

ENGINEERING EXHIBIT

Application for Digital Television Station Construction Permit

prepared for

Detroit Television Station WKBD Inc.

WKBD-DT Detroit, MI
Facility ID 51570
Ch. 14 180 kW 269 m

Detroit Television Station WKBD Inc. (“WKBD”) is the licensee of television station WKBD(TV), analog Channel 50 and digital Channel 14, Detroit, MI. The WKBD-DT Channel 14 facility is licensed with an effective radiated power (“ERP”) of 58.7 kW at 269 meters antenna height above average terrain (“HAAT”), with a side-mounted antenna (BLCDDT-20001215ABR). WKBD-DT will remain on its current digital Channel 14 with its licensed facility for the post-transition period, as established in Appendix B of the Seventh Report and Order in MB Docket 87-278.

An application is pending (BPCDDT-20080619ABE) for a Construction Permit (“CP”) to expand the WKBD-DT post-transition Channel 14 digital facility to 370 kW ERP and 294 meters antenna HAAT utilizing a top-mount antenna. The actual implementation of the CP, once granted, will occur well after the digital transition date due to the logistics involved with replacing the existing top-mount Channel 50 analog with a new Channel 14 antenna and upgrading the transmitter equipment. Meanwhile, WKBD-DT presently has the capability of increasing the ERP of the currently licensed side-mount antenna to 180 kW with existing equipment. This power increase would help avoid loss of service when the analog Channel 50 facility ceases operation at the transition date. Accordingly, the instant application seeks a CP to increase the WKBD-DT ERP to 180 kW utilizing the existing side-mounted antenna system. The proposal is for both pre-transition and post-transition periods.

WKBD does intend on constructing the top-mount facility proposed in BPCDDT-20080619ABE within the three year buildout term and specifically requests that the instant

application not cause BPCDT-20080619ABE to be modified or superseded. To accomplish the power increase for the side-mount antenna and avoid the modification of BPCDT-20080619ABE, Commission Staff has informally advised to file the accompanying Form 301 as separate application from BPCDT-20080619ABE and to coordinate its submission with Staff.

The proposal would increase the ERP to 180 kW with the continued use of the currently licensed antenna system. The antenna is a horizontally polarized Dielectric model TLP-24H(C). The directional antenna's azimuthal pattern is depicted in **Figure 1**. **Figures 2** and **2A** provide the theoretical vertical plane (elevation) pattern¹.

The antenna is side-mounted on an existing antenna supporting structure, having FCC Antenna Structure Registration ("ASR") number 1007996. No change to the overall structure height and no tower work are required to carry out this proposal.

A map is supplied as **Figure 3**, which depicts the standard predicted coverage contours. This map includes the boundaries of Detroit, WKBD-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 WKBD-DT facility's predicted post-transition service population provides a 99.9 percent match of the Appendix B facility, as detailed in the following table.

Post-Transition Population Summary		
Population Summary (2000 Census) OET Bulletin 69 method	Appendix B	Proposed
Within Noise Limited Contour	5,129,522	5,118,372
Not affected by terrain losses	5,129,522	5,118,372
Lost to all interference	6,618	0
Net DTV Service	5,122,904	5,118,372
Match of Appendix B	---	99.91%

¹ These patterns are supplied in terms of relative field. In recent years, FCC Staff have not required pattern data in dBk format however such patterns are available upon request.

The map attached as **Figure 4** supplies a comparison of the noise-limited service contours corresponding to the proposed WKBD-DT facility and the currently licensed WKBD analog and digital facilities. As shown thereon, the proposed power increase will eliminate nearly all of the analog contour loss area associated with the currently licensed operations.

The proposed ERP / HAAT combination exceeds the allotment value for the transition (50 kW / 293 m from Appendix B of the Sixth Report and Order in MB Docket 87-278), therefore an interference analysis is required for consideration of the transition period. A detailed interference study per OET Bulletin 69² 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.

Regarding impact to post-transition operations, a separate OET Bulletin 69 interference study 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 post-transition interference study output report is provided as **Table 2**.

The nearest FCC monitoring station is 218 km distant at Allegan, MI. This exceeds by a large margin the threshold minimum distance specified in §73.1030(c)(3) that would suggest consideration of the monitoring station. The site is not located within the areas requiring coordination with "quiet" zones specified in §73.1030(a) and (b). There are no authorized AM stations within 3.2 kilometers of the site, based on information contained within the Commission's database.

The site location is within the Canadian coordination zone (27 km to the Canada border). However further international coordination is not necessary beyond that already established during

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.

the transition. A prior, unbuilt CP had authorized WKBD-DT to increase to 200 kW ERP with the same antenna system as specified herein (BPCDT-20000428ABU). Although that CP expired on July 23, 2007, the Canadian coordination obtained with respect to that facility should still be valid and should cover the currently proposed operation at 180 kW.

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 considering 20 percent antenna relative field in downward elevations (pattern data shows less than 20 percent relative field at angles 10 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 $3.0 \mu\text{W}/\text{cm}^2$, which is 0.94 percent of the general population/uncontrolled maximum permitted 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.
November 4, 2008

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List of Attachments

Figure 1	Antenna Horizontal Plane Pattern
Figure 2, 2A	Antenna Vertical Plane (Elevation) Pattern
Figure 3	Proposed Coverage Contours
Figure 4	Coverage Contour Comparison
Table 1	OET Bulletin 69 Interference Study (Pre-Transition Period)
Table 2	OET Bulletin 69 Interference Study (Post-Transition Period)
Form 301	Saved Version of Engineering Sections from FCC Form at Time of Upload

This material was entered November 4, 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.



Date **25 May 1999**
Call Letters **WKBD-DT** Channel **14**
Location **Detroit, MI**
Customer
Antenna Type **TLP-24H Custom**

AZIMUTH PATTERN

RMS Gain at Main Lobe
Calculated / Measured

1.70 (2.30 dB)
Calculated

Frequency **473 MHz**
Drawing # **TLP-H**

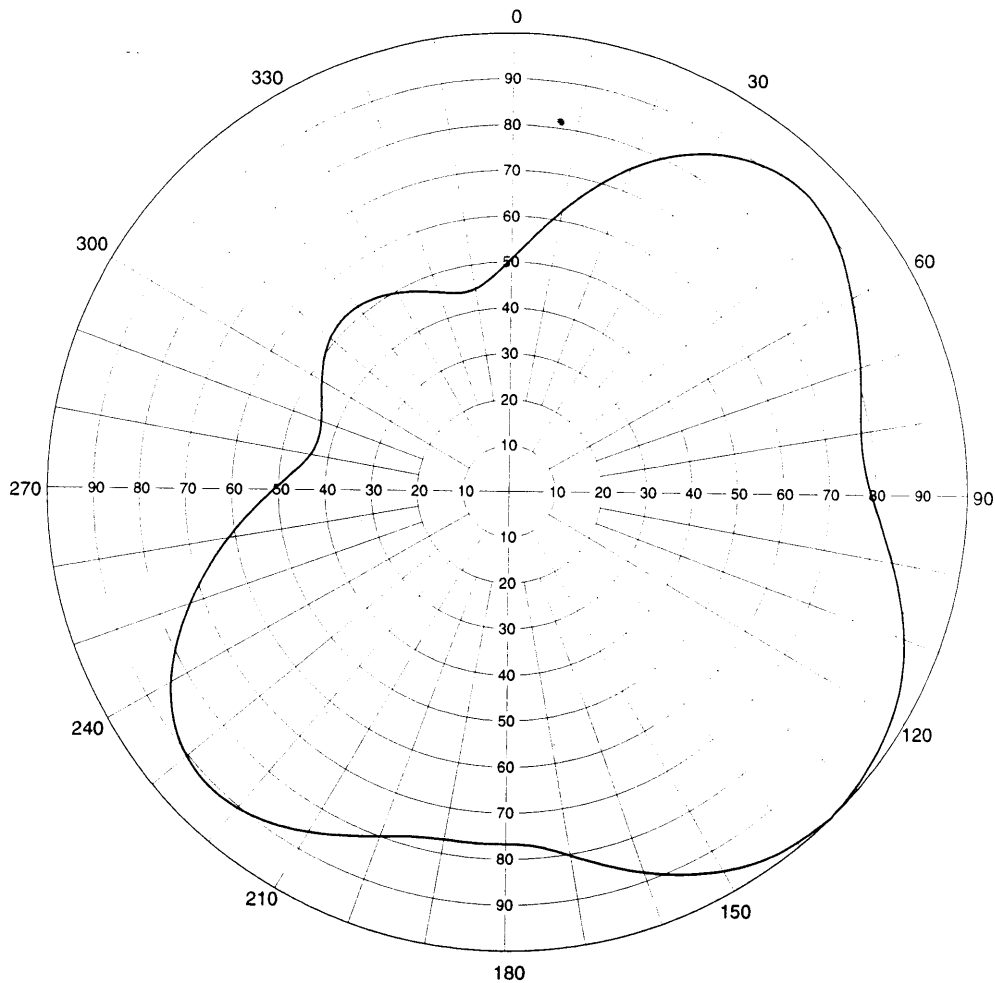


Figure 1
Antenn Horizontal Plane Pattern
WKBD-DT Detroit, MI
Facility ID 51570
Ch. 14 180 kW 269 m

prepared for
Detroit Television
Station WKBD Inc.

November, 2008

Dielectric

Date **25 May 1999**
Call Letters **WKBD-DT** Channel **14**
Location **Detroit, MI**
Customer
Antenna Type **TLP-24H Custom**

ELEVATION PATTERN

RMS Gain at Main Lobe	21.0	(13.22 dB)	Beam Tilt	1.00 deg
RMS Gain at Horizontal	9.5	(9.77 dB)	Frequency	473.00 MHz
Calculated / Measured	Calculated		Drawing #	24L210100-90

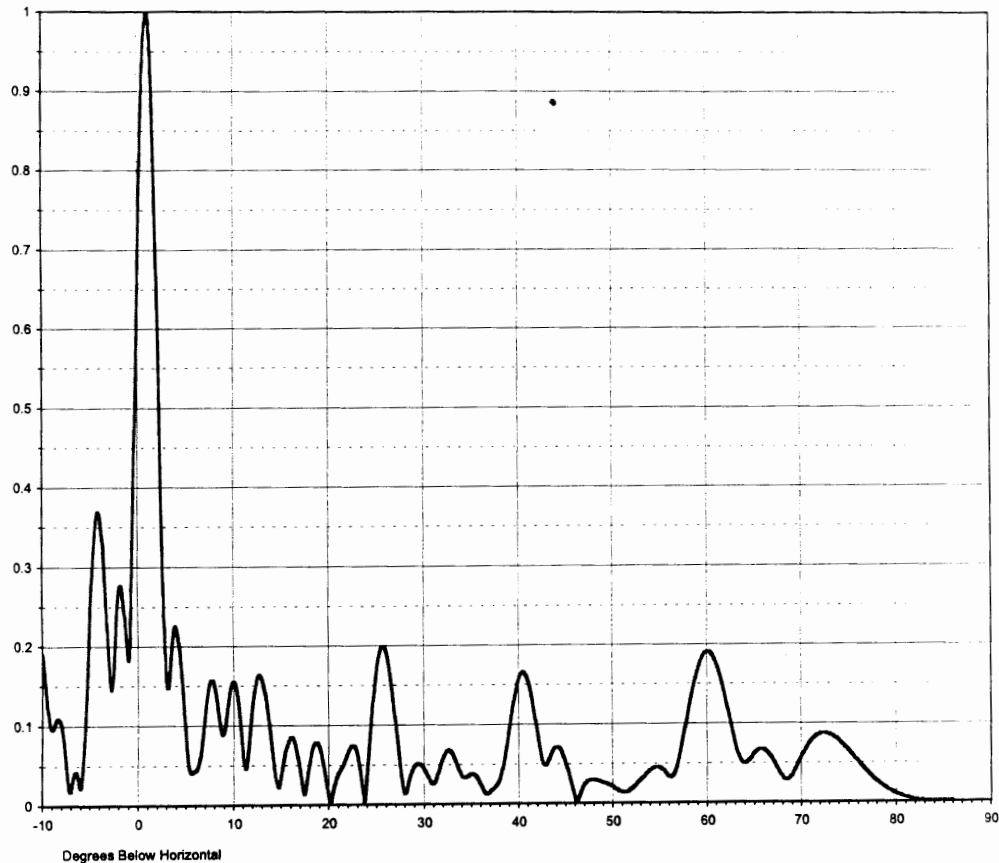


Figure 2
Antenna Vertical (Elevation)
Plane Pattern
WKBD-DT Detroit, MI
Facility ID 51570
Ch. 14 180 kW 269 m

prepared for
Detroit Television
Station WKBD Inc.

November, 2008



Date **25 May 1999**
Call Letters **WKBD-DT** Channel **14**
Location **Detroit, MI**
Customer
Antenna Type **TLP-24H Custom**

ELEVATION PATTERN

RMS Gain at Main Lobe	21.0	(13.22 dB)	Beam Tilt	1.00 deg
RMS Gain at Horizontal	9.5	(9.77 dB)	Frequency	473.00 MHz
Calculated / Measured	Calculated		Drawing #	24L210100

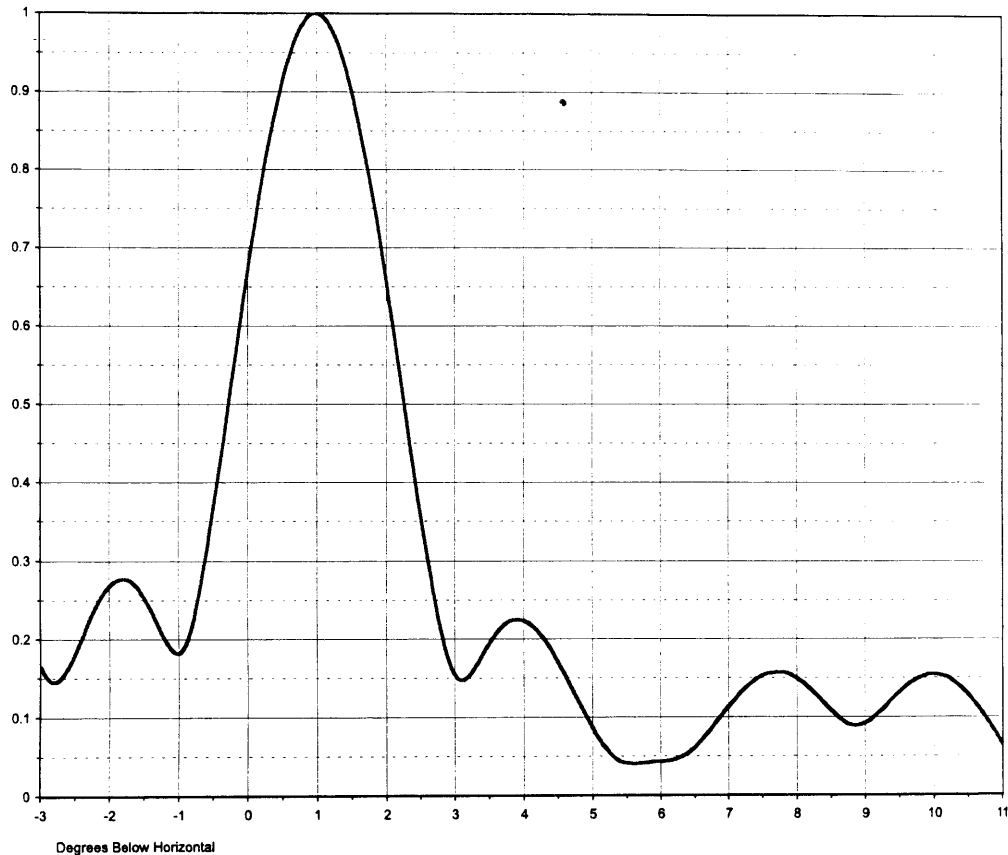
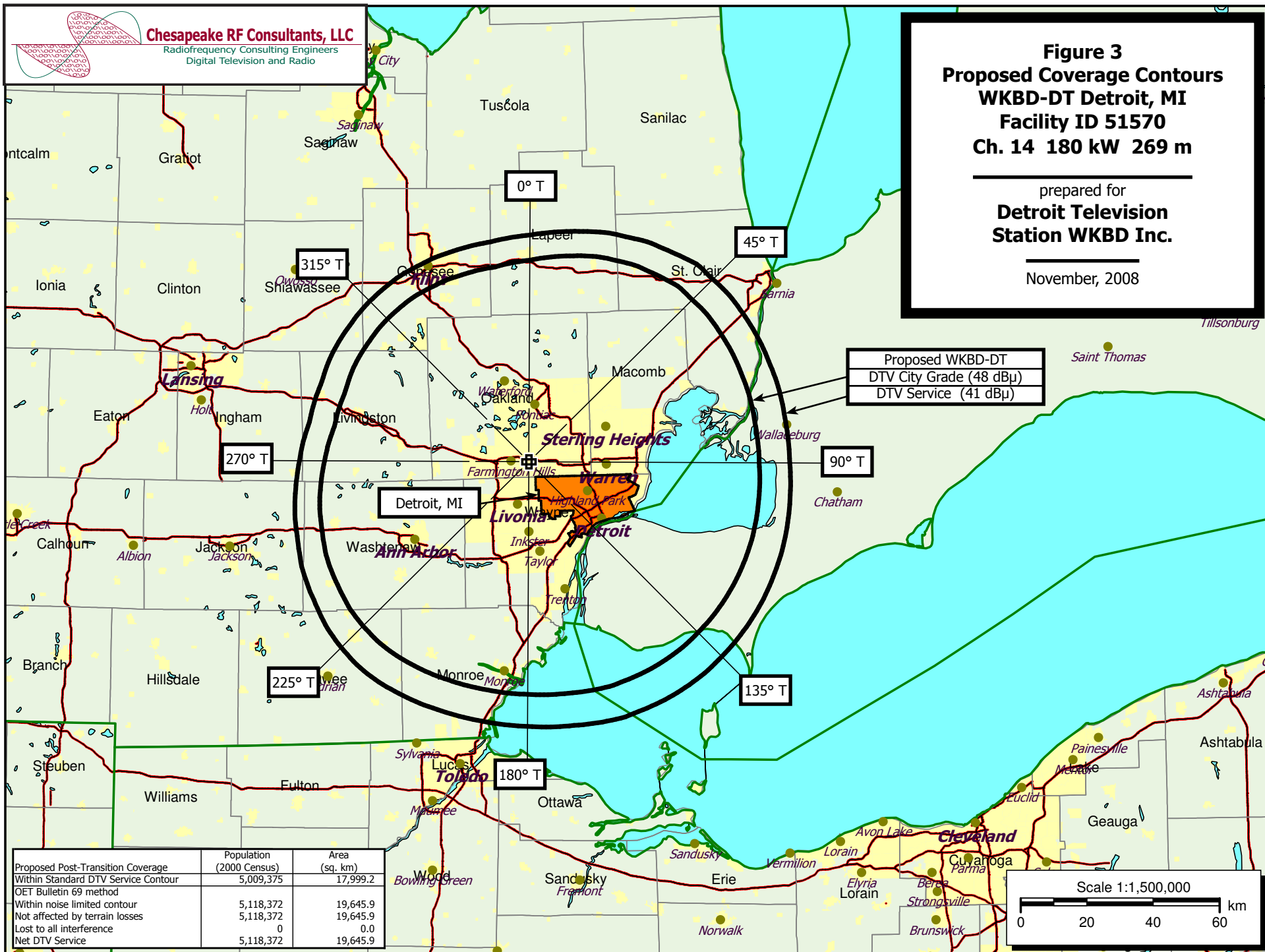


Figure 2A
Antenna Vertical (Elevation)
Plane Pattern - Detail
WKBD-DT Detroit, MI
Facility ID 51570
Ch. 14 180 kW 269 m

prepared for
Detroit Television
Station WKBD Inc.

November, 2008



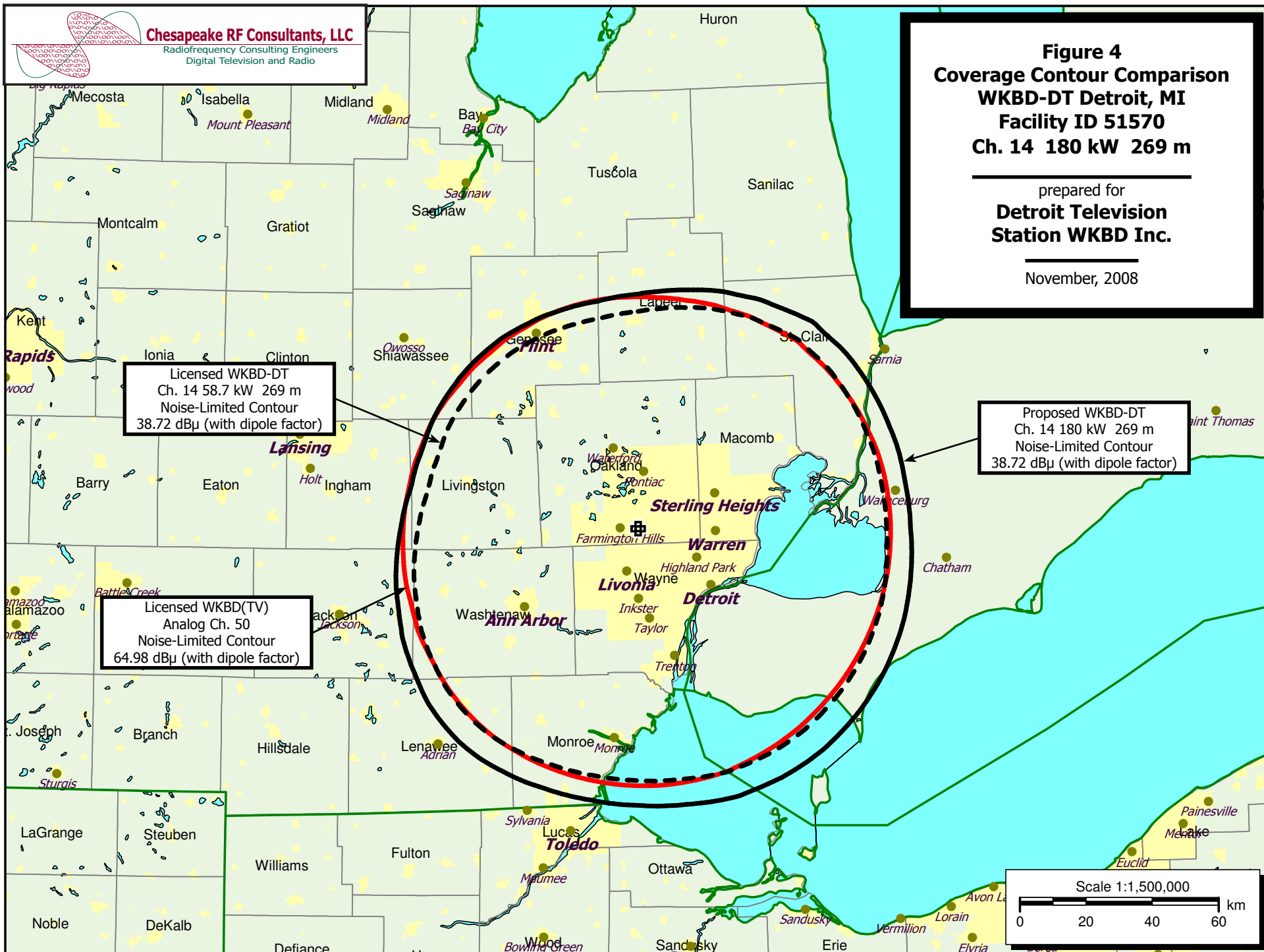


Table 1 WKBD-DT OET Bulletin 69 Interference Study (Pre-Transition)
(worst-case scenarios shown page 1 of 19)

Census data selected 1990

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 11-04-2008 Time: 12:20:26

Record Selected for Analysis

WKBD-DT USERRECORD-01 DETROIT MI US
Channel 14 ERP 180. kW HAAT 269. m RCAMSL 00500 m
Latitude 042-29-01 Longitude 0083-18-44
Status APP Zone 1 Border
Dir Antenna Make usr Model WKBD-DT Beam tilt N Ref Azimuth 0.
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	46.269	225.1	68.5
45.0	148.894	274.1	78.3
90.0	112.623	295.3	78.7
135.0	180.000	303.3	82.5
180.0	106.168	309.4	79.7
225.0	147.099	288.2	79.6
270.0	46.818	236.9	69.4
315.0	47.926	219.9	68.4

Evaluation toward Class A Stations

Station inside contour of Class A station
WDWO-CA 18 DETROIT MI BLTTL 20000310ABE

Station inside contour of Class A station
WDWO-CA 18 DETROIT MI BPTTA 20080801BAL

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 = 27.3km

Table 1 WKBD-DT OET Bulletin 69 Interference Study (Pre-Transition)
(worst-case scenarios shown page 2 of 19)

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Channel	Call	City/State	ARN
14	WKBD-DT	DETROIT MI	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WOBC-CA	BATTLE CREEK MI	153.7	LIC	BLTTA	-20021206AAN
14	WTOM-DT	CHEBOYGAN MI	361.5	PLN	DTVPLN	-DTVPO133
14	WCMU-TV	MOUNT PLEASANT MI	169.9	LIC	BMLET	-19940726KE
14	WUTV-DT	BUFFALO NY	362.8	PLN	DTVPLN	-DTVPO143
14	WUTV	BUFFALO NY	362.8	LIC	BLCDT	-20060829BGK
14	WCMH-DT	COLUMBUS OH	280.3	PLN	DTVPLN	-DTVPO145
14	WPTO	OXFORD OH	351.7	LIC	BMLET	-19860925KF
15	WDCQ-TV	BAD AXE MI	121.0	LIC	BLEDT	-20030922ABG
15	WUCX-DT	BAD AXE MI	137.5	PLN	DTVPLN	-DTVPO172
15	WEWS-DT	CLEVELAND OH	180.5	PLN	DTVPLN	-DTVPO184
18	WDWO-CA	DETROIT MI	13.0	LIC	BLTTL	-20000310ABE
18	WDWO-CA	DETROIT MI	13.0	APP	BPTTA	-20080801BAL
18	WHTV	JACKSON MI	99.6	LIC	BLCT	-20001023ADV

Analysis of Interference to Affected Station 1

Channel	Call	City/State	Application	Ref. No.
14	WOBC-CA	BATTLE CREEK MI	BLTTA	-20021206AAN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WTIU	BLOOMINGTON IN	367.2	LIC	BLEDT	-20030925AVS
14	WTIU-DT	BLOOMINGTON IN	367.2	PLN	DTVPLN	-DTVPO128
14	WTOM-DT	CHEBOYGAN MI	379.4	PLN	DTVPLN	-DTVPO133
14	WKBD-DT	DETROIT MI	153.7	PLN	DTVPLN	-DTVPO134
14	WKBD	DETROIT MI	153.7	CP	BPCDT	-20000428ABU
14	WCMU-TV	MOUNT PLEASANT MI	146.6	LIC	BMLET	-19940726KE
14	WCMH-DT	COLUMBUS OH	313.6	PLN	DTVPLN	-DTVPO145
14	WPTO	OXFORD OH	311.2	LIC	BMLET	-19860925KF
14	WIWB	SURING WI	368.7	LIC	BLCT	-19980622KF
15	WANE-TV	FORT WAYNE IN	132.7	LIC	BLCT	-20020326AAR
16	WSMH	FLINT MI	137.8	CP	BPCDT	-19991028ACK
16	WSMH-DT	FLINT MI	137.8	PLN	DTVPLN	-DTVPO225
28	WSJV	ELKHART IN	113.2	LIC	BLCT	-19991223ACN
14	WKBD-DT	DETROIT MI	153.7	APP	USERRECORD-01	

Proposal causes no interference

Table 1 WKBD-DT OET Bulletin 69 Interference Study (Pre-Transition)
(worst-case scenarios shown page 3 of 19)

Analysis of Interference to Affected Station 2

DTV Baseline Analysis

Channel	Call	City/State	Application Ref. No.
14	WTOM-DT	CHEBOYGAN MI	DTVPLN -DTVPO133

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
14	WKBD-DT	DETROIT MI	361.5	PLN	DTVPLN -DTVPO134
14	WCMUTV	MOUNT PLEASANT MI	233.3	PLN	DTVPLN -NPLN0890
14	WSCO	SURING WI	323.0	PLN	DTVPLN -NPLN0910

Results for: 14A MI CHEBOYGAN DTVPLN DTVPO133 PLN
HAAT 189.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	159743	27207.0
not affected by terrain losses	147951	26808.3
lost to NTSC IX	908	104.7
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	908	104.7

NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
04	WTOMTV	CHEBOYGAN MI	DTVPLN -NPLN0293

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
03	WJMNTV	ESCANABA MI	208.5	PLN	DTVPLN -NPLN0232
04	WDIV	DETROIT MI	363.6	PLN	DTVPLN -NPLN0294
04	NEW	CRANDON WI	385.9	PLN	DTVPLN -NPLN0331
04	WTMJTV	MILWAUKEE WI	401.0	PLN	DTVPLN -NPLN0332

Results for: 4N MI CHEBOYGAN DTVPLN NPLN0293 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	159743	27207.0
not affected by terrain losses	143022	26176.1
lost to NTSC IX	6703	716.8
lost to additional IX by ATV	0	0.0
lost to all IX	6703	716.8

Analysis of current record

Channel	Call	City/State	Application Ref. No.
14	WTOM-DT	CHEBOYGAN MI	DTVPLN -DTVPO133

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
14	WKBD-DT	DETROIT MI	361.5	PLN	DTVPLN -DTVPO134
14	WCMU-TV	MOUNT PLEASANT MI	233.1	LIC	BMLET -19940726KE
14	WIWB	SURING WI	323.0	LIC	BLCT -19980622KF
14	WKBD-DT	DETROIT MI	361.5	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 3

Table 1 WKBD-DT OET Bulletin 69 Interference Study (Pre-Transition)
(worst-case scenarios shown page 4 of 19)

NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
14	WCMUTV	MOUNT PLEASANT MI	DTVPLN -NPLN0890

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
14	WTOM-DT	CHEBOYGAN MI	233.3	PLN	DTVPLN -DTVPO133
14	WKBD-DT	DETROIT MI	169.5	PLN	DTVPLN -DTVPO134
14	WSCO	SURING WI	306.3	PLN	DTVPLN -NPLN0910
15	WUCX-DT	BAD AXE MI	147.9	PLN	DTVPLN -DTVPO172
16	WSMH-DT	FLINT MI	70.0	PLN	DTVPLN -DTVPO225
17	WXMI	GRAND RAPIDS MI	116.2	PLN	DTVPLN -NPLN0987
17	WCMW-DT	MANISTEE MI	136.6	PLN	DTVPLN -DTVPO265
18	WUCM-DT	UNIVERSITY CENTER MI	63.7	PLN	DTVPLN -DTVPO309
21	WCMW	MANISTEE MI	136.6	PLN	DTVPLN -NPLN1111
22	WNEM-DT	BAY CITY MI	75.8	PLN	DTVPLN -DTVPO486
28	WFUM	FLINT MI	129.9	PLN	DTVPLN -NPLN1334
29	WGTU	TRAVERSE CITY MI	132.7	PLN	DTVPLN -NPLN1359

Results for: 14N MI MOUNT PLEASANT DTVPLN NPLN0890 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	265292	8657.4
not affected by terrain losses	265205	8645.4
lost to NTSC IX	795	28.0
lost to additional IX by ATV	4382	259.7
lost to all IX	5177	287.6

Analysis of current record

Channel	Call	City/State	Application Ref. No.
14	WCMU-TV	MOUNT PLEASANT MI	BMLET -19940726KE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
14	WTOM-DT	CHEBOYGAN MI	233.1	PLN	DTVPLN -DTVPO133
14	WKBD-DT	DETROIT MI	169.9	PLN	DTVPLN -DTVPO134
14	WKBD	DETROIT MI	169.9	CP	BPCDT -20000428ABU
14	WIWB	SURING WI	306.0	LIC	BLCT -19980622KF
15	WDCQ-TV	BAD AXE MI	89.8	LIC	BLEDT -20030922ABG
15	WUCX-DT	BAD AXE MI	148.0	PLN	DTVPLN -DTVPO172
16	WSMH	FLINT MI	70.3	CP	BPCDT -19991028ACK
16	WSMH-DT	FLINT MI	70.3	PLN	DTVPLN -DTVPO225
17	WCMV	CADILLAC MI	132.4	LIC	BLEDT -20050914AAI
17	WCMV-DR	CADILLAC MI	132.4	LIC	BPRM -20020111ABB
17	WXMI	GRAND RAPIDS MI	116.3	LIC	BLCT -20030117AAW
17	WCMW-DT	MANISTEE MI	136.3	PLN	DTVPLN -DTVPO265
18	WHTV	JACKSON MI	130.1	LIC	BLCT -20001023ADV
18	WUCM-DT	UNIVERSITY CENTER MI	63.9	PLN	DTVPLN -DTVPO309
21	WCMW	MANISTEE MI	136.3	LIC	BLET -19841002KG
22	WNEM-DT	BAY CITY MI	76.0	PLN	DTVPLN -DTVPO486
28	WFUM	FLINT MI	130.3	LIC	BLET -20030718AFB
29	WGTU	TRAVERSE CITY MI	132.4	LIC	BLCT -20041012AIJ
14	WKBD-DT	DETROIT MI	169.9	APP	USERRECORD-01

Total scenarios = 1

Result key: 1
Scenario 1 Affected station 3
Before Analysis

Table 1 WKBD-DT OET Bulletin 69 Interference Study (Pre-Transition)
(worst-case scenarios shown page 5 of 19)

Results for: 14N MI MOUNT PLEASANT BMLET 19940726KE LIC
 POPULATION AREA (sq km)
 within Noise Limited Contour 264813 8637.0
 not affected by terrain losses 264781 8629.1
 lost to NTSC IX 210 20.0
 lost to additional IX by ATV 3642 239.7
 lost to all IX 3852 259.7

Potential Interfering Stations Included in above Scenario 1

14N WI SURING BLCT 19980622KF LIC
 29N MI TRAVERSE CITY BLCT 20041012AIJ LIC
 14A MI CHEBOYGAN DTVPLN DTVP0133 PLN
 14A MI DETROIT DTVPLN DTVP0134 PLN

After Analysis

Results for: 14N MI MOUNT PLEASANT BMLET 19940726KE LIC
 POPULATION AREA (sq km)
 within Noise Limited Contour 264813 8637.0
 not affected by terrain losses 264781 8629.1
 lost to NTSC IX 210 20.0
 lost to additional IX by ATV 3642 239.7
 lost to all IX 3852 259.7

Potential Interfering Stations Included in above Scenario 1

14N WI SURING BLCT 19980622KF LIC
 29N MI TRAVERSE CITY BLCT 20041012AIJ LIC
 14A MI CHEBOYGAN DTVPLN DTVP0133 PLN
 14A MI DETROIT 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 4

DTV Baseline Analysis

Channel Call City/State Application Ref. No.
 14 WUTV-DT BUFFALO NY DTVPLN -DTV0143

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
14	WKBD-DT	DETROIT MI	362.8	PLN	DTVPLN -DTV0134
14	NEW	BATH NY	160.6	PLN	DTVPLN -NPLN0897
15	WPSX-DT	CLEARFIELD PA	215.1	PLN	DTVPLN -DTV0188

Results for: 14A NY BUFFALO DTVPLN DTVP0143 PLN

HAAT 280.0 m, ATV ERP 50.0 kW
 POPULATION AREA (sq km)
 within Noise Limited Contour 1324335 15864.7
 not affected by terrain losses 1323537 15804.3
 lost to NTSC IX 979 80.6
 lost to additional IX by ATV 0 0.0
 lost to ATV IX only 0 0.0

Table 1 WKBD-DT OET Bulletin 69 Interference Study (Pre-Transition)
(worst-case scenarios shown page 6 of 19)

lost to all IX 979 80.6

NTSC Baseline Analysis

Channel Call City/State Application Ref. No.
 29 WUTV BUFFALO NY DTVPLN -NPLN1364

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
21	WXXITV	ROCHESTER NY	109.8	PLN	DTVPLN -NPLN1121
26	WNYB	JAMESTOWN NY	74.3	PLN	DTVPLN -NPLN1286
27	WNYB-DT	JAMESTOWN NY	74.3	PLN	DTVPLN -DTV0680
28	WUHF-DT	ROCHESTER NY	109.8	PLN	DTVPLN -DTV0720
29	WKTV-DT	UTICA NY	323.9	PLN	DTVPLN -DTV0756
29	WGTE-DT	TOLEDO OH	399.9	PLN	DTVPLN -DTV0757
29	WWCP-DT	JOHNSTOWN PA	316.5	PLN	DTVPLN -DTV0761
29	WILF-DT	WILLIAMSPORT PA	251.4	PLN	DTVPLN -DTV0762
31	WUHF	ROCHESTER NY	109.8	PLN	DTVPLN -NPLN1413
32	WNEQ-DT	BUFFALO NY	0.9	PLN	DTVPLN -DTV0874
33	WGRZ-DT	BUFFALO NY	45.1	PLN	DTVPLN -DTV0910
36	WENYTV	ELMIRA NY	196.9	PLN	DTVPLN -NPLN1524
43	WNED-DT	BUFFALO NY	0.9	PLN	DTVPLN -DTV01236

Results for: 29N NY BUFFALO DTVPLN NPLN1364 PLN

POPULATION AREA (sq km)
 within Noise Limited Contour 1324335 15864.7
 not affected by terrain losses 1312026 15590.6
 lost to NTSC IX 1260 52.4
 lost to additional IX by ATV 8425 334.6
 lost to all IX 9685 387.0

Analysis of current record

Channel Call City/State Application Ref. No.
 14 WUTV-DT BUFFALO NY DTVPLN -DTV0143

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
14	WKBD-DT	DETROIT MI	362.8	PLN	DTVPLN -DTV0134
14	WFBT	BATH NY	160.6	CP	BPCT -19870331LW
14	WSPX	SYRACUSE NY	235.4	APP	BPRM -20021108ADJ
15	WPSX-DT	CLEARFIELD PA	215.1	PLN	DTVPLN -DTV0188
15	WPSU-TV	CLEARFIELD PA	215.2	CP MOD	BMPEDT -20030527ADP
14	WKBD-DT	DETROIT MI	362.8	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel Call City/State Application Ref. No.
 14 WUTV BUFFALO NY BLCDT -20060829BGK

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
14	WKBD-DT	DETROIT MI	362.8	PLN	DTVPLN -DTV0134
14	WFBT	BATH NY	160.7	CP	BPCT -19870331LW
14	WSPX	SYRACUSE NY	235.4	APP	BPRM -20021108ADJ

Table 1 WKBD-DT OET Bulletin 69 Interference Study (Pre-Transition)

(worst-case scenarios shown page 7 of 19)

15	WPSX-DT	CLEARFIELD PA	215.3	PLN	DTVPLN	-DTVP0188
15	WPSU-TV	CLEARFIELD PA	215.3	CP MOD	BMPEET	-20030527ADP
14	WKBD-DT	DETROIT MI	362.8	APP	USERRECORD-01	
Proposal causes no interference						

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Analysis of Interference to Affected Station 6

DTV Baseline Analysis

Channel	Call	City/State	Application Ref. No.
14	WCMH-DT	COLUMBUS OH	DTVPLN -DTVP0145

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
14	WTIU-DT	BLOOMINGTON IN	311.1	PLN	DTVPLN -DTVP0128
14	WKSO-DT	SOMERSET KY	348.6	PLN	DTVPLN -DTVP0130
14	WKBD-DT	DETROIT MI	280.3	PLN	DTVPLN -DTVP0134
14	WCMUTV	MOUNT PLEASANT MI	425.7	PLN	DTVPLN -NPLN0890
14	WPTO	OXFORD OH	154.8	PLN	DTVPLN -NPLN0898
14	WLFB-DT	BLUEFIELD WV	342.2	PLN	DTVPLN -DTVP0156
15	WANETV	FORT WAYNE IN	220.6	PLN	DTVPLN -NPLN0921
15	WKMR-DT	MOREHEAD KY	202.0	PLN	DTVPLN -DTVP0169
15	WEWS-DT	CLEVELAND OH	191.1	PLN	DTVPLN -DTVP0184
15	WTAP-TV	PARKERSBURG WV	142.9	PLN	DTVPLN -NPLN0943

Results for: 14A OH COLUMBUS DTVPLN DTVP0145 PLN

HAAT 274.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2595838	32413.2
not affected by terrain losses	2492815	31383.7
lost to NTSC IX	155288	1509.8
lost to additional IX by ATV	11326	44.4
lost to ATV IX only	25567	218.0
lost to all IX	166614	1554.2

NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
04	WCMHTV	COLUMBUS OH	DTVPLN -NPLN0311

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
03	WKYCTV	CLEVELAND OH	193.5	PLN	DTVPLN -NPLN0250
03	WSAZTV	HUNTINGTON WV	176.7	PLN	DTVPLN -NPLN0269
04	WTTV	BLOOMINGTON IN	274.1	PLN	DTVPLN -NPLN0289
04	WANE-DT	FORT WAYNE IN	220.6	PLN	DTVPLN -DTVP0013
04	WDKY-DT	DANVILLE KY	281.6	PLN	DTVPLN -DTVP0014
04	WDIV	DETROIT MI	279.6	PLN	DTVPLN -NPLN0294
04	WTAETV	PITTSBURGH PA	276.2	PLN	DTVPLN -NPLN0314
04	WOAYTV	OAK HILL WV	276.3	PLN	DTVPLN -NPLN0333

Results for: 4N OH COLUMBUS DTVPLN NPLN0311 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	2595838	32413.2
not affected by terrain losses	2387386	29974.8
lost to NTSC IX	515536	9151.9
lost to additional IX by ATV	12035	28.3
lost to all IX	527571	9180.2

Table 1 WKBD-DT OET Bulletin 69 Interference Study (Pre-Transition)

(worst-case scenarios shown page 8 of 19)

Analysis of current record

Channel	Call	City/State	Application Ref. No.
14	WCMH-DT	COLUMBUS OH	DTVPLN -DTVP0145

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
14	WTIU	BLOOMINGTON IN	311.1	LIC	BL EDT -20030925AVS
14	WTIU-DT	BLOOMINGTON IN	311.1	PLN	DTVPLN -DTVP0128
14	WKSO-DT	SOMERSET KY	348.6	PLN	DTVPLN -DTVP0130
14	WKBD-DT	DETROIT MI	280.3	PLN	DTVPLN -DTVP0134
14	WCMU-TV	MOUNT PLEASANT MI	426.0	LIC	BMLET -19940726KE
14	WPTO	OXFORD OH	154.8	LIC	BMLET -19860925KF
14	WLFB-DT	BLUEFIELD WV	342.2	PLN	DTVPLN -DTVP0156
15	WANE-TV	FORT WAYNE IN	220.6	LIC	BLCT -20020326AAR
15	WKMR-DT	MOREHEAD KY	202.0	PLN	DTVPLN -DTVP0169
15	WEWS-DT	CLEVELAND OH	191.1	PLN	DTVPLN -DTVP0184
15	WTAP-TV	PARKERSBURG WV	142.9	LIC	BLCT -20040416ACM
15	WTAP-TV	PARKERSBURG WV	142.9	APP	BSTA -20071231ABX
14	WKBD-DT	DETROIT MI	280.3	APP	USERRECORD-01

Total scenarios = 2

Result key: 2

Scenario 1 Affected station 6

Before Analysis

Results for: 14A OH COLUMBUS DTVPLN DTVP0145 PLN

HAAT 274.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2595838	32413.2
not affected by terrain losses	2492815	31383.7
lost to NTSC IX	155288	1509.8
lost to additional IX by ATV	11326	44.4
lost to ATV IX only	30747	278.6
lost to all IX	166614	1554.2

Potential Interfering Stations Included in above Scenario 1

14N OH OXFORD	BMLET	19860925KF	LIC
14A IN BLOOMINGTON	BL EDT	20030925AVS	LIC
14A KY SOMERSET	DTVPLN	DTVP0130	PLN
14A WV BLUEFIELD	DTVPLN	DTVP0156	PLN
14A MI DETROIT	DTVPLN	DTVP0134	PLN

After Analysis

Results for: 14A OH COLUMBUS DTVPLN DTVP0145 PLN

HAAT 274.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2595838	32413.2
not affected by terrain losses	2492815	31383.7
lost to NTSC IX	155288	1509.8
lost to additional IX by ATV	23158	149.4
lost to ATV IX only	43501	407.7
lost to all IX	178446	1659.2

Potential Interfering Stations Included in above Scenario 1

14N OH OXFORD	BMLET	19860925KF	LIC
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Table 1 WKBD-DT OET Bulletin 69 Interference Study (Pre-Transition)
(worst-case scenarios shown page 9 of 19)

14A IN BLOOMINGTON	BLEDT	20030925AVS	LIC
14A KY SOMERSET	DTVPLN	DTVP0130	PLN
14A WV BLUEFIELD	DTVPLN	DTVP0156	PLN
14A MI DETROIT	USERRECORD01		APP

Percent new IX = 0.5086%

Result key: 3
Scenario 2 Affected station 6
Before Analysis

Results for: 14A OH COLUMBUS	DTVPLN	DTVP0145	PLN
HAAT 274.0 m, ATV ERP 1000.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2595838	32413.2	
not affected by terrain losses	2492815	31383.7	
lost to NTSC IX	155288	1509.8	
lost to additional IX by ATV	11326	44.4	
lost to ATV IX only	25567	218.0	
lost to all IX	166614	1554.2	

Potential Interfering Stations Included in above Scenario 2

14N OH OXFORD	BLET	19860925KF	LIC
14A IN BLOOMINGTON	DTVPLN	DTVP0128	PLN
14A KY SOMERSET	DTVPLN	DTVP0130	PLN
14A WV BLUEFIELD	DTVPLN	DTVP0156	PLN
14A MI DETROIT	DTVPLN	DTVP0134	PLN

After Analysis

Results for: 14A OH COLUMBUS	DTVPLN	DTVP0145	PLN
HAAT 274.0 m, ATV ERP 1000.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2595838	32413.2	
not affected by terrain losses	2492815	31383.7	
lost to NTSC IX	155288	1509.8	
lost to additional IX by ATV	23158	149.4	
lost to ATV IX only	38321	347.2	
lost to all IX	178446	1659.2	

Potential Interfering Stations Included in above Scenario 2

14N OH OXFORD	BLET	19860925KF	LIC
14A IN BLOOMINGTON	DTVPLN	DTVP0128	PLN
14A KY SOMERSET	DTVPLN	DTVP0130	PLN
14A WV BLUEFIELD	DTVPLN	DTVP0156	PLN
14A MI DETROIT	USERRECORD01		APP

Percent new IX = 0.5086%

Worst case new IX 0.5086% Scenario 1

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Analysis of Interference to Affected Station 7

NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
14	WPTO	OXFORD OH	DTVPLN -NPLN0898

Table 1 WKBD-DT OET Bulletin 69 Interference Study (Pre-Transition)
(worst-case scenarios shown page 10 of 19)

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WTIU-DT	BLOOMINGTON IN	156.6	PLN	DTVPLN	-DTVP0128
14	WFIE-TV	EVANSVILLE IN	301.1	PLN	DTVPLN	-NPLN0887
14	WKSO-DT	SOMERSET KY	260.3	PLN	DTVPLN	-DTVP0130
14	WKBD-DT	DETROIT MI	351.7	PLN	DTVPLN	-DTVP0134
14	WCMH-DT	COLUMBUS OH	154.8	PLN	DTVPLN	-DTVP0145
14	WLFB-DT	BLUEFIELD WV	395.4	PLN	DTVPLN	-DTVP0156
15	WANETV	FORT WAYNE IN	180.3	PLN	DTVPLN	-NPLN0921
15	WKPC-TV	LOUISVILLE KY	158.2	PLN	DTVPLN	-NPLN0923
15	WKMR-DT	MOREHEAD KY	187.4	PLN	DTVPLN	-DTVP0169
16	WHMB-DT	INDIANAPOLIS IN	132.8	PLN	DTVPLN	-DTVP0217
16	WPTD	DAYTON OH	47.9	PLN	DTVPLN	-NPLN0960
18	WTJC-DT	SPRINGFIELD OH	87.2	PLN	DTVPLN	-DTVP0318
21	WPTA	FORT WAYNE IN	181.3	PLN	DTVPLN	-NPLN1106
21	WFYI-DT	INDIANAPOLIS IN	132.6	PLN	DTVPLN	-DTVP0438
21	WBNA	LOUISVILLE KY	186.1	PLN	DTVPLN	-NPLN1108
22	WKCF	DAYTON OH	47.1	PLN	DTVPLN	-NPLN1150
28	WTTE	COLUMBUS OH	170.9	PLN	DTVPLN	-NPLN1336
28	WPTO-DT	OXFORD OH	0.0	PLN	DTVPLN	-DTVP0722
29	WTTK	KOKOMO IN	139.0	PLN	DTVPLN	-NPLN1355
29	WXIX-DT	NEWPORT KY	45.8	PLN	DTVPLN	-DTVP0744

Results for: 14N OH OXFORD	DTVPLN	NPLN0898	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1358385	6323.4	
not affected by terrain losses	1260445	6210.9	
lost to NTSC IX	58270	313.4	
lost to additional IX by ATV	427276	1446.3	
lost to all IX	485546	1759.6	

Analysis of current record

Channel	Call	City/State	Application Ref. No.
14	WPTO	OXFORD OH	BLET -19860925KF

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WTIU	BLOOMINGTON IN	156.6	LIC	BLEDT	-20030925AVS
14	WTIU-DT	BLOOMINGTON IN	156.6	PLN	DTVPLN	-DTVP0128
14	WFIE	EVANSVILLE IN	301.1	LIC	BLCT	-20031223ABA
14	WKSO-DT	SOMERSET KY	260.3	PLN	DTVPLN	-DTVP0130
14	WKBD-DT	DETROIT MI	351.7	PLN	DTVPLN	-DTVP0134
14	WKBD	DETROIT MI	351.7	CP	BPCDT	-20000428ABU
14	WCMH-DT	COLUMBUS OH	154.8	PLN	DTVPLN	-DTVP0145
14	WLFB-DT	BLUEFIELD WV	395.4	PLN	DTVPLN	-DTVP0156
15	WANE-TV	FORT WAYNE IN	180.3	LIC	BLCT	-20020326AAR
15	WKPC-TV	LOUISVILLE KY	158.2	LIC	BLET	-19981105KE
15	WKMR-DT	MOREHEAD KY	187.4	PLN	DTVPLN	-DTVP0169
16	WHMB-TV	INDIANAPOLIS IN	132.9	LIC	BLCDT	-20060619AAG
16	WHMB-DT	INDIANAPOLIS IN	132.8	PLN	DTVPLN	-DTVP0217
16	WPTD	DAYTON OH	47.9	LIC	BLET	-19920807KG
18	WBDT	SPRINGFIELD OH	47.7	LIC	BLCDT	-20030224ABC
18	WTJC-DT	SPRINGFIELD OH	87.2	PLN	DTVPLN	-DTVP0318
21	WPTA	FORT WAYNE IN	181.3	LIC	BLCT	-20061106ABS
21	WFYI	INDIANAPOLIS IN	132.6	LIC	BLEDT	-20030310BAD
21	WFYI-DT	INDIANAPOLIS IN	132.6	PLN	DTVPLN	-DTVP0438
21	WBNA	LOUISVILLE KY	186.1	LIC	BLCT	-19890201KS
22	WKCF	DAYTON OH	47.1	LIC	BLCT	-2584
28	WTTE	COLUMBUS OH	154.2	LIC	BLCT	-20030825ALW

Table 1 WKBD-DT OET Bulletin 69 Interference Study (Pre-Transition)

(worst-case scenarios shown page 11 of 19)

28	WPTO	OXFORD OH	45.8	LIC	BLEDT	-20040714AAQ
28	WPTO-DT	OXFORD OH	0.0	PLN	DTVPLN	-DTVP0722
29	WTTK	KOKOMO IN	139.0	LIC	BLCT	-19880523KI
29	WXIX-DT	NEWPORT KY	45.8	PLN	DTVPLN	-DTVP0744
14	WKBD-DT	DETROIT MI	351.7	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 8

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
15	WUCX-DT	BAD AXE MI	DTVPLN	-DTVP0172

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WKBD-DT	DETROIT MI	137.5	PLN	DTVPLN	-DTVP0134
14	WCMUTV	MOUNT PLEASANT MI	147.9	PLN	DTVPLN	-NPLN0890
15	WANETV	FORT WAYNE IN	342.1	PLN	DTVPLN	-NPLN0921
15	WEWS-DT	CLEVELAND OH	276.3	PLN	DTVPLN	-DTVP0184
16	WSMH-DT	FLINT MI	103.8	PLN	DTVPLN	-DTVP0225

Results for: 15A MI BAD AXE DTVPLN DTVP0172 PLN

HAAT	155.0 m, ATV ERP	50.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	79725	6141.4		
not affected by terrain losses	79725	6141.4		
lost to NTSC IX	0	0.0		
lost to additional IX by ATV	0	0.0		
lost to ATV IX only	0	0.0		
lost to all IX	0	0.0		

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
35	WUCXTV	BAD AXE MI	DTVPLN	-NPLN1499

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
28	WFUM	FLINT MI	97.5	PLN	DTVPLN	-NPLN1334
34	WHTV-DT	JACKSON MI	200.6	PLN	DTVPLN	-DTVP0940
35	WNIT-DT	SOUTH BEND IN	351.9	PLN	DTVPLN	-DTVP0976
35	WGVUTV	GRAND RAPIDS MI	252.3	PLN	DTVPLN	-NPLN1500
35	WLIO	LIMA OH	341.4	PLN	DTVPLN	-NPLN1502
35	WSEE	ERIE PA	297.8	PLN	DTVPLN	-NPLN1505
35	WMVT-DT	MILWAUKEE WI	406.3	PLN	DTVPLN	-DTVP0999
36	WJRT-DT	FLINT MI	103.7	PLN	DTVPLN	-DTVP1019
38	WADL	MOUNT CLEMENS MI	126.4	PLN	DTVPLN	-NPLN1547
39	WADL-DT	MOUNT CLEMENS MI	126.4	PLN	DTVPLN	-DTVP1093
43	WTVS-DT	DETROIT MI	137.5	PLN	DTVPLN	-DTVP1229
49	WAQP	SAGINAW MI	103.8	PLN	DTVPLN	-NPLN1756
50	WKBD	DETROIT MI	137.5	PLN	DTVPLN	-NPLN1775

Results for: 35N MI BAD AXE DTVPLN NPLN1499 PLN

POPULATION	AREA (sq km)
within Noise Limited Contour	79725 6141.4
not affected by terrain losses	79725 6141.4
lost to NTSC IX	0 0.0

Table 1 WKBD-DT OET Bulletin 69 Interference Study (Pre-Transition)

(worst-case scenarios shown page 12 of 19)

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.
15	WDCQ-TV	BAD AXE MI	BLEDT	-20030922ABG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WKBD-DT	DETROIT MI	121.0	PLN	DTVPLN	-DTVP0134
14	WCMU-TV	MOUNT PLEASANT MI	89.8	LIC	BMLET	-19940726KE
15	WANE-TV	FORT WAYNE IN	299.4	LIC	BLCT	-20020326AAR
15	WEWS-DT	CLEVELAND OH	288.8	PLN	DTVPLN	-DTVP0184
16	WSMH	FLINT MI	47.8	CP	BPCDT	-19991028ACK
16	WSMH-DT	FLINT MI	47.8	PLN	DTVPLN	-DTVP0225
14	WKBD-DT	DETROIT MI	121.0	APP	USERRECORD-01	

Total scenarios = 2

Result key:

Scenario	1	Affected station	8
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Before Analysis

Results for: 15A MI BAD AXE BLEDT 20030922ABG LIC

HAAT	309.0 m, ATV ERP	200.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	1230090	24256.8		
not affected by terrain losses	1230090	24256.8		
lost to NTSC IX	0	0.0		
lost to additional IX by ATV	65926	1111.1		
lost to ATV IX only	65926	1111.1		
lost to all IX	65926	1111.1		

Potential Interfering Stations Included in above Scenario 1

15A OH CLEVELAND	DTVPLN	DTVP0184	PLN
16A MI FLINT	BPCDT	19991028ACK	CP
14A MI DETROIT	DTVPLN	DTVP0134	PLN

After Analysis

Results for: 15A MI BAD AXE BLEDT 20030922ABG LIC

HAAT	309.0 m, ATV ERP	200.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	1230090	24256.8		
not affected by terrain losses	1230090	24256.8		
lost to NTSC IX	0	0.0		
lost to additional IX by ATV	65926	1111.1		
lost to ATV IX only	65926	1111.1		
lost to all IX	65926	1111.1		

Potential Interfering Stations Included in above Scenario 1

15A OH CLEVELAND	DTVPLN	DTVP0184	PLN
16A MI FLINT	BPCDT	19991028ACK	CP
14A MI DETROIT	USERRECORD01		APP

Percent new IX = 0.0000%

Result key: 5

Table 1 WKBD-DT OET Bulletin 69 Interference Study (Pre-Transition)
(worst-case scenarios shown page 13 of 19)

Scenario 2 Affected station 8
Before Analysis

Results for: 15A MI BAD AXE BLEDT 20030922ABG LIC
HAAT 309.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1230090	24256.8
not affected by terrain losses	1230090	24256.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	29090	623.5
lost to ATV IX only	29090	623.5
lost to all IX	29090	623.5

Potential Interfering Stations Included in above Scenario 2

15A OH CLEVELAND	DTVPLN	DTVP0184	PLN
16A MI FLINT	DTVPLN	DTVP0225	PLN
14A MI DETROIT	DTVPLN	DTVP0134	PLN

After Analysis

Results for: 15A MI BAD AXE BLEDT 20030922ABG LIC
HAAT 309.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1230090	24256.8
not affected by terrain losses	1230090	24256.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	29090	623.5
lost to ATV IX only	29090	623.5
lost to all IX	29090	623.5

Potential Interfering Stations Included in above Scenario 2

15A OH CLEVELAND	DTVPLN	DTVP0184	PLN
16A MI FLINT	DTVPLN	DTVP0225	PLN
14A MI DETROIT	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 9

Analysis of current record

Channel	Call	City/State	Application Ref. No.
15	WUCX-DT	BAD AXE MI	DTVPLN -DTVP0172

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
14	WKBD-DT	DETROIT MI	137.5	PLN	DTVPLN -DTVP0134
14	WCMU-TV	MOUNT PLEASANT MI	148.0	LIC	BMLET -19940726KE
15	WANE-TV	FORT WAYNE IN	342.1	LIC	BLCT -20020326AAR
15	WEWS-DT	CLEVELAND OH	276.3	PLN	DTVPLN -DTVP0184
16	WSMH	FLINT MI	103.8	CP	BPCDT -19991028ACK
16	WSMH-DT	FLINT MI	103.8	PLN	DTVPLN -DTVP0225
14	WKBD-DT	DETROIT MI	137.5	APP	USERRECORD-01

Proposal causes no interference

Table 1 WKBD-DT OET Bulletin 69 Interference Study (Pre-Transition)
(worst-case scenarios shown page 14 of 19)

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Analysis of Interference to Affected Station 10

DTV Baseline Analysis

Channel	Call	City/State	Application Ref. No.
15	WEWS-DT	CLEVELAND OH	DTVPLN -DTVP0184

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
14	WKBD-DT	DETROIT MI	180.5	PLN	DTVPLN -DTVP0134
14	WCMH-DT	COLUMBUS OH	191.1	PLN	DTVPLN -DTVP0145
15	WANETV	FORT WAYNE IN	291.0	PLN	DTVPLN -NPLN0921
15	WKMR-DT	MOREHEAD KY	383.4	PLN	DTVPLN -DTVP0169
15	WUCX-DT	BAD AXE MI	276.3	PLN	DTVPLN -DTVP0172
15	WPSX-DT	CLEARFIELD PA	275.3	PLN	DTVPLN -DTVP0188
15	WTAPTV	PARKERSBURG WV	225.4	PLN	DTVPLN -NPLN0943
16	WSEE-DT	ERIE PA	156.0	PLN	DTVPLN -DTVP0238
16	WQEX	PITTSBURGH PA	179.9	PLN	DTVPLN -NPLN0963

Results for: 15A OH CLEVELAND DTVPLN DTVP0184 PLN
HAAT 311.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4281021	34270.1
not affected by terrain losses	4240751	33798.5
lost to NTSC IX	39561	203.8
lost to additional IX by ATV	137213	787.3
lost to ATV IX only	164946	891.2
lost to all IX	176774	991.1

NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
05	WEWSTV	CLEVELAND OH	DTVPLN -NPLN0372

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
05	WNEMTV	BAY CITY MI	291.0	PLN	DTVPLN -NPLN0355
05	WGVK-DT	KALAMAZOO MI	342.2	PLN	DTVPLN -DTVP0021
05	WLWT	CINCINNATI OH	345.1	PLN	DTVPLN -NPLN0371
05	WLMB-DT	TOLEDO OH	195.7	PLN	DTVPLN -DTVP0022
05	WDTV	WESTON WV	278.2	PLN	DTVPLN -NPLN0389
06	WSYX	COLUMBUS OH	193.8	PLN	DTVPLN -NPLN0433

Results for: 5N OH CLEVELAND DTVPLN NPLN0372 PLN
POPULATION AREA (sq km)

within Noise Limited Contour	4281021	34270.1
not affected by terrain losses	4143765	33123.1
lost to NTSC IX	388367	5431.3
lost to additional IX by ATV	19353	659.4
lost to all IX	407720	6090.7

Analysis of current record

Channel	Call	City/State	Application Ref. No.
15	WEWS-DT	CLEVELAND OH	DTVPLN -DTVP0184

Stations Potentially Affecting This Station

Table 1 WKBD-DT OET Bulletin 69 Interference Study (Pre-Transition)

(worst-case scenarios shown page 15 of 19)

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WKBD-DT	DETROIT MI	180.5	PLN	DTVPLN	-DTVP0134
14	WCMH-DT	COLUMBUS OH	191.1	PLN	DTVPLN	-DTVP0145
15	WANE-TV	FORT WAYNE IN	291.0	LIC	BLCT	-20020326AAR
15	WKMR-DT	MOREHEAD KY	383.4	PLN	DTVPLN	-DTVP0169
15	WDCQ-TV	BAD AXE MI	288.8	LIC	BLEDT	-20030922ABG
15	WUCX-DT	BAD AXE MI	276.3	PLN	DTVPLN	-DTVP0172
15	WPSX-DT	CLEARFIELD PA	275.3	PLN	DTVPLN	-DTVP0188
15	WPSU-TV	CLEARFIELD PA	275.2	CP MOD	BMPEDT	-20030527ADP
15	WTAP-TV	PARKERSBURG WV	225.4	LIC	BLCT	-20040416ACM
15	WTAP-TV	PARKERSBURG WV	225.4	APP	BSTA	-20071231ABX
16	WSEE-TV	ERIE PA	161.5	CP MOD	BMPEDT	-20050216ACD
16	WSEE-DT	ERIE PA	156.0	PLN	DTVPLN	-DTVP0238
16	WQEX	PITTSBURGH PA	179.9	LIC	BLCT	-20060817ABY
14	WKBD-DT	DETROIT MI	180.5	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 11

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
18	WDWO-CA	DETROIT MI	BLTTL	-20000310ABE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WKBD-DT	DETROIT MI	13.0	PLN	DTVPLN	-DTVP0134
14	WKBD	DETROIT MI	13.0	CP	BPCDT	-20000428ABU
15	WDCQ-TV	BAD AXE MI	133.8	LIC	BLEDT	-20030922ABG
16	WSMH	FLINT MI	114.7	CP	BPCDT	-19991028ACK
16	WSMH-DT	FLINT MI	114.7	PLN	DTVPLN	-DTVP0225
17	WTOL-DT	TOLEDO OH	79.2	PLN	DTVPLN	-DTVP0276
18	WLFI-TV	LAFAYETTE IN	357.5	LIC	BLCT	-2217
18	WHTV	JACKSON MI	105.2	LIC	BLCT	-20001023ADV
18	WUCM-DT	UNIVERSITY CENTER MI	144.7	PLN	DTVPLN	-DTVP0309
18	WBDT	SPRINGFIELD OH	306.9	LIC	BLCT	-20030224ABC
18	WTJC-DT	SPRINGFIELD OH	279.2	PLN	DTVPLN	-DTVP0318
18	WHIZ-TV	ZANESVILLE OH	291.9	APP	BSTA	-20060616AAU
18	WHIZ-TV	ZANESVILLE OH	291.9	LIC	BMLCT	-20030715ACX
18	WVTV	MILWAUKEE WI	388.8	LIC	BLCT	-19870804KE
19	WTVG-DT	TOLEDO OH	78.5	PLN	DTVPLN	-DTVP0367
21	WMYD	DETROIT MI	9.7	LIC	BLCT	-20040524AOG
21	WXON-DT	DETROIT MI	13.0	PLN	DTVPLN	-DTVP0442
22	WNEM-DT	BAY CITY MI	130.9	PLN	DTVPLN	-DTVP0486
33	WPXD	ANN ARBOR MI	67.8	APP	BPCDT	-19990812KH
33	WBSX-DT	ANN ARBOR MI	67.9	PLN	DTVPLN	-DTVP0903
33	W33BY	DETROIT MI	0.1	LIC	BLTTA	-20020301ABU
14	WKBD-DT	DETROIT MI	13.0	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 12

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
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Table 1 WKBD-DT OET Bulletin 69 Interference Study (Pre-Transition)

(worst-case scenarios shown page 16 of 19)

18	WDWO-CA	DETROIT MI	BPTTA	-20080801BAL
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Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WKBD-DT	DETROIT MI	13.0	PLN	DTVPLN	-DTVP0134
14	WKBD	DETROIT MI	13.0	CP	BPCDT	-20000428ABU
15	WDCQ-TV	BAD AXE MI	133.8	LIC	BLEDT	-20030922ABG
16	WSMH	FLINT MI	114.7	CP	BPCDT	-19991028ACK
16	WSMH-DT	FLINT MI	114.7	PLN	DTVPLN	-DTVP0225
17	WTOL-DT	TOLEDO OH	79.2	PLN	DTVPLN	-DTVP0276
18	WLFI-TV	LAFAYETTE IN	357.5	LIC	BLCT	-2217
18	WHTV	JACKSON MI	105.2	LIC	BLCT	-20001023ADV
18	WUCM-DT	UNIVERSITY CENTER MI	144.7	PLN	DTVPLN	-DTVP0309
18	WBDT	SPRINGFIELD OH	306.9	LIC	BLCT	-20030224ABC
18	WTJC-DT	SPRINGFIELD OH	279.2	PLN	DTVPLN	-DTVP0318
18	WHIZ-TV	ZANESVILLE OH	291.9	APP	BSTA	-20060616AAU
18	WHIZ-TV	ZANESVILLE OH	291.9	LIC	BMLCT	-20030715ACX
18	WVTV	MILWAUKEE WI	388.8	LIC	BLCT	-19870804KE
19	WTVG-DT	TOLEDO OH	78.5	PLN	DTVPLN	-DTVP0367
20	WMYD	DETROIT MI	9.7	LIC	BLCT	-20040810AAC
21	WMYD	DETROIT MI	9.7	LIC	BLCT	-20040524AOG
21	WXON-DT	DETROIT MI	13.0	PLN	DTVPLN	-DTVP0442
22	WNEM-DT	BAY CITY MI	130.9	PLN	DTVPLN	-DTVP0486
33	WPXD	ANN ARBOR MI	67.8	APP	BPCDT	-19990812KH
33	WBSX-DT	ANN ARBOR MI	67.9	PLN	DTVPLN	-DTVP0903
33	W33BY	DETROIT MI	0.1	LIC	BLTTA	-20020301ABU
14	WKBD-DT	DETROIT MI	13.0	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 13

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
18	WHTV	JACKSON MI	DTVPLN	-NPLN1021

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WKBD-DT	DETROIT MI	93.5	PLN	DTVPLN	-DTVP0134
16	WSMH-DT	FLINT MI	113.2	PLN	DTVPLN	-DTVP0225
17	WXMI	GRAND RAPIDS MI	105.6	PLN	DTVPLN	-NPLN0987
17	WTOL-DT	TOLEDO OH	105.0	PLN	DTVPLN	-DTVP0276
18	WLFI-TV	LAFAYETTE IN	276.1	PLN	DTVPLN	-NPLN1017
18	WUCM-DT	UNIVERSITY CENTER MI	151.3	PLN	DTVPLN	-DTVP0309
18	WTJC-DT	SPRINGFIELD OH	262.5	PLN	DTVPLN	-DTVP0318
18	WHIZ-TV	ZANESVILLE OH	326.6	PLN	DTVPLN	-NPLN1028
18	WVTV	MILWAUKEE WI	302.0	PLN	DTVPLN	-NPLN1037
19	WKJG-DT	FORT WAYNE IN	142.3	PLN	DTVPLN	-DTVP0352
19	WXMI-DT	GRAND RAPIDS MI	105.6	PLN	DTVPLN	-DTVP0358
19	WUCMTV	UNIVERSITY CENTER MI	151.3	PLN	DTVPLN	-NPLN1047
19	WTVG-DT	TOLEDO OH	102.0	PLN	DTVPLN	-DTVP0367
20	WOTV-DT	BATTLE CREEK MI	95.4	PLN	DTVPLN	-DTVP0401
20	WXON	DETROIT MI	93.5	PLN	DTVPLN	-NPLN1083
21	WPTA	FORT WAYNE IN	141.8	PLN	DTVPLN	-NPLN1106
21	WXON-DT	DETROIT MI	93.5	PLN	DTVPLN	-DTVP0442
25	WEYITV	SAGINAW MI	122.3	PLN	DTVPLN	-NPLN1249
33	WKJGTV	FORT WAYNE IN	142.3	PLN	DTVPLN	-NPLN1447

Table 1 WKBD-DT OET Bulletin 69 Interference Study (Pre-Transition)

(worst-case scenarios shown page 17 of 19)

33	WBSX-DT	ANN ARBOR MI	31.1	PLN	DTVPLN	-DTVP0903
33	WGKI	CADILLAC MI	226.0	PLN	DTVPLN	-NPLN1451

Results for: 18N MI JACKSON		DTVPLN	NPLN1021	PLN
		POPULATION	AREA (sq km)	
within Noise Limited Contour		151549	1771.8	
not affected by terrain losses		151549	1771.8	
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.
18	WHTV	JACKSON MI	BLCT -20001023ADV

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
14	WKBD-DT	DETROIT MI	99.6	PLN	DTVPLN -DTVP0134
14	WKBD	DETROIT MI	99.6	CP	BPCDT -20000428ABU
16	WSMH	FLINT MI	97.0	CP	BPCDT -19991028ACK
16	WSMH-DT	FLINT MI	97.0	PLN	DTVPLN -DTVP0225
17	WXMI	GRAND RAPIDS MI	87.8	LIC	BLCT -20030117AAW
17	WTOL-DT	TOLEDO OH	125.8	PLN	DTVPLN -DTVP0276
18	WLFI-TV	LAFAYETTE IN	285.1	LIC	BLCT -2217
18	WUCM-DT	UNIVERSITY CENTER MI	134.3	PLN	DTVPLN -DTVP0309
18	WBDB	SPRINGFIELD OH	300.5	LIC	BLCT -20030224ABC
18	WTJC-DT	SPRINGFIELD OH	284.6	PLN	DTVPLN -DTVP0318
18	WHIZ-TV	ZANESVILLE OH	349.0	APP	BSTA -20060616AAU
18	WHIZ-TV	ZANESVILLE OH	349.0	LIC	BMLCT -20030715ACX
18	WVTV	MILWAUKEE WI	286.0	LIC	BLCT -19870804KE
19	WISE-TV	FORT WAYNE IN	157.0	LIC	BLCDT -20070509AEQ
19	WKJG-DT	FORT WAYNE IN	157.0	PLN	DTVPLN -DTVP0352
19	WXMI-DT	GRAND RAPIDS MI	87.8	PLN	DTVPLN -DTVP0358
19	WXMI	GRAND RAPIDS MI	87.8	LIC	BLCT -20030117ABD
19	WDCP-TV	UNIVERSITY CENTER MI	134.3	LIC	BMLCT -20070522ACN
19	WDCP-TV	UNIVERSITY CENTER MI	134.3	APP	BSTA -20070522ACO
19	WTVG-DT	TOLEDO OH	122.9	PLN	DTVPLN -DTVP0367
20	WOTV	BATTLE CREEK MI	79.2	LIC	BLCDT -20030721AHS
20	WOTV-DT	BATTLE CREEK MI	79.3	PLN	DTVPLN -DTVP0401
20	WMYD	DETROIT MI	110.8	LIC	BLCT -20040810AAC
21	WMYD	DETROIT MI	110.8	LIC	BLCDT -20040524AOG
21	WXON-DT	DETROIT MI	99.6	PLN	DTVPLN -DTVP0442
22	WNEM-DT	BAY CITY MI	129.2	PLN	DTVPLN -DTVP0486
25	WEYI-TV	SAGINAW MI	110.1	LIC	BLCT -20040123APE
33	WISE-TV	FORT WAYNE IN	157.0	APP	BPCDT -20070123AAW
33	WISE-TV	FORT WAYNE IN	157.0	LIC	BLCT -19800410KH
33	WISE-TV	FORT WAYNE IN	157.0	APP	BSTA -20070123AAQ
33	WPXD	ANN ARBOR MI	37.6	APP	BPCDT -19990812KH
33	WBSX-DT	ANN ARBOR MI	37.5	PLN	DTVPLN -DTVP0903
33	WFQX-TV	CADILLAC MI	203.2	LIC	BLCT -19980803IX
14	WKBD-DT	DETROIT MI	99.6	APP	USERRECORD-01

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 14

Table 1 WKBD-DT OET Bulletin 69 Interference Study (Pre-Transition)

(worst-case scenarios shown page 18 of 19)

DTV Baseline Analysis

Channel	Call	City/State	Application Ref. No.
14	WKBD-DT	DETROIT MI	DTVPLN -DTVP0134

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
14	WTOM-DT	CHEBOYGAN MI	361.5	PLN	DTVPLN -DTVP0133
14	WCMUTV	MOUNT PLEASANT MI	169.5	PLN	DTVPLN -NPLN0890
14	WUTV-DT	BUFFALO NY	362.8	PLN	DTVPLN -DTVP0143
14	WCMH-DT	COLUMBUS OH	280.3	PLN	DTVPLN -DTVP0145
14	WPOT	OXFORD OH	351.7	PLN	DTVPLN -NPLN0898
15	WANETV	FORT WAYNE IN	218.7	PLN	DTVPLN -NPLN0921
15	WUCX-DT	BAD AXE MI	137.5	PLN	DTVPLN -DTVP0172
15	WEWS-DT	CLEVELAND OH	180.5	PLN	DTVPLN -DTVP0184

Results for: 14A MI DETROIT		DTVPLN	DTVP0134	PLN
HAAT 293.0 m, ATV ERP 50.0 kW				

		POPULATION	AREA (sq km)
within Noise Limited Contour		4794468	17139.5
not affected by terrain losses		4794468	17139.5
lost to NTSC IX		24200	76.4
lost to additional IX by ATV		0	0.0
lost to ATV IX only		0	0.0
lost to all IX		24200	76.4

NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
50	WKBD	DETROIT MI	DTVPLN -NPLN1775

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
42	WGGN-DT	SANDUSKY OH	128.2	PLN	DTVPLN -DTVP1203
43	WJUE	BATTLE CREEK MI	145.2	PLN	DTVPLN -NPLN1641
43	WTVS-DT	DETROIT MI	0.0	PLN	DTVPLN -DTVP1229
43	WUAB	LORAIN OH	180.0	PLN	DTVPLN -NPLN1645
46	WUFW-DT	TOLEDO OH	92.7	PLN	DTVPLN -DTVP1337
47	WSMYTV	LANSING MI	109.8	PLN	DTVPLN -NPLN1718
48	WAQP-DT	SAGINAW MI	101.9	PLN	DTVPLN -DTVP1394
49	WAQP	SAGINAW MI	101.9	PLN	DTVPLN -NPLN1756
49	WNWO-DT	TOLEDO OH	90.8	PLN	DTVPLN -DTVP1427
50	WPWRTV	GARY IN	362.4	PLN	DTVPLN -NPLN1774
50	WPBN-DT	TRAVERSE CITY MI	278.0	PLN	DTVPLN -DTVP1449
50	WEAO-DT	AKRON OH	208.8	PLN	DTVPLN -DTVP1455
50	WDTN-DT	DAYTON OH	317.3	PLN	DTVPLN -DTVP1456
50	WQLN-DT	ERIE PA	271.5	PLN	DTVPLN -DTVP1458
50	WPCB-DT	GREENSBURG PA	375.0	PLN	DTVPLN -DTVP1459
51	WLAJ-DT	LANSING MI	99.6	PLN	DTVPLN -DTVP1481
52	WFUM-DT	FLINT MI	47.8	PLN	DTVPLN -DTVP1512
52	WGGNTV	SANDUSKY OH	128.2	PLN	DTVPLN -NPLN1812
53	WLAJ	LANSING MI	99.6	PLN	DTVPLN -NPLN1825
57	WILX-DT	ONONDAGA MI	103.4	PLN	DTVPLN -DTVP1606
58	WJBK-DT	DETROIT MI	8.5	PLN	DTVPLN -DTVP1627
64	WLLA	KALAMAZOO MI	176.0	PLN	DTVPLN -NPLN1962

Results for: 50N MI DETROIT		DTVPLN	NPLN1775	PLN
		POPULATION	AREA (sq km)	
within Noise Limited Contour		4794468	17139.5	
not affected by terrain losses		4794315	17127.4	
lost to NTSC IX		287737	1766.3	
lost to additional IX by ATV		14796	156.9	

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

lost to all IX

302533

1923.2

Analysis of current record

Channel	Call	City/State	Application Ref. No.
14	WKBD-DT	DETROIT MI	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist (km)	Status	Application Ref. No.
14	WTOM-DT	CHEBOYGAN MI	361.5	PLN	DTVPLN -DTVP0133
14	WCMU-TV	MOUNT PLEASANT MI	169.9	LIC	BMLET -19940726KE
14	WUTV-DT	BUFFALO NY	362.8	PLN	DTVPLN -DTVP0143
14	WUTV	BUFFALO NY	362.8	LIC	BLCDT -20060829BGK
14	WCMH-DT	COLUMBUS OH	280.3	PLN	DTVPLN -DTVP0145
14	WPTO	OXFORD OH	351.7	LIC	BMLET -19860925KF
15	WANE-TV	FORT WAYNE IN	218.7	LIC	BLCT -20020326AAR
15	WDCQ-TV	BAD AXE MI	121.0	LIC	BLEDT -20030922ABG
15	WUCX-DT	BAD AXE MI	137.5	PLN	DTVPLN -DTVP0172
15	WEWS-DT	CLEVELAND OH	180.5	PLN	DTVPLN -DTVP0184

Total scenarios = 1

Result key: 6

Scenario	1	Affected station	14
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Before Analysis

Results for: 14A MI DETROIT	USERRECORD01	APP
HAAT 269.0 m, ATV ERP 180.0 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	4859717	19645.9
not affected by terrain losses	4859717	19645.9
lost to NTSC IX	34909	108.7
lost to additional IX by ATV	55	4.0
lost to ATV IX only	55	4.0
lost to all IX	34964	112.7

Potential Interfering Stations Included in above Scenario 1

14N MI MOUNT PLEASANT	BMLET	19940726KE	LIC
15A MI BAD AXE	BLEDT	20030922ABG	LIC

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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED

Table 2 WKBD-DT OET Bulletin 69 Interference Study (Post-Transition)
(worst-case scenarios shown page 1 of 13)

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

Date: 11-04-2008 Time: 12:07:37

Record Selected for Analysis

WKBD-DT USERRECORD-01 DETROIT MI US
Channel 14 ERP 180. kW HAAT 269. m RCAMSL 00500 m
Latitude 042-29-01 Longitude 0083-18-44
Status APP Zone 1 Border
Dir Antenna Make usr Model WKBD-DT Beam tilt N Ref Azimuth 0.
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	46.269	225.1	68.5
45.0	148.894	274.1	78.3
90.0	112.623	295.3	78.7
135.0	180.000	303.3	82.5
180.0	106.168	309.4	79.7
225.0	147.099	288.2	79.6
270.0	46.818	236.9	69.4
315.0	47.926	219.9	68.4

Evaluation toward Class A Stations

Station inside contour of Class A station
WDWO-CA 18 DETROIT MI BLTTL 20000310ABE

Station inside contour of Class A station
WDWO-CA 18 DETROIT MI BPTTA 20080801BAL

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 = 27.3km

Table 2 WKBD-DT OET Bulletin 69 Interference Study (Post-Transition)
(worst-case scenarios shown page 2 of 13)

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Channel	Proposed Station Call City/State	ARN
14	WKBD-DT DETROIT MI	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WOBC-CA	BATTLE CREEK MI	153.7	APP	BMPDTA	-20080804ADR
14	WOBC-CA	BATTLE CREEK MI	153.7	LIC	BLTTA	-20021206AAN
14	WOBC-CA	BATTLE CREEK MI	153.7	CP	BDFCDTA	-20060331AWA
14	WUTV	BUFFALO NY	362.8	LIC	BLCDT	-20060829BGK
14	WUTV	BUFFALO NY	362.8	PLN	DTVPLN	-DTVP0506
14	WCMH-TV	COLUMBUS OH	280.3	LIC	BLCDT	-20050823AAD
14	WCMH-TV	COLUMBUS OH	280.3	PLN	DTVPLN	-DTVP0508
15	WDCQ-TV	BAD AXE MI	121.0	LIC	BLEDT	-20030922ABG
15	WDCQ-TV	BAD AXE MI	121.0	PLN	DTVPLN	-DTVP0532
15	WXSP-CA	GRAND RAPIDS MI	206.8	CP	BDFCDTA	-20060330AGO
15	WXSP-CA	GRAND RAPIDS MI	206.8	APP	BMPDTA	-20080804ADS
15	WEWS-TV	CLEVELAND OH	180.5	LIC	BLCDT	-20020304ACC
15	WEWS-TV	CLEVELAND OH	180.5	PLN	DTVPLN	-DTVP0542
15	WEWS-TV	CLEVELAND OH	180.5	APP	BMPCDT	-20080620AGC
15	WEWS-TV	CLEVELAND OH	180.5	CP	BPCDT	-20080226ACA
18	WDWO-CA	DETROIT MI	13.0	LIC	BLTTL	-20000310ABE
18	WDWO-CA	DETROIT MI	13.0	APP	BPTTA	-20080801BAL

Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
14	WOBC-CA	BATTLE CREEK MI	BMPDTA	-20080804ADR

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WTIU	BLOOMINGTON IN	367.2	LIC	BLEDT	-20030925AVS
14	WTIU	BLOOMINGTON IN	367.2	PLN	DTVPLN	-DTVP0496
14	WTIU	BLOOMINGTON IN	367.2	CP	BPEDT	-20080620ACT
14	WKBD	DETROIT MI	153.7	PLN	DTVPLN	-DTVP0499
14	WCMH-TV	COLUMBUS OH	313.6	LIC	BLCDT	-20050823AAD
14	WCMH-TV	COLUMBUS OH	313.6	PLN	DTVPLN	-DTVP0508
15	WDCQ-TV	BAD AXE MI	185.6	LIC	BLEDT	-20030922ABG
15	WDCQ-TV	BAD AXE MI	185.6	PLN	DTVPLN	-DTVP0532
14	WKBD-DT	DETROIT MI	153.7	APP	USERRECORD-01	

Proposal causes no interference

Analysis of Interference to Affected Station 2

Table 2 WKBD-DT OET Bulletin 69 Interference Study (Post-Transition)
(worst-case scenarios shown page 3 of 13)

Analysis of current record						
Channel	Call	City/State	Application Ref. No.			
14	WOBC-CA	BATTLE CREEK MI	BLTTA -20021206AAN			
Stations Potentially Affecting This Station						
Chan	Call	City/State	Dist(km)	Status	Application Ref. No.	
14	WTIU	BLOOMINGTON IN	367.2	LIC	BLEDT -20030925AVS	
14	WTIU	BLOOMINGTON IN	367.2	PLN	DTVPLN -DTVP0496	
14	WTIU	BLOOMINGTON IN	367.2	CP	BPEDT -20080620ACT	
14	WKBD	DETROIT MI	153.7	PLN	DTVPLN -DTVP0499	
14	WCMU-TV	MOUNT PLEASANT MI	146.6	LIC	BMLET -19940726KE	
14	WCMH-TV	COLUMBUS OH	313.6	LIC	BLCDDT -20050823AAD	
14	WCMH-TV	COLUMBUS OH	313.6	PLN	DTVPLN -DTVP0508	
14	WPTO	OXFORD OH	311.2	LIC	BMLET -19860925KF	
14	WIWB	SURING WI	368.7	LIC	BLCT -19980622KF	
15	WANE-TV	FORT WAYNE IN	132.7	LIC	BLCT -20020326AAR	
16	WSMH	FLINT MI	137.8	APP	BMPCDDT -20080620AKL	
16	WSMH	FLINT MI	137.8	PLN	DTVPLN -DTVP0571	
16	WSMH	FLINT MI	137.8	CP	BPCTD -19991028ACK	
18	WISE-DR	FORT WAYNE IN	131.8	APP	BPRM -20080820AHU	
22	WSBT-TV	SOUTH BEND IN	114.6	PLN	DTVPLN -DTVP0803	
22	WSBT-TV	SOUTH BEND IN	114.6	CP MOD	BMPCDDT -20080620ABV	
28	WSJV	ELKHART IN	113.2	LIC	BLCT -19991223ACN	
28	WSJV	ELKHART IN	113.2	PLN	DTVPLN -DTVP1037	
28	WSJV	ELKHART IN	113.2	CP MOD	BMPCDDT -20080619ADY	
14	WKBD-DT	DETROIT MI	153.7	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.		
14	WOBC-CA	BATTLE CREEK MI	BDFCDTA -20060331AWA		

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.	
14	WTIU	BLOOMINGTON IN	367.2	LIC	BLEDT -20030925AVS	
14	WTIU	BLOOMINGTON IN	367.2	PLN	DTVPLN -DTVP0496	
14	WTIU	BLOOMINGTON IN	367.2	CP	BPEDT -20080620ACT	
14	WKBD	DETROIT MI	153.7	PLN	DTVPLN -DTVP0499	
14	WCMH-TV	COLUMBUS OH	313.6	LIC	BLCDDT -20050823AAD	
14	WCMH-TV	COLUMBUS OH	313.6	PLN	DTVPLN -DTVP0508	
15	WDCQ-TV	BAD AXE MI	185.6	LIC	BLEDT -20030922ABG	
15	WDCQ-TV	BAD AXE MI	185.6	PLN	DTVPLN -DTVP0532	
14	WKBD-DT	DETROIT MI	153.7	APP	USERRECORD-01	
Proposal causes no interference						

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Analysis of Interference to Affected Station 4

Analysis of current record					
Channel	Call	City/State	Application Ref. No.		

Table 2 WKBD-DT OET Bulletin 69 Interference Study (Post-Transition)
(worst-case scenarios shown page 4 of 13)

14	WUTV	BUFFALO NY	BLCDDT	-20060829BGK
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Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.	
14	WKBD	DETROIT MI	362.8	PLN	DTVPLN -DTVP0499	
14	WFBT	BATH NY	160.7	PLN	DTVPLN -DTVP0505	
14	WFBT	BATH NY	160.7	CP	BPCDDT -20080319ADH	
15	WPSU-TV	CLEARFIELD PA	215.3	CP MOD	BMPCDDT -20030527ADP	
15	WPSU-TV	CLEARFIELD PA	215.3	PLN	DTVPLN -DTVP0544	
14	WKBD-DT	DETROIT MI	362.8	APP	USERRECORD-01	
Proposal causes no interference						

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Analysis of Interference to Affected Station 5

Analysis of current record					
Channel	Call	City/State	Application Ref. No.		
14	WUTV	BUFFALO NY	DTVPLN -DTVP0506		

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.	
14	WKBD	DETROIT MI	362.8	PLN	DTVPLN -DTVP0499	
14	WFBT	BATH NY	160.7	PLN	DTVPLN -DTVP0505	
14	WFBT	BATH NY	160.7	CP	BPCDDT -20080319ADH	
15	WPSU-TV	CLEARFIELD PA	215.3	CP MOD	BMPCDDT -20030527ADP	
15	WPSU-TV	CLEARFIELD PA	215.3	PLN	DTVPLN -DTVP0544	
14	WKBD-DT	DETROIT MI	362.8	APP	USERRECORD-01	
Proposal causes no interference						

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Analysis of Interference to Affected Station 6

Analysis of current record					
Channel	Call	City/State	Application Ref. No.		
14	WCMH-TV	COLUMBUS OH	BLCDDT -20050823AAD		

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.	
14	WTIU	BLOOMINGTON IN	311.1	LIC	BLEDT -20030925AVS	
14	WTIU	BLOOMINGTON IN	311.1	PLN	DTVPLN -DTVP0496	
14	WTIU	BLOOMINGTON IN	311.1	CP	BPEDT -20080620ACT	
14	WKSO-TV	SOMERSET KY	348.5	LIC	BLEDT -20020304ALK	
14	WKSO-TV	SOMERSET KY	348.5	PLN	DTVPLN -DTVP0498	
14	WKBD	DETROIT MI	280.3	PLN	DTVPLN -DTVP0499	
15	WKMR	MOREHEAD KY	202.0	LIC	BLEDT -20020201ABI	
15	WKMR	MOREHEAD KY	202.0	PLN	DTVPLN -DTVP0530	
15	WEWS-TV	CLEVELAND OH	191.1	LIC	BLCDDT -20020304ACC	
15	WEWS-TV	CLEVELAND OH	191.1	PLN	DTVPLN -DTVP0542	
15	WEWS-TV	CLEVELAND OH	191.1	APP	BMPCDDT -20080620AGC	
15	WEWS-TV	CLEVELAND OH	191.1	CP	BPCDDT -20080226ACA	
14	WKBD-DT	DETROIT MI	280.3	APP	USERRECORD-01	

Total scenarios = 6

Table 2 WKBD-DT OET Bulletin 69 Interference Study (Post-Transition)
(worst-case scenarios shown page 5 of 13)

Result key: 1

Scenario 1 Affected station 6
Before Analysis

Results for: 14A OH COLUMBUS BLCDDT 20050823AAD LIC
HAAT 264.0 m, ATV ERP 902.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2525714	29036.5
not affected by terrain losses	2476322	28269.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	8829	96.9
lost to ATV IX only	8829	96.9
lost to all IX	8829	96.9

Potential Interfering Stations Included in above Scenario 1

14A IN BLOOMINGTON	BLEDT	20030925AVS	LIC
14A KY SOMERSET	BLEDT	20020304ALK	LIC
14A MI DETROIT	DTVPLN	DTVP0499	PLN

After Analysis

Results for: 14A OH COLUMBUS BLCDDT 20050823AAD LIC
HAAT 264.0 m, ATV ERP 902.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2525714	29036.5
not affected by terrain losses	2476322	28269.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	10370	177.6
lost to ATV IX only	10370	177.6
lost to all IX	10370	177.6

Potential Interfering Stations Included in above Scenario 1

14A IN BLOOMINGTON	BLEDT	20030925AVS	LIC
14A KY SOMERSET	BLEDT	20020304ALK	LIC
14A MI DETROIT	USERRECORD01	APP	

Percent new IX = 0.0625%

Worst case new IX 0.0625% Scenario 1

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
14	WCMH-TV	COLUMBUS OH	DTVPLN	-DTVP0508

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WTIU	BLOOMINGTON IN	311.1	LIC	BLEDT	-20030925AVS
14	WTIU	BLOOMINGTON IN	311.1	PLN	DTVPLN	-DTVP0496
14	WTIU	BLOOMINGTON IN	311.1	CP	BPEDT	-20080620ACT
14	WKSO-TV	SOMERSET KY	348.5	LIC	BLEDT	-20020304ALK
14	WKSO-TV	SOMERSET KY	348.5	PLN	DTVPLN	-DTVP0498

Table 2 WKBD-DT OET Bulletin 69 Interference Study (Post-Transition)
(worst-case scenarios shown page 6 of 13)

14	WKBD	DETROIT MI	280.3	PLN	DTVPLN	-DTVP0499
15	WKMR	MOREHEAD KY	202.0	LIC	BLEDT	-20020201ABI
15	WKMR	MOREHEAD KY	202.0	PLN	DTVPLN	-DTVP0530
15	WEWS-TV	CLEVELAND OH	191.1	LIC	BLCDDT	-20020304ACC
15	WEWS-TV	CLEVELAND OH	191.1	PLN	DTVPLN	-DTVP0542
15	WEWS-TV	CLEVELAND OH	191.1	APP	BMPCDDT	-20080620AGC
15	WEWS-TV	CLEVELAND OH	191.1	CP	BPCDDT	-20080226ACA
14	WKBD-DT	DETROIT MI	280.3	APP	USERRECORD-01	

Total scenarios = 6

Result key: 7

Scenario 1 Affected station 7
Before Analysis

Results for: 14A OH COLUMBUS DTVPLN DTVP0508 PLN
HAAT 264.0 m, ATV ERP 902.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2525714	29036.5
not affected by terrain losses	2476322	28269.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	8829	96.9
lost to ATV IX only	8829	96.9
lost to all IX	8829	96.9

Potential Interfering Stations Included in above Scenario 1

14A IN BLOOMINGTON	BLEDT	20030925AVS	LIC
14A KY SOMERSET	BLEDT	20020304ALK	LIC
14A MI DETROIT	DTVPLN	DTVP0499	PLN

After Analysis

Results for: 14A OH COLUMBUS DTVPLN DTVP0508 PLN
HAAT 264.0 m, ATV ERP 902.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2525714	29036.5
not affected by terrain losses	2476322	28269.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	10370	177.6
lost to ATV IX only	10370	177.6
lost to all IX	10370	177.6

Potential Interfering Stations Included in above Scenario 1

14A IN BLOOMINGTON	BLEDT	20030925AVS	LIC
14A KY SOMERSET	BLEDT	20020304ALK	LIC
14A MI DETROIT	USERRECORD01	APP	

Percent new IX = 0.0625%

Worst case new IX 0.0625% Scenario 1

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Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
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Table 2 WKBD-DT OET Bulletin 69 Interference Study (Post-Transition)

(worst-case scenarios shown page 7 of 13)

15	WDCQ-TV	BAD AXE MI	BLEDT	-20030922ABG
Stations Potentially Affecting This Station				
Chan	Call	City/State	Dist(km)	Status Application Ref. No.
14	WKBD	DETROIT MI	121.0	PLN DTVPLN -DTVP0499
15	WEWS-TV	CLEVELAND OH	288.9	LIC BLCDT -20020304ACC
15	WEWS-TV	CLEVELAND OH	288.8	PLN DTVPLN -DTVP0542
15	WEWS-TV	CLEVELAND OH	288.9	APP BMPCDT -20080620AGC
15	WEWS-TV	CLEVELAND OH	288.9	CP BPCDT -20080226ACA
16	WSMH	FLINT MI	47.8	APP BMPCDT -20080620AKL
16	WSMH	FLINT MI	47.8	PLN DTVPLN -DTVP0571
16	WSMH	FLINT MI	47.8	CP BPCDT -19991028ACK
14	WKBD-DT	DETROIT MI	121.0	APP USERRECORD-01

Total scenarios = 12

Result key: 13
Scenario 1 Affected station 8
Before Analysis

Results for: 15A MI BAD AXE		BLEDT	20030922ABG	LIC
HAAT 309.0 m, ATV ERP 200.0 kW				
		POPULATION	AREA (sq km)	
within Noise Limited Contour		1282655	24240.8	
not affected by terrain losses		1282655	24240.8	
lost to NTSC IX		0	0.0	
lost to additional IX by ATV		79982	1203.0	
lost to ATV IX only		79982	1203.0	
lost to all IX		79982	1203.0	

Potential Interfering Stations Included in above Scenario 1

15A OH CLEVELAND	BLCDT	20020304ACC	LIC
16A MI FLINT	DTVPLN	DTVP0571	PLN
14A MI DETROIT	DTVPLN	DTVP0499	PLN

After Analysis

Results for: 15A MI BAD AXE		BLEDT	20030922ABG	LIC
HAAT 309.0 m, ATV ERP 200.0 kW				
		POPULATION	AREA (sq km)	
within Noise Limited Contour		1282655	24240.8	
not affected by terrain losses		1282655	24240.8	
lost to NTSC IX		0	0.0	
lost to additional IX by ATV		79982	1203.0	
lost to ATV IX only		79982	1203.0	
lost to all IX		79982	1203.0	

Potential Interfering Stations Included in above Scenario 1

15A OH CLEVELAND	BLCDT	20020304ACC	LIC
16A MI FLINT	DTVPLN	DTVP0571	PLN
14A MI DETROIT	USERRECORD01		APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

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Table 2 WKBD-DT OET Bulletin 69 Interference Study (Post-Transition)

(worst-case scenarios shown page 8 of 13)

Analysis of Interference to Affected Station 9

Analysis of current record				
Channel	Call	City/State	Application	Ref. No.
15	WDCQ-TV	BAD AXE MI	DTVPLN	-DTVP0532

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
14	WKBD	DETROIT MI	121.0	PLN DTVPLN	-DTVP0499
15	WEWS-TV	CLEVELAND OH	288.9	LIC BLCDT	-20020304ACC
15	WEWS-TV	CLEVELAND OH	288.8	PLN DTVPLN	-DTVP0542
15	WEWS-TV	CLEVELAND OH	288.9	APP BMPCDT	-20080620AGC
15	WEWS-TV	CLEVELAND OH	288.9	CP BPCDT	-20080226ACA
16	WSMH	FLINT MI	47.8	APP BMPCDT	-20080620AKL
16	WSMH	FLINT MI	47.8	PLN DTVPLN	-DTVP0571
16	WSMH	FLINT MI	47.8	CP BPCDT	-19991028ACK
14	WKBD-DT	DETROIT MI	121.0	APP	USERRECORD-01

Total scenarios = 12

Result key: 25
Scenario 1 Affected station 9
Before Analysis

Results for: 15A MI BAD AXE		DTVPLN	DTVP0532	PLN
HAAT 309.0 m, ATV ERP 200.0 kW				
		POPULATION	AREA (sq km)	
within Noise Limited Contour		1282655	24240.8	
not affected by terrain losses		1282655	24240.8	
lost to NTSC IX		0	0.0	
lost to additional IX by ATV		79982	1203.0	
lost to ATV IX only		79982	1203.0	
lost to all IX		79982	1203.0	

Potential Interfering Stations Included in above Scenario 1

15A OH CLEVELAND	BLCDT	20020304ACC	LIC
16A MI FLINT	DTVPLN	DTVP0571	PLN
14A MI DETROIT	DTVPLN	DTVP0499	PLN

After Analysis

Results for: 15A MI BAD AXE		DTVPLN	DTVP0532	PLN
HAAT 309.0 m, ATV ERP 200.0 kW				
		POPULATION	AREA (sq km)	
within Noise Limited Contour		1282655	24240.8	
not affected by terrain losses		1282655	24240.8	
lost to NTSC IX		0	0.0	
lost to additional IX by ATV		79982	1203.0	
lost to ATV IX only		79982	1203.0	
lost to all IX		79982	1203.0	

Potential Interfering Stations Included in above Scenario 1

15A OH CLEVELAND	BLCDT	20020304ACC	LIC
16A MI FLINT	DTVPLN	DTVP0571	PLN
14A MI DETROIT	USERRECORD01		APP

Table 2 WKBD-DT OET Bulletin 69 Interference Study (Post-Transition)

(worst-case scenarios shown page 9 of 13)

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

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Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application Ref. No.
15	WXSP-CA	GRAND RAPIDS MI	BDFCDTA -20060330AGO

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
14	WKBD	DETROIT MI	206.8	PLN	DTVPLN -DTVP0499
15	WDCQ-TV	BAD AXE MI	178.2	LIC	BLEDT -20030922ABG
15	WDCQ-TV	BAD AXE MI	178.2	PLN	DTVPLN -DTVP0532
15	WEWS-TV	CLEVELAND OH	378.1	LIC	BLCDDT -20020304ACC
15	WEWS-TV	CLEVELAND OH	378.1	PLN	DTVPLN -DTVP0542
15	WEWS-TV	CLEVELAND OH	378.1	APP	BMPCDT -20080620AGC
15	WEWS-TV	CLEVELAND OH	378.1	CP	BPCDDT -20080226ACA
16	WSMH	FLINT MI	138.7	APP	BMPCDT -20080620AKL
16	WSMH	FLINT MI	138.7	PLN	DTVPLN -DTVP0571
16	WSMH	FLINT MI	138.7	CP	BPCDDT -19991028ACK
14	WKBD-DT	DETROIT MI	206.8	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 11

Analysis of current record

Channel	Call	City/State	Application Ref. No.
15	WXSP-CA	GRAND RAPIDS MI	BMPDTA -20080804ADS

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
14	WKBD	DETROIT MI	206.8	PLN	DTVPLN -DTVP0499
15	WDCQ-TV	BAD AXE MI	178.2	LIC	BLEDT -20030922ABG
15	WDCQ-TV	BAD AXE MI	178.2	PLN	DTVPLN -DTVP0532
15	WEWS-TV	CLEVELAND OH	378.1	LIC	BLCDDT -20020304ACC
15	WEWS-TV	CLEVELAND OH	378.1	PLN	DTVPLN -DTVP0542
15	WEWS-TV	CLEVELAND OH	378.1	APP	BMPCDT -20080620AGC
15	WEWS-TV	CLEVELAND OH	378.1	CP	BPCDDT -20080226ACA
16	WSMH	FLINT MI	138.7	APP	BMPCDT -20080620AKL
16	WSMH	FLINT MI	138.7	PLN	DTVPLN -DTVP0571
16	WSMH	FLINT MI	138.7	CP	BPCDDT -19991028ACK
14	WKBD-DT	DETROIT MI	206.8	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

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Table 2 WKBD-DT OET Bulletin 69 Interference Study (Post-Transition)

(worst-case scenarios shown page 10 of 13)

Analysis of Interference to Affected Station 12

Analysis of current record

Channel	Call	City/State	Application Ref. No.
15	WEWS-TV	CLEVELAND OH	BLCDDT -20020304ACC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
14	WKBD	DETROIT MI	180.5	PLN	DTVPLN -DTVP0499
14	WCMH-TV	COLUMBUS OH	191.1	LIC	BLCDDT -20050823AAD
14	WCMH-TV	COLUMBUS OH	191.1	PLN	DTVPLN -DTVP0508
15	WKMR	MOREHEAD KY	383.4	LIC	BLEDT -20020201ABI
15	WKMR	MOREHEAD KY	383.4	PLN	DTVPLN -DTVP0530
15	WDCQ-TV	BAD AXE MI	288.9	LIC	BLEDT -20030922ABG
15	WDCQ-TV	BAD AXE MI	288.9	PLN	DTVPLN -DTVP0532
15	WPSU-TV	CLEARFIELD PA	275.2	CP MOD	BMPEDT -20030527ADP
15	WPSU-TV	CLEARFIELD PA	275.2	PLN	DTVPLN -DTVP0544
16	WSEE-TV	ERIE PA	161.5	CP MOD	BMPCDT -20050216ACD
16	WSEE-TV	ERIE PA	155.9	PLN	DTVPLN -DTVP0579
14	WKBD-DT	DETROIT MI	180.5	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 13

Analysis of current record

Channel	Call	City/State	Application Ref. No.
15	WEWS-TV	CLEVELAND OH	DTVPLN -DTVP0542

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
14	WKBD	DETROIT MI	180.5	PLN	DTVPLN -DTVP0499
14	WCMH-TV	COLUMBUS OH	191.1	LIC	BLCDDT -20050823AAD
14	WCMH-TV	COLUMBUS OH	191.1	PLN	DTVPLN -DTVP0508
15	WKMR	MOREHEAD KY	383.4	LIC	BLEDT -20020201ABI
15	WKMR	MOREHEAD KY	383.4	PLN	DTVPLN -DTVP0530
15	WDCQ-TV	BAD AXE MI	288.8	LIC	BLEDT -20030922ABG
15	WDCQ-TV	BAD AXE MI	288.8	PLN	DTVPLN -DTVP0532
15	WPSU-TV	CLEARFIELD PA	275.2	CP MOD	BMPEDT -20030527ADP
15	WPSU-TV	CLEARFIELD PA	275.3	PLN	DTVPLN -DTVP0544
16	WSEE-TV	ERIE PA	161.5	CP MOD	BMPCDT -20050216ACD
16	WSEE-TV	ERIE PA	156.0	PLN	DTVPLN -DTVP0579
14	WKBD-DT	DETROIT MI	180.5	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 14

Analysis of current record

Channel	Call	City/State	Application Ref. No.
15	WEWS-TV	CLEVELAND OH	BMPCDT -20080620AGC

Table 2 WKBD-DT OET Bulletin 69 Interference Study (Post-Transition)
(worst-case scenarios shown page 11 of 13)

Stations Potentially Affecting This Station						
Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WKBD	DETROIT MI	180.5	PLN	DTVPLN	-DTVP0499
14	WCMH-TV	COLUMBUS OH	191.1	LIC	BLCDT	-20050823AAD
14	WCMH-TV	COLUMBUS OH	191.1	PLN	DTVPLN	-DTVP0508
15	WKMR	MOREHEAD KY	383.4	LIC	BLEDT	-20020201ABI
15	WKMR	MOREHEAD KY	383.4	PLN	DTVPLN	-DTVP0530
15	WDCQ-TV	BAD AXE MI	288.9	LIC	BLEDT	-20030922ABG
15	WDCQ-TV	BAD AXE MI	288.9	PLN	DTVPLN	-DTVP0532
15	WPSU-TV	CLEARFIELD PA	275.2	CP MOD	BMPCDT	-20030527ADP
15	WPSU-TV	CLEARFIELD PA	275.2	PLN	DTVPLN	-DTVP0544
16	WSEE-TV	ERIE PA	161.5	CP MOD	BMPCDT	-20050216ACD
16	WSEE-TV	ERIE PA	155.9	PLN	DTVPLN	-DTVP0579
14	WKBD-DT	DETROIT MI	180.5	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 15

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
15	WEWS-TV	CLEVELAND OH	BPCDT	-20080226ACA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WKBD	DETROIT MI	180.5	PLN	DTVPLN	-DTVP0499
14	WCMH-TV	COLUMBUS OH	191.1	LIC	BLCDT	-20050823AAD
14	WCMH-TV	COLUMBUS OH	191.1	PLN	DTVPLN	-DTVP0508
15	WKMR	MOREHEAD KY	383.4	LIC	BLEDT	-20020201ABI
15	WKMR	MOREHEAD KY	383.4	PLN	DTVPLN	-DTVP0530
15	WDCQ-TV	BAD AXE MI	288.9	LIC	BLEDT	-20030922ABG
15	WDCQ-TV	BAD AXE MI	288.9	PLN	DTVPLN	-DTVP0532
15	WPSU-TV	CLEARFIELD PA	275.2	CP MOD	BMPCDT	-20030527ADP
15	WPSU-TV	CLEARFIELD PA	275.2	PLN	DTVPLN	-DTVP0544
16	WSEE-TV	ERIE PA	161.5	CP MOD	BMPCDT	-20050216ACD
16	WSEE-TV	ERIE PA	155.9	PLN	DTVPLN	-DTVP0579
14	WKBD-DT	DETROIT MI	180.5	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 16

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
18	WDWO-CA	DETROIT MI	BLTTL	-20000310ABE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WKBD	DETROIT MI	13.0	PLN	DTVPLN	-DTVP0499
15	WDCQ-TV	BAD AXE MI	133.8	LIC	BLEDT	-20030922ABG
15	WDCQ-TV	BAD AXE MI	133.8	PLN	DTVPLN	-DTVP0532
16	WSMH	FLINT MI	114.7	APP	BMPCDT	-20080620AKL
16	WSMH	FLINT MI	114.7	PLN	DTVPLN	-DTVP0571

Table 2 WKBD-DT OET Bulletin 69 Interference Study (Post-Transition)
(worst-case scenarios shown page 12 of 13)

16	WSMH	FLINT MI	114.7	CP	BPCDT	-19991028ACK
18	WISE-DR	FORT WAYNE IN	214.5	APP	BPRM	-20080820AHU
18	WLFI-TV	LAFAYETTE IN	357.5	LIC	BLCT	-2217
18	WHTV	JACKSON MI	105.2	LIC	BLCT	-20001023ADV
18	WHIZ-TV	ZANESVILLE OH	291.9	APP	BSTA	-20060616AAU
18	WHIZ-TV	ZANESVILLE OH	291.9	LIC	BMLCT	-20030715ACX
18	WVTV	MILWAUKEE WI	388.7	APP	BMPCDT	-20080620AJN
18	WVTV	MILWAUKEE WI	388.7	PLN	DTVPLN	-DTVP0662
18	WVTV	MILWAUKEE WI	388.7	CP	BPCDT	-20080317AGE
18	WVTV	MILWAUKEE WI	388.8	LIC	BLCT	-19870804KE
19	WPXD-DR	ANN ARBOR MI	13.0	APP	BPRM	-20080619ALV
21	WMYD	DETROIT MI	9.7	LIC	BLCDT	-20040524AOG
21	WMYD	DETROIT MI	9.7	PLN	DTVPLN	-DTVP0768
22	WNEM-TV	BAY CITY MI	130.9	CP MOD	BMPCDT	-20040721AMM
22	WNEM-TV	BAY CITY MI	130.9	PLN	DTVPLN	-DTVP0808
33	W33BY	DETROIT MI	0.1	LIC	BLTTA	-20020301ABU
14	WKBD-DT	DETROIT MI	13.0	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 17

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
18	WDWO-CA	DETROIT MI	BPTTA	-20080801BAL

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WKBD	DETROIT MI	13.0	PLN	DTVPLN	-DTVP0499
15	WDCQ-TV	BAD AXE MI	133.8	LIC	BLEDT	-20030922ABG
15	WDCQ-TV	BAD AXE MI	133.8	PLN	DTVPLN	-DTVP0532
16	WSMH	FLINT MI	114.7	APP	BMPCDT	-20080620AKL
16	WSMH	FLINT MI	114.7	PLN	DTVPLN	-DTVP0571
16	WSMH	FLINT MI	114.7	CP	BPCDT	-19991028ACK
18	WISE-DR	FORT WAYNE IN	214.5	APP	BPRM	-20080820AHU
18	WLFI-TV	LAFAYETTE IN	357.5	LIC	BLCT	-2217
18	WHTV	JACKSON MI	105.2	LIC	BLCT	-20001023ADV
18	WHIZ-TV	ZANESVILLE OH	291.9	APP	BSTA	-20060616AAU
18	WHIZ-TV	ZANESVILLE OH	291.9	LIC	BMLCT	-20030715ACX
18	WVTV	MILWAUKEE WI	388.7	APP	BMPCDT	-20080620AJN
18	WVTV	MILWAUKEE WI	388.7	PLN	DTVPLN	-DTVP0662
18	WVTV	MILWAUKEE WI	388.7	CP	BPCDT	-20080317AGE
18	WVTV	MILWAUKEE WI	388.8	LIC	BLCT	-19870804KE
19	WPXD-DR	ANN ARBOR MI	13.0	APP	BPRM	-20080619ALV
20	WMYD	DETROIT MI	9.7	LIC	BLCT	-20040810AAC
21	WMYD	DETROIT MI	9.7	LIC	BLCDT	-20040524AOG
21	WMYD	DETROIT MI	9.7	PLN	DTVPLN	-DTVP0768
22	WNEM-TV	BAY CITY MI	130.9	CP MOD	BMPCDT	-20040721AMM
22	WNEM-TV	BAY CITY MI	130.9	PLN	DTVPLN	-DTVP0808
33	W33BY	DETROIT MI	0.1	LIC	BLTTA	-20020301ABU
14	WKBD-DT	DETROIT MI	13.0	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 18

Table 2 WKBD-DT OET Bulletin 69 Interference Study (Post-Transition)
(worst-case scenarios shown page 13 of 13)

Analysis of current record						
Channel	Call	City/State	Application Ref. No.			
14	WKBD-DT	DETROIT MI	USERRECORD-01			
Stations Potentially Affecting This Station						
Chan	Call	City/State	Dist (km)	Status	Application Ref. No.	
14	WUTV	BUFFALO NY	362.8	LIC	BLCDT	-20060829BGK
14	WUTV	BUFFALO NY	362.8	PLN	DTVPLN	-DTVP0506
14	WCMH-TV	COLUMBUS OH	280.3	LIC	BLCDT	-20050823AAD
14	WCMH-TV	COLUMBUS OH	280.3	PLN	DTVPLN	-DTVP0508
15	WDCQ-TV	BAD AXE MI	121.0	LIC	BLEDT	-20030922ABG
15	WDCQ-TV	BAD AXE MI	121.0	PLN	DTVPLN	-DTVP0532
15	WEWS-TV	CLEVELAND OH	180.5	LIC	BLCDT	-20020304ACC
15	WEWS-TV	CLEVELAND OH	180.5	PLN	DTVPLN	-DTVP0542
15	WEWS-TV	CLEVELAND OH	180.5	APP	BMPCDT	-20080620AGC
15	WEWS-TV	CLEVELAND OH	180.5	CP	BPCDT	-20080226ACA

Total scenarios = 1

Result key: 37
Scenario 1 Affected station 18
Before Analysis

Results for: 14A MI DETROIT USERRECORD01 APP
HAAT 269.0 m, ATV ERP 180.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	5118372	19645.9
not affected by terrain losses	5118372	19645.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0

Potential Interfering Stations Included in above Scenario 1

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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.**

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.

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.

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 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 14 Analog TV, if any 50
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 29 Seconds 01 <input checked="" type="radio"/> North <input type="radio"/> South Longitude: Degrees 83 Minutes 18 Seconds 44 <input checked="" type="radio"/> West <input type="radio"/> East
4.	Antenna Structure Registration Number: 1007996 <input type="checkbox"/> Not Applicable <input type="checkbox"/> Notification filed with FAA
5.	Antenna Location Site Elevation Above Mean Sea Level: 213 meters
6.	Overall Tower Height Above Ground Level: 321 meters
7.	Height of Radiation Center Above Ground Level: 287 meters
8.	Height of Radiation Center Above Average Terrain : 269 meters
9.	Maximum Effective Radiated Power (average power): 180 kW
10.	Antenna Specifications: a. Manufacturer DIE Model TLP-24H (C) b. Electrical Beam Tilt: 1 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
421]

d. Polarization:

☒ Horizontal ☐ Circular ☐ Ellipticale. Directional Antenna Relative Field Values: ☐ 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]

10e. Directional Antenna Relative Field Values

[Fill in this subform for a composite directional (not off-the-shelf) antenna, only.]

e. Directional Antenna Relative Field Values:

Rotation (Degrees): ☒ No Rotation

Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value
0	0.507	10	0.622	20	0.752	30	0.856	40	0.912	50	0.907
60	0.859	70	0.812	80	0.779	90	0.791	100	0.849	110	0.919
120	0.97	130	0.994	140	0.991	150	0.951	160	0.881	170	0.804
180	0.768	190	0.77	200	0.8	210	0.858	220	0.904	230	0.904
240	0.841	250	0.731	260	0.615	270	0.51	280	0.439	290	0.436
300	0.473	310	0.512	320	0.52	330	0.496	340	0.459	350	0.447
Additional Azimuths		135	1								

[Relative Field Polar Plot](#)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?

☒ Yes ☐ 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:

[Exhibit 46]

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.

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 11/4/2008	
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).

Any specified rotation has already been applied to the plotted pattern.

Field strength values shown on a rotated pattern may differ from the listed values because intermediate azimuths are interpolated between entered azimuths.

