

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/cdb/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	BMPEDT	20100730ABN
WMVS	08	MILWAUKEE	WI	BLEDT	20041207AAL

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 03-25-2011 Time: 10:09:54

Record Selected for Analysis

WMVS USERRECORD-01 MILWAUKEE WI US
Channel 08 ERP 32. kW HAAT 309. m RCAMSL 00508 m
Latitude 043-05-48 Longitude 0087-54-18
Status APP Zone 1 Border Site number: 01
Dir Antenna Make usr Model WMVS-HAZ 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 = 309.

Site number	1		
Azimuth	ERP	HAAT	36.0 dBu F(50,90)
(Deg)	(kW)	(m)	(km)
0.0	21.622	305.5	98.7
45.0	16.382	331.0	98.4
90.0	2.316	331.0	83.4
135.0	10.089	328.4	94.5
180.0	31.808	310.9	102.2
225.0	23.777	287.4	98.4
270.0	20.480	286.7	97.2
315.0	16.635	290.4	95.8

Evaluation toward Class A Stations from site # 01

Station inside contour of Class A station

Contour overlap to Class A station
DWOFL-CA 8 ROCKFORD IL BLTVL 19930625JV

SPACING VIOLATION FOUND BETWEEN STATION

and station

SHORT TO: WMVS 08 MILWAUKEE WI DTVPLN DTVP0166
43 -05-46 87 -54-15
Req. separation 244.6 Actual separation 0.1 Short 244.5 km

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Proposed Station			
Channel	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	200.3	LIC	BLCDDT	20040625ABO
07	WMKE-CA	MILWAUKEE WI	6.5	LIC	BLTVL	20000630AEP
08	951215KK	GALESBURG IL	284.3	APP	BMPCDDT	20110302ABZ
08	DWQFL-CA	ROCKFORD IL	130.5	LIC	BLTVL	19930625JVV
08	WDHS	IRON MOUNTAIN MI	302.8	LIC	BLCDDT	20090612AKA
08	WWMT	KALAMAZOO MI	199.6	CP	BPCDDT	20080312ABA
08	WLIO	LIMA OH	406.8	CP MOD	BMPCDDT	20060517ABE
08	WKBT-DT	LA CROSSE WI	297.6	LIC	BLCDDT	20090507ACT

[illegible]

Analysis of Interference to Affected Station 1

Analysis of current record

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

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	WJBK	DETROIT MI	189.6	LIC	BLCDT	-20090813ABG
07	WSAW-TV	WAUSAU WI	417.2	CP MOD	BMPCDT	-20080620AKR
08	WWMT	KALAMAZOO MI	6.5	CP	BPCDT	-20080312ABA
08	WMVS	MILWAUKEE WI	200.2	PLN	DTVPLN	-DTVP0166
08	WMVS	MILWAUKEE WI	200.3	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	CP MOD	BMPCDT	-20090409AEB
07	KWWL	WATERLOO IA	328.3	LIC	BLCDT	-20090513AFP
07	WJBK	DETROIT MI	389.2	LIC	BLCDT	-20090813ABG
07	WOOD-TV	GRAND RAPIDS MI	200.1	LIC	BLCDT	-20040625ABO
07	WSAW-TV	WAUSAU WI	252.7	CP MOD	BMPCDT	-20080620AKR
08	WMVS	MILWAUKEE WI	6.5	PLN	DTVPLN	-DTVP0166
08	WMVS	MILWAUKEE WI	6.5	APP	USERRECORD-01	

Total scenarios = 1

Result key: 1
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	BLCDT	20040625ABO	LIC
8A WI MILWAUKEE	DTVPLN	DTVP0166	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	28387	56.4	
	lost to all IX	28387	56.4	

Potential Interfering Stations Included in above Scenario 1

7A MI GRAND RAPIDS BLCDT 20040625ABO LIC
8A WI MILWAUKEE USERRECORD01 APP

Percent new IX = -0.4933%

Worst case new IX -0.4933% 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	CP MOD	BMPCDT	-20090409AEB
07	KWWL	WATERLOO IA	171.2	LIC	BLCDT	-20090513AFP
07	KHQA-TV	HANNIBAL MO	169.2	LIC	BLCDT	-20090622AFC
08	KCCI	DES MOINES IA	275.2	LIC	BLCDT	-20090619AAG
08	WSIU-TV	CARBONDALE IL	369.7	LIC	BLEDT	-20090612ADB
08	WWMT	KALAMAZOO MI	426.1	CP	BPCDT	-20080312ABA
08	KOMU-TV	COLUMBIA MO	313.4	CP	BPCDT	-20080215AFG
08	KOMU-TV	COLUMBIA MO	313.4	APP	BPCDT	-20090721AAU
08	WKBT-DT	LA CROSSE WI	318.6	LIC	BLCDT	-20090507ACT
08	WMVS	MILWAUKEE WI	284.3	PLN	DTVPLN	-DTVP0166
09	KCRG-TV	CEDAR RAPIDS IA	165.7	LIC	BLCDT	-20090612AJN
09	WILL-TV	URBANA IL	202.0	APP	BPEDT	-20100406ABJ
09	WILL-TV	URBANA IL	202.0	LIC	BLEDT	-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 APP

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	BMPCDT	20090409AEB	CP
8A IA DES MOINES	BLCDT	20090619AAG	LIC
8A IL CARBONDALE	BLEDT	20090612ADB	LIC
8A MO COLUMBIA	BPCDT	20080215AFG	CP
8A WI LA CROSSE	BLCDT	20090507ACT	LIC
9A IA CEDAR RAPIDS	BLCDT	20090612AJN	LIC
8A WI MILWAUKEE	DTVPLN	DTVP0166	PLN

After Analysis

Results for: 8A IL GALESBURG BMPCDT 20110302ABZ APP

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	12766	524.1
lost to ATV IX only	12766	524.1
lost to all IX	12766	524.1

Potential Interfering Stations Included in above Scenario 1

7A IA WATERLOO	BMPCDT	20090409AEB	CP
8A IA DES MOINES	BLCDDT	20090619AAG	LIC
8A IL CARBONDALE	BLEDT	20090612ADB	LIC
8A MO COLUMBIA	BPCDDT	20080215AFG	CP
8A WI LA CROSSE	BLCDDT	20090507ACT	LIC
9A IA CEDAR RAPIDS	BLCDDT	20090612AJN	LIC
8A WI MILWAUKEE	USERRECORD01		APP

Percent new IX = 0.0048%

Result key: 3
 Scenario 2 Affected station 3
 Before Analysis

Results for: 8A IL GALESBURG BMPCDT 20110302ABZ APP
 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 2

7A IA WATERLOO	BLCDDT	20090513AFP	LIC
8A IA DES MOINES	BLCDDT	20090619AAG	LIC
8A IL CARBONDALE	BLEDT	20090612ADB	LIC
8A MO COLUMBIA	BPCDDT	20080215AFG	CP
8A WI LA CROSSE	BLCDDT	20090507ACT	LIC
9A IA CEDAR RAPIDS	BLCDDT	20090612AJN	LIC
8A WI MILWAUKEE	DTVPLN	DTVP0166	PLN

After Analysis

Results for: 8A IL GALESBURG BMPCDT 20110302ABZ APP
 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	12766	524.1
lost to ATV IX only	12766	524.1
lost to all IX	12766	524.1

Potential Interfering Stations Included in above Scenario 2

7A IA WATERLOO	BLCDDT	20090513AFP	LIC
8A IA DES MOINES	BLCDDT	20090619AAG	LIC
8A IL CARBONDALE	BLEDT	20090612ADB	LIC
8A MO COLUMBIA	BPCDDT	20080215AFG	CP
8A WI LA CROSSE	BLCDDT	20090507ACT	LIC
9A IA CEDAR RAPIDS	BLCDDT	20090612AJN	LIC
8A WI MILWAUKEE	USERRECORD01		APP

Percent new IX = 0.0048%

Result key: 4
Scenario 3 Affected station 3
Before Analysis

Results for: 8A IL GALESBURG BMPCDT 20110302ABZ APP
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	BMPCDT	20090409AEB	CP
8A IA DES MOINES	BLCDT	20090619AAG	LIC
8A IL CARBONDALE	BLEDT	20090612ADB	LIC
8A MO COLUMBIA	BPCDT	20090721AAU	APP
8A WI LA CROSSE	BLCDT	20090507ACT	LIC
9A IA CEDAR RAPIDS	BLCDT	20090612AJN	LIC
8A WI MILWAUKEE	DTVPLN	DTVP0166	PLN

After Analysis

Results for: 8A IL GALESBURG BMPCDT 20110302ABZ APP
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	12766	524.1
lost to ATV IX only	12766	524.1
lost to all IX	12766	524.1

Potential Interfering Stations Included in above Scenario 3

7A IA WATERLOO	BMPCDT	20090409AEB	CP
8A IA DES MOINES	BLCDT	20090619AAG	LIC
8A IL CARBONDALE	BLEDT	20090612ADB	LIC
8A MO COLUMBIA	BPCDT	20090721AAU	APP
8A WI LA CROSSE	BLCDT	20090507ACT	LIC
9A IA CEDAR RAPIDS	BLCDT	20090612AJN	LIC
8A WI MILWAUKEE	USERRECORD01		APP

Percent new IX = 0.0048%

Result key: 5
Scenario 4 Affected station 3
Before Analysis

Results for: 8A IL GALESBURG BMPCDT 20110302ABZ APP
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 4

7A IA WATERLOO	BLCDT	20090513AFP	LIC
8A IA DES MOINES	BLCDT	20090619AAG	LIC
8A IL CARBONDALE	BLEDT	20090612ADB	LIC
8A MO COLUMBIA	BPCDT	20090721AAU	APP

8A WI LA CROSSE	BLCDT	20090507ACT	LIC
9A IA CEDAR RAPIDS	BLCDT	20090612AJN	LIC
8A WI MILWAUKEE	DTVPLN	DTVP0166	PLN

After Analysis

Results for: 8A IL GALESBURG BMPCDT 20110302ABZ APP
 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	12766	524.1
lost to ATV IX only	12766	524.1
lost to all IX	12766	524.1

Potential Interfering Stations Included in above Scenario 4

7A IA WATERLOO	BLCDT	20090513AFP	LIC
8A IA DES MOINES	BLCDT	20090619AAG	LIC
8A IL CARBONDALE	BLEDT	20090612ADB	LIC
8A MO COLUMBIA	BPCDT	20090721AAU	APP
8A WI LA CROSSE	BLCDT	20090507ACT	LIC
9A IA CEDAR RAPIDS	BLCDT	20090612AJN	LIC
8A WI MILWAUKEE	USERRECORD01		APP

Percent new IX = 0.0048%

Worst case new IX 0.0048% 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	DWQFL-CA	ROCKFORD IL	BLTVL -19930625JV

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
08	KCCI	DES MOINES IA	382.2	LIC	BLCDT -20090619AAG
08	951215KK	GALESBURG IL	153.8	APP	BMPCDT -20110302ABZ
08	WMKB-LD	ROCHELLE IL	52.7	CP MOD	BMPDVL -20090605AAW
08	WWMT	KALAMAZOO MI	289.5	CP	BPCDT -20080312ABA
08	WKBT-DT	LA CROSSE WI	276.0	LIC	BLCDT -20090507ACT
08	W08CK	MADISON-MIDDLETON WI	94.5	LIC	BLTVL -19920324IF
08	WMVS	MILWAUKEE WI	130.5	PLN	DTVPLN -DTVP0166
08	WMVS	MILWAUKEE WI	130.5	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.
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	CP MOD	BMPCDT -20080620AKR
08	WWMT	KALAMAZOO MI	406.5	CP	BPCDT -20080312ABA

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	-DTVP0166
09	WAOW	WAUSAU WI	162.9	CP	BPCDT	-20091105ACL
08	WMVS	MILWAUKEE WI	302.8	APP	USERRECORD-01	

Total scenarios = 1

Result key: 6
Scenario 1 Affected station 5
Before Analysis

Results for: 8A MI IRON MOUNTAIN BLCDT 20090612AKA LIC
HAAT 171.0 m, ATV ERP 22.0 kW

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

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	DTVP0166	PLN

After Analysis

Results for: 8A MI IRON MOUNTAIN BLCDT 20090612AKA LIC
HAAT 171.0 m, ATV ERP 22.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	203173	25170.5
not affected by terrain losses	186119	24122.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3411	530.2
lost to ATV IX only	3411	530.2
lost to all IX	3411	530.2

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 = -0.0992%

Worst case new IX -0.0992% 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	WWTM	KALAMAZOO MI	BPCDT	-20080312ABA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	WJBK	DETROIT MI	191.2	LIC	BLCDT	-20090813ABG

07	WOOD-TV	GRAND RAPIDS MI	6.5	LIC	BLCDT	-20040625ABO
08	951215KK	GALESBURG IL	426.1	APP	BMPCDT	-20110302ABZ
08	WDHS	IRON MOUNTAIN MI	406.5	LIC	BLCDT	-20090612AKA
08	WGTQ	SAULT STE. MARIE MI	396.7	LIC	BLCDT	-20090622AFG
08	WJW	CLEVELAND OH	345.7	CP MOD	BMPCDT	-20080620AHI
08	WJW	CLEVELAND OH	345.7	LIC	BLCDT	-20090612AJC
08	WLIO	LIMA OH	239.8	CP MOD	BMPCDT	-20060517ABE
08	WMVS	MILWAUKEE WI	199.6	PLN	DTVPLN	-DTVP0166
09	WWTV	CADILLAC MI	168.0	CP MOD	BMPCDT	-20090727ADJ
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 BPCDT 20080312ABA CP
 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	BMPCDT	20080620AHI	CP
8A OH LIMA	BMPCDT	20060517ABE	CP
9A MI CADILLAC	BMPCDT	20090727ADJ	CP
8A WI MILWAUKEE	DTVPLN	DTVP0166	PLN

After Analysis

Results for: 8A MI KALAMAZOO BPCDT 20080312ABA CP
 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	59011	1552.6
lost to ATV IX only	59011	1552.6
lost to all IX	59011	1552.6

Potential Interfering Stations Included in above Scenario 1

8A OH CLEVELAND	BMPCDT	20080620AHI	CP
8A OH LIMA	BMPCDT	20060517ABE	CP
9A MI CADILLAC	BMPCDT	20090727ADJ	CP
8A WI MILWAUKEE	USERRECORD01		APP

Percent new IX = -0.2837%

Result key: 8
 Scenario 2 Affected station 6
 Before Analysis

Results for: 8A MI KALAMAZOO BPCDT 20080312ABA CP
 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	BLCDT	20090612AJC	LIC
8A OH LIMA	BMPCDT	20060517ABE	CP
9A MI CADILLAC	BMPCDT	20090727ADJ	CP
8A WI MILWAUKEE	DTVPLN	DTVP0166	PLN

After Analysis

Results for: 8A MI KALAMAZOO BPCDT 20080312ABA CP

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	59011	1552.6
lost to ATV IX only	59011	1552.6
lost to all IX	59011	1552.6

Potential Interfering Stations Included in above Scenario 2

8A OH CLEVELAND	BLCDT	20090612AJC	LIC
8A OH LIMA	BMPCDT	20060517ABE	CP
9A MI CADILLAC	BMPCDT	20090727ADJ	CP
8A WI MILWAUKEE	USERRECORD01		APP

Percent new IX = -0.2837%

Worst case new IX -0.2837% 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	BMPCDT -20060517ABE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
07	WJBK	DETROIT MI	205.1	LIC	BLCDT -20090813ABG
08	WBNA	LOUISVILLE KY	332.3	LIC	BLCDT -20021024AAB
08	WWMT	KALAMAZOO MI	239.8	CP	BPCDT -20080312ABA
08	WJW	CLEVELAND OH	213.7	CP MOD	BMPCDT -20080620AHI
08	WJW	CLEVELAND OH	213.7	LIC	BLCDT -20090612AJC
08	WWCP-TV	JOHNSTOWN PA	425.8	CP MOD	BMPCDT -20080620AIX
08	WMVS	MILWAUKEE WI	406.7	PLN	DTVPLN -DTVP0166
09	WISH-TV	INDIANAPOLIS IN	199.9	CP	BPCDT -20080619AES
09	WISH-TV	INDIANAPOLIS IN	199.9	LIC	BLCDT -20010810ABB
08	WMVS	MILWAUKEE WI	406.8	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	BLCDT -20090507ACT

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KWWL	WATERLOO IA	192.3	CP MOD	BMPCDT	-20090409AEB
07	KWWL	WATERLOO IA	192.3	LIC	BLCDT	-20090513AFP
07	WSAW-TV	WAUSAU WI	159.8	CP MOD	BMPCDT	-20080620AKR
08	KCCI	DES MOINES IA	314.3	LIC	BLCDT	-20090619AAG
08	951215KK	GALESBURG IL	318.6	APP	BMPCDT	-20110302ABZ
08	WDHS	IRON MOUNTAIN MI	322.6	LIC	BLCDT	-20090612AKA
08	WDSE	DULUTH MN	306.3	LIC	BLEDT	-20090618ABE
08	WMVS	MILWAUKEE WI	297.7	PLN	DTVPLN	-DTVP0166
09	KCRG-TV	CEDAR RAPIDS IA	201.7	LIC	BLCDT	-20090612AJN
09	KMSP-TV	MINNEAPOLIS MN	177.6	CP MOD	BMPCDT	-20080620ALS
09	WAOW	WAUSAU WI	159.8	CP	BPCDT	-20091105ACL
08	WMVS	MILWAUKEE WI	297.6	APP	USERRECORD-01	

Total scenarios = 6

Result key: 9
Scenario 1 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	17713	1185.9
lost to ATV IX only	17713	1185.9
lost to all IX	17713	1185.9

Potential Interfering Stations Included in above Scenario 1

7A IA WATERLOO	BMPCDT	20090409AEB	CP
7A WI WAUSAU	BMPCDT	20080620AKR	CP
8A IA DES MOINES	BLCDT	20090619AAG	LIC
8A MI IRON MOUNTAIN	BLCDT	20090612AKA	LIC
8A MN DULUTH	BLEDT	20090618ABE	LIC
9A MN MINNEAPOLIS	BMPCDT	20080620ALS	CP
9A WI WAUSAU	BPCDT	20091105ACL	CP
8A WI MILWAUKEE	DTVPLN	DTVP0166	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	16816	1097.7
lost to ATV IX only	16816	1097.7
lost to all IX	16816	1097.7

Potential Interfering Stations Included in above Scenario 1

7A IA WATERLOO	BMPCDT	20090409AEB	CP
7A WI WAUSAU	BMPCDT	20080620AKR	CP
8A IA DES MOINES	BLCDT	20090619AAG	LIC
8A MI IRON MOUNTAIN	BLCDT	20090612AKA	LIC
8A MN DULUTH	BLEDT	20090618ABE	LIC
9A MN MINNEAPOLIS	BMPCDT	20080620ALS	CP
9A WI WAUSAU	BPCDT	20091105ACL	CP
8A WI MILWAUKEE	USERRECORD01		APP

Percent new IX = -0.1198%

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	17682	1181.9
lost to ATV IX only	17682	1181.9
lost to all IX	17682	1181.9

Potential Interfering Stations Included in above Scenario 2

7A IA WATERLOO	BLCDT	20090513AFP	LIC
7A WI WAUSAU	BMPCDT	20080620AKR	CP
8A IA DES MOINES	BLCDT	20090619AAG	LIC
8A MI IRON MOUNTAIN	BLCDT	20090612AKA	LIC
8A MN DULUTH	BLEDT	20090618ABE	LIC
9A MN MINNEAPOLIS	BMPCDT	20080620ALS	CP
9A WI WAUSAU	BPCDT	20091105ACL	CP
8A WI MILWAUKEE	DTVPLN	DTVP0166	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	16785	1093.7
lost to ATV IX only	16785	1093.7
lost to all IX	16785	1093.7

Potential Interfering Stations Included in above Scenario 2

7A IA WATERLOO	BLCDT	20090513AFP	LIC
7A WI WAUSAU	BMPCDT	20080620AKR	CP
8A IA DES MOINES	BLCDT	20090619AAG	LIC
8A MI IRON MOUNTAIN	BLCDT	20090612AKA	LIC
8A MN DULUTH	BLEDT	20090618ABE	LIC
9A MN MINNEAPOLIS	BMPCDT	20080620ALS	CP
9A WI WAUSAU	BPCDT	20091105ACL	CP
8A WI MILWAUKEE	USERRECORD01		APP

Percent new IX = -0.1198%

Result key: 11
 Scenario 3 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	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 3

7A IA WATERLOO	BMPCDT	20090409AEB	CP
7A WI WAUSAU	BMPCDT	20080620AKR	CP

8A IA DES MOINES	BLCDT	20090619AAG	LIC
8A IL GALESBURG	BMPCDT	20110302ABZ	APP
8A MI IRON MOUNTAIN	BLCDT	20090612AKA	LIC
8A MN DULUTH	BLEDT	20090618ABE	LIC
9A MN MINNEAPOLIS	BMPCDT	20080620ALS	CP
9A WI WAUSAU	BPCDT	20091105ACL	CP
8A WI MILWAUKEE	DTVPLN	DTVP0166	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	17351	1189.9
lost to ATV IX only	17351	1189.9
lost to all IX	17351	1189.9

Potential Interfering Stations Included in above Scenario 3

7A IA WATERLOO	BMPCDT	20090409AEB	CP
7A WI WAUSAU	BMPCDT	20080620AKR	CP
8A IA DES MOINES	BLCDT	20090619AAG	LIC
8A IL GALESBURG	BMPCDT	20110302ABZ	APP
8A MI IRON MOUNTAIN	BLCDT	20090612AKA	LIC
8A MN DULUTH	BLEDT	20090618ABE	LIC
9A MN MINNEAPOLIS	BMPCDT	20080620ALS	CP
9A WI WAUSAU	BPCDT	20091105ACL	CP
8A WI MILWAUKEE	USERRECORD01		APP

Percent new IX = -0.1124%

Result key: 12
 Scenario 4 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	17713	1185.9
lost to ATV IX only	17713	1185.9
lost to all IX	17713	1185.9

Potential Interfering Stations Included in above Scenario 4

7A IA WATERLOO	BMPCDT	20090409AEB	CP
7A WI WAUSAU	BMPCDT	20080620AKR	CP
8A IA DES MOINES	BLCDT	20090619AAG	LIC
8A MI IRON MOUNTAIN	BLCDT	20090612AKA	LIC
8A MN DULUTH	BLEDT	20090618ABE	LIC
9A MN MINNEAPOLIS	BMPCDT	20080620ALS	CP
9A WI WAUSAU	BPCDT	20091105ACL	CP
8A WI MILWAUKEE	DTVPLN	DTVP0166	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	16816	1097.7

lost to ATV IX only	16816	1097.7
lost to all IX	16816	1097.7

Potential Interfering Stations Included in above Scenario 4

7A IA WATERLOO	BMPCDT	20090409AEB	CP
7A WI WAUSAU	BMPCDT	20080620AKR	CP
8A IA DES MOINES	BLCDDT	20090619AAG	LIC
8A MI IRON MOUNTAIN	BLCDDT	20090612AKA	LIC
8A MN DULUTH	BLEDT	20090618ABE	LIC
9A MN MINNEAPOLIS	BMPCDT	20080620ALS	CP
9A WI WAUSAU	BPCDT	20091105ACL	CP
8A WI MILWAUKEE	USERRECORD01		APP

Percent new IX = -0.1198%

Result key: 13
 Scenario 5 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	18161	1266.0
lost to ATV IX only	18161	1266.0
lost to all IX	18161	1266.0

Potential Interfering Stations Included in above Scenario 5

7A IA WATERLOO	BLCDDT	20090513AFP	LIC
7A WI WAUSAU	BMPCDT	20080620AKR	CP
8A IA DES MOINES	BLCDDT	20090619AAG	LIC
8A IL GALESBURG	BMPCDT	20110302ABZ	APP
8A MI IRON MOUNTAIN	BLCDDT	20090612AKA	LIC
8A MN DULUTH	BLEDT	20090618ABE	LIC
9A MN MINNEAPOLIS	BMPCDT	20080620ALS	CP
9A WI WAUSAU	BPCDT	20091105ACL	CP
8A WI MILWAUKEE	DTVPLN	DTVP0166	PLN

After 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	17320	1185.9
lost to ATV IX only	17320	1185.9
lost to all IX	17320	1185.9

Potential Interfering Stations Included in above Scenario 5

7A IA WATERLOO	BLCDDT	20090513AFP	LIC
7A WI WAUSAU	BMPCDT	20080620AKR	CP
8A IA DES MOINES	BLCDDT	20090619AAG	LIC
8A IL GALESBURG	BMPCDT	20110302ABZ	APP
8A MI IRON MOUNTAIN	BLCDDT	20090612AKA	LIC
8A MN DULUTH	BLEDT	20090618ABE	LIC
9A MN MINNEAPOLIS	BMPCDT	20080620ALS	CP
9A WI WAUSAU	BPCDT	20091105ACL	CP
8A WI MILWAUKEE	USERRECORD01		APP

Percent new IX = -0.1124%

Result key: 14
 Scenario 6 Affected station 8
 Before Analysis

Results for: 8A WI LA CROSSE BLC DT 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	17682	1181.9
lost to ATV IX only	17682	1181.9
lost to all IX	17682	1181.9

Potential Interfering Stations Included in above Scenario 6

7A IA WATERLOO	BLC DT	20090513AFP	LIC
7A WI WAUSAU	BMPCDT	20080620AKR	CP
8A IA DES MOINES	BLC DT	20090619AAG	LIC
8A MI IRON MOUNTAIN	BLC DT	20090612AKA	LIC
8A MN DULUTH	BLEDT	20090618ABE	LIC
9A MN MINNEAPOLIS	BMPCDT	20080620ALS	CP
9A WI WAUSAU	BPCDT	20091105ACL	CP
8A WI MILWAUKEE	DTVPLN	DTVP0166	PLN

After Analysis

Results for: 8A WI LA CROSSE BLC DT 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	16785	1093.7
lost to ATV IX only	16785	1093.7
lost to all IX	16785	1093.7

Potential Interfering Stations Included in above Scenario 6

7A IA WATERLOO	BLC DT	20090513AFP	LIC
7A WI WAUSAU	BMPCDT	20080620AKR	CP
8A IA DES MOINES	BLC DT	20090619AAG	LIC
8A MI IRON MOUNTAIN	BLC DT	20090612AKA	LIC
8A MN DULUTH	BLEDT	20090618ABE	LIC
9A MN MINNEAPOLIS	BMPCDT	20080620ALS	CP
9A WI WAUSAU	BPCDT	20091105ACL	CP
8A WI MILWAUKEE	USERRECORD01		APP

Percent new IX = -0.1198%

Worst case new IX -0.1124% Scenario 5

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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	200.3	LIC	BLC DT -20040625ABO
08	951215KK	GALESBURG IL	284.3	APP	BMPCDT -20110302ABZ
08	WDHS	IRON MOUNTAIN MI	302.8	LIC	BLC DT -20090612AKA

08	WWMT	KALAMAZOO MI	199.6	CP	BPCDT	-20080312ABA
08	WLIO	LIMA OH	406.8	CP MOD	BMPCDT	-20060517ABE
08	WKBT-DT	LA CROSSE WI	297.6	LIC	BLCDT	-20090507ACT

Total scenarios = 3

Result key: 15
 Scenario 1 Affected station 9
 Before Analysis

Results for: 8A WI MILWAUKEE USERRECORD01 APP
 HAAT 309.0 m, ATV ERP 32.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3030691	29068.6
not affected by terrain losses	2971887	28355.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	63087	1075.4
lost to ATV IX only	63087	1075.4
lost to all IX	63087	1075.4

Potential Interfering Stations Included in above Scenario 1

8A MI IRON MOUNTAIN	BLCDT	20090612AKA	LIC
8A MI KALAMAZOO	BPCDT	20080312ABA	CP
8A WI LA CROSSE	BLCDT	20090507ACT	LIC

Result key: 16
 Scenario 2 Affected station 9
 Before Analysis

Results for: 8A WI MILWAUKEE USERRECORD01 APP
 HAAT 309.0 m, ATV ERP 32.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3030691	29068.6
not affected by terrain losses	2971887	28355.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	65082	1111.7
lost to ATV IX only	65082	1111.7
lost to all IX	65082	1111.7

Potential Interfering Stations Included in above Scenario 2

8A IL GALESBURG	BMPCDT	20110302ABZ	APP
8A MI IRON MOUNTAIN	BLCDT	20090612AKA	LIC
8A MI KALAMAZOO	BPCDT	20080312ABA	CP
8A WI LA CROSSE	BLCDT	20090507ACT	LIC

Result key: 17
 Scenario 3 Affected station 9
 Before Analysis

Results for: 8A WI MILWAUKEE USERRECORD01 APP
 HAAT 309.0 m, ATV ERP 32.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3030691	29068.6
not affected by terrain losses	2971887	28355.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	63087	1075.4
lost to ATV IX only	63087	1075.4
lost to all IX	63087	1075.4

Potential Interfering Stations Included in above Scenario 3

8A MI IRON MOUNTAIN	BLCDT	20090612AKA	LIC
8A MI KALAMAZOO	BPCDT	20080312ABA	CP
8A WI LA CROSSE	BLCDT	20090507ACT	LIC

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