUISVILLE KY	165.7	CP	BPCDT	-20080314AAD
10	WILX-DT	ONONDAGA MI	427.0	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 7

Analysis of current record						
Channel	Call	City/State		Application Ref. No.		
10	WTHI-TV	TERRE HAUTE IN	DTVPLN	-DTVP0257		

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
09	WILL-TV	URBANA IL	141.0	LIC	BLEDT -20050920AEE
09	WILL-TV	URBANA IL	141.0	PLN	DTVPLN -DTVP0196
09	WNIN	EVANSVILLE IN	140.4	CP	BPEDT -20080424AAG
09	WNIN	EVANSVILLE IN	140.4	PLN	DTVPLN -DTVP0197
09	WISH-TV	INDIANAPOLIS IN	124.0	LIC	BLCDT -20010810ABB
09	WISH-TV	INDIANAPOLIS IN	124.0	PLN	DTVPLN -DTVP0198
10	WWTO-TV	LA SALLE IL	261.9	CP	BPCDT -20080307AAT
10	WWTO-TV	LA SALLE IL	261.9	LIC	BLCDT -20060630AEE
10	WWTO-TV	LASALLE IL	261.9	PLN	DTVPLN -DTVP0255
10	WGEM-TV	QUINCY IL	347.0	CP	BPCDT -20080317ACL
10	WGEM-TV	QUINCY IL	347.0	PLN	DTVPLN -DTVP0256
10	WILX-TV	ONONDAGA MI	427.0	PLN	DTVPLN -DTVP0266
10	WCPO-TV	CINCINNATI OH	249.0	CP	BPCDT -20080306AAP
10	WCPO-TV	CINCINNATI OH	249.0	PLN	DTVPLN -DTVP0284
10	WCPO-TV	CINCINNATI OH	249.0	LIC	BLCDT -20041230ACA
10	WSMV-TV	NASHVILLE TN	347.9	LIC	BLCDT -20021029AAV
10	WSMV-TV	NASHVILLE TN	347.9	PLN	DTVPLN -DTVP0295
11	WLFI-TV	LAFAYETTE IN	143.4	LIC	BLCDT -20040520AIX
11	WLFI-TV	LAFAYETTE IN	143.4	PLN	DTVPLN -DTVP0315
11	WHAS-TV	LOUISVILLE KY	165.7	PLN	DTVPLN -DTVP0318
11	WHAS-TV	LOUISVILLE KY	165.7	CP	BPCDT -20080314AAD
10	WILX-DT	ONONDAGA MI	427.0	APP	USERRECORD-01

Proposal causes no interference

#####

Analysis of Interference to Affected Station 8

Table 1 WILX-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 8 of 21)

Analysis of current record					
Channel	Call	City/State		Application Ref. No.	
10	WWUP-TV	SAULT STE. MARIE MI	DTVPLN	-DTVP0267	

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
10	WBUP	ISHPEMING MI	290.4	PLN	DTVPLN -DTVP0265
10	WBUP	ISHPEMING MI	290.4	CP	BPCDT -20080402ABL
10	WILX-TV	ONONDAGA MI	404.2	PLN	DTVPLN -DTVP0266
11	WBKB-TV	ALPENA MI	157.8	PLN	DTVPLN -DTVP0323
10	WILX-DT	ONONDAGA MI	404.2	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 9

Analysis of current record					
Channel	Call	City/State		Application Ref. No.	
10	WWUP-TV	SAULT STE. MARIE MI	BPCDT	-20080328ADZ	

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
10	WBUP	ISHPEMING MI	290.6	PLN	DTVPLN -DTVP0265
10	WBUP	ISHPEMING MI	290.6	CP	BPCDT -20080402ABL
10	WILX-TV	ONONDAGA MI	403.8	PLN	DTVPLN -DTVP0266
11	WBKB-TV	ALPENA MI	157.4	PLN	DTVPLN -DTVP0323
10	WILX-DT	ONONDAGA MI	403.8	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 10

Analysis of current record					
Channel	Call	City/State		Application Ref. No.	
10	WCPO-TV	CINCINNATI OH	BPCDT	-20080306AAP	

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
09	WISH-TV	INDIANAPOLIS IN	169.3	LIC	BLCDT -20010810ABB
09	WISH-TV	INDIANAPOLIS IN	169.3	PLN	DTVPLN -DTVP0198
10	WTHI-TV	TERRE HAUTE IN	249.0	CP	BPCDT -20080313AAR
10	WTHI-TV	TERRE HAUTE IN	249.0	PLN	DTVPLN -DTVP0257
10	WILX-TV	ONONDAGA MI	368.8	PLN	DTVPLN -DTVP0266
10	WOIO	SHAKER HEIGHTS OH	346.1	LIC	BLCDT -19991110AAR
10	WOIO	SHAKER HEIGHTS OH	346.1	PLN	DTVPLN -DTVP0285
10	WBIR-TV	KNOXVILLE TN	350.2	CP	BPCDT -20080312AEG
10	WBIR-TV	KNOXVILLE TN	350.4	PLN	DTVPLN -DTVP0293
10	WSMV-TV	NASHVILLE TN	391.6	LIC	BLCDT -20021029AAV
10	WSMV-TV	NASHVILLE TN	391.6	PLN	DTVPLN -DTVP0295

Table 1 WILX-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 9 of 21)

10	WVFX	CLARKSBURG WV	358.3	CP MOD	BMPCDT	-20020930AAV
10	WVFX	CLARKSBURG WV	358.3	PLN	DTVPLN	-DTVP0300
10	WSWP-TV	GRANDVIEW WV	334.4	CP MOD	BMPEDT	-20080214ACT
10	WSWP-TV	GRANDVIEW WV	334.4	PLN	DTVPLN	-DTVP0301
11	WLFI-TV	LAFAYETTE IN	228.8	LIC	BLCDT	-20040520AIX
11	WLFI-TV	LAFAYETTE IN	228.8	PLN	DTVPLN	-DTVP0315
11	WHAS-TV	LOUISVILLE KY	144.8	PLN	DTVPLN	-DTVP0318
11	WHAS-TV	LOUISVILLE KY	144.8	CP	BPCDT	-20080314AAD
10	WILX-DT	ONONDAGA MI	368.8	APP	USERRECORD-01	

Total scenarios = 128

Result key: 31
Scenario 19 Affected station 10
Before Analysis

Results for: 10A OH CINCINNATI	BPCDT	20080306AAP	CP
HAAT 305.0 m, ATV ERP 15.4 kW			
POPULATION	AREA (sq km)		
within Noise Limited Contour	3132831	28319.5	
not affected by terrain losses	3076856	27074.5	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	18020	790.1	
lost to ATV IX only	18020	790.1	
lost to all IX	18020	790.1	

Potential Interfering Stations Included in above Scenario 19

10A IN TERRE HAUTE	BPCDT	20080313AAR	CP
10A OH SHAKER HEIGHTS	BLCDT	19991110AAR	LIC
10A TN KNOXVILLE	DTVPLN	DTVP0293	PLN
10A TN NASHVILLE	BLCDT	20021029AAV	LIC
10A WV CLARKSBURG	BMPCDT	20020930AAV	CP
10A WV GRANDVIEW	DTVPLN	DTVP0301	PLN
11A KY LOUISVILLE	DTVPLN	DTVP0318	PLN
10A MI ONONDAGA	DTVPLN	DTVP0266	PLN

After Analysis

Results for: 10A OH CINCINNATI	BPCDT	20080306AAP	CP
HAAT 305.0 m, ATV ERP 15.4 kW			
POPULATION	AREA (sq km)		
within Noise Limited Contour	3132831	28319.5	
not affected by terrain losses	3076856	27074.5	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	23606	794.1	
lost to ATV IX only	23606	794.1	
lost to all IX	23606	794.1	

Potential Interfering Stations Included in above Scenario 19

10A IN TERRE HAUTE	BPCDT	20080313AAR	CP
10A OH SHAKER HEIGHTS	BLCDT	19991110AAR	LIC
10A TN KNOXVILLE	DTVPLN	DTVP0293	PLN
10A TN NASHVILLE	BLCDT	20021029AAV	LIC
10A WV CLARKSBURG	BMPCDT	20020930AAV	CP
10A WV GRANDVIEW	DTVPLN	DTVP0301	PLN
11A KY LOUISVILLE	DTVPLN	DTVP0318	PLN
10A MI ONONDAGA	USERRECORD01		APP

Percent new IX = 0.1826%

Table 1 WILX-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 10 of 21)

Worst case new IX 0.1826% Scenario 19

#####

Analysis of Interference to Affected Station 11

Analysis of current record
Channel Call City/State Application Ref. No.
10 WCPO-TV CINCINNATI OH DTVPLN -DTVP0284

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
09	WISH-TV	INDIANAPOLIS IN	169.2	LIC	BLCDT	-20010810ABB
09	WISH-TV	INDIANAPOLIS IN	169.2	PLN	DTVPLN	-DTVP0198
10	WTHI-TV	TERRE HAUTE IN	249.0	CP	BPCDT	-20080313AAR
10	WTHI-TV	TERRE HAUTE IN	249.0	PLN	DTVPLN	-DTVP0257
10	WILX-TV	ONONDAGA MI	368.8	PLN	DTVPLN	-DTVP0266
10	WOIO	SHAKER HEIGHTS OH	346.1	LIC	BLCDT	-19991110AAR
10	WOIO	SHAKER HEIGHTS OH	346.1	PLN	DTVPLN	-DTVP0285
10	WBIR-TV	KNOXVILLE TN	350.3	CP	BPCDT	-20080312AEG
10	WBIR-TV	KNOXVILLE TN	350.4	PLN	DTVPLN	-DTVP0293
10	WSMV-TV	NASHVILLE TN	391.7	LIC	BLCDT	-20021029AAV
10	WSMV-TV	NASHVILLE TN	391.7	PLN	DTVPLN	-DTVP0295
10	WVFX	CLARKSBURG WV	358.4	CP MOD	BMPCDT	-20020930AAV
10	WVFX	CLARKSBURG WV	358.4	PLN	DTVPLN	-DTVP0300
10	WSWP-TV	GRANDVIEW WV	334.4	CP MOD	BMPEDT	-20080214ACT
10	WSWP-TV	GRANDVIEW WV	334.4	PLN	DTVPLN	-DTVP0301
11	WLFI-TV	LAFAYETTE IN	228.8	LIC	BLCDT	-20040520AIX
11	WLFI-TV	LAFAYETTE IN	228.8	PLN	DTVPLN	-DTVP0315
11	WHAS-TV	LOUISVILLE KY	144.8	PLN	DTVPLN	-DTVP0318
11	WHAS-TV	LOUISVILLE KY	144.8	CP	BPCDT	-20080314AAD
10	WILX-DT	ONONDAGA MI	368.8	APP	USERRECORD-01	

Total scenarios = 128

Result key: 141
Scenario 1 Affected station 11
Before Analysis

Results for: 10A OH CINCINNATI	DTVPLN	DTVP0284	PLN
HAAT 305.0 m, ATV ERP 15.4 kW			
POPULATION	AREA (sq km)		
within Noise Limited Contour	3155390	29075.8	
not affected by terrain losses	3105060	27882.8	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	27602	714.2	
lost to ATV IX only	27602	714.2	
lost to all IX	27602	714.2	

Potential Interfering Stations Included in above Scenario 1

10A IN TERRE HAUTE	BPCDT	20080313AAR	CP
10A OH SHAKER HEIGHTS	BLCDT	19991110AAR	LIC
10A TN KNOXVILLE	BPCDT	20080312AEG	CP
10A TN NASHVILLE	BLCDT	20021029AAV	LIC
10A WV CLARKSBURG	BMPCDT	20020930AAV	CP
10A WV GRANDVIEW	BMPEDT	20080214ACT	CP
11A KY LOUISVILLE	DTVPLN	DTVP0318	PLN

Table 1 WILX-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 11 of 21)

10A MI ONONDAGA	DTVPLN	DTVP0266	PLN
After Analysis			
Results for: 10A OH CINCINNATI	DTVPLN	DTVP0284	PLN
HAAT 305.0 m, ATV ERP 15.4 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	3155390	29075.8	
not affected by terrain losses	3105060	27882.8	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	27602	714.2	
lost to ATV IX only	27602	714.2	
lost to all IX	27602	714.2	
Potential Interfering Stations Included in above Scenario	1		
10A IN TERRE HAUTE	BPCDT	20080313AAR	CP
10A OH SHAKER HEIGHTS	BLCDT	19991110AAR	LIC
10A TN KNOXVILLE	BPCDT	20080312AEG	CP
10A TN NASHVILLE	BLCDT	20021029AAV	LIC
10A WV CLARKSBURG	BMPCDT	20020930AAV	CP
10A WV GRANDVIEW	BMPCDT	20080214ACT	CP
11A KY LOUISVILLE	DTVPLN	DTVP0318	PLN
10A MI ONONDAGA	USERRECORD01	APP	

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

#####

Analysis of Interference to Affected Station 12

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
10	WCPO-TV	CINCINNATI OH	BLCDT	-20041230ACA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
09	WISH-TV	INDIANAPOLIS IN	169.3	LIC	BLCDT	-20010810ABB
09	WISH-TV	INDIANAPOLIS IN	169.3	PLN	DTVPLN	-DTVP0198
10	WTHI-TV	TERRE HAUTE IN	249.0	CP	BPCDT	-20080313AAR
10	WTHI-TV	TERRE HAUTE IN	249.0	PLN	DTVPLN	-DTVP0257
10	WILX-TV	ONONDAGA MI	368.8	PLN	DTVPLN	-DTVP0266
10	WOIO	SHAKER HEIGHTS OH	346.1	LIC	BLCDT	-19991110AAR
10	WOIO	SHAKER HEIGHTS OH	346.1	PLN	DTVPLN	-DTVP0285
10	WBIR-TV	KNOXVILLE TN	350.2	CP	BPCDT	-20080312AEG
10	WBIR-TV	KNOXVILLE TN	350.4	PLN	DTVPLN	-DTVP0293
10	WSMV-TV	NASHVILLE TN	391.6	LIC	BLCDT	-20021029AAV
10	WSMV-TV	NASHVILLE TN	391.6	PLN	DTVPLN	-DTVP0295
10	WVFX	CLARKSBURG WV	358.3	CP MOD	BMPCDT	-20020930AAV
10	WVFX	CLARKSBURG WV	358.3	PLN	DTVPLN	-DTVP0300
10	WSWP-TV	GRANDVIEW WV	334.4	CP MOD	BMPCDT	-20080214ACT
10	WSWP-TV	GRANDVIEW WV	334.4	PLN	DTVPLN	-DTVP0301
11	WLFI-TV	LAFAYETTE IN	228.8	LIC	BLCDT	-20040520AIX
11	WLFI-TV	LAFAYETTE IN	228.8	PLN	DTVPLN	-DTVP0315
11	WHAS-TV	LOUISVILLE KY	144.8	PLN	DTVPLN	-DTVP0318
11	WHAS-TV	LOUISVILLE KY	144.8	CP	BPCDT	-20080314AAD
10	WILX-DT	ONONDAGA MI	368.8	APP	USERRECORD-01	

Table 1 WILX-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 12 of 21)

Total scenarios = 128

Result key: 271
Scenario 3 Affected station 12
Before Analysis

Results for: 10A OH CINCINNATI	BLCDT	20041230ACA	LIC
HAAT 272.0 m, ATV ERP 16.3 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	3135971	28292.4	
not affected by terrain losses	3051241	26872.0	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	14168	829.9	
lost to ATV IX only	14168	829.9	
lost to all IX	14168	829.9	

Potential Interfering Stations Included in above Scenario 3

10A IN TERRE HAUTE	BPCDT	20080313AAR	CP
10A OH SHAKER HEIGHTS	BLCDT	19991110AAR	LIC
10A TN KNOXVILLE	BPCDT	20080312AEG	CP
10A TN NASHVILLE	BLCDT	20021029AAV	LIC
10A WV CLARKSBURG	BMPCDT	20020930AAV	CP
10A WV GRANDVIEW	DTVPLN	DTVP0301	PLN
11A KY LOUISVILLE	DTVPLN	DTVP0318	PLN
10A MI ONONDAGA	DTVPLN	DTVP0266	PLN

After Analysis

Results for: 10A OH CINCINNATI	BLCDT	20041230ACA	LIC
HAAT 272.0 m, ATV ERP 16.3 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	3135971	28292.4	
not affected by terrain losses	3051241	26872.0	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	17866	845.9	
lost to ATV IX only	17866	845.9	
lost to all IX	17866	845.9	

Potential Interfering Stations Included in above Scenario 3

10A IN TERRE HAUTE	BPCDT	20080313AAR	CP
10A OH SHAKER HEIGHTS	BLCDT	19991110AAR	LIC
10A TN KNOXVILLE	BPCDT	20080312AEG	CP
10A TN NASHVILLE	BLCDT	20021029AAV	LIC
10A WV CLARKSBURG	BMPCDT	20020930AAV	CP
10A WV GRANDVIEW	DTVPLN	DTVP0301	PLN
11A KY LOUISVILLE	DTVPLN	DTVP0318	PLN
10A MI ONONDAGA	USERRECORD01	APP	

Percent new IX = 0.1218%

Worst case new IX 0.1218% Scenario 3

#####

Analysis of Interference to Affected Station 13

Analysis of current record

Table 1 WILX-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 13 of 21)

Channel	Call	City/State	Application	Ref. No.
10	WOIO	SHAKER HEIGHTS OH	BLCDT	-19991110AAR

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
09	WTOV-TV	STEUBENVILLE OH	147.1	PLN	DTVPLN	-DTVP0214
09	WTOV-TV	STEUBENVILLE OH	147.1	CP	BPCDT	-20080403AAG
10	WILX-TV	ONONDAGA MI	265.3	PLN	DTVPLN	-DTVP0266
10	WHEC-TV	ROCHESTER NY	390.0	APP	BPCDT	-20080425AAZ
10	WHEC-TV	ROCHESTER NY	390.0	PLN	DTVPLN	-DTVP0283
10	WCPO-TV	CINCINNATI OH	346.1	CP	BPCDT	-20080306AAP
10	WCPO-TV	CINCINNATI OH	346.1	PLN	DTVPLN	-DTVP0284
10	WCPO-TV	CINCINNATI OH	346.1	LIC	BLCDT	-20041230ACA
10	WHTM-TV	HARRISBURG PA	416.3	LIC	BLCDT	-20040812AAH
10	WHTM-TV	HARRISBURG PA	416.3	PLN	DTVPLN	-DTVP0289
10	WVFX	CLARKSBURG WV	258.7	CP MOD	BMPEDT	-20020930AAV
10	WVFX	CLARKSBURG WV	258.7	PLN	DTVPLN	-DTVP0300
10	WSWP-TV	GRANDVIEW WV	392.7	CP MOD	BMPEDT	-20080214ACT
10	WSWP-TV	GRANDVIEW WV	392.7	PLN	DTVPLN	-DTVP0301
11	WTOL	TOLEDO OH	143.7	PLN	DTVPLN	-DTVP0336
11	WTOL	TOLEDO OH	143.7	APP	BPCDT	-20080403ACL
11	WPCW	JEANNETTE PA	172.2	CP	BPCDT	-20080523ADL
10	WILX-DT	ONONDAGA MI	265.3	APP	USERRECORD-01	

Total scenarios = 6

Result key: 397
Scenario 1 Affected station 13
Before Analysis

Results for: 10A OH SHAKER HEIGHTS	BLCDT	19991110AAR	LIC
HAAT 304.0 m, ATV ERP 3.5 kW			
POPULATION	AREA (sq km)		
within Noise Limited Contour 3642443	19545.0		
not affected by terrain losses 3606022	19029.0		
lost to NTSC IX 0	0.0		
lost to additional IX by ATV 45470	356.0		
lost to ATV IX only 45470	356.0		
lost to all IX 45470	356.0		

Potential Interfering Stations Included in above Scenario 1

10A OH CINCINNATI	BPCDT	20080306AAP	CP
10A WV CLARKSBURG	BMPCDT	20020930AAV	CP
10A MI ONONDAGA	DTVPLN	DTVP0266	PLN

After Analysis

Results for: 10A OH SHAKER HEIGHTS	BLCDT	19991110AAR	LIC
HAAT 304.0 m, ATV ERP 3.5 kW			
POPULATION	AREA (sq km)		
within Noise Limited Contour 3642443	19545.0		
not affected by terrain losses 3606022	19029.0		
lost to NTSC IX 0	0.0		
lost to additional IX by ATV 53379	428.0		
lost to ATV IX only 53379	428.0		
lost to all IX 53379	428.0		

Potential Interfering Stations Included in above Scenario 1

Table 1 WILX-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 14 of 21)

10A OH CINCINNATI	BPCDT	20080306AAP	CP
10A WV CLARKSBURG	BMPCDT	20020930AAV	CP
10A MI ONONDAGA	USERRECORD01		APP

Percent new IX = 0.2221%

Worst case new IX 0.2221% Scenario 1

#####

Analysis of Interference to Affected Station 14

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
10	WOIO	SHAKER HEIGHTS OH	DTVPLN	-DTVP0285

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
09	WTOV-TV	STEUBENVILLE OH	147.1	PLN	DTVPLN	-DTVP0214
09	WTOV-TV	STEUBENVILLE OH	147.1	CP	BPCDT	-20080403AAG
10	WILX-TV	ONONDAGA MI	265.3	PLN	DTVPLN	-DTVP0266
10	WHEC-TV	ROCHESTER NY	390.0	APP	BPCDT	-20080425AAZ
10	WHEC-TV	ROCHESTER NY	390.0	PLN	DTVPLN	-DTVP0283
10	WCPO-TV	CINCINNATI OH	346.1	CP	BPCDT	-20080306AAP
10	WCPO-TV	CINCINNATI OH	346.1	PLN	DTVPLN	-DTVP0284
10	WCPO-TV	CINCINNATI OH	346.1	LIC	BLCDT	-20041230ACA
10	WHTM-TV	HARRISBURG PA	416.3	LIC	BLCDT	-20040812AAH
10	WHTM-TV	HARRISBURG PA	416.3	PLN	DTVPLN	-DTVP0289
10	WVFX	CLARKSBURG WV	258.7	CP MOD	BMPCDT	-20020930AAV
10	WVFX	CLARKSBURG WV	258.7	PLN	DTVPLN	-DTVP0300
10	WSWP-TV	GRANDVIEW WV	392.7	CP MOD	BMPEDT	-20080214ACT
10	WSWP-TV	GRANDVIEW WV	392.7	PLN	DTVPLN	-DTVP0301
11	WTOL	TOLEDO OH	143.7	PLN	DTVPLN	-DTVP0336
11	WTOL	TOLEDO OH	143.7	APP	BPCDT	-20080403ACL
11	WPCW	JEANNETTE PA	172.2	CP	BPCDT	-20080523ADL
10	WILX-DT	ONONDAGA MI	265.3	APP	USERRECORD-01	

Total scenarios = 6

Result key: 403
Scenario 1 Affected station 14
Before Analysis

Results for: 10A OH SHAKER HEIGHTS	DTVPLN	DTVP0285	PLN
HAAT 304.0 m, ATV ERP 3.5 kW			
POPULATION	AREA (sq km)		
within Noise Limited Contour 3642443	19545.0		
not affected by terrain losses 3606022	19029.0		
lost to NTSC IX 0	0.0		
lost to additional IX by ATV 45470	356.0		
lost to ATV IX only 45470	356.0		
lost to all IX 45470	356.0		

Potential Interfering Stations Included in above Scenario 1

10A OH CINCINNATI	BPCDT	20080306AAP	CP
10A WV CLARKSBURG	BMPCDT	20020930AAV	CP
10A MI ONONDAGA	DTVPLN	DTVP0266	PLN

Table 1 WILX-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 15 of 21)

After Analysis

Results for: 10A OH SHAKER HEIGHTS	DTVPLN	DTVP0285	PLN
HAAT 304.0 m, ATV ERP 3.5 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	3642443	19545.0	
not affected by terrain losses	3606022	19029.0	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	53379	428.0	
lost to ATV IX only	53379	428.0	
lost to all IX	53379	428.0	

Potential Interfering Stations Included in above Scenario 1

10A OH CINCINNATI	BPCDT	20080306AAP	CP
10A WV CLARKSBURG	BMPCDT	20020930AAV	CP
10A MI ONONDAGA	USERRECORD01		APP

Percent new IX = 0.2221%

Worst case new IX 0.2221% Scenario 1

#####

Analysis of Interference to Affected Station 15

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
11	WGVU-TV	GRAND RAPIDS MI	BLEDT	-20060703ABP

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
10	WILX-TV	ONONDAGA MI	122.4	PLN	DTVPLN	-DTVP0266
11	WLFI-TV	LAFAYETTE IN	291.9	LIC	BLCDT	-20040520AIX
11	WLFI-TV	LAFAYETTE IN	291.9	PLN	DTVPLN	-DTVP0315
11	WBKB-TV	ALPENA MI	271.5	PLN	DTVPLN	-DTVP0323
11	WTOL	TOLEDO OH	251.4	PLN	DTVPLN	-DTVP0336
11	WTOL	TOLEDO OH	251.4	APP	BPCDT	-20080403ACL
11	WLUK-TV	GREEN BAY WI	233.1	CP	BPCDT	-20080313AAM
11	WLUK-TV	GREEN BAY WI	233.0	PLN	DTVPLN	-DTVP0356
11	WMSN-TV	MADISON WI	296.0	LIC	BLCDT	-20041118ACD
11	WMSN-TV	MADISON WI	296.0	PLN	DTVPLN	-DTVP0357
12	WBBM-TV	CHICAGO IL	186.6	CP	BPCDT	-20080328ADQ
12	WBBM-TV	CHICAGO IL	186.6	PLN	DTVPLN	-DTVP0375
12	WINM	ANGOLA IN	190.0	LIC	BLCDT	-20021025AAN
12	WINM	ANGOLA IN	190.0	PLN	DTVPLN	-DTVP0376
12	WJRT-TV	FLINT MI	152.0	PLN	DTVPLN	-DTVP0380
12	WJRT-TV	FLINT MI	152.1	APP	BPCDT	-20080610AAJ
10	WILX-DT	ONONDAGA MI	122.4	APP	USERRECORD-01	

Total scenarios = 24

Result key: 409
Scenario 1 Affected station 15
Before Analysis

Results for: 11A MI GRAND RAPIDS BLEDT 20060703ABP LIC

Table 1 WILX-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 16 of 21)

HAAT 238.0 m, ATV ERP 50.0 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	1790126	28225.9
not affected by terrain losses	1752483	27285.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	55091	1594.1
lost to ATV IX only	55091	1594.1
lost to all IX	55091	1594.1

Potential Interfering Stations Included in above Scenario 1

11A IN LAFAYETTE	BLCDT	20040520AIX	LIC
11A MI ALPENA	DTVPLN	DTVP0323	PLN
11A OH TOLEDO	DTVPLN	DTVP0336	PLN
11A WI GREEN BAY	BPCDT	20080313AAM	CP
11A WI MADISON	BLCDT	20041118ACD	LIC
10A MI ONONDAGA	DTVPLN	DTVP0266	PLN

After Analysis

Results for: 11A MI GRAND RAPIDS	BLEDT	20060703ABP	LIC
HAAT 238.0 m, ATV ERP 50.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1790126	28225.9	
not affected by terrain losses	1752483	27285.6	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	56830	1678.9	
lost to ATV IX only	56830	1678.9	
lost to all IX	56830	1678.9	

Potential Interfering Stations Included in above Scenario 1

11A IN LAFAYETTE	BLCDT	20040520AIX	LIC
11A MI ALPENA	DTVPLN	DTVP0323	PLN
11A OH TOLEDO	DTVPLN	DTVP0336	PLN
11A WI GREEN BAY	BPCDT	20080313AAM	CP
11A WI MADISON	BLCDT	20041118ACD	LIC
10A MI ONONDAGA	USERRECORD01		APP

Percent new IX = 0.1025%

Worst case new IX 0.1025% Scenario 1

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Analysis of Interference to Affected Station 16

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
11	WGVU-TV	GRAND RAPIDS MI	DTVPLN	-DTVP0324

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
10	WILX-TV	ONONDAGA MI	122.4	PLN	DTVPLN	-DTVP0266
11	WLFI-TV	LAFAYETTE IN	291.9	LIC	BLCDT	-20040520AIX
11	WLFI-TV	LAFAYETTE IN	291.9	PLN	DTVPLN	-DTVP0315
11	WBKB-TV	ALPENA MI	271.5	PLN	DTVPLN	-DTVP0323
11	WTOL	TOLEDO OH	251.4	PLN	DTVPLN	-DTVP0336
11	WTOL	TOLEDO OH	251.4	APP	BPCDT	-20080403ACL

Table 1 WILX-DT OET Bulletin 69 Interference Study

(worst-case scenarios shown page 17 of 21)

11	WLUK-TV	GREEN BAY WI	233.1	CP	BPCDT	-20080313AAM
11	WLUK-TV	GREEN BAY WI	233.0	PLN	DTVPLN	-DTVP0356
11	WMSN-TV	MADISON WI	296.0	LIC	BLCDT	-20041118ACD
11	WMSN-TV	MADISON WI	296.0	PLN	DTVPLN	-DTVP0357
12	WBBM-TV	CHICAGO IL	186.6	CP	BPCDT	-20080328ADQ
12	WBBM-TV	CHICAGO IL	186.6	PLN	DTVPLN	-DTVP0375
12	WINM	ANGOLA IN	190.0	LIC	BLCDT	-20021025AAN
12	WINM	ANGOLA IN	190.0	PLN	DTVPLN	-DTVP0376
12	WJRT-TV	FLINT MI	152.0	PLN	DTVPLN	-DTVP0380
12	WJRT-TV	FLINT MI	152.1	APP	BPCDT	-20080610AAJ
10	WILX-DT	ONONDAGA MI	122.4	APP	USERRECORD-01	

Total scenarios = 24

Result key: 433

Scenario 1 Affected station 16
Before Analysis

Results for: 11A MI GRAND RAPIDS	DTVPLN	DTVP0324	PLN
HAAT 238.0 m, ATV ERP 50.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1790126	28225.9	
not affected by terrain losses	1752483	27285.6	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	55091	1594.1	
lost to ATV IX only	55091	1594.1	
lost to all IX	55091	1594.1	

Potential Interfering Stations Included in above Scenario 1

11A IN LAFAYETTE	BLCDT	20040520AIX	LIC
11A MI ALPENA	DTVPLN	DTVP0323	PLN
11A OH TOLEDO	DTVPLN	DTVP0336	PLN
11A WI GREEN BAY	BPCDT	20080313AAM	CP
11A WI MADISON	BLCDT	20041118ACD	LIC
10A MI ONONDAGA	DTVPLN	DTVP0266	PLN

After Analysis

Results for: 11A MI GRAND RAPIDS	DTVPLN	DTVP0324	PLN
HAAT 238.0 m, ATV ERP 50.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1790126	28225.9	
not affected by terrain losses	1752483	27285.6	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	56830	1678.9	
lost to ATV IX only	56830	1678.9	
lost to all IX	56830	1678.9	

Potential Interfering Stations Included in above Scenario 1

11A IN LAFAYETTE	BLCDT	20040520AIX	LIC
11A MI ALPENA	DTVPLN	DTVP0323	PLN
11A OH TOLEDO	DTVPLN	DTVP0336	PLN
11A WI GREEN BAY	BPCDT	20080313AAM	CP
11A WI MADISON	BLCDT	20041118ACD	LIC
10A MI ONONDAGA	USERRECORD01		APP

Percent new IX = 0.1025%

Worst case new IX 0.1025% Scenario 1

Table 1 WILX-DT OET Bulletin 69 Interference Study

(worst-case scenarios shown page 18 of 21)

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Analysis of Interference to Affected Station 17

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
11	WTOL	TOLEDO OH	DTVPLN	-DTVP0336

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
10	WILX-TV	ONONDAGA MI	130.4	PLN	DTVPLN	-DTVP0266
10	WOIO	SHAKER HEIGHTS OH	143.7	LIC	BLCDT	-19991110AAR
10	WOIO	SHAKER HEIGHTS OH	143.7	PLN	DTVPLN	-DTVP0285
11	WLFI-TV	LAFAYETTE IN	306.3	LIC	BLCDT	-20040520AIX
11	WLFI-TV	LAFAYETTE IN	306.3	PLN	DTVPLN	-DTVP0315
11	WHAS-TV	LOUISVILLE KY	424.2	PLN	DTVPLN	-DTVP0318
11	WHAS-TV	LOUISVILLE KY	424.2	CP	BPCDT	-20080314AAD
11	WBKB-TV	ALPENA MI	337.0	PLN	DTVPLN	-DTVP0323
11	WGVU-TV	GRAND RAPIDS MI	251.4	LIC	BLEDT	-20060703ABP
11	WGVU-TV	GRAND RAPIDS MI	251.4	PLN	DTVPLN	-DTVP0324
11	WPCW	JEANNETTE PA	310.5	CP	BPCDT	-20080523ADL
11	WPCW	JEANNETTE PA	391.0	PLN	DTVPLN	-DTVP0342
12	WINM	ANGOLA IN	120.8	LIC	BLCDT	-20021025AAN
12	WINM	ANGOLA IN	120.8	PLN	DTVPLN	-DTVP0376
12	WJRT-TV	FLINT MI	181.8	PLN	DTVPLN	-DTVP0380
12	WJRT-TV	FLINT MI	181.9	APP	BPCDT	-20080610AAJ
12	WMFD-TV	MANSFIELD OH	119.4	LIC	BLCDT	-20021015ABV
12	WMFD-TV	MANSFIELD OH	119.4	PLN	DTVPLN	-DTVP0398
12	WMFD-TV	MANSFIELD OH	119.4	CP	BPCDT	-20040526ABT
10	WILX-DT	ONONDAGA MI	130.4	APP	USERRECORD-01	

Total scenarios = 24

Result key: 458

Scenario 2 Affected station 17
Before Analysis

Results for: 11A OH TOLEDO	DTVPLN	DTVP0336	PLN
HAAT 263.0 m, ATV ERP 13.1 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2406552	22855.8	
not affected by terrain losses	2400011	22807.4	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	12046	282.1	
lost to ATV IX only	12046	282.1	
lost to all IX	12046	282.1	

Potential Interfering Stations Included in above Scenario 2

11A IN LAFAYETTE	BLCDT	20040520AIX	LIC
11A MI ALPENA	DTVPLN	DTVP0323	PLN
11A MI GRAND RAPIDS	BLEDT	20060703ABP	LIC
12A IN ANGOLA	BLCDT	20021025AAN	LIC
12A OH MANSFIELD	DTVPLN	DTVP0398	PLN
10A MI ONONDAGA	DTVPLN	DTVP0266	PLN

After Analysis

Table 1 WILX-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 19 of 21)

Results for: 11A OH TOLEDO	DTVPLN	DTVP0336	PLN
HAAT 263.0 m, ATV ERP 13.1 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2406552	22855.8	
not affected by terrain losses	2400011	22807.4	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	13971	326.4	
lost to ATV IX only	13971	326.4	
lost to all IX	13971	326.4	

Potential Interfering Stations Included in above Scenario 2

11A IN LAFAYETTE	BLCDT	20040520AIX	LIC
11A MI ALPENA	DTVPLN	DTVP0323	PLN
11A MI GRAND RAPIDS	BLEDT	20060703ABP	LIC
12A IN ANGOLA	BLCDT	20021025AAN	LIC
12A OH MANSFIELD	DTVPLN	DTVP0398	PLN
10A MI ONONDAGA	USERRECORD01		APP

Percent new IX = 0.0806%

Worst case new IX 0.0806% Scenario 2

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Analysis of Interference to Affected Station 18

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
11	WTOL	TOLEDO OH	BPCDT	-20080403ACL

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
10	WILX-TV	ONONDAGA MI	130.4	PLN	DTVPLN	-DTVP0266
10	WOIO	SHAKER HEIGHTS OH	143.7	LIC	BLCDT	-19991110AAR
10	WOIO	SHAKER HEIGHTS OH	143.7	PLN	DTVPLN	-DTVP0285
11	WLFI-TV	LAFAYETTE IN	306.3	LIC	BLCDT	-20040520AIX
11	WLFI-TV	LAFAYETTE IN	306.3	PLN	DTVPLN	-DTVP0315
11	WHAS-TV	LOUISVILLE KY	424.2	PLN	DTVPLN	-DTVP0318
11	WHAS-TV	LOUISVILLE KY	424.2	CP	BPCDT	-20080314AAD
11	WBKB-TV	ALPENA MI	337.0	PLN	DTVPLN	-DTVP0323
11	WGVU-TV	GRAND RAPIDS MI	251.4	LIC	BLEDT	-20060703ABP
11	WGVU-TV	GRAND RAPIDS MI	251.4	PLN	DTVPLN	-DTVP0324
11	WPCW	JEANNETTE PA	310.5	CP	BPCDT	-20080523ADL
11	WPCW	JEANNETTE PA	391.0	PLN	DTVPLN	-DTVP0342
12	WINM	ANGOLA IN	120.8	LIC	BLCDT	-20021025AAN
12	WINM	ANGOLA IN	120.8	PLN	DTVPLN	-DTVP0376
12	WJRT-TV	FLINT MI	181.8	PLN	DTVPLN	-DTVP0380
12	WJRT-TV	FLINT MI	181.9	APP	BPCDT	-20080610AAJ
12	WMFD-TV	MANSFIELD OH	119.4	LIC	BLCDT	-20021015ABV
12	WMFD-TV	MANSFIELD OH	119.4	PLN	DTVPLN	-DTVP0398
12	WMFD-TV	MANSFIELD OH	119.4	CP	BPCDT	-20040526ABT
10	WILX-DT	ONONDAGA MI	130.4	APP	USERRECORD-01	

Total scenarios = 24

Result key: 482
Scenario 2 Affected station 18
Before Analysis

Table 1 WILX-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 20 of 21)

Results for: 11A OH TOLEDO	BPCDT	20080403ACL	APP
HAAT 304.0 m, ATV ERP 17.6 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2545266	25336.4	
not affected by terrain losses	2544306	25328.3	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	18724	382.8	
lost to ATV IX only	18724	382.8	
lost to all IX	18724	382.8	

Potential Interfering Stations Included in above Scenario 2

11A IN LAFAYETTE	BLCDT	20040520AIX	LIC
11A MI ALPENA	DTVPLN	DTVP0323	PLN
11A MI GRAND RAPIDS	BLEDT	20060703ABP	LIC
12A IN ANGOLA	BLCDT	20021025AAN	LIC
12A OH MANSFIELD	DTVPLN	DTVP0398	PLN
10A MI ONONDAGA	DTVPLN	DTVP0266	PLN

After Analysis

Results for: 11A OH TOLEDO	BPCDT	20080403ACL	APP
HAAT 304.0 m, ATV ERP 17.6 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2545266	25336.4	
not affected by terrain losses	2544306	25328.3	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	23951	471.5	
lost to ATV IX only	23951	471.5	
lost to all IX	23951	471.5	

Potential Interfering Stations Included in above Scenario 2

11A IN LAFAYETTE	BLCDT	20040520AIX	LIC
11A MI ALPENA	DTVPLN	DTVP0323	PLN
11A MI GRAND RAPIDS	BLEDT	20060703ABP	LIC
12A IN ANGOLA	BLCDT	20021025AAN	LIC
12A OH MANSFIELD	DTVPLN	DTVP0398	PLN
10A MI ONONDAGA	USERRECORD01		APP

Percent new IX = 0.2070%

Worst case new IX 0.2070% Scenario 2

#####

Analysis of Interference to Affected Station 19

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
10	WILX-DT	ONONDAGA MI	USERRECORD-01	

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
09	WWTV	CADILLAC MI	198.3	PLN	DTVPLN	-DTVP0201
09	WWTV	CADILLAC MI	198.3	CP	BPCDT	-20080328ADX
10	WWTO-TV	LA SALLE IL	383.6	CP	BPCDT	-20080307AAT
10	WWTO-TV	LA SALLE IL	383.6	LIC	BLCDT	-20060630AEE

Table 1 WILX-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 21 of 21)

10	WWTO-TV	LASALLE IL	383.6	PLN	DTVPLN	-DTVP0255
10	WTHI-TV	TERRE HAUTE IN	427.0	CP	BPCDT	-20080313AAR
10	WTHI-TV	TERRE HAUTE IN	427.0	PLN	DTVPLN	-DTVP0257
10	WWUP-TV	SAULT STE. MARIE MI	404.2	PLN	DTVPLN	-DTVP0267
10	WWUP-TV	SAULT STE. MARIE MI	403.8	APP	BPCDT	-20080328ADZ
10	WCPO-TV	CINCINNATI OH	368.8	CP	BPCDT	-20080306AAP
10	WCPO-TV	CINCINNATI OH	368.8	PLN	DTVPLN	-DTVP0284
10	WCPO-TV	CINCINNATI OH	368.8	LIC	BLCDT	-20041230ACA
10	WOIO	SHAKER HEIGHTS OH	265.3	LIC	BLCDT	-19991110AAR
10	WOIO	SHAKER HEIGHTS OH	265.3	PLN	DTVPLN	-DTVP0285
11	WGVU-TV	GRAND RAPIDS MI	122.4	LIC	BLEDT	-20060703ABP
11	WGVU-TV	GRAND RAPIDS MI	122.4	PLN	DTVPLN	-DTVP0324
11	WTOL	TOLEDO OH	130.4	PLN	DTVPLN	-DTVP0336
11	WTOL	TOLEDO OH	130.4	APP	BPCDT	-20080403ACL

Total scenarios = 24

Result key: 512
Scenario 8 Affected station 19
Before Analysis

Results for: 10A MI ONONDAGA USERRECORD01 APP
HAAT 299.0 m, ATV ERP 30.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3270655	31951.5
not affected by terrain losses	3144492	31565.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	114806	587.4
lost to ATV IX only	114806	587.4
lost to all IX	114806	587.4

Potential Interfering Stations Included in above Scenario 8

10A OH CINCINNATI	DTVPLN	DTVP0284	PLN
10A OH SHAKER HEIGHTS	DTVPLN	DTVP0285	PLN
11A MI GRAND RAPIDS	DTVPLN	DTVP0324	PLN
11A OH TOLEDO	DTVPLN	DTVP0336	PLN

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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 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 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 type="radio"/> Yes <input checked="" 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 checked="" type="radio"/> Yes <input 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 10 Analog TV, if any 10
2.	Zone: <input checked="" type="radio"/> I <input type="radio"/> II <input type="radio"/> III
3.	Antenna Location Coordinates: (NAD 27) Latitude: Degrees 42 Minutes 26 Seconds 33 <input checked="" type="radio"/> North <input type="radio"/> South Longitude: Degrees 84 Minutes 34 Seconds 21 <input checked="" type="radio"/> West <input type="radio"/> East
4.	Antenna Structure Registration Number: 1007810 <input type="checkbox"/> Not Applicable <input type="checkbox"/> Notification filed with FAA
5.	Antenna Location Site Elevation Above Mean Sea Level: 293.6 meters
6.	Overall Tower Height Above Ground Level: 302.8 meters
7.	Height of Radiation Center Above Ground Level: 291.9 meters
8.	Height of Radiation Center Above Average Terrain : 298.5 meters
9.	Maximum Effective Radiated Power (average power): 30 kW
10.	Antenna Specifications:

a. Manufacturer HAR Model TAB-10H	
b. Electrical Beam Tilt: 0.5 degrees <input type="checkbox"/> Not Applicable	
c. Mechanical Beam Tilt: degrees toward azimuth degrees True <input checked="" type="checkbox"/> Not Applicable	
Attach as an Exhibit all data specified in 47 C.F.R. Section 73.625(c).	[Exhibit 42]
d. Polarization: <input checked="" type="radio"/> Horizontal <input type="radio"/> Circular <input type="radio"/> Elliptical	
e. Directional Antenna Relative Field Values: <input checked="" type="checkbox"/> Not applicable (Nondirectional)	
[For a composite directional (not off-the-shelf) antenna, press the following button to fill in the relative field values subform.] [Relative Field Values]	
If a directional antenna is proposed, the requirements of 47 C.F.R. Sections 73.625(c) must be satisfied. Exhibit required.	[Exhibit 43]
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?	<input checked="" type="radio"/> Yes <input type="radio"/> No [Exhibit 44]
If "No," attach as an Exhibit justification therefor, including a summary of any related previously granted waivers.	
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 6/13/2008	
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).