

TECHNICAL EXHIBIT  
DTV MAXIMIZATION APPLICATION  
STATION WITI(DT)  
MILWAUKEE, WISCONSIN  
CH 33 1000 KW 357 M

Technical Narrative

This Technical Exhibit supports an application for digital television (DTV) station WITI(DT) for its "maximized" DTV operation at Milwaukee, Wisconsin. This application requests a construction permit (CP) for WITI(DT) digital television operation on channel 33 at Milwaukee with a non-directional effective radiated power of 1000 kilowatts.

Proposed Facilities

Station WITI(DT) proposes to operate DTV channel 33 from an authorized tower with an antenna structure registration number (ASRN) of 1057482. The antenna height above average terrain for the channel 33 DTV operation will be 357 meters. The proposed WITI(DT) effective radiated power exceeds the Commission's *Appendix B* allocated maximum effective radiated power in some azimuthal directions for WITI(DT).<sup>1</sup> Therefore, an allocation study was completed to ensure no prohibited interference would occur.

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<sup>1</sup> See Seventh Report And Order And Eighth Further Notice Of Proposed Rule Making in the Matter of Advanced Television Systems and their Impact Upon the Existing Television Broadcast Service, MB Docket 87-268, Released August 6, 2007; Adopted August 1, 2007.

The proposed DTV transmitter site will be located at a tower with ASR# 1057482. Therefore, the proposed site location is:

43° 05' 46" North Latitude  
87° 54' 15" West Longitude

A sketch of antenna and pertinent elevations are included as Figure 1.

Figure 2 is a map showing the proposed DTV predicted coverage contour and the associated DTV appendix B Noise-Limited coverage contour. The extent of the contours have been calculated using the normal FCC prediction method.

#### Population Served

The herein proposed WITI(DT) "maximized" facility is predicted to serve 3,094,119 persons, post-transition based upon the 2000 Census. WITI(DT)'s associated Appendix B facility is predicted to serve 2,916,000 persons. Therefore, the herein proposed WITI(DT) facility would serve more than 100% of WITI(DT)'s Appendix B population. The OET-69 studies were conducted using a cell size of 2.0 km/side and distance increments for Longley-Rice analysis of 0.5 km.

#### Allocation Considerations

The proposed WITI(DT) Channel 33 facility meets the requirements of Section 73.623 of the FCC Rules concerning predicted interference to other Appendix B DTV allotments. Longley-Rice interference analyses were conducted pursuant to the requirements of the FCC Rules; OET Bulletin No. 69; and

published FCC guidelines for preparation of such interference analyses. The Longley-Rice interference analyses were conducted using the software developed by du Treil, Lundin & Rackley, Inc. based on the FCC published software routines.<sup>2</sup> Stations selected for analysis were determined pursuant to the distance requirements outlined in the FCC DTV Processing Guidelines Public Notice. The results of the interference analyses for the proposed WITI(DT) facility are summarized herein at Figure 3. As indicated therein, the proposed facility will meet the 0.5% criterion outlined in the FCC Rules and published guidelines with respect to all considered stations.<sup>3</sup>

#### Radiofrequency Electromagnetic Field Exposure

The proposed WITI(DT) facilities were evaluated in terms of potential radiofrequency electromagnetic field exposure at ground level to workers and the general public. The radiation center for the proposed WITI(DT) antenna is located 366 meters above ground level. The maximum effective radiated power is 1000 kilowatts. A "worst case" downward relative field value of 0.25 is assumed for the antenna's downward radiation. The calculated power density at a point 2 meters above ground level is 0.016 mW/cm<sup>2</sup>. This is less than 5 percent of the Commission's recommended limit of 0.39 mW/cm<sup>2</sup> for channel 33 for an "uncontrolled" environment.

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2 The duTreil, Lundin & Rackley, Inc. DTV interference analysis program is based on the program and procedures outlined by the FCC in the Sixth Report and Order; subsequent Memorandum Opinion and Order; and FCC OET Bulletin No. 69. A nominal grid size resolution of 2 km was employed.

3 Interference analysis results reflect the net change in interference to a given station considering the interference predicted to occur from all other stations (i.e. "masking") including the allotment facility for WITI(DT). This properly reflects the net interference change for determining compliance with the FCC 0.5% *de minimis* standard.

Access to the transmitting site is restricted and appropriately marked with warning signs. As this is a multi-user site an agreement between the stations will control access. In the event that workers or other authorized personnel enter restricted areas or climb the tower, appropriate measures will be taken to assure worker safety with respect to radio frequency radiation exposure. Such measures include reducing the average exposure by spreading out the work over a longer period of time, wearing "accepted" RFR protective clothing and/or RFR exposure monitors or scheduling work when the stations are at reduced power or shut down. The proposed WITI(DT) operation appears to be otherwise categorically excluded from environmental processing.

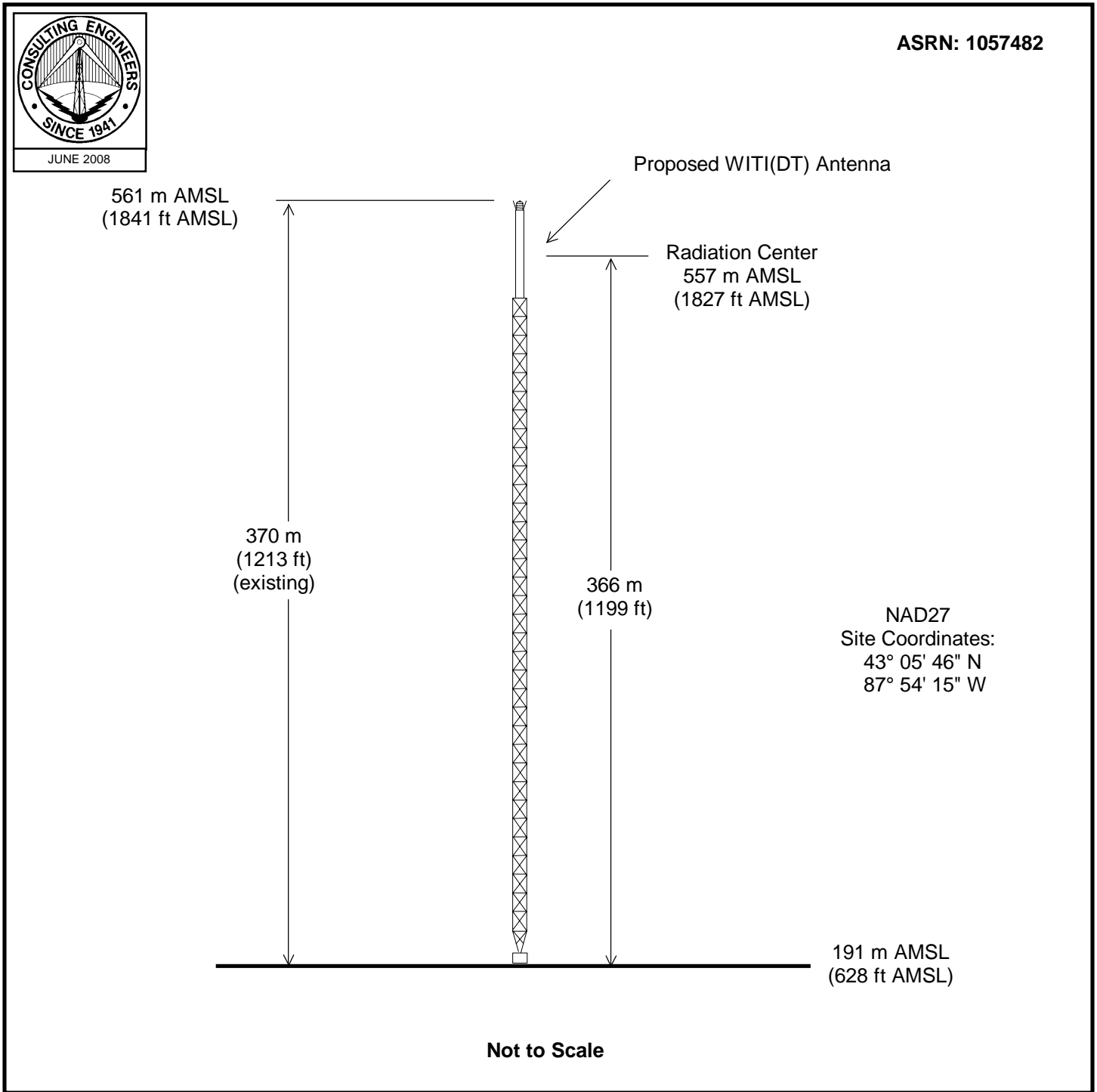
It is noted that this statement only addresses the potential for radiofrequency electromagnetic field exposure. All other aspects of the environmental processing analysis will be or already have been provided to the FCC by the tower owner.

Charles Cooper

du Treil, Lundin & Rackley, Inc.  
201 Fletcher Avenue  
Sarasota, Florida 32437  
941.329.6000

June 16, 2008

Figure 1

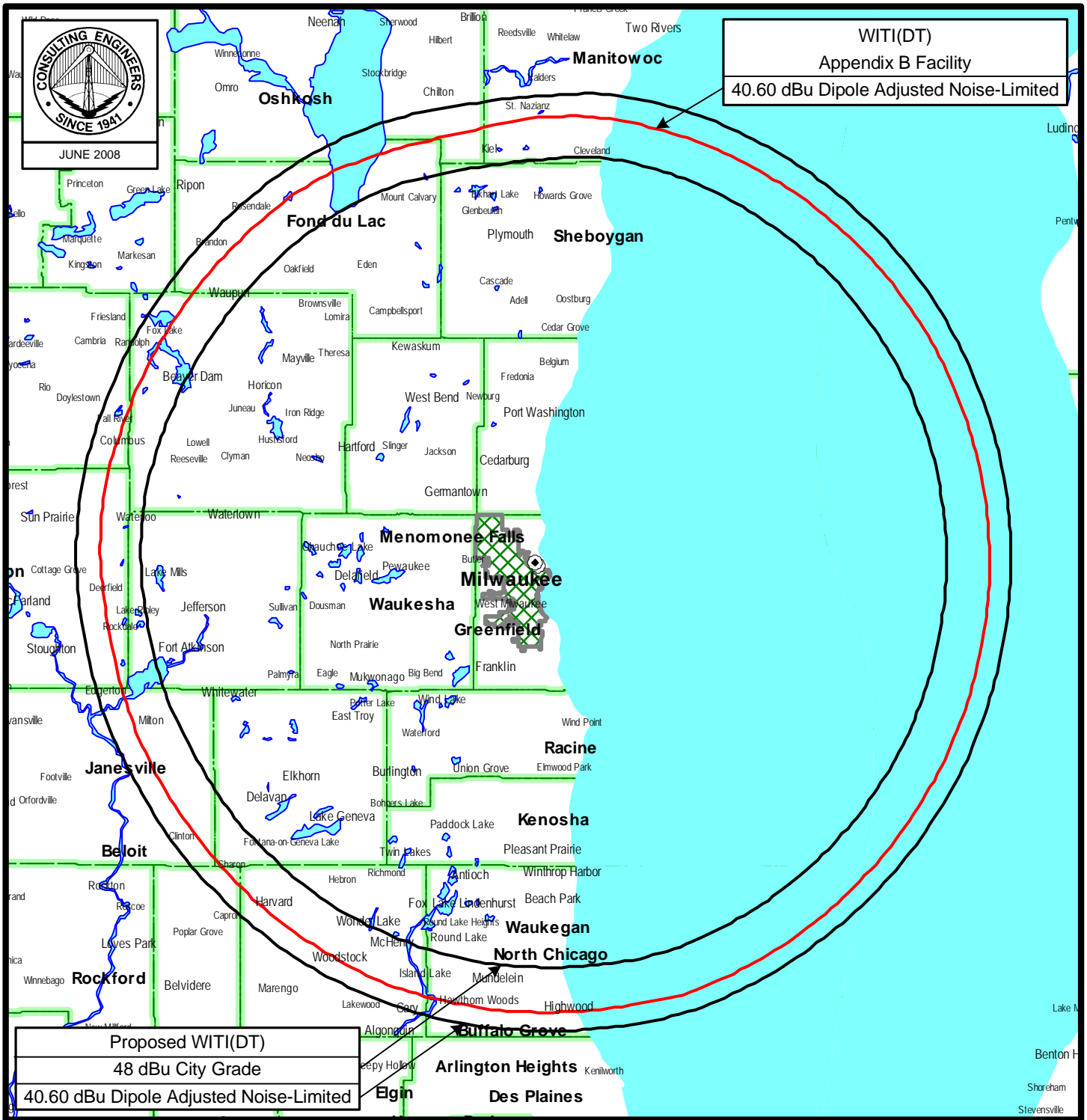


## ANTENNA AND SUPPORTING STRUCTURE

DTV STATION WITI(DT)  
MILWAUKEE, WISCONSIN  
CH 33 1000 KW 357 M

du Treil, Lundin & Rackley, Inc. Sarasota, Florida

Figure 2



## PREDICTED COVERAGE CONTOURS

STATION WITI(DT)

MILWAUKEE, WISCONSIN

CH 33 1000 KW 357 M

du Treil, Lundin & Rackley, Inc Sarasota, Florida

Figure 3

TW Census data selected 2000  
Post Transition Data Base Selected /export/home/cdbs/pt\_tvdb.sff

#### TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 06-16-2008 Time: 20:19:19

Record Selected for Analysis

WITI USERRECORD-01 MILWAUKEE WI US  
Channel 33 ERP 1000. kW HAAT 358. m RCAMSL 00557 m  
Latitude 043-05-44 Longitude 0087-54-17  
Status APP Zone 1 Border  
Last update Cutoff date Docket  
Comments  
Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility meets maximum height/power limits

Azimuth (Deg)	ERP (kW)	HAAT (m)	41.0 dBu F(50,90) (km)
0.0	1000.000	354.6	102.1
45.0	1000.000	380.0	104.3
90.0	1000.000	380.0	104.3
135.0	1000.000	377.5	104.1
180.0	1000.000	359.8	102.6
225.0	1000.000	336.2	100.5
270.0	1000.000	335.8	100.5
315.0	1000.000	339.5	100.8

#### Evaluation toward Class A Stations

Contour overlap to Class A station  
WOHO-CA 33 HOLLAND MI BLTTL 20001026AAA

Station inside contour of Class A station  
WMLW-CA 41 MILWAUKEE WI BLTTA 20021002AAA

Class A Evaluation Complete

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Figure 3

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

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Start of Interference Analysis

Channel	Call	City/State	ARN
33	WITI	MILWAUKEE WI	USERRECORD01

#### Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
32	WBUW	JANESVILLE WI	128.6	LIC	BLCDT -20040930BHL
32	WBUW	JANESVILLE WI	128.6	PLN	DTVPLN -DTVP1204
33	W33BY	DETROIT MI	388.8	LIC	BLTTA -20020301ABU
33	WOHO-CA	HOLLAND MI	161.6	LIC	BLTTL -20001026AAA
33	WOHO-CA	HOLLAND MI	161.6	CP	BDFCDTA -20060330AMF
34	WISN-TV	MILWAUKEE WI	2.6	LIC	BLCDT -20050412ADP
34	WISN-TV	MILWAUKEE WI	2.6	PLN	DTVPLN -DTVP1278
41	WOCH-CA	CHICAGO IL	135.0	APP	BPTTA -20050127ALO
41	WOCH-CA	CHICAGO IL	135.0	APP	BSTA -20060109ACO
41	WOCH-CA	CHICAGO IL	135.0	LIC	BLTTA -20060103ACT
41	WMLW-CA	MILWAUKEE WI	2.8	LIC	BLTTA -20021002AAA

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#### Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application Ref. No.
32	WBUW	JANESVILLE WI	BLCDT -20040930BHL

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
31	WFLD	CHICAGO IL	200.0	LIC	BLCDT -20050606ABF
31	WFLD	CHICAGO IL	200.0	PLN	DTVPLN -DTVP1142
32	WTJR	QUINCY IL	374.9	CP MOD	BMPCDT -20080522ABM
32	WTJR	QUINCY IL	375.0	PLN	DTVPLN -DTVP1180
32	WCCO-TV	MINNEAPOLIS MN	367.5	LIC	BLCDT -20010921ABB
32	WCCO-TV	MINNEAPOLIS MN	367.5	PLN	DTVPLN -DTVP1184
33	WITI	MILWAUKEE WI	129.2	PLN	DTVPLN -DTVP1236
33	WITI	MILWAUKEE WI	128.6	APP	USERRECORD-01

Total scenarios = 4

Figure 3

Result key: 1  
Scenario 1 Affected station 1  
Before Analysis

Results for: 32A WI JANESVILLE BLCDDT 20040930BHL LIC  
HAAT 387.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1274080	25469.5
not affected by terrain losses	1269540	25199.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3847	96.7
lost to ATV IX only	3847	96.7
lost to all IX	3847	96.7

Potential Interfering Stations Included in above Scenario 1

32A IL QUINCY	BMPCDDT	20080522ABM	CP
32A MN MINNEAPOLIS	BLCDDT	20010921ABB	LIC
33A WI MILWAUKEE	DTVPLN	DTVP1236	PLN

After Analysis

Results for: 32A WI JANESVILLE BLCDDT 20040930BHL LIC  
HAAT 387.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1274080	25469.5
not affected by terrain losses	1269540	25199.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	8338	177.3
lost to ATV IX only	8338	177.3
lost to all IX	8338	177.3

Potential Interfering Stations Included in above Scenario 1

32A IL QUINCY	BMPCDDT	20080522ABM	CP
32A MN MINNEAPOLIS	BLCDDT	20010921ABB	LIC
33A WI MILWAUKEE	USERRECORD01		APP

Percent new IX = 0.3548%

Result key: 2  
Scenario 2 Affected station 1  
Before Analysis

Results for: 32A WI JANESVILLE BLCDDT 20040930BHL LIC  
HAAT 387.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1274080	25469.5
not affected by terrain losses	1269540	25199.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3847	96.7
lost to ATV IX only	3847	96.7
lost to all IX	3847	96.7

Potential Interfering Stations Included in above Scenario 2

32A IL QUINCY	BMPCDDT	20080522ABM	CP
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Figure 3

32A MN MINNEAPOLIS	DTVPLN	DTVP1184	PLN
33A WI MILWAUKEE	DTVPLN	DTVP1236	PLN

After Analysis

Results for: 32A WI JANESVILLE BLCDDT 20040930BHL LIC  
HAAT 387.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1274080	25469.5
not affected by terrain losses	1269540	25199.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	8338	177.3
lost to ATV IX only	8338	177.3
lost to all IX	8338	177.3

Potential Interfering Stations Included in above Scenario 2

32A IL QUINCY	BMPCDDT	20080522ABM	CP
32A MN MINNEAPOLIS	DTVPLN	DTVP1184	PLN
33A WI MILWAUKEE	USERRECORD01		APP

Percent new IX = 0.3548%

Result key: 3  
Scenario 3 Affected station 1  
Before Analysis

Results for: 32A WI JANESVILLE BLCDDT 20040930BHL LIC  
HAAT 387.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1274080	25469.5
not affected by terrain losses	1269540	25199.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3847	96.7
lost to ATV IX only	3847	96.7
lost to all IX	3847	96.7

Potential Interfering Stations Included in above Scenario 3

32A IL QUINCY	DTVPLN	DTVP1180	PLN
32A MN MINNEAPOLIS	BLCDDT	20010921ABB	LIC
33A WI MILWAUKEE	DTVPLN	DTVP1236	PLN

After Analysis

Results for: 32A WI JANESVILLE BLCDDT 20040930BHL LIC  
HAAT 387.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1274080	25469.5
not affected by terrain losses	1269540	25199.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	8338	177.3
lost to ATV IX only	8338	177.3
lost to all IX	8338	177.3

Potential Interfering Stations Included in above Scenario 3



Figure 3

32A IL QUINCY	DTVPLN	DTVP1180	PLN
32A MN MINNEAPOLIS	BLCDDT	20010921ABB	LIC
33A WI MILWAUKEE	USERRECORD01		APP

Percent new IX = 0.3548%

Result key: 4

Scenario 4 Affected station 1  
Before Analysis

Results for: 32A WI JANESVILLE BLCDDT 20040930BHL LIC  
HAAT 387.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1274080	25469.5
not affected by terrain losses	1269540	25199.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3847	96.7
lost to ATV IX only	3847	96.7
lost to all IX	3847	96.7

Potential Interfering Stations Included in above Scenario 4

32A IL QUINCY	DTVPLN	DTVP1180	PLN
32A MN MINNEAPOLIS	DTVPLN	DTVP1184	PLN
33A WI MILWAUKEE	DTVPLN	DTVP1236	PLN

After Analysis

Results for: 32A WI JANESVILLE BLCDDT 20040930BHL LIC  
HAAT 387.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1274080	25469.5
not affected by terrain losses	1269540	25199.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	8338	177.3
lost to ATV IX only	8338	177.3
lost to all IX	8338	177.3

Potential Interfering Stations Included in above Scenario 4

32A IL QUINCY	DTVPLN	DTVP1180	PLN
32A MN MINNEAPOLIS	DTVPLN	DTVP1184	PLN
33A WI MILWAUKEE	USERRECORD01		APP

Percent new IX = 0.3548%

Worst case new IX 0.3548% Scenario 1

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application Ref. No.
32	WBUW	JANESVILLE WI	DTVPLN -DTVP1204

Figure 3

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
31	WFLD	CHICAGO IL	200.0	LIC	BLCDDT	-20050606ABF
31	WFLD	CHICAGO IL	200.0	PLN	DTVPLN	-DTVP1142
32	WTJR	QUINCY IL	374.9	CP MOD	BMPCDDT	-20080522ABM
32	WTJR	QUINCY IL	375.0	PLN	DTVPLN	-DTVP1180
32	WCCO-TV	MINNEAPOLIS MN	367.5	LIC	BLCDDT	-20010921ABB
32	WCCO-TV	MINNEAPOLIS MN	367.5	PLN	DTVPLN	-DTVP1184
33	WITI	MILWAUKEE WI	129.2	PLN	DTVPLN	-DTVP1236
33	WITI	MILWAUKEE WI	128.6	APP	USERRECORD-01	

Total scenarios = 4

Result key: 5

Scenario 1 Affected station 2  
Before Analysis

Results for: 32A WI JANESVILLE DTVPLN DTVP1204 PLN  
HAAT 387.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1274080	25469.5
not affected by terrain losses	1269540	25199.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3847	96.7
lost to ATV IX only	3847	96.7
lost to all IX	3847	96.7

Potential Interfering Stations Included in above Scenario 1

32A IL QUINCY	BMPCDDT	20080522ABM	CP
32A MN MINNEAPOLIS	BLCDDT	20010921ABB	LIC
33A WI MILWAUKEE	DTVPLN	DTVP1236	PLN

After Analysis

Results for: 32A WI JANESVILLE DTVPLN DTVP1204 PLN  
HAAT 387.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1274080	25469.5
not affected by terrain losses	1269540	25199.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	8338	177.3
lost to ATV IX only	8338	177.3
lost to all IX	8338	177.3

Potential Interfering Stations Included in above Scenario 1

32A IL QUINCY	BMPCDDT	20080522ABM	CP
32A MN MINNEAPOLIS	BLCDDT	20010921ABB	LIC
33A WI MILWAUKEE	USERRECORD01		APP

Percent new IX = 0.3548%

Result key: 6

Figure 3

Scenario 2 Affected station 2  
Before Analysis

Results for: 32A WI JANESVILLE DTVPLN DTVP1204 PLN  
HAAT 387.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1274080	25469.5
not affected by terrain losses	1269540	25199.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3847	96.7
lost to ATV IX only	3847	96.7
lost to all IX	3847	96.7

Potential Interfering Stations Included in above Scenario 2

32A IL QUINCY	BMPCDT	20080522ABM	CP
32A MN MINNEAPOLIS	DTVPLN	DTVP1184	PLN
33A WI MILWAUKEE	DTVPLN	DTVP1236	PLN

After Analysis

Results for: 32A WI JANESVILLE DTVPLN DTVP1204 PLN  
HAAT 387.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1274080	25469.5
not affected by terrain losses	1269540	25199.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	8338	177.3
lost to ATV IX only	8338	177.3
lost to all IX	8338	177.3

Potential Interfering Stations Included in above Scenario 2

32A IL QUINCY	BMPCDT	20080522ABM	CP
32A MN MINNEAPOLIS	DTVPLN	DTVP1184	PLN
33A WI MILWAUKEE	USERRECORD01		APP

Percent new IX = 0.3548%

Result key: 7

Scenario 3 Affected station 2  
Before Analysis

Results for: 32A WI JANESVILLE DTVPLN DTVP1204 PLN  
HAAT 387.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1274080	25469.5
not affected by terrain losses	1269540	25199.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3847	96.7
lost to ATV IX only	3847	96.7
lost to all IX	3847	96.7

Potential Interfering Stations Included in above Scenario 3

32A IL QUINCY	DTVPLN	DTVP1180	PLN
32A MN MINNEAPOLIS	BLCDT	20010921ABB	LIC

Figure 3

33A WI MILWAUKEE DTVPLN DTVP1236 PLN

After Analysis

Results for: 32A WI JANESVILLE DTVPLN DTVP1204 PLN  
HAAT 387.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1274080	25469.5
not affected by terrain losses	1269540	25199.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	8338	177.3
lost to ATV IX only	8338	177.3
lost to all IX	8338	177.3

Potential Interfering Stations Included in above Scenario 3

32A IL QUINCY	DTVPLN	DTVP1180	PLN
32A MN MINNEAPOLIS	BLCDT	20010921ABB	LIC
33A WI MILWAUKEE	USERRECORD01		APP

Percent new IX = 0.3548%

Result key: 8

Scenario 4 Affected station 2  
Before Analysis

Results for: 32A WI JANESVILLE DTVPLN DTVP1204 PLN  
HAAT 387.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1274080	25469.5
not affected by terrain losses	1269540	25199.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3847	96.7
lost to ATV IX only	3847	96.7
lost to all IX	3847	96.7

Potential Interfering Stations Included in above Scenario 4

32A IL QUINCY	DTVPLN	DTVP1180	PLN
32A MN MINNEAPOLIS	DTVPLN	DTVP1184	PLN
33A WI MILWAUKEE	DTVPLN	DTVP1236	PLN

After Analysis

Results for: 32A WI JANESVILLE DTVPLN DTVP1204 PLN  
HAAT 387.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1274080	25469.5
not affected by terrain losses	1269540	25199.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	8338	177.3
lost to ATV IX only	8338	177.3
lost to all IX	8338	177.3

Potential Interfering Stations Included in above Scenario 4

32A IL QUINCY	DTVPLN	DTVP1180	PLN
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Figure 3

32A MN MINNEAPOLIS DTVPLN DTVP1184 PLN  
33A WI MILWAUKEE USERRECORD01 APP

Percent new IX = 0.3548%

Worst case new IX 0.3548% Scenario 1

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#### Analysis of Interference to Affected Station 3

##### Analysis of current record

Channel	Call	City/State	Application Ref. No.
33	W33BY	DETROIT MI	BLTTA -20020301ABU

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
29	WGTE-TV	TOLEDO OH	81.6	LIC	BLEDT -20031110AKO
29	WGTE-TV	TOLEDO OH	81.6	PLN	DTVPLN -DTV1086
30	WEYI-TV	SAGINAW MI	101.1	LIC	BLCDDT -20040123ASH
30	WEYI-TV	SAGINAW MI	101.1	PLN	DTVPLN -DTV1111
31	WPXD	ANN ARBOR MI	67.9	CP	BPCDDT -20080305ABI
31	WPXD	ANN ARBOR MI	67.9	PLN	DTVPLN -DTV1147
33	WISE-TV	FORT WAYNE IN	214.7	APP	BPCT -20070123AAW
33	WISE-TV	FORT WAYNE IN	214.7	APP	BSTA -20070123AAQ
33	WISE-TV	FORT WAYNE IN	214.7	LIC	BLCT -19800410KH
33	WFQX-TV	CADILLAC MI	260.2	LIC	BLCT -19980803IX
33	WGRZ-TV	BUFFALO NY	385.0	LIC	BLCDDT -20050705AAG
33	WGRZ-TV	BUFFALO NY	385.0	PLN	DTVPLN -DTV1222
33	W33BW	ASHLAND OH	197.0	LIC	BLTTL -20020211ABL
33	WSTR-TV	CINCINNATI OH	369.2	CP MOD	BMPCDDT -20070720AAM
33	WSTR-TV	CINCINNATI OH	369.2	PLN	DTVPLN -DTV1224
33	WYTV	YOUNGSTOWN OH	261.1	LIC	BLCT -2210
33	WITI	MILWAUKEE WI	388.2	CP MOD	BMPCDDT -20080122AOP
33	WITI	MILWAUKEE WI	388.1	PLN	DTVPLN -DTV1236
34	WHTV	JACKSON MI	99.1	CP MOD	BMPCDDT -20070125ACI
34	WHTV	JACKSON MI	105.3	PLN	DTVPLN -DTV1255
36	WLNS-TV	LANSING MI	99.1	CP	BPCDDT -20080313ABL
36	WLNS-TV	LANSING MI	99.1	PLN	DTVPLN -DTV1333
40	WKAR-TV	EAST LANSING MI	102.5	CP	BPEDT -20080314ACE
40	WKAR-TV	EAST LANSING MI	102.5	PLN	DTVPLN -DTV1441
41	WXYZ-TV	DETROIT MI	10.3	LIC	BLCDDT -20030325ABI
41	WXYZ-TV	DETROIT MI	10.4	PLN	DTVPLN -DTV1476
41	WXYZ-TV	DETROIT MI	10.3	CP	BPCT -20080228AAC
47	WSYM-TV	LANSING MI	116.1	LIC	BLCT -19821210KE
48	W48AV	DETROIT MI	31.4	LIC	BLTTL -19960523JB
48	WAQP	SAGINAW MI	114.8	LIC	BLCDDT -20060824ADS
48	WAQP	SAGINAW MI	114.8	PLN	DTVPLN -DTV1711
33	WITI	MILWAUKEE WI	388.8	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

#####

Figure 3

#### Analysis of Interference to Affected Station 4

##### Analysis of current record

Channel	Call	City/State	Application Ref. No.
33	WOHO-CA	HOLLAND MI	BLTTL -20001026AAA

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
26	WCMU-TV	MOUNT PLEASANT MI	120.3	CP	BPEDT -20080222ABE
26	WCMU-TV	MOUNT PLEASANT MI	120.3	PLN	DTVPLN -DTV10959
33	WISE-TV	FORT WAYNE IN	202.0	APP	BPCT -20070123AAW
33	WISE-TV	FORT WAYNE IN	202.0	APP	BSTA -20070123AAQ
33	WISE-TV	FORT WAYNE IN	202.0	LIC	BLCT -19800410KH
33	WFQX-TV	CADILLAC MI	156.0	LIC	BLCT -19980803IX
33	WITI	MILWAUKEE WI	160.9	CP MOD	BMPCDDT -20080122AOP
33	WITI	MILWAUKEE WI	160.8	PLN	DTVPLN -DTV1236
34	WHTV	JACKSON MI	129.7	CP MOD	BMPCDDT -20070125ACI
34	WHTV	JACKSON MI	125.1	PLN	DTVPLN -DTV1255
35	WNIT	SOUTH BEND IN	135.1	LIC	BLEDT -20040106ABJ
35	WNIT	SOUTH BEND IN	135.1	PLN	DTVPLN -DTV1291
36	WLNS-TV	LANSING MI	129.7	CP	BPCT -20080313ABL
36	WLNS-TV	LANSING MI	129.7	PLN	DTVPLN -DTV1333
40	WKAR-TV	EAST LANSING MI	126.5	CP	BPEDT -20080314ACE
40	WKAR-TV	EAST LANSING MI	126.4	PLN	DTVPLN -DTV1441
47	WSYM-TV	LANSING MI	113.4	LIC	BLCT -19821210KE
48	WHME-TV	SOUTH BEND IN	136.8	LIC	BLCDDT -20060109ABG
48	WHME-TV	SOUTH BEND IN	136.8	PLN	DTVPLN -DTV1708
48	W48CL	GRAND RAPIDS MI	28.4	LIC	BLTTL -20000328ACP
33	WITI	MILWAUKEE WI	161.6	APP	USERRECORD-01

Total scenarios = 1

Result key: 9  
Scenario 1 Affected station 4  
Before Analysis

Results for: 33N MI HOLLAND	BLTTL	20001026AAA	LIC
POPULATION	90277	520.1	
AREA (sq km)	520.1		
within Noise Limited Contour	90277	520.1	
not affected by terrain losses	0	0.0	
lost to NTSC IX	251	4.0	
lost to additional IX by ATV	251	4.0	
lost to all IX			

Potential Interfering Stations Included in above Scenario 1

33A WI MILWAUKEE DTVPLN DTV1236 PLN

##### After Analysis

Results for: 33N MI HOLLAND	BLTTL	20001026AAA	LIC
POPULATION	90277	520.1	
AREA (sq km)	520.1		

Figure 3

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within Noise Limited Contour      90277      520.1
not affected by terrain losses     90277      520.1
lost to NTSC IX                   0          0.0
lost to additional IX by ATV       447        8.0
lost to all IX                    447        8.0

Potential Interfering Stations Included in above Scenario      1

33A WI MILWAUKEE          USERRECORD01          APP

Percent new IX =      0.2171%

Worst case new IX      0.2171% Scenario      1

#####

Analysis of Interference to Affected Station      5

Analysis of current record
Channel      Call      City/State      Application Ref. No.
33      WOHO-CA      HOLLAND MI      BDFCDTA      -20060330AMF

Stations Potentially Affecting This Station

Chan  Call      City/State      Dist(km) Status Application Ref. No.
33  WSTR-TV      CINCINNATI OH      419.5  CP MOD  BMPCDT      -20070720AAM
33  WSTR-TV      CINCINNATI OH      419.5  PLN    DTVPLN      -DTVP1224
33  WITI      MILWAUKEE WI      160.8  PLN    DTVPLN      -DTVP1236
34  WHTV      JACKSON MI      129.7  CP MOD  BMPCDT      -20070125ACI
34  WHTV      JACKSON MI      125.1  PLN    DTVPLN      -DTVP1255
34  WISN-TV      MILWAUKEE WI      163.8  LIC     BLCDT      -20050412ADP
34  WISN-TV      MILWAUKEE WI      163.8  PLN    DTVPLN      -DTVP1278
33  WITI      MILWAUKEE WI      161.6  APP     USERRECORD-01

Total scenarios =      1

Result key:      10
Scenario      1 Affected station      5
Before Analysis

Results for: 33A MI HOLLAND      BDFCDTA      20060330AMF CP
HAAT      1.0 m, ATV ERP      0.0 kW
POPULATION      AREA (sq km)
within Noise Limited Contour      82309      496.1
not affected by terrain losses     82309      496.1
lost to NTSC IX                   0          0.0
lost to additional IX by ATV       986        20.0
lost to ATV IX only               986        20.0
lost to all IX                   986        20.0

Potential Interfering Stations Included in above Scenario      1

33A WI MILWAUKEE          DTVPLN      DTVP1236      PLN

```

Figure 3

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After Analysis

Results for: 33A MI HOLLAND      BDFCDTA      20060330AMF CP
HAAT      1.0 m, ATV ERP      0.0 kW
POPULATION      AREA (sq km)
within Noise Limited Contour      82309      496.1
not affected by terrain losses     82309      496.1
lost to NTSC IX                   0          0.0
lost to additional IX by ATV       986        20.0
lost to ATV IX only               986        20.0
lost to all IX                   986        20.0

Potential Interfering Stations Included in above Scenario      1

33A WI MILWAUKEE          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.
34      WISN-TV      MILWAUKEE WI      BLCDT      -20050412ADP

Stations Potentially Affecting This Station

Chan  Call      City/State      Dist(km) Status Application Ref. No.
33  WITI      MILWAUKEE WI      3.5    PLN    DTVPLN      -DTVP1236
34  KQIN      DAVENPORT IA      284.1  CP MOD  BNPEDT      -20070809AAX
34  KQIN      DAVENPORT IA      275.6  PLN    DTVPLN      -DTVP1249
34  WHTV      JACKSON MI      293.0  CP MOD  BMPCDT      -20070125ACI
34  WHTV      JACKSON MI      288.2  PLN    DTVPLN      -DTVP1255
35  WNIT      SOUTH BEND IN      219.4  LIC     BLEDT      -20040106ABJ
35  WNIT      SOUTH BEND IN      219.4  PLN    DTVPLN      -DTVP1291
35  WMVT      MILWAUKEE WI      2.6    LIC     BLEDT      -20041207AAK
35  WMVT      MILWAUKEE WI      2.6    PLN    DTVPLN      -DTVP1311
33  WITI      MILWAUKEE WI      2.6    APP     USERRECORD-01

Total scenarios =      2

Result key:      11
Scenario      1 Affected station      6
Before Analysis

Results for: 34A WI MILWAUKEE      BLCDT      20050412ADP LIC
HAAT      263.0 m, ATV ERP      863.0 kW
POPULATION      AREA (sq km)
within Noise Limited Contour      2684970      23519.5
not affected by terrain losses     2661761      23386.6
lost to NTSC IX                   0          0.0

```

Figure 3

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lost to additional IX by ATV      1105      116.8
lost to ATV IX only              1105      116.8
lost to all IX                   1105      116.8

Potential Interfering Stations Included in above Scenario      1

35A WI MILWAUKEE      BLEDT      20041207AAK      LIC
33A WI MILWAUKEE      DTVPLN      DTVP1236      PLN

After Analysis

Results for: 34A WI MILWAUKEE      BLCDDT      20050412ADP      LIC
HAAT  263.0 m, ATV ERP  863.0 kW
      POPULATION      AREA (sq km)
within Noise Limited Contour      2684970      23519.5
not affected by terrain losses      2661761      23386.6
lost to NTSC IX                    0          0.0
lost to additional IX by ATV        2254      442.9
lost to ATV IX only                2254      442.9
lost to all IX                     2254      442.9

Potential Interfering Stations Included in above Scenario      1

35A WI MILWAUKEE      BLEDT      20041207AAK      LIC
33A WI MILWAUKEE      USERRECORD01      APP

Percent new IX =      0.0432%

Result key:      12
Scenario      2 Affected station      6
Before Analysis

Results for: 34A WI MILWAUKEE      BLCDDT      20050412ADP      LIC
HAAT  263.0 m, ATV ERP  863.0 kW
      POPULATION      AREA (sq km)
within Noise Limited Contour      2684970      23519.5
not affected by terrain losses      2661761      23386.6
lost to NTSC IX                    0          0.0
lost to additional IX by ATV        1105      116.8
lost to ATV IX only                1105      116.8
lost to all IX                     1105      116.8

Potential Interfering Stations Included in above Scenario      2

35A WI MILWAUKEE      DTVPLN      DTVP1311      PLN
33A WI MILWAUKEE      DTVPLN      DTVP1236      PLN

After Analysis

Results for: 34A WI MILWAUKEE      BLCDDT      20050412ADP      LIC
HAAT  263.0 m, ATV ERP  863.0 kW
      POPULATION      AREA (sq km)
within Noise Limited Contour      2684970      23519.5
not affected by terrain losses      2661761      23386.6
lost to NTSC IX                    0          0.0
lost to additional IX by ATV        2254      442.9
lost to ATV IX only                2254      442.9

```

Figure 3

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lost to all IX      2254      442.9

Potential Interfering Stations Included in above Scenario      2

35A WI MILWAUKEE      DTVPLN      DTVP1311      PLN
33A WI MILWAUKEE      USERRECORD01      APP

Percent new IX =      0.0432%

Worst case new IX      0.0432% Scenario      1

#####

Analysis of Interference to Affected Station      7

Analysis of current record
Channel      Call      City/State      Application Ref. No.
34      WISN-TV      MILWAUKEE WI      DTVPLN      -DTVPL1278

Stations Potentially Affecting This Station

Chan      Call      City/State      Dist(km) Status      Application Ref. No.
33      WITI      MILWAUKEE WI      3.5      PLN      DTVPLN      -DTVPL1236
34      KQIN      DAVENPORT IA      284.1      CP MOD      BMPEDT      -20070809AAX
34      KQIN      DAVENPORT IA      275.6      PLN      DTVPLN      -DTVPL1249
34      WHTV      JACKSON MI      293.0      CP MOD      BMPCDT      -20070125ACI
34      WHTV      JACKSON MI      288.2      PLN      DTVPLN      -DTVPL1255
35      WNIT      SOUTH BEND IN      219.4      LIC      BLEDT      -20040106ABJ
35      WNIT      SOUTH BEND IN      219.4      PLN      DTVPLN      -DTVPL1291
35      WMVT      MILWAUKEE WI      2.6      LIC      BLEDT      -20041207AAK
35      WMVT      MILWAUKEE WI      2.6      PLN      DTVPLN      -DTVPL1311
33      WITI      MILWAUKEE WI      2.6      APP      USERRECORD-01

Total scenarios =      2

Result key:      13
Scenario      1 Affected station      7
Before Analysis

Results for: 34A WI MILWAUKEE      DTVPLN      DTVPL1278      PLN
HAAT  263.0 m, ATV ERP  863.0 kW
      POPULATION      AREA (sq km)
within Noise Limited Contour      2684970      23519.5
not affected by terrain losses      2661761      23386.6
lost to NTSC IX                    0          0.0
lost to additional IX by ATV        1105      116.8
lost to ATV IX only                1105      116.8
lost to all IX                     1105      116.8

Potential Interfering Stations Included in above Scenario      1

35A WI MILWAUKEE      BLEDT      20041207AAK      LIC
33A WI MILWAUKEE      DTVPLN      DTVP1236      PLN

```

Figure 3

## After Analysis

Results for: 34A WI MILWAUKEE DTVP1278 PLN  
 HAAT 263.0 m, ATV ERP 863.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2684970	23519.5
not affected by terrain losses	2661761	23386.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2254	442.9
lost to ATV IX only	2254	442.9
lost to all IX	2254	442.9

Potential Interfering Stations Included in above Scenario 1

35A WI MILWAUKEE BLEDT 20041207AAK LIC  
 33A WI MILWAUKEE USERRECORD01 APP

Percent new IX = 0.0432%

Result key: 14  
 Scenario 2 Affected station 7  
 Before Analysis

Results for: 34A WI MILWAUKEE DTVP1278 PLN  
 HAAT 263.0 m, ATV ERP 863.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2684970	23519.5
not affected by terrain losses	2661761	23386.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1105	116.8
lost to ATV IX only	1105	116.8
lost to all IX	1105	116.8

Potential Interfering Stations Included in above Scenario 2

35A WI MILWAUKEE DTVP1311 PLN  
 33A WI MILWAUKEE DTVP1236 PLN

## After Analysis

Results for: 34A WI MILWAUKEE DTVP1278 PLN  
 HAAT 263.0 m, ATV ERP 863.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2684970	23519.5
not affected by terrain losses	2661761	23386.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2254	442.9
lost to ATV IX only	2254	442.9
lost to all IX	2254	442.9

Potential Interfering Stations Included in above Scenario 2

35A WI MILWAUKEE DTVP1311 PLN  
 33A WI MILWAUKEE USERRECORD01 APP

Percent new IX = 0.0432%

Figure 3

Worst case new IX 0.0432% Scenario 1

#####

## Analysis of Interference to Affected Station 8

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
41	WOCH-CA	CHICAGO IL	BPTTA	-20050127ALO

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
33	WITI	MILWAUKEE WI	134.3	CP MOD	BMPCDT	-20080122AOP
33	WITI	MILWAUKEE WI	134.3	PLN	DTVPLN	-DTVP1236
34	WNIT	SOUTH BEND IN	122.5	APP	BSTA	-20080307ACN
34	WNIT	SOUTH BEND IN	122.5	LIC	BLCT	-19910307KE
34	WISN-TV	MILWAUKEE WI	137.1	LIC	BLCDT	-20050412ADP
34	WISN-TV	MILWAUKEE WI	137.1	PLN	DTVPLN	-DTVP1278
38	WCPX	CHICAGO IL	2.5	LIC	BLCT	-20050715ACC
38	WGBO-TV	JOLIET IL	0.0	CP	BPCDT	-20080314AEF
38	WGBO-TV	JOLIET IL	0.0	PLN	DTVPLN	-DTVP1364
39	WQRF-TV	ROCKFORD IL	134.4	LIC	BLCT	-19960402KE
40	W40BY	PALATINE IL	2.5	LIC	BLTT	-20060419ACR
41	KGCW-TV	BURLINGTON IA	278.3	CP	BPCDT	-19991028AFB
41	KGCW-TV	BURLINGTON IA	278.3	PLN	DTVPLN	-DTVP1468
41	WICD	CHAMPAIGN IL	204.8	CP MOD	BMPCDT	-20041215AAN
41	WICD	CHAMPAIGN IL	204.8	PLN	DTVPLN	-DTVP1470
41	WOTV	BATTLE CREEK MI	192.4	LIC	BLCT	-19961120KE
41	WXYZ-TV	DETROIT MI	365.7	LIC	BLCDT	-20030325ABI
41	WXYZ-TV	DETROIT MI	365.7	PLN	DTVPLN	-DTVP1476
41	WXYZ-TV	DETROIT MI	365.7	CP	BPCDT	-20080228AAC
41	WHIO-TV	DAYTON OH	372.1	LIC	BLCDT	-20040614AEY
41	WHIO-TV	DAYTON OH	372.1	PLN	DTVPLN	-DTVP1480
41	WGBA	GREEN BAY WI	274.9	CP MOD	BMPCDT	-20080207AAN
41	WGBA	GREEN BAY WI	274.9	PLN	DTVPLN	-DTVP1488
41	WMLW-CA	MILWAUKEE WI	137.1	LIC	BLTTA	-20021002AAA
41	WMLW-CA	MILWAUKEE WI	137.1	STA	BSTA	-20000714AAU
42	W64CQ	ARLINGTON HEIGHTS IL	39.8	CP	BDISTT	-20070709ACL
42	WNDU-TV	SOUTH BEND IN	121.4	LIC	BLCDT	-20060717AAG
42	WNDU-TV	SOUTH BEND IN	121.4	PLN	DTVPLN	-DTVP1502
43	WCPX	CHICAGO IL	2.5	LIC	BLCDT	-20010226ABH
43	WCPX	CHICAGO IL	2.5	PLN	DTVPLN	-DTVP1536
44	WSNS-TV	CHICAGO IL	2.5	LIC	BLCT	-20000110AAU
45	WSNS-TV	CHICAGO IL	2.5	LIC	BLCDT	-20010612AIB
45	WSNS-TV	CHICAGO IL	2.5	PLN	DTVPLN	-DTVP1611
48	WHME-TV	SOUTH BEND IN	125.9	LIC	BLCDT	-20060109ABG
48	WHME-TV	SOUTH BEND IN	125.9	PLN	DTVPLN	-DTVP1708
48	WBME-TV	RACINE WI	137.1	CP MOD	BMPCDT	-20070921ACR
48	WJJA	RACINE WI	134.1	PLN	DTVPLN	-DTVP1726
48	WBME-TV	RACINE WI	107.8	LIC	BMLCDT	-20070823AED
55	WPXE	KENOSHA WI	99.8	LIC	BLCT	-19970707KE
56	WYIN	GARY IN	2.5	APP	BPET	-20010716AAS
56	WYIN	GARY IN	63.9	LIC	BMLET	-20050811AAD
33	WITI	MILWAUKEE WI	135.0	APP	USERRECORD-01	

Figure 3

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.
41	WOCH-CA	CHICAGO IL	BSTA -20060109ACO

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
33	WITI	MILWAUKEE WI	134.3	CP MOD	BMPCDT -20080122AOP
33	WITI	MILWAUKEE WI	134.3	PLN	DTVPLN -DTVPI236
34	WNIT	SOUTH BEND IN	122.5	APP	BSTA -20080307ACN
34	WNIT	SOUTH BEND IN	122.5	LIC	BLET -19910307KE
34	WISN-TV	MILWAUKEE WI	137.1	LIC	BLCDT -20050412ADP
34	WISN-TV	MILWAUKEE WI	137.1	PLN	DTVPLN -DTVPI278
38	WCPX	CHICAGO IL	2.5	LIC	BLCT -20050715ACC
38	WGB0-TV	JOLIET IL	0.0	CP	BPCDT -20080314AEF
38	WGB0-TV	JOLIET IL	0.0	PLN	DTVPLN -DTVPI364
39	WQRF-TV	ROCKFORD IL	134.4	LIC	BLCT -19960402KE
40	W40BY	PALATINE IL	2.5	LIC	BLTT -20060419ACR
41	KGCW-TV	BURLINGTON IA	278.3	CP	BPCDT -19991028AFB
41	KGCW-TV	BURLINGTON IA	278.3	PLN	DTVPLN -DTVPI468
41	WICD	CHAMPAIGN IL	204.8	CP MOD	BMPCDT -20041215AAN
41	WICD	CHAMPAIGN IL	204.8	PLN	DTVPLN -DTVPI470
41	WOTV	BATTLE CREEK MI	192.4	LIC	BLCT -19961120KE
41	WXYZ-TV	DETROIT MI	365.7	LIC	BLCDT -20030325ABI
41	WXYZ-TV	DETROIT MI	365.7	PLN	DTVPLN -DTVPI476
41	WXYZ-TV	DETROIT MI	365.7	CP	BPCDT -20080228AAC
41	WHIO-TV	DAYTON OH	372.1	LIC	BLCDT -20040614AEY
41	WHIO-TV	DAYTON OH	372.1	PLN	DTVPLN -DTVPI480
41	WGBA	GREEN BAY WI	274.9	CP MOD	BMPCDT -20080207AAN
41	WGBA	GREEN BAY WI	274.9	PLN	DTVPLN -DTVPI488
41	WMLW-CA	MILWAUKEE WI	137.1	LIC	BLTTA -20021002AAA
41	WMLW-CA	MILWAUKEE WI	137.1	STA	BSTA -20000714AAU
42	W64CQ	ARLINGTON HEIGHTS IL	39.8	CP	BDISTT -20070709ACL
42	WNDU-TV	SOUTH BEND IN	121.4	LIC	BLCDT -20060717AAG
42	WNDU-TV	SOUTH BEND IN	121.4	PLN	DTVPLN -DTVPI502
43	WCPX	CHICAGO IL	2.5	LIC	BLCDT -20010226ABH
43	WCPX	CHICAGO IL	2.5	PLN	DTVPLN -DTVPI536
44	WSNS-TV	CHICAGO IL	2.5	LIC	BLCT -20000110AAU
45	WSNS-TV	CHICAGO IL	2.5	LIC	BLCDT -20010612AIB
45	WSNS-TV	CHICAGO IL	2.5	PLN	DTVPLN -DTVPI611
48	WHME-TV	SOUTH BEND IN	125.9	LIC	BLCDT -20060109ABG
48	WHME-TV	SOUTH BEND IN	125.9	PLN	DTVPLN -DTVPI708
48	WBME-TV	RACINE WI	137.1	CP MOD	BMPCDT -20070921ACR
48	WJJA	RACINE WI	134.1	PLN	DTVPLN -DTVPI726
48	WBME-TV	RACINE WI	107.8	LIC	BLMCDT -20070823AED
55	WPXE	KENOSHA WI	99.8	LIC	BLCT -19970707KE
56	WYIN	GARY IN	2.5	APP	BPET -20010716AAS

Figure 3

56	WYIN	GARY IN	63.9	LIC	BMLET -20050811AAD
33	WITI	MILWAUKEE WI	135.0	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.
41	WOCH-CA	CHICAGO IL	BLTTA -20060103ACT

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
33	WITI	MILWAUKEE WI	134.3	CP MOD	BMPCDT -20080122AOP
33	WITI	MILWAUKEE WI	134.3	PLN	DTVPLN -DTVPI236
34	WNIT	SOUTH BEND IN	122.5	APP	BSTA -20080307ACN
34	WNIT	SOUTH BEND IN	122.5	LIC	BLET -19910307KE
34	WISN-TV	MILWAUKEE WI	137.1	LIC	BLCDT -20050412ADP
34	WISN-TV	MILWAUKEE WI	137.1	PLN	DTVPLN -DTVPI278
38	WGB0-TV	JOLIET IL	0.0	CP	BPCDT -20080314AEF
38	WGB0-TV	JOLIET IL	0.0	PLN	DTVPLN -DTVPI364
40	W40BY	PALATINE IL	2.5	LIC	BLTT -20060419ACR
41	KGCW-TV	BURLINGTON IA	278.3	CP	BPCDT -19991028AFB
41	KGCW-TV	BURLINGTON IA	278.3	PLN	DTVPLN -DTVPI468
41	WICD	CHAMPAIGN IL	204.8	CP MOD	BMPCDT -20041215AAN
41	WICD	CHAMPAIGN IL	204.8	PLN	DTVPLN -DTVPI470
41	WOTV	BATTLE CREEK MI	192.4	LIC	BLCT -19961120KE
41	WXYZ-TV	DETROIT MI	365.7	LIC	BLCDT -20030325ABI
41	WXYZ-TV	DETROIT MI	365.7	PLN	DTVPLN -DTVPI476
41	WXYZ-TV	DETROIT MI	365.7	CP	BPCDT -20080228AAC
41	WHIO-TV	DAYTON OH	372.1	LIC	BLCDT -20040614AEY
41	WHIO-TV	DAYTON OH	372.1	PLN	DTVPLN -DTVPI480
41	WGBA	GREEN BAY WI	274.9	CP MOD	BMPCDT -20080207AAN
41	WGBA	GREEN BAY WI	274.9	PLN	DTVPLN -DTVPI488
41	WMLW-CA	MILWAUKEE WI	137.1	LIC	BLTTA -20021002AAA
41	WMLW-CA	MILWAUKEE WI	137.1	STA	BSTA -20000714AAU
42	W64CQ	ARLINGTON HEIGHTS IL	39.8	CP	BDISTT -20070709ACL
42	WNDU-TV	SOUTH BEND IN	121.4	LIC	BLCDT -20060717AAG
42	WNDU-TV	SOUTH BEND IN	121.4	PLN	DTVPLN -DTVPI502
43	WCPX	CHICAGO IL	2.5	LIC	BLCDT -20010226ABH
43	WCPX	CHICAGO IL	2.5	PLN	DTVPLN -DTVPI536
45	WSNS-TV	CHICAGO IL	2.5	LIC	BLCDT -20010612AIB
45	WSNS-TV	CHICAGO IL	2.5	PLN	DTVPLN -DTVPI611
48	WHME-TV	SOUTH BEND IN	125.9	LIC	BLCDT -20060109ABG
48	WHME-TV	SOUTH BEND IN	125.9	PLN	DTVPLN -DTVPI708
48	WBME-TV	RACINE WI	137.1	CP MOD	BMPCDT -20070921ACR
48	WJJA	RACINE WI	134.1	PLN	DTVPLN -DTVPI726
48	WBME-TV	RACINE WI	107.8	LIC	BLMCDT -20070823AED
55	WPXE	KENOSHA WI	99.8	LIC	BLCT -19970707KE
56	WYIN	GARY IN	2.5	APP	BPET -20010716AAS
56	WYIN	GARY IN	63.9	LIC	BMLET -20050811AAD

Figure 3

33 WITI MILWAUKEE WI 135.0 APP USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 11

Analysis of current record

Channel	Call	City/State	Application Ref. No.
41	WMLW-CA	MILWAUKEE WI	BLTTA -20021002AAA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
33	WITI	MILWAUKEE WI	3.6	CP MOD	BMPCDT -20080122AOP
33	WITI	MILWAUKEE WI	3.7	PLN	DTVPLN -DTVP1236
34	WISN-TV	MILWAUKEE WI	0.2	LIC	BLCDT -20050412ADP
34	WISN-TV	MILWAUKEE WI	0.2	PLN	DTVPLN -DTVP1278
38	WGBO-TV	JOLIET IL	137.1	CP	BPCDT -20080314AEF
38	WGBO-TV	JOLIET IL	137.1	PLN	DTVPLN -DTVP1364
39	WFRV-TV	GREEN BAY WI	135.9	LIC	BLCDT -20051004ABD
39	WFRV-TV	GREEN BAY WI	135.9	PLN	DTVPLN -DTVP1423
40	WPXE	KENOSHA WI	2.8	LIC	BLCDT -20040206AAT
40	WPXE	KENOSHA WI	2.8	PLN	DTVPLN -DTVP1458
41	KGCW-TV	BURLINGTON IA	323.3	CP	BPCDT -19991028AFB
41	KGCW-TV	BURLINGTON IA	323.3	PLN	DTVPLN -DTVP1468
41	WICD	CHAMPAIGN IL	338.1	CP MOD	BMPCDT -20041215AAN
41	WICD	CHAMPAIGN IL	338.1	PLN	DTVPLN -DTVP1470
41	WOCH-CA	CHICAGO IL	137.1	APP	BPTTA -20050127ALO
41	WOCH-CA	CHICAGO IL	137.1	APP	BSTA -20060109ACO
41	WOCH-CA	CHICAGO IL	137.1	LIC	BLTTA -20060103ACT
41	WOTV	BATTLE CREEK MI	209.4	LIC	BLCT -19961120KE
41	WXYZ-TV	DETROIT MI	388.3	LIC	BLCDT -20030325ABI
41	WXYZ-TV	DETROIT MI	388.3	PLN	DTVPLN -DTVP1476
41	WXYZ-TV	DETROIT MI	388.3	CP	BPCDT -20080228AAC
41	WGBA	GREEN BAY WI	138.6	CP MOD	BMPCDT -20080207AAN
41	WGBA	GREEN BAY WI	138.6	PLN	DTVPLN -DTVP1488
43	WCPX	CHICAGO IL	139.1	LIC	BLCDT -20010226ABH
43	WCPX	CHICAGO IL	139.1	PLN	DTVPLN -DTVP1536
43	WWSR-TV	MAYVILLE WI	60.2	LIC	BLCDT -20050825AEW
43	WWSR-TV	MAYVILLE WI	60.2	PLN	DTVPLN -DTVP1561
44	WWAZ-TV	FOND DU LAC WI	60.3	CP MOD	BMPCDT -20040209ABG
44	WWAZ-TV	FOND DU LAC WI	60.3	PLN	DTVPLN -DTVP1601
45	WSNS-TV	CHICAGO IL	139.1	LIC	BLCDT -20010612AIB
45	WSNS-TV	CHICAGO IL	139.1	PLN	DTVPLN -DTVP1611
48	WBME-TV	RACINE WI	0.0	CP MOD	BMPCDT -20070921ACR
48	WJJA	RACINE WI	3.6	PLN	DTVPLN -DTVP1726
48	WBME-TV	RACINE WI	29.4	LIC	BMLCDT -20070823AED
55	WPXE	KENOSHA WI	39.1	LIC	BLCT -19970707KE
56	WYIN	GARY IN	139.1	APP	BPET -20010716AAS
33	WITI	MILWAUKEE WI	2.8	APP	USERRECORD-01

Total scenarios = 8

Figure 3

Result key: 15  
Scenario 1 Affected station 11  
Before Analysis

Results for: 41N WI MILWAUKEE BLTTA 20021002AAA LIC

	POPULATION	AREA (sq km)
within Noise Limited Contour	1291096	2318.9
not affected by terrain losses	1290330	2310.8
lost to NTSC IX	19669	12.1
lost to additional IX by ATV	641522	1203.7
lost to all IX	661191	1215.8

Potential Interfering Stations Included in above Scenario 1

41N MI BATTLE CREEK	BLCT	19961120KE	LIC
40A WI KENOSHA	BLCDT	20040206AAT	LIC
41A WI GREEN BAY	BMPCDT	20080207AAN	CP

After Analysis

Results for: 41N WI MILWAUKEE BLTTA 20021002AAA LIC

	POPULATION	AREA (sq km)
within Noise Limited Contour	1291096	2318.9
not affected by terrain losses	1290330	2310.8
lost to NTSC IX	19669	12.1
lost to additional IX by ATV	641522	1203.7
lost to all IX	661191	1215.8

Potential Interfering Stations Included in above Scenario 1

41N MI BATTLE CREEK	BLCT	19961120KE	LIC
40A WI KENOSHA	BLCDT	20040206AAT	LIC
41A WI GREEN BAY	BMPCDT	20080207AAN	CP
33A WI MILWAUKEE	USERRECORD01		APP

Percent new IX = 0.0000%

Result key: 16  
Scenario 2 Affected station 11  
Before Analysis

Results for: 41N WI MILWAUKEE BLTTA 20021002AAA LIC

	POPULATION	AREA (sq km)
within Noise Limited Contour	1291096	2318.9
not affected by terrain losses	1290330	2310.8
lost to NTSC IX	19669	12.1
lost to additional IX by ATV	642166	1207.8
lost to all IX	661835	1219.8

Potential Interfering Stations Included in above Scenario 2

41N MI BATTLE CREEK	BLCT	19961120KE	LIC
40A WI KENOSHA	BLCDT	20040206AAT	LIC
41A WI GREEN BAY	DTVPLN	DTVP1488	PLN



Figure 3

## After Analysis

Results for: 41N WI MILWAUKEE	BLTTA	20021002AAA	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1291096	2318.9	
not affected by terrain losses	1290330	2310.8	
lost to NTSC IX	19669	12.1	
lost to additional IX by ATV	642166	1207.8	
lost to all IX	661835	1219.8	

Potential Interfering Stations Included in above Scenario 2

41N MI BATTLE CREEK	BLCT	19961120KE	LIC
40A WI KENOSHA	BLCDDT	20040206AAT	LIC
41A WI GREEN BAY	DTVPLN	DTVP1488	PLN
33A WI MILWAUKEE	USERRECORD01		APP

Percent new IX = 0.0000%

Result key: 17  
 Scenario 3 Affected station 11  
 Before Analysis

Results for: 41N WI MILWAUKEE	BLTTA	20021002AAA	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1291096	2318.9	
not affected by terrain losses	1290330	2310.8	
lost to NTSC IX	19669	12.1	
lost to additional IX by ATV	641522	1203.7	
lost to all IX	661191	1215.8	

Potential Interfering Stations Included in above Scenario 3

41N MI BATTLE CREEK	BLCT	19961120KE	LIC
40A WI KENOSHA	DTVPLN	DTVP1458	PLN
41A WI GREEN BAY	BMPCDDT	20080207AAN	CP

## After Analysis

Results for: 41N WI MILWAUKEE	BLTTA	20021002AAA	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1291096	2318.9	
not affected by terrain losses	1290330	2310.8	
lost to NTSC IX	19669	12.1	
lost to additional IX by ATV	641522	1203.7	
lost to all IX	661191	1215.8	

Potential Interfering Stations Included in above Scenario 3

41N MI BATTLE CREEK	BLCT	19961120KE	LIC
40A WI KENOSHA	DTVPLN	DTVP1458	PLN
41A WI GREEN BAY	BMPCDDT	20080207AAN	CP
33A WI MILWAUKEE	USERRECORD01		APP

Percent new IX = 0.0000%

Result key: 18

Figure 3

Scenario 4 Affected station 11  
 Before Analysis

Results for: 41N WI MILWAUKEE	BLTTA	20021002AAA	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1291096	2318.9	
not affected by terrain losses	1290330	2310.8	
lost to NTSC IX	19669	12.1	
lost to additional IX by ATV	642166	1207.8	
lost to all IX	661835	1219.8	

Potential Interfering Stations Included in above Scenario 4

41N MI BATTLE CREEK	BLCT	19961120KE	LIC
40A WI KENOSHA	DTVPLN	DTVP1458	PLN
41A WI GREEN BAY	DTVPLN	DTVP1488	PLN

## After Analysis

Results for: 41N WI MILWAUKEE	BLTTA	20021002AAA	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1291096	2318.9	
not affected by terrain losses	1290330	2310.8	
lost to NTSC IX	19669	12.1	
lost to additional IX by ATV	642166	1207.8	
lost to all IX	661835	1219.8	

Potential Interfering Stations Included in above Scenario 4

41N MI BATTLE CREEK	BLCT	19961120KE	LIC
40A WI KENOSHA	DTVPLN	DTVP1458	PLN
41A WI GREEN BAY	DTVPLN	DTVP1488	PLN
33A WI MILWAUKEE	USERRECORD01		APP

Percent new IX = 0.0000%

Result key: 19  
 Scenario 5 Affected station 11  
 Before Analysis

Results for: 41N WI MILWAUKEE	BLTTA	20021002AAA	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1291096	2318.9	
not affected by terrain losses	1290330	2310.8	
lost to NTSC IX	21549	16.1	
lost to additional IX by ATV	639642	1199.7	
lost to all IX	661191	1215.8	

Potential Interfering Stations Included in above Scenario 5

41N IL CHICAGO	BPTTA	20050127ALO	APP
41N MI BATTLE CREEK	BLCT	19961120KE	LIC
40A WI KENOSHA	BLCDDT	20040206AAT	LIC
41A WI GREEN BAY	BMPCDDT	20080207AAN	CP

## After Analysis

Figure 3

Results for: 41N WI MILWAUKEE      BLTTA      20021002AAA    LIC  
    POPULATION    AREA (sq km)  
     within Noise Limited Contour      1291096      2318.9  
     not affected by terrain losses      1290330      2310.8  
     lost to NTSC IX      21549      16.1  
     lost to additional IX by ATV      639642      1199.7  
     lost to all IX      661191      1215.8

Potential Interfering Stations Included in above Scenario      5

41N IL CHICAGO	BPTTA	20050127ALO	APP
41N MI BATTLE CREEK	BLCT	19961120KE	LIC
40A WI KENOSHA	BLCDT	20040206AAT	LIC
41A WI GREEN BAY	BMPCDT	20080207AAN	CP
33A WI MILWAUKEE	USERRECORD01		APP

Percent new IX =      0.0000%

Result key:      20  
 Scenario      6    Affected station      11  
 Before Analysis

Results for: 41N WI MILWAUKEE      BLTTA      20021002AAA    LIC  
    POPULATION    AREA (sq km)  
     within Noise Limited Contour      1291096      2318.9  
     not affected by terrain losses      1290330      2310.8  
     lost to NTSC IX      21549      16.1  
     lost to additional IX by ATV      640286      1203.7  
     lost to all IX      661835      1219.8

Potential Interfering Stations Included in above Scenario      6

41N IL CHICAGO	BPTTA	20050127ALO	APP
41N MI BATTLE CREEK	BLCT	19961120KE	LIC
40A WI KENOSHA	BLCDT	20040206AAT	LIC
41A WI GREEN BAY	DTVPLN	DTVP1488	PLN

After Analysis

Results for: 41N WI MILWAUKEE      BLTTA      20021002AAA    LIC  
    POPULATION    AREA (sq km)  
     within Noise Limited Contour      1291096      2318.9  
     not affected by terrain losses      1290330      2310.8  
     lost to NTSC IX      21549      16.1  
     lost to additional IX by ATV      640286      1203.7  
     lost to all IX      661835      1219.8

Potential Interfering Stations Included in above Scenario      6

41N IL CHICAGO	BPTTA	20050127ALO	APP
41N MI BATTLE CREEK	BLCT	19961120KE	LIC
40A WI KENOSHA	BLCDT	20040206AAT	LIC
41A WI GREEN BAY	DTVPLN	DTVP1488	PLN
33A WI MILWAUKEE	USERRECORD01		APP

Percent new IX =      0.0000%

Figure 3

Result key:      21  
 Scenario      7    Affected station      11  
 Before Analysis

Results for: 41N WI MILWAUKEE      BLTTA      20021002AAA    LIC  
    POPULATION    AREA (sq km)  
     within Noise Limited Contour      1291096      2318.9  
     not affected by terrain losses      1290330      2310.8  
     lost to NTSC IX      21549      16.1  
     lost to additional IX by ATV      639642      1199.7  
     lost to all IX      661191      1215.8

Potential Interfering Stations Included in above Scenario      7

41N IL CHICAGO	BPTTA	20050127ALO	APP
41N MI BATTLE CREEK	BLCT	19961120KE	LIC
40A WI KENOSHA	DTVPLN	DTVP1458	PLN
41A WI GREEN BAY	BMPCDT	20080207AAN	CP

After Analysis

Results for: 41N WI MILWAUKEE      BLTTA      20021002AAA    LIC  
    POPULATION    AREA (sq km)  
     within Noise Limited Contour      1291096      2318.9  
     not affected by terrain losses      1290330      2310.8  
     lost to NTSC IX      21549      16.1  
     lost to additional IX by ATV      639642      1199.7  
     lost to all IX      661191      1215.8

Potential Interfering Stations Included in above Scenario      7

41N IL CHICAGO	BPTTA	20050127ALO	APP
41N MI BATTLE CREEK	BLCT	19961120KE	LIC
40A WI KENOSHA	DTVPLN	DTVP1458	PLN
41A WI GREEN BAY	BMPCDT	20080207AAN	CP
33A WI MILWAUKEE	USERRECORD01		APP

Percent new IX =      0.0000%

Result key:      22  
 Scenario      8    Affected station      11  
 Before Analysis

Results for: 41N WI MILWAUKEE      BLTTA      20021002AAA    LIC  
    POPULATION    AREA (sq km)  
     within Noise Limited Contour      1291096      2318.9  
     not affected by terrain losses      1290330      2310.8  
     lost to NTSC IX      21549      16.1  
     lost to additional IX by ATV      640286      1203.7  
     lost to all IX      661835      1219.8

Potential Interfering Stations Included in above Scenario      8

41N IL CHICAGO	BPTTA	20050127ALO	APP
41N MI BATTLE CREEK	BLCT	19961120KE	LIC
40A WI KENOSHA	DTVPLN	DTVP1458	PLN
41A WI GREEN BAY	DTVPLN	DTVP1488	PLN

Figure 3

## After Analysis

Results for: 41N WI MILWAUKEE      BLTTA      20021002AAA      LIC

	POPULATION	AREA (sq km)
within Noise Limited Contour	1291096	2318.9
not affected by terrain losses	1290330	2310.8
lost to NTSC IX	21549	16.1
lost to additional IX by ATV	640286	1203.7
lost to all IX	661835	1219.8

Potential Interfering Stations Included in above Scenario      8

41N IL CHICAGO	BPTTA	20050127ALO	APP
41N MI BATTLE CREEK	BLCT	19961120KE	LIC
40A WI KENOSHA	DTVPLN	DTVP1458	PLN
41A WI GREEN BAY	DTVPLN	DTVP1488	PLN
33A WI MILWAUKEE	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      12

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
33	WITI	MILWAUKEE WI	USERRECORD-01

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
32	WBWU	JANESVILLE WI	128.6	LIC	BLCDDT -20040930BHL
32	WBWU	JANESVILLE WI	128.6	PLN	DTVPLN -DTVP1204
34	WISN-TV	MILWAUKEE WI	2.6	LIC	BLCDDT -20050412ADP
34	WISN-TV	MILWAUKEE WI	2.6	PLN	DTVPLN -DTVP1278

Total scenarios =      4

Result key:      23  
Scenario      1 Affected station      12  
Before Analysis

Results for: 33A WI MILWAUKEE      USERRECORD01      APP

HAAT	358.0 m, ATV ERP 1000.0 kW
	POPULATION      AREA (sq km)
within Noise Limited Contour	3127477      33532.9
not affected by terrain losses	3119043      33371.8
lost to NTSC IX	0      0.0
lost to additional IX by ATV	24924      430.9
lost to ATV IX only	24924      430.9
lost to all IX	24924      430.9

Figure 3

Potential Interfering Stations Included in above Scenario      1

32A WI JANESVILLE	BLCDDT	20040930BHL	LIC
34A WI MILWAUKEE	BLCDDT	20050412ADP	LIC

Result key:      24  
Scenario      2 Affected station      12  
Before Analysis

Results for: 33A WI MILWAUKEE      USERRECORD01      APP

HAAT	358.0 m, ATV ERP 1000.0 kW
	POPULATION      AREA (sq km)
within Noise Limited Contour	3127477      33532.9
not affected by terrain losses	3119043      33371.8
lost to NTSC IX	0      0.0
lost to additional IX by ATV	24924      430.9
lost to ATV IX only	24924      430.9
lost to all IX	24924      430.9

Potential Interfering Stations Included in above Scenario      2

32A WI JANESVILLE	BLCDDT	20040930BHL	LIC
34A WI MILWAUKEE	DTVPLN	DTVP1278	PLN

Result key:      25  
Scenario      3 Affected station      12  
Before Analysis

Results for: 33A WI MILWAUKEE      USERRECORD01      APP

HAAT	358.0 m, ATV ERP 1000.0 kW
	POPULATION      AREA (sq km)
within Noise Limited Contour	3127477      33532.9
not affected by terrain losses	3119043      33371.8
lost to NTSC IX	0      0.0
lost to additional IX by ATV	24924      430.9
lost to ATV IX only	24924      430.9
lost to all IX	24924      430.9

Potential Interfering Stations Included in above Scenario      3

32A WI JANESVILLE	DTVPLN	DTVP1204	PLN
34A WI MILWAUKEE	BLCDDT	20050412ADP	LIC

Result key:      26  
Scenario      4 Affected station      12  
Before Analysis

Results for: 33A WI MILWAUKEE      USERRECORD01      APP

HAAT	358.0 m, ATV ERP 1000.0 kW
	POPULATION      AREA (sq km)
within Noise Limited Contour	3127477      33532.9
not affected by terrain losses	3119043      33371.8
lost to NTSC IX	0      0.0
lost to additional IX by ATV	24924      430.9
lost to ATV IX only	24924      430.9
lost to all IX	24924      430.9

**Figure 3**

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Potential Interfering Stations Included in above Scenario      4

32A WI JANESVILLE      DTVPLN      DTVP1204      PLN
34A WI MILWAUKEE        DTVPLN      DTVP1278      PLN

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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED
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