

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
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 07-29-2010 Time: 19:35:30

Record Selected for Analysis

WMVS USERRECORD-01 MILWAUKEE WI US
Channel 08 ERP 69. kW HAAT 355. m RCAMSL 00554 m
Latitude 043-05-46 Longitude 0087-54-15
Status APP Zone 1 Border Site number: 01
Dir Antenna Make usr Model ERIHAZ-02 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 = 69.00 HAAT = 355.

Site number	1		
Azimuth	ERP	HAAT	36.0 dBu F(50,90)
(Deg)	(kW)	(m)	(km)
0.0	49.151	352.8	109.4
45.0	11.712	377.0	99.4
90.0	3.974	377.0	90.9
135.0	19.382	374.6	103.3
180.0	64.121	356.9	112.1
225.0	62.601	333.3	110.0
270.0	54.287	333.0	108.7
315.0	56.700	336.6	109.4

Evaluation toward Class A Stations from site # 01

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

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

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

WMVS 08 MILWAUKEE WI USERRECORD01 Site # 01

and station

SHORT TO: WWMT 08 KALAMAZOO MI BPCDT 20080312ABA
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 DTVP0166
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

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	BLCDT	20040625ABO
07	WMKE-CA	MILWAUKEE WI	6.5	LIC	BLTVL	20000630AEP
08	DWQFL-CA	ROCKFORD IL	130.5	LIC	BLTVL	19930625JV
08	WDHS	IRON MOUNTAIN MI	302.9	LIC	BLCDT	20090612AKA
08	WWMT	KALAMAZOO MI	199.6	CP	BPCDT	20080312ABA
08	WLIO	LIMA OH	406.7	CP MOD	BMPCDT	20060517ABE
08	WKBT-DT	LA CROSSE WI	297.7	LIC	BLCDT	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	BLCDT	-20040625ABO

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	WJBK	DETROIT MI	189.6	CP MOD	BMPCDT	-20080623ACT
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	-DTV0166
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	CP MOD	BMPCDT	-20090409AEB
07	KWWL	WATERLOO IA	328.3	LIC	BLCDDT	-20090513AFP
07	WJBK	DETROIT MI	389.2	CP MOD	BMPCDT	-20080623ACT
07	WOOD-TV	GRAND RAPIDS MI	200.1	LIC	BLCDDT	-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	BLCDDT	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		105474	132.9	
lost to all IX		105474	132.9	

Potential Interfering Stations Included in above Scenario 1

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

The following station failed the de minimis interference criteria.

8D WI MILWAUKEE	USERRECORD01
ERP 69.00 kW HAAT 355.0 m RCAMSL 554.0 m	
Antenna usr ERIHAZ-02	

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: 9.9195 BLTVL 20000630AEP

Worst case new IX 9.9195% 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	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	CP MOD	BMPCDT	-20080616ABN
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 4

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	CP MOD	BMPCDT	-20080619AJZ
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	-20090409ADU
09	WAOW	WAUSAU WI	162.9	APP	BPCDT	-20091105ACL
08	WMVS	MILWAUKEE WI	302.9	APP	USERRECORD-01	

Total scenarios = 1

Result key: 2

Scenario 1 Affected station 4

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	BMPCDT	20080619AJZ	CP
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	4486	711.0
lost to ATV IX only	4486	711.0
lost to all IX	4486	711.0

Potential Interfering Stations Included in above Scenario 1

8A MI SAULT STE. MARIE	BMPCDT	20080619AJZ	CP
8A MN DULUTH	BLEDT	20090618ABE	LIC
8A WI LA CROSSE	BLCDT	20090507ACT	LIC
8A WI MILWAUKEE	USERRECORD01		APP

Percent new IX = 0.4898%

Worst case new IX 0.4898% Scenario 1

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	WWMT	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	CP MOD	BMPCDT	-20080623ACT
07	WOOD-TV	GRAND RAPIDS MI	6.5	LIC	BLCDT	-20040625ABO
08	WDHS	IRON MOUNTAIN MI	406.5	LIC	BLCDT	-20090612AKA
08	WGTQ	SAULT STE. MARIE MI	396.7	CP MOD	BMPCDT	-20080619AJZ
08	WJW	CLEVELAND OH	345.7	LIC	BLCDT	-20090612AJC
08	WJW	CLEVELAND OH	345.7	CP MOD	BMPCDT	-20080620AHI
08	WLIO	LIMA OH	239.8	CP MOD	BMPCDT	-20060517ABE
08	WMVS	MILWAUKEE WI	199.6	PLN	DTVPLN	-DTVP0166
09	WWTW	CADILLAC MI	168.0	CP MOD	BMPCDT	-20090727ADJ
08	WMVS	MILWAUKEE WI	199.6	APP	USERRECORD-01	

Total scenarios = 2

Result key: 3
 Scenario 1 Affected station 5
 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	BLCDDT	20090612AJC	LIC
8A OH LIMA	BMPCDDT	20060517ABE	CP
9A MI CADILLAC	BMPCDDT	20090727ADJ	CP
8A WI MILWAUKEE	DTVPLN	DTVP0166	PLN

After Analysis

Results for: 8A MI KALAMAZOO BPCDDT 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	68162	2158.3
lost to ATV IX only	68162	2158.3
lost to all IX	68162	2158.3

Potential Interfering Stations Included in above Scenario 1

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

Percent new IX = 0.1147%

Result key: 4
 Scenario 2 Affected station 5
 Before Analysis

Results for: 8A MI KALAMAZOO BPCDDT 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	BMPCDDT	20080620AHI	CP
8A OH LIMA	BMPCDDT	20060517ABE	CP
9A MI CADILLAC	BMPCDDT	20090727ADJ	CP
8A WI MILWAUKEE	DTVPLN	DTVP0166	PLN

After Analysis

Results for: 8A MI KALAMAZOO BPCDDT 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	68162	2158.3
lost to ATV IX only	68162	2158.3
lost to all IX	68162	2158.3

Potential Interfering Stations Included in above Scenario 2

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

Percent new IX = 0.1147%

Worst case new IX 0.1147% 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	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	CP MOD	BMPCDT -20080623ACT
08	WBNA	LOUISVILLE KY	332.3	LIC	BLCDT -20021024AAB
08	WWMT	KALAMAZOO MI	239.8	CP	BPCDT -20080312ABA
08	WJW	CLEVELAND OH	213.7	LIC	BLCDT -20090612AJC
08	WJW	CLEVELAND OH	213.7	CP MOD	BMPCDT -20080620AHI
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	LIC	BLCDT -20010810ABB
09	WISH-TV	INDIANAPOLIS IN	199.9	CP	BPCDT -20080619AES
08	WMVS	MILWAUKEE WI	406.7	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application Ref. No.
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	CP MOD	BMPCDT -20080616ABN
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 -20090409ADU
09	WAOW	WAUSAU WI	159.8	APP	BPCDT -20091105ACL
08	WMVS	MILWAUKEE WI	297.7	APP	USERRECORD-01

Total scenarios = 4

Result key: 5
Scenario 1 Affected station 7
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	17556	1177.9

lost to ATV IX only	17556	1177.9
lost to all IX	17556	1177.9

Potential Interfering Stations Included in above Scenario 1

7A IA WATERLOO	BMPCDT	20090409AEB	CP
7A WI WAUSAU	BMPCDT	20080620AKR	CP
8A IA DES MOINES	BMPCDT	20080616ABN	CP
8A MI IRON MOUNTAIN	BLCDT	20090612AKA	LIC
8A MN DULUTH	BLEDT	20090618ABE	LIC
9A MN MINNEAPOLIS	BMPCDT	20080620ALS	CP
9A WI WAUSAU	BPCDT	20090409ADU	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	21272	1550.5
lost to ATV IX only	21272	1550.5
lost to all IX	21272	1550.5

Potential Interfering Stations Included in above Scenario 1

7A IA WATERLOO	BMPCDT	20090409AEB	CP
7A WI WAUSAU	BMPCDT	20080620AKR	CP
8A IA DES MOINES	BMPCDT	20080616ABN	CP
8A MI IRON MOUNTAIN	BLCDT	20090612AKA	LIC
8A MN DULUTH	BLEDT	20090618ABE	LIC
9A MN MINNEAPOLIS	BMPCDT	20080620ALS	CP
9A WI WAUSAU	BPCDT	20090409ADU	CP
8A WI MILWAUKEE	USERRECORD01		APP

Percent new IX = 0.4960%

Result key: 6
 Scenario 2 Affected station 7
 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	17525	1173.9
lost to ATV IX only	17525	1173.9
lost to all IX	17525	1173.9

Potential Interfering Stations Included in above Scenario 2

7A IA WATERLOO	BLCDT	20090513AFP	LIC
7A WI WAUSAU	BMPCDT	20080620AKR	CP
8A IA DES MOINES	BMPCDT	20080616ABN	CP
8A MI IRON MOUNTAIN	BLCDT	20090612AKA	LIC
8A MN DULUTH	BLEDT	20090618ABE	LIC
9A MN MINNEAPOLIS	BMPCDT	20080620ALS	CP
9A WI WAUSAU	BPCDT	20090409ADU	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	21241	1546.4
lost to ATV IX only	21241	1546.4
lost to all IX	21241	1546.4

Potential Interfering Stations Included in above Scenario 2

7A IA WATERLOO	BLCDDT	20090513AFP	LIC
7A WI WAUSAU	BMPCDDT	20080620AKR	CP
8A IA DES MOINES	BMPCDDT	20080616ABN	CP
8A MI IRON MOUNTAIN	BLCDDT	20090612AKA	LIC
8A MN DULUTH	BLEDT	20090618ABE	LIC
9A MN MINNEAPOLIS	BMPCDDT	20080620ALS	CP
9A WI WAUSAU	BPCDDT	20090409ADU	CP
8A WI MILWAUKEE	USERRECORD01		APP

Percent new IX = 0.4960%

Result key: 7
 Scenario 3 Affected station 7
 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	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 3

7A IA WATERLOO	BMPCDDT	20090409AEB	CP
7A WI WAUSAU	BMPCDDT	20080620AKR	CP
8A IA DES MOINES	BMPCDDT	20080616ABN	CP
8A MI IRON MOUNTAIN	BLCDDT	20090612AKA	LIC
8A MN DULUTH	BLEDT	20090618ABE	LIC
9A MN MINNEAPOLIS	BMPCDDT	20080620ALS	CP
9A WI WAUSAU	BPCDDT	20091105ACL	APP
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	21390	1554.5
lost to ATV IX only	21390	1554.5
lost to all IX	21390	1554.5

Potential Interfering Stations Included in above Scenario 3

7A IA WATERLOO	BMPCDDT	20090409AEB	CP
7A WI WAUSAU	BMPCDDT	20080620AKR	CP
8A IA DES MOINES	BMPCDDT	20080616ABN	CP
8A MI IRON MOUNTAIN	BLCDDT	20090612AKA	LIC
8A MN DULUTH	BLEDT	20090618ABE	LIC
9A MN MINNEAPOLIS	BMPCDDT	20080620ALS	CP
9A WI WAUSAU	BPCDDT	20091105ACL	APP
8A WI MILWAUKEE	USERRECORD01		APP

Percent new IX = 0.4909%

Result key: 8
Scenario 4 Affected station 7
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 4

7A IA WATERLOO	BLCDT	20090513AFP	LIC
7A WI WAUSAU	BMPCDT	20080620AKR	CP
8A IA DES MOINES	BMPCDT	20080616ABN	CP
8A MI IRON MOUNTAIN	BLCDT	20090612AKA	LIC
8A MN DULUTH	BLEDT	20090618ABE	LIC
9A MN MINNEAPOLIS	BMPCDT	20080620ALS	CP
9A WI WAUSAU	BPCDT	20091105ACL	APP
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	21359	1550.5
lost to ATV IX only	21359	1550.5
lost to all IX	21359	1550.5

Potential Interfering Stations Included in above Scenario 4

7A IA WATERLOO	BLCDT	20090513AFP	LIC
7A WI WAUSAU	BMPCDT	20080620AKR	CP
8A IA DES MOINES	BMPCDT	20080616ABN	CP
8A MI IRON MOUNTAIN	BLCDT	20090612AKA	LIC
8A MN DULUTH	BLEDT	20090618ABE	LIC
9A MN MINNEAPOLIS	BMPCDT	20080620ALS	CP
9A WI WAUSAU	BPCDT	20091105ACL	APP
8A WI MILWAUKEE	USERRECORD01		APP

Percent new IX = 0.4909%

Worst case new IX 0.4960% Scenario 1

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Analysis of Interference to Affected Station 8

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.
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07	WOOD-TV	GRAND RAPIDS MI	200.2	LIC	BLCDT	-20040625ABO
08	WDHS	IRON MOUNTAIN MI	302.9	LIC	BLCDT	-20090612AKA
08	WWMT	KALAMAZOO MI	199.6	CP	BPCDT	-20080312ABA
08	WLIO	LIMA OH	406.7	CP MOD	BMPCDT	-20060517ABE
08	WKBT-DT	LA CROSSE WI	297.7	LIC	BLCDT	-20090507ACT

Total scenarios = 1

Result key: 9
 Scenario 1 Affected station 8
 Before Analysis

Results for: 8A WI MILWAUKEE USERRECORD01 APP
 HAAT 355.0 m, ATV ERP 69.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3678469	35016.3
not affected by terrain losses	3630599	34315.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	89448	1381.5
lost to ATV IX only	89448	1381.5
lost to all IX	89448	1381.5

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

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