

Percent allowed new interference: 0.500  
Percent allowed new interference to non Class A LPTV: 2.000  
TW Census data selected 2000  
Data Base Selected  
/space/software/cdbs/pt\_tvdb.sff

WARNING WARNING WARNING

The following list of station records has been excluded from the analysis due to the fact that they have the same state, city and channel as the proposed station - This could cause the program to not find a potential fail situation

You can force the program to include these records by setting the state of the proposed record to ZZ and re-running the analysis

WMVS	08 MILWAUKEE	WI BMPEDT	20100730ABN
WMVS	08 MILWAUKEE	WI BPEDT	20090310ADU
WMVS	08 MILWAUKEE	WI BLEDT	20041207AAL

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 05-08-2012 Time: 17:34:13

Record Selected for Analysis

WMVS USERRECORD-01 MILWAUKEE WI US  
Channel 08 ERP 32. kW HAAT 164. m RCAMSL 00363 m  
Latitude 043-05-46 Longitude 0087-54-15  
Status APP Zone 1 Border Site number: 01  
Dir Antenna Make CDB Model 00000000105026 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 (site # 01) does not meet maximum height/power limits  
Channel 8 ERP = 32.00 HAAT = 164.

Site number	1		
Azimuth	ERP	HAAT	36.0 dBu F(50,90)
(Deg)	(kW)	(m)	(km)
0.0	21.622	161.8	88.7
45.0	16.382	186.0	88.8
90.0	2.316	186.0	74.3
135.0	10.089	183.6	85.3
180.0	31.808	165.9	91.7
225.0	23.777	142.3	87.4
270.0	20.480	142.0	86.4
315.0	16.635	145.6	85.4

Evaluation toward Class A Stations from site # 01

Station inside contour of Class A station  
WMKE-CA 7 MILWAUKEE WI BLTVL 20000630AEP

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

WMVS 08 MILWAUKEE WI USERRECORD01 Site # 01

and station

SHORT TO: WMMT 08 KALAMAZOO MI BLCDT 20090616AAV  
042-37-56 0085-32-16  
Req. separation 244.6 Actual separation 200.1 Short 44.5 km

SHORT TO: WMVS 08 MILWAUKEE WI DTVPLN DTV0163  
43 -05-46 87 -54-15  
Req. separation 244.6 Actual separation 0.0 Short 244.6 km

Checks to Site Number 01

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

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	Proposed Station Call	City/State	ARN
08	WMVS	MILWAUKEE WI	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
07	WOOD-TV	GRAND RAPIDS MI	200.2	LIC	BLCDDT 20040625ABO
07	WMKE-CA	MILWAUKEE WI	6.5	LIC	BLTVL 20000630AEP
08	951215KK	GALESBURG IL	284.3	CP MOD	BMPDDT 20110302ABZ
08	WIIH-CD	INDIANAPOLIS IN	383.3	LIC	BLDVL 20090902ACB
08	WDHS	IRON MOUNTAIN MI	302.9	LIC	BLCDDT 20090612AKA
08	WMTT	KALAMAZOO MI	199.6	LIC	BLCDDT 20090616AAV
08	WLIO	LIMA OH	406.7	LIC	BLCDDT 20070305ABB
08	WKBT-DT	LA CROSSE WI	297.7	LIC	BLCDDT 20090507ACT

%%%

Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application Ref. No.
07	WOOD-TV	GRAND RAPIDS MI	BLCDDT -20040625ABO

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
07	WJBK	DETROIT MI	189.6	LIC	BLCDDT -20090813ABG
07	WSAW-TV	WAUSAU WI	417.2	LIC	BLCDDT -20090227ABN
07	WSAW-TV	WAUSAU WI	417.2	CP MOD	BMPDDT -20080620AKR
08	WMTT	KALAMAZOO MI	6.5	LIC	BLCDDT -20090616AAV
08	WMVS	MILWAUKEE WI	200.2	PLN	DTVPLN -DTVPO163
08	WMVS	MILWAUKEE WI	200.2	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application Ref. No.
07	WMKE-CA	MILWAUKEE WI	BLTVL -20000630AEP

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
07	KWWL	WATERLOO IA	328.3	LIC	BLCDDT -20100707AXT
07	WJBK	DETROIT MI	389.2	LIC	BLCDDT -20090813ABG
07	WOOD-TV	GRAND RAPIDS MI	200.1	LIC	BLCDDT -20040625ABO
07	WSAW-TV	WAUSAU WI	252.7	LIC	BLCDDT -20090227ABN
07	WSAW-TV	WAUSAU WI	252.7	CP MOD	BMPDDT -20080620AKR
08	WMVS	MILWAUKEE WI	6.5	PLN	DTVPLN -DTVPO163
08	WMVS	MILWAUKEE WI	6.5	APP	USERRECORD-01

Total scenarios = 1

Result key:

Scenario 1 Affected station 2

Before Analysis

Results for: 7N WI MILWAUKEE BLTVL 20000630AEP LIC

	POPULATION	AREA (sq km)
within Noise Limited Contour	740309	539.6
not affected by terrain losses	724233	535.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	32039	36.2
lost to all IX	32039	36.2

Potential Interfering Stations Included in above Scenario 1

7A MI GRAND RAPIDS	BLC DT	20040625AB0	LIC
8A WI MILWAUKEE	DTVPLN	DTVP0163	PLN

After Analysis

Results for: 7N WI MILWAUKEE BLTVL 20000630AEP LIC

	POPULATION	AREA (sq km)
within Noise Limited Contour	740309	539.6
not affected by terrain losses	724233	535.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	55576	68.5
lost to all IX	55576	68.5

Potential Interfering Stations Included in above Scenario 1

7A MI GRAND RAPIDS	BLC DT	20040625AB0	LIC
8A WI MILWAUKEE	USERRECORD01		APP

The following station failed the de minimis interference criteria.

8D WI MILWAUKEE USERRECORD01  
 ERP 32.00 kW HAAT 164.0 m RCAMSL 363.0 m  
 Antenna CDB 00000000105026

Due to interference to the following station and scenario: 1

7N WI MILWAUKEE BLTVL 20000630AEP  
 ERP 3.00 kW HAAT 186.0 m RCAMSL 366.0 m  
 Antenna CDB 00000000022579

Percent new DTV interference from proposal: 3.1793 BLTVL 20000630AEP

Worst case new IX 3.1793% Scenario 1

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	951215KK	GALESBURG IL	BMPCDT	-20110302ABZ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KWWL	WATERLOO IA	171.2	LIC	BLC DT	-20100707AXT
07	KHQA-TV	HANNIBAL MO	169.2	LIC	BLC DT	-20090622AFC
08	KCCI	DES MOINES IA	275.2	LIC	BLC DT	-20090619AAG
08	WSIU-TV	CARBONDALE IL	369.7	LIC	BLE DT	-20090612ADB
08	WMMT	KALAMAZOO MI	426.1	LIC	BLC DT	-20090616AAV
08	KOMU-TV	COLUMBIA MO	313.4	APP	BPC DT	-20090721AAU
08	KOMU-TV	COLUMBIA MO	313.4	LIC	BLC DT	-20090612AFB
08	WKBT-DT	LA CROSSE WI	318.6	LIC	BLC DT	-20090507ACT
08	WMVS	MILWAUKEE WI	284.3	PLN	DTVPLN	-DTVP0163
09	KCRG-TV	CEDAR RAPIDS IA	165.7	LIC	BLC DT	-20090612AJN
09	KCRG-TV	CEDAR RAPIDS IA	165.7	CP	BPC DT	-20110725ADB
09	WILL-TV	URBANA IL	202.0	APP	BPEDT	-20100406ABJ
09	WILL-TV	URBANA IL	202.0	LIC	BLE DT	-20050920AEE
08	WMVS	MILWAUKEE WI	284.3	APP	USERRECORD-01	

Total scenarios = 4

Result key: 2

Scenario 1 Affected station 3

Before Analysis

Results for: 8A IL GALESBURG BMPCDT 20110302ABZ CP  
 HAAT 330.0 m, ATV ERP 23.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	947473	28923.3
not affected by terrain losses	914455	28383.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	12723	520.1
lost to ATV IX only	12723	520.1
lost to all IX	12723	520.1

Potential Interfering Stations Included in above Scenario 1

7A IA WATERLOO	BLC DT	20100707AXT	LIC
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8A IA DES MOINES	BLC DT	20090619AAG	LIC
8A IL CARBONDALE	BLED T	20090612ADB	LIC
8A MO COLUMBIA	BLC DT	20090612AFB	LIC
8A WI LA CROSSE	BLC DT	20090507ACT	LIC
9A IA CEDAR RAPIDS	BLC DT	20090612AJN	LIC
8A WI MILWAUKEE	DTVPLN	DTVP0163	PLN

#### After Analysis

Results for: 8A IL GALESBURG      BMPCDT      20110302ABZ      CP

HAAT 330.0 m, ATV ERP 23.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	947473	28923.3
not affected by terrain losses	914455	28383.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	12541	484.1
lost to ATV IX only	12541	484.1
lost to all IX	12541	484.1

Potential Interfering Stations Included in above Scenario 1

7A IA WATERLOO	BLC DT	20100707AXT	LIC
8A IA DES MOINES	BLC DT	20090619AAG	LIC
8A IL CARBONDALE	BLED T	20090612ADB	LIC
8A MO COLUMBIA	BLC DT	20090612AFB	LIC
8A WI LA CROSSE	BLC DT	20090507ACT	LIC
9A IA CEDAR RAPIDS	BLC DT	20090612AJN	LIC
8A WI MILWAUKEE	USERRECORD01		APP

Percent new IX = -0.0202%

Result key: 3  
 Scenario 2 Affected station 3  
 Before Analysis

Results for: 8A IL GALESBURG      BMPCDT      20110302ABZ      CP

HAAT 330.0 m, ATV ERP 23.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	947473	28923.3
not affected by terrain losses	914455	28383.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	13541	568.1
lost to ATV IX only	13541	568.1
lost to all IX	13541	568.1

Potential Interfering Stations Included in above Scenario 2

7A IA WATERLOO	BLC DT	20100707AXT	LIC
8A IA DES MOINES	BLC DT	20090619AAG	LIC
8A IL CARBONDALE	BLED T	20090612ADB	LIC
8A MO COLUMBIA	BLC DT	20090612AFB	LIC
8A WI LA CROSSE	BLC DT	20090507ACT	LIC
9A IA CEDAR RAPIDS	BPCDT	20110725ADB	CP
8A WI MILWAUKEE	DTVPLN	DTVP0163	PLN

#### After Analysis

Results for: 8A IL GALESBURG      BMPCDT      20110302ABZ      CP

HAAT 330.0 m, ATV ERP 23.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	947473	28923.3
not affected by terrain losses	914455	28383.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	13359	532.1
lost to ATV IX only	13359	532.1
lost to all IX	13359	532.1

Potential Interfering Stations Included in above Scenario 2

7A IA WATERLOO	BLC DT	20100707AXT	LIC
8A IA DES MOINES	BLC DT	20090619AAG	LIC
8A IL CARBONDALE	BLED T	20090612ADB	LIC
8A MO COLUMBIA	BLC DT	20090612AFB	LIC
8A WI LA CROSSE	BLC DT	20090507ACT	LIC
9A IA CEDAR RAPIDS	BPCDT	20110725ADB	CP
8A WI MILWAUKEE	USERRECORD01		APP

Percent new IX = -0.0202%

Result key: 4  
 Scenario 3 Affected station 3  
 Before Analysis

Results for: 8A IL GALESBURG      BMPCDT      20110302ABZ      CP

HAAT 330.0 m, ATV ERP 23.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	947473	28923.3
not affected by terrain losses	914455	28383.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	12723	520.1

lost to ATV IX only	12723	520.1
lost to all IX	12723	520.1

Potential Interfering Stations Included in above Scenario 3

7A IA WATERLOO	BLC DT	20100707AXT	LIC
8A IA DES MOINES	BLC DT	20090619AAG	LIC
8A IL CARBONDALE	BLED T	20090612ADB	LIC
8A MO COLUMBIA	BPC DT	20090721AAU	APP
8A WI LA CROSSE	BLC DT	20090507ACT	LIC
9A IA CEDAR RAPIDS	BLC DT	20090612AJN	LIC
8A WI MILWAUKEE	DTVPLN	DTVP0163	PLN

After Analysis

Results for: 8A IL GALESBURG      B MPCDT      20110302ABZ    CP  
HAAT 330.0 m, ATV ERP 23.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	947473	28923.3
not affected by terrain losses	914455	28383.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	12541	484.1
lost to ATV IX only	12541	484.1
lost to all IX	12541	484.1

Potential Interfering Stations Included in above Scenario 3

7A IA WATERLOO	BLC DT	20100707AXT	LIC
8A IA DES MOINES	BLC DT	20090619AAG	LIC
8A IL CARBONDALE	BLED T	20090612ADB	LIC
8A MO COLUMBIA	BPC DT	20090721AAU	APP
8A WI LA CROSSE	BLC DT	20090507ACT	LIC
9A IA CEDAR RAPIDS	BLC DT	20090612AJN	LIC
8A WI MILWAUKEE	USERRECORD01		APP

Percent new IX = -0.0202%

Result key: 5  
Scenario 4 Affected station 3  
Before Analysis

Results for: 8A IL GALESBURG      B MPCDT      20110302ABZ    CP  
HAAT 330.0 m, ATV ERP 23.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	947473	28923.3
not affected by terrain losses	914455	28383.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	13541	568.1
lost to ATV IX only	13541	568.1
lost to all IX	13541	568.1

Potential Interfering Stations Included in above Scenario 4

7A IA WATERLOO	BLC DT	20100707AXT	LIC
8A IA DES MOINES	BLC DT	20090619AAG	LIC
8A IL CARBONDALE	BLED T	20090612ADB	LIC
8A MO COLUMBIA	BPC DT	20090721AAU	APP
8A WI LA CROSSE	BLC DT	20090507ACT	LIC
9A IA CEDAR RAPIDS	BPC DT	20110725ADB	CP
8A WI MILWAUKEE	DTVPLN	DTVP0163	PLN

After Analysis

Results for: 8A IL GALESBURG      B MPCDT      20110302ABZ    CP  
HAAT 330.0 m, ATV ERP 23.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	947473	28923.3
not affected by terrain losses	914455	28383.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	13359	532.1
lost to ATV IX only	13359	532.1
lost to all IX	13359	532.1

Potential Interfering Stations Included in above Scenario 4

7A IA WATERLOO	BLC DT	20100707AXT	LIC
8A IA DES MOINES	BLC DT	20090619AAG	LIC
8A IL CARBONDALE	BLED T	20090612ADB	LIC
8A MO COLUMBIA	BPC DT	20090721AAU	APP
8A WI LA CROSSE	BLC DT	20090507ACT	LIC
9A IA CEDAR RAPIDS	BPC DT	20110725ADB	CP
8A WI MILWAUKEE	USERRECORD01		APP

Percent new IX = -0.0202%

Worst case new IX -0.0202% Scenario 1

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# Analysis of Interference to Affected Station 4

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	WIIH-CD	INDIANAPOLIS IN	BLDVL	-20090902ACB

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
08	WSIU-TV	CARBONDALE IL	329.2	LIC	BLEDT	-20090612ADB
08	951215KK	GALESBURG IL	386.0	CP MOD	BMPCDT	-20110302ABZ
08	WBNA	LOUISVILLE KY	210.1	LIC	BLCDT	-20021024AAB
08	WMMT	KALAMAZOO MI	309.8	LIC	BLCDT	-20090616AAV
08	WLIO	LIMA OH	199.9	LIC	BLCDT	-20070305ABB
08	WMVS	MILWAUKEE WI	383.3	PLN	DTVPLN	-DTV0163
09	WISH-TV	INDIANAPOLIS IN	0.0	LIC	BLCDT	-20090622ABX
08	WMVS	MILWAUKEE WI	383.3	APP	USERRECORD-01	

Proposed station is beyond the site to nearest cell evaluation distance

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# Analysis of Interference to Affected Station 5

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	WDHS	IRON MOUNTAIN MI	BLCDT	-20090612AKA

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	WSAW-TV	WAUSAU WI	162.9	LIC	BLCDT	-20090227ABN
07	WSAW-TV	WAUSAU WI	162.9	CP MOD	BMPCDT	-20080620AKR
08	WMMT	KALAMAZOO MI	406.5	LIC	BLCDT	-20090616AAV
08	WGTQ	SAULT STE. MARIE MI	305.1	LIC	BLCDT	-20090622AFG
08	WDSE	DULUTH MN	331.3	LIC	BLEDT	-20090618ABE
08	WKBT-DT	LA CROSSE WI	322.6	LIC	BLCDT	-20090507ACT
08	WMVS	MILWAUKEE WI	302.9	PLN	DTVPLN	-DTV0163
09	WAOW	WAUSAU WI	162.9	CP	BPCDT	-20091105ACL
09	WAOW	WAUSAU WI	162.9	LIC	BLCDT	-20090611AAL
08	WMVS	MILWAUKEE WI	302.9	APP	USERRECORD-01	

Total scenarios = 1

Result key: 6

Scenario 1 Affected station 5

Before Analysis

Results for: 8A MI IRON MOUNTAIN BLC DT 20090612AKA LIC

HAAT 171.0 m, ATV ERP 22.0 kW	POPULATION	AREA (sq km)
	203173	25170.5
within Noise Limited Contour	186119	24122.0
not affected by terrain losses	0	0.0
lost to NTSC IX	3592	562.4
lost to additional IX by ATV	3592	562.4
lost to ATV IX only	3592	562.4
lost to all IX		

Potential Interfering Stations Included in above Scenario 1

8A MI SAULT STE. MARIE	BLCDT	20090622AFG	LIC
8A MN DULUTH	BLEDT	20090618ABE	LIC
8A WI LA CROSSE	BLCDT	20090507ACT	LIC
8A WI MILWAUKEE	DTVPLN	DTV0163	PLN

After Analysis

Results for: 8A MI IRON MOUNTAIN BLC DT 20090612AKA LIC

HAAT 171.0 m, ATV ERP 22.0 kW	POPULATION	AREA (sq km)
	203173	25170.5
within Noise Limited Contour	186119	24122.0
not affected by terrain losses	0	0.0
lost to NTSC IX	3267	514.2
lost to additional IX by ATV	3267	514.2
lost to ATV IX only	3267	514.2
lost to all IX		

Potential Interfering Stations Included in above Scenario 1

8A MI SAULT STE. MARIE	BLCDT	20090622AFG	LIC
8A MN DULUTH	BLEDT	20090618ABE	LIC
8A WI LA CROSSE	BLCDT	20090507ACT	LIC
8A WI MILWAUKEE	USERRECORD01	APP	

Percent new IX = -0.1781%

Worst case new IX -0.1781% Scenario 1

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	WMT	KALAMAZOO MI	BLC DT	-20090616AAV

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	WJBK	DETROIT MI	191.2	LIC	BLC DT	-20090813ABG
07	WOOD-TV	GRAND RAPIDS MI	6.5	LIC	BLC DT	-20040625ABO
08	951215KK	GALESBURG IL	426.1	CP MOD	BMPCDT	-20110302ABZ
08	WDHS	IRON MOUNTAIN MI	406.5	LIC	BLC DT	-20090612AKA
08	WGTQ	SAULT STE. MARIE MI	396.7	LIC	BLC DT	-20090622AFG
08	WJW	CLEVELAND OH	345.7	LIC	BLC DT	-20090612AJC
08	WJW	CLEVELAND OH	345.7	CP MOD	BMPCDT	-20080620AHI
08	WLIO	LIMA OH	239.8	LIC	BLC DT	-20070305ABB
08	WMVS	MILWAUKEE WI	199.6	PLN	DTVPLN	-DTVP0163
09	WWTV	CADILLAC MI	168.0	LIC	BLC DT	-20091217ACZ
08	WMVS	MILWAUKEE WI	199.6	APP	USERRECORD-01	

Total scenarios = 2

Result key: 7

Scenario 1 Affected station 6

Before Analysis

Results for: 8A MI KALAMAZOO BLC DT 20090616AAV LIC

HAAT	257.0 m, ATV ERP	25.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour			2375087	29935.9
not affected by terrain losses			2362118	29743.3
lost to NTSC IX			0	0.0
lost to additional IX by ATV			65527	2194.4
lost to ATV IX only			65527	2194.4
lost to all IX			65527	2194.4

Potential Interfering Stations Included in above Scenario 1

8A OH CLEVELAND	BLC DT	20090612AJC	LIC
8A OH LIMA	BLC DT	20070305ABB	LIC
9A MI CADILLAC	BLC DT	20091217ACZ	LIC
8A WI MILWAUKEE	DTVPLN	DTVP0163	PLN

After Analysis

Results for: 8A MI KALAMAZOO BLC DT 20090616AAV LIC

HAAT	257.0 m, ATV ERP	25.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour			2375087	29935.9
not affected by terrain losses			2362118	29743.3
lost to NTSC IX			0	0.0
lost to additional IX by ATV			58492	1131.3
lost to ATV IX only			58492	1131.3
lost to all IX			58492	1131.3

Potential Interfering Stations Included in above Scenario 1

8A OH CLEVELAND	BLC DT	20090612AJC	LIC
8A OH LIMA	BLC DT	20070305ABB	LIC
9A MI CADILLAC	BLC DT	20091217ACZ	LIC
8A WI MILWAUKEE	USERRECORD01		APP

Percent new IX = -0.3063%

Result key: 8

Scenario 2 Affected station 6

Before Analysis

Results for: 8A MI KALAMAZOO BLC DT 20090616AAV LIC

HAAT	257.0 m, ATV ERP	25.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour			2375087	29935.9
not affected by terrain losses			2362118	29743.3
lost to NTSC IX			0	0.0
lost to additional IX by ATV			65527	2194.4
lost to ATV IX only			65527	2194.4
lost to all IX			65527	2194.4

Potential Interfering Stations Included in above Scenario 2

8A OH CLEVELAND	BMPCDT	20080620AHI	CP
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8A OH LIMA	BLCDDT	20070305ABB	LIC
9A MI CADILLAC	BLCDDT	20091217ACZ	LIC
8A WI MILWAUKEE	DTVPLN	DTVP0163	PLN

# After Analysis

Results for: 8A MI KALAMAZOO BLCDDT 20090616AAV LIC  
 HAAT 257.0 m, ATV ERP 25.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2375087	29935.9
not affected by terrain losses	2362118	29743.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	58492	1131.3
lost to ATV IX only	58492	1131.3
lost to all IX	58492	1131.3

Potential Interfering Stations Included in above Scenario 2

8A OH CLEVELAND	BMPCDDT	20080620AHI	CP
8A OH LIMA	BLCDDT	20070305ABB	LIC
9A MI CADILLAC	BLCDDT	20091217ACZ	LIC
8A WI MILWAUKEE	USERRECORD01		APP

Percent new IX = -0.3063%

Worst case new IX -0.3063% Scenario 1

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## Analysis of Interference to Affected Station 7

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	WLIO	LIMA OH	BLCDDT	-20070305ABB

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	WJBK	DETROIT MI	205.1	LIC	BLCDDT	-20090813ABG
08	WBNA	LOUISVILLE KY	332.3	LIC	BLCDDT	-20021024AAB
08	WMMT	KALAMAZOO MI	239.8	LIC	BLCDDT	-20090616AAV
08	WJW	CLEVELAND OH	213.7	LIC	BLCDDT	-20090612AJC
08	WJW	CLEVELAND OH	213.7	CP MOD	BMPCDDT	-20080620AHI
08	WWCP-TV	JOHNSTOWN PA	425.8	LIC	BLCDDT	-20090413AEM
08	WMVS	MILWAUKEE WI	406.7	PLN	DTVPLN	-DTVP0163
09	WISH-TV	INDIANAPOLIS IN	199.9	LIC	BLCDDT	-20090622ABX
08	WMVS	MILWAUKEE WI	406.7	APP	USERRECORD-01	

Proposal causes no interference

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## Analysis of Interference to Affected Station 8

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	WKBT-DT	LA CROSSE WI	BLCDDT	-20090507ACT

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KWWL	WATERLOO IA	192.3	LIC	BLCDDT	-20100707AXT
07	WSAW-TV	WAUSAU WI	159.8	LIC	BLCDDT	-20090227ABN
07	WSAW-TV	WAUSAU WI	159.8	CP MOD	BMPCDDT	-20080620AKR
08	KCCI	DES MOINES IA	314.3	LIC	BLCDDT	-20090619AAG
08	951215KK	GALESBURG IL	318.6	CP MOD	BMPCDDT	-20110302ABZ
08	WDHS	IRON MOUNTAIN MI	322.6	LIC	BLCDDT	-20090612AKA
08	WDSE	DULUTH MN	306.3	LIC	BLEDT	-20090618ABE
08	WMVS	MILWAUKEE WI	297.7	PLN	DTVPLN	-DTVP0163
09	KCRG-TV	CEDAR RAPIDS IA	201.7	LIC	BLCDDT	-20090612AJN
09	KCRG-TV	CEDAR RAPIDS IA	201.7	CP	BPCDDT	-20110725ADB
09	KMSP-TV	MINNEAPOLIS MN	177.6	LIC	BLCDDT	-20090622ABD
09	WAOW	WAUSAU WI	159.8	CP	BPCDDT	-20091105ACL
09	WAOW	WAUSAU WI	159.8	LIC	BLCDDT	-20090611AAL
08	WMVS	MILWAUKEE WI	297.7	APP	USERRECORD-01	

Total scenarios = 2

Result key: 9

Scenario 1 Affected station 8

Before Analysis

Results for: 8A WI LA CROSSE BLCDDT 20090507ACT LIC

HAAT 465.0 m, ATV ERP 25.7 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	811075	39911.1



not affected by terrain losses	766712	38128.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	18192	1270.0
lost to ATV IX only	18192	1270.0
lost to all IX	18192	1270.0

Potential Interfering Stations Included in above Scenario 1

7A IA WATERLOO	BLCDT	20100707AXT	LIC
7A WI WAUSAU	BMPCDT	20080620AKR	CP
8A IA DES MOINES	BLCDT	20090619AAG	LIC
8A IL GALESBURG	BMPCDT	20110302ABZ	CP
8A MI IRON MOUNTAIN	BLCDT	20090612AKA	LIC
8A MN DULUTH	BLEDT	20090618ABE	LIC
9A IA CEDAR RAPIDS	BPCDT	20110725ADB	CP
9A MN MINNEAPOLIS	BLCDT	20090622ABD	LIC
9A WI WAUSAU	BPCDT	20091105ACL	CP
8A WI MILWAUKEE	DTVPLN	DTVP0163	PLN

After Analysis

Results for: 8A WI LA CROSSE BLCDT 20090507ACT LIC  
HAAT 465.0 m, ATV ERP 25.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	811075	39911.1
not affected by terrain losses	766712	38128.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	16977	1153.8
lost to ATV IX only	16977	1153.8
lost to all IX	16977	1153.8

Potential Interfering Stations Included in above Scenario 1

7A IA WATERLOO	BLCDT	20100707AXT	LIC
7A WI WAUSAU	BMPCDT	20080620AKR	CP
8A IA DES MOINES	BLCDT	20090619AAG	LIC
8A IL GALESBURG	BMPCDT	20110302ABZ	CP
8A MI IRON MOUNTAIN	BLCDT	20090612AKA	LIC
8A MN DULUTH	BLEDT	20090618ABE	LIC
9A IA CEDAR RAPIDS	BPCDT	20110725ADB	CP
9A MN MINNEAPOLIS	BLCDT	20090622ABD	LIC
9A WI WAUSAU	BPCDT	20091105ACL	CP
8A WI MILWAUKEE	USERRECORD01		APP

Percent new IX = -0.1623%

Result key: 10  
Scenario 2 Affected station 8  
Before Analysis

Results for: 8A WI LA CROSSE BLCDT 20090507ACT LIC  
HAAT 465.0 m, ATV ERP 25.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	811075	39911.1
not affected by terrain losses	766712	38128.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	18035	1262.0
lost to ATV IX only	18035	1262.0
lost to all IX	18035	1262.0

Potential Interfering Stations Included in above Scenario 2

7A IA WATERLOO	BLCDT	20100707AXT	LIC
7A WI WAUSAU	BMPCDT	20080620AKR	CP
8A IA DES MOINES	BLCDT	20090619AAG	LIC
8A IL GALESBURG	BMPCDT	20110302ABZ	CP
8A MI IRON MOUNTAIN	BLCDT	20090612AKA	LIC
8A MN DULUTH	BLEDT	20090618ABE	LIC
9A IA CEDAR RAPIDS	BPCDT	20110725ADB	CP
9A MN MINNEAPOLIS	BLCDT	20090622ABD	LIC
9A WI WAUSAU	BLCDT	20090611AAL	LIC
8A WI MILWAUKEE	DTVPLN	DTVP0163	PLN

After Analysis

Results for: 8A WI LA CROSSE BLCDT 20090507ACT LIC  
HAAT 465.0 m, ATV ERP 25.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	811075	39911.1
not affected by terrain losses	766712	38128.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	16820	1145.8
lost to ATV IX only	16820	1145.8
lost to all IX	16820	1145.8

Potential Interfering Stations Included in above Scenario 2

7A IA WATERLOO	BLCDT	20100707AXT	LIC
7A WI WAUSAU	BMPCDT	20080620AKR	CP
8A IA DES MOINES	BLCDT	20090619AAG	LIC

8A IL GALESBURG	BMPCDT	20110302ABZ	CP
8A MI IRON MOUNTAIN	BLCDDT	20090612AKA	LIC
8A MN DULUTH	BLEDT	20090618ABE	LIC
9A IA CEDAR RAPIDS	BPCDDT	20110725ADB	CP
9A MN MINNEAPOLIS	BLCDDT	20090622ABD	LIC
9A WI WAUSAU	BLCDDT	20090611AAL	LIC
8A WI MILWAUKEE	USERRECORD01		APP

Percent new IX = -0.1623%

Worst case new IX -0.1623% Scenario 2

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Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application Ref. No.
08	WMVS	MILWAUKEE WI	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
07	WOOD-TV	GRAND RAPIDS MI	200.2	LIC	BLCDDT -20040625ABO
08	951215KK	GALESBURG IL	284.3	CP MOD	BMPCDDT -20110302ABZ
08	WDHS	IRON MOUNTAIN MI	302.9	LIC	BLCDDT -20090612AKA
08	WMMT	KALAMAZOO MI	199.6	LIC	BLCDDT -20090616AAV
08	WLIO	LIMA OH	406.7	LIC	BLCDDT -20070305ABB
08	WKBT-DT	LA CROSSE WI	297.7	LIC	BLCDDT -20090507ACT

Total scenarios = 1

Result key: 11

Scenario 1 Affected station 9

Before Analysis

Results for: 8A WI MILWAUKEE USERRECORD01 APP

HAAT 164.0 m, ATV ERP 32.0 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	2645226	23344.3
not affected by terrain losses	2556421	22160.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	182775	1703.7
lost to ATV IX only	182775	1703.7
lost to all IX	182775	1703.7

Potential Interfering Stations Included in above Scenario 1

8A IL GALESBURG	BMPCDT	20110302ABZ	CP
8A MI IRON MOUNTAIN	BLCDDT	20090612AKA	LIC
8A MI KALAMAZOO	BLCDDT	20090616AAV	LIC
8A WI LA CROSSE	BLCDDT	20090507ACT	LIC

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