

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

WMVT	35 MILWAUKEE	WI BMPEDT	20110509ACH
WMVT	35 MILWAUKEE	WI BLEDT	20041207AAK

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 01-18-2012 Time: 11:36:22

Record Selected for Analysis

WMVT	USERRECORD-01	MILWAUKEE	WI US
Channel	35 ERP 807. 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 CDB	Model 00000000105321	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) meets maximum height/power limits

Site number	1		
Azimuth	ERP	HAAT	41.0 dBu F(50,90)
(Deg)	(kW)	(m)	(km)
0.0	716.103	352.8	99.1
45.0	108.694	377.0	86.4
90.0	134.996	377.0	88.0
135.0	146.451	374.6	88.4
180.0	776.625	356.9	100.1
225.0	335.212	333.3	90.9

270.0      632.063      333.0      96.3  
315.0      334.172      336.6      91.2

Evaluation toward Class A Stations from site # 01

No Spacing violations or contour overlap  
to Class A stations from site # 01

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

WMVT      35 MILWAUKEE                      WI USERRECORD01                      Site # 01

and station

SHORT TO: WMVT      35 MILWAUKEE                      WI DTVPLN      DTVP1305  
43 -05-46 87 -54-15  
Req. separation 196.3 Actual separation      0.0 Short 196.3 km

LANDMOBILE SPACING VIOLATIONS FOUND

NONE from Site # 01

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

	Proposed Station			
Channel	Call	City/State		ARN
35	WMVT	MILWAUKEE WI		USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
34	WEDE-CA	ARLINGTON HEIGHTS IL	137.1	CP	BDFCDTA	20081014AAM
34	WISN-TV	MILWAUKEE WI	2.6	LIC	BLCDT	20101104AAA
35	KRIN	WATERLOO IA	334.4	LIC	BLEDT	20050218ABQ
35	WNIT	SOUTH BEND IN	216.8	LIC	BLEDT	20110516ADN
35	WTOM-TV	CHEBOYGAN MI	400.7	LIC	BLCDT	20040420AAI
35	WLUC-TV	MARQUETTE MI	360.2	CP	BPCDT	20041021ADR
35	WLUC-TV	MARQUETTE MI	360.2	LIC	BLCDT	20040202ALY
35	WOHL-CD	LIMA OH	406.7	LIC	BLDTA	20090817ACL
36	WJYS	HAMMOND IN	137.1	LIC	BLCDT	20100922ABI

%%%

Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
34	WEDE-CA	ARLINGTON HEIGHTS IL	BDFCDTA	-20081014AAM

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
33	WCHU-LD	CHICAGO IL	2.5	LIC	BLDTL	-20110928ALC
33	WCHU-LD	CHICAGO IL	2.5	CP MOD	BMPDTL	-20110912ACN
33	WCHU-LD	CHICAGO IL	2.5	CP	BDISDTL	-20100720ABQ
34	KQIN	DAVENPORT IA	236.6	CP	BPEDT	-20080620AIO
34	KQIN	DAVENPORT IA	236.6	LIC	BLEDT	-20080620AFY
34	W34EM-D	LEE IL	130.2	CP	BNPDTL	-20100524AFR
34	WQEC	QUINCY IL	373.8	LIC	BLEDT	-20040715ADL
34	WHTV	JACKSON MI	282.7	APP	BMPCDT	-20110420ABJ
34	WHTV	JACKSON MI	282.7	LIC	BLCDT	-20071116ABR
34	WHTV	JACKSON MI	282.7	CP MOD	BMPCDT	-20101013ADM
34	WISN-TV	MILWAUKEE WI	139.1	LIC	BLCDT	-20101104AAA
35	WNIT	SOUTH BEND IN	123.6	LIC	BLEDT	-20110516ADN
35	WMVT	MILWAUKEE WI	137.1	APP	USERRECORD-01	

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
34	WISN-TV	MILWAUKEE WI	BLCDT	-20101104AAA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
33	WITI	MILWAUKEE WI	3.4	LIC	BLCDT	-20091106AEL
34	KQIN	DAVENPORT IA	284.1	CP	BPEDT	-20080620AIO
34	KQIN	DAVENPORT IA	284.1	LIC	BLEDT	-20080620AFY
34	WHTV	JACKSON MI	293.0	APP	BMPCDT	-20110420ABJ
34	WHTV	JACKSON MI	293.0	LIC	BLCDT	-20071116ABR
34	WHTV	JACKSON MI	293.0	CP MOD	BMPCDT	-20101013ADM
35	WNIT	SOUTH BEND IN	219.4	LIC	BLEDT	-20110516ADN
35	WMVT	MILWAUKEE WI	2.6	PLN	DTVPLN	-DTVP1305
35	WMVT	MILWAUKEE WI	2.6	APP	USERRECORD-01	

Total scenarios = 1

Result key: 1  
 Scenario 1 Affected station 2  
 Before Analysis

Results for: 34A WI MILWAUKEE BLCDT 20101104AAA LIC  
 HAAT 303.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2759570	25392.2
not affected by terrain losses	2757839	25243.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1960	56.3
lost to ATV IX only	1960	56.3
lost to all IX	1960	56.3

Potential Interfering Stations Included in above Scenario 1

33A WI MILWAUKEE	BLCDT	20091106AEL	LIC
34A IA DAVENPORT	BPEDT	20080620AIO	CP
35A WI MILWAUKEE	DTVPLN	DTVP1305	PLN

After Analysis

Results for: 34A WI MILWAUKEE BLCDT 20101104AAA LIC  
 HAAT 303.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2759570	25392.2
not affected by terrain losses	2757839	25243.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	10153	80.5
lost to ATV IX only	10153	80.5
lost to all IX	10153	80.5

Potential Interfering Stations Included in above Scenario 1

33A WI MILWAUKEE	BLCDT	20091106AEL	LIC
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34A IA DAVENPORT                   BPEDT     20080620AIO   CP  
 35A WI MILWAUKEE                   USERRECORD01           APP

Percent new IX =    0.2973%

Worst case new IX    0.2973% Scenario     1

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Analysis of Interference to Affected Station    3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
35	KRIN	WATERLOO IA	BLEDT	-20050218ABQ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
34	KEFB	AMES IA	159.5	LIC	BLEDT	-20090720AAA
34	KQIN	DAVENPORT IA	165.7	CP	BPEDT	-20080620AIO
34	KQIN	DAVENPORT IA	165.7	LIC	BLEDT	-20080620AFY
35	KHIN	RED OAK IA	301.4	LIC	BLEDT	-20051116AED
35	KSTP-TV	ST. PAUL MN	322.1	LIC	BLCDDT	-20090622ABR
35	WMVT	MILWAUKEE WI	334.4	PLN	DTVPLN	-DTVP1305
36	KWQC-TV	DAVENPORT IA	165.7	LIC	BLCDDT	-20090708AGG
36	KAAL	AUSTIN MN	157.1	LIC	BLCDDT	-20091110AAF
35	WMVT	MILWAUKEE WI	334.4	APP	USERRECORD-01	

Total scenarios =    1

Result key:            2  
 Scenario            1 Affected station            3  
 Before Analysis

Results for: 35A IA WATERLOO                    BLEDT     20050218ABQ   LIC

HAAT 584.0 m, ATV ERP 250.0 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	900802	36354.2
not affected by terrain losses	878376	35926.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	9149	318.5
lost to ATV IX only	9149	318.5
lost to all IX	9149	318.5

Potential Interfering Stations Included in above Scenario    1

35A IA RED OAK	BLEDT	20051116AED	LIC
35A MN ST. PAUL	BLCDDT	20090622ABR	LIC
36A IA DAVENPORT	BLCDDT	20090708AGG	LIC
36A MN AUSTIN	BLCDDT	20091110AAF	LIC
35A WI MILWAUKEE	DTVPLN	DTVP1305	PLN

After Analysis

Results for: 35A IA WATERLOO BLEDT 20050218ABQ LIC

HAAT 584.0 m, ATV ERP 250.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	900802	36354.2
not affected by terrain losses	878376	35926.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	9221	322.6
lost to ATV IX only	9221	322.6
lost to all IX	9221	322.6

Potential Interfering Stations Included in above Scenario 1

35A IA RED OAK	BLEDT	20051116AED	LIC
35A MN ST. PAUL	BLCDDT	20090622ABR	LIC
36A IA DAVENPORT	BLCDDT	20090708AGG	LIC
36A MN AUSTIN	BLCDDT	20091110AAF	LIC
35A WI MILWAUKEE	USERRECORD01		APP

Percent new IX = 0.0083%

Worst case new IX 0.0083% Scenario 1

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
35	WNIT	SOUTH BEND IN	BLEDT	-20110516ADN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
34	WHTV	JACKSON MI	191.3	APP	BMPCDDT	-20110420ABJ
34	WHTV	JACKSON MI	191.3	LIC	BLCDDT	-20071116ABR
34	WHTV	JACKSON MI	191.3	CP MOD	BMPCDDT	-20101013ADM
34	WISN-TV	MILWAUKEE WI	219.4	LIC	BLCDDT	-20101104AAA
35	WLWT	CINCINNATI OH	310.6	LIC	BLCDDT	-20050502ABC
35	WMVT	MILWAUKEE WI	216.8	PLN	DTVPLN	-DTVP1305
36	WFFT-TV	FORT WAYNE IN	100.1	LIC	BLCDDT	-20090521AAQ
36	WJYS	HAMMOND IN	123.5	LIC	BLCDDT	-20100922ABI
36	WLNS-TV	LANSING MI	191.3	LIC	BLCDDT	-20090720ADT
35	WMVT	MILWAUKEE WI	216.8	APP	USERRECORD-01	

Total scenarios = 1

Result key: 3  
 Scenario 1 Affected station 4  
 Before Analysis

Results for: 35A IN SOUTH BEND BLEDT 20110516ADN LIC  
HAAT 333.0 m, ATV ERP 85.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1258982	19540.1
not affected by terrain losses	1258982	19540.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	38557	479.5
lost to ATV IX only	38557	479.5
lost to all IX	38557	479.5

Potential Interfering Stations Included in above Scenario 1

35A OH CINCINNATI	BLCDT	20050502ABC	LIC
36A IN FORT WAYNE	BLCDT	20090521AAQ	LIC
36A IN HAMMOND	BLCDT	20100922ABI	LIC
35A WI MILWAUKEE	DTVPLN	DTVP1305	PLN

After Analysis

Results for: 35A IN SOUTH BEND BLEDT 20110516ADN LIC  
HAAT 333.0 m, ATV ERP 85.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1258982	19540.1
not affected by terrain losses	1258982	19540.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	38557	479.5
lost to ATV IX only	38557	479.5
lost to all IX	38557	479.5

Potential Interfering Stations Included in above Scenario 1

35A OH CINCINNATI	BLCDT	20050502ABC	LIC
36A IN FORT WAYNE	BLCDT	20090521AAQ	LIC
36A IN HAMMOND	BLCDT	20100922ABI	LIC
35A 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 5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
35	WTOM-TV	CHEBOYGAN MI	BLCDT	-20040420AAI

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
35	WLUC-TV	MARQUETTE MI	281.2	CP	BPCDT	-20041021ADR
35	WLUC-TV	MARQUETTE MI	281.2	LIC	BLCDT	-20040202ALY

35 WMVT MILWAUKEE WI 400.7 PLN DTVPLN -DTVP1305  
35 WMVT MILWAUKEE WI 400.7 APP USERRECORD-01  
Proposal causes no interference

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
35	WLUC-TV	MARQUETTE MI	BPCDT	-20041021ADR

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
35	WTOM-TV	CHEBOYGAN MI	281.2	LIC	BLCDT	-20040420AAI
35	WMVT	MILWAUKEE WI	360.2	PLN	DTVPLN	-DTVP1305
36	WLEF-TV	PARK FALLS WI	191.7	LIC	BLEDT	-20110323ABO
35	WMVT	MILWAUKEE WI	360.2	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.
35	WLUC-TV	MARQUETTE MI	BLCDT	-20040202ALY

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
35	WTOM-TV	CHEBOYGAN MI	281.2	LIC	BLCDT	-20040420AAI
35	WMVT	MILWAUKEE WI	360.2	PLN	DTVPLN	-DTVP1305
36	WLEF-TV	PARK FALLS WI	191.7	LIC	BLEDT	-20110323ABO
35	WMVT	MILWAUKEE WI	360.2	APP	USERRECORD-01	

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
35	WOHL-CD	LIMA OH	BLDTA	-20090817ACL

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
35	NEW	FORT WAYNE IN	84.1	APP	BNPDTL	-20091218AFM
35	WNIT	SOUTH BEND IN	197.2	LIC	BLEDT	-20110516ADN
35	WOUC-TV	CAMBRIDGE OH	251.4	LIC	BLEDT	-20050427AAB
35	WLWT	CINCINNATI OH	183.5	LIC	BLCDT	-20050502ABC
36	WFFT-TV	FORT WAYNE IN	97.9	LIC	BLCDT	-20090521AAQ
36	WTTE	COLUMBUS OH	130.3	LIC	BLCDT	-20050701ABA
35	WMVT	MILWAUKEE WI	406.7	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
36	WJYS	HAMMOND IN	BLCDT	-20100922ABI

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
35	WNIT	SOUTH BEND IN	123.5	LIC	BLEDT	-20110516ADN
35	WMVT	MILWAUKEE WI	137.1	PLN	DTVPLN	-DTVP1305
36	KNQC-TV	DAVENPORT IA	236.6	LIC	BLCDT	-20090708AGG
36	WFFT-TV	FORT WAYNE IN	220.5	LIC	BLCDT	-20090521AAQ
36	WTWO	TERRE HAUTE IN	293.8	LIC	BLCDT	-20090107AIQ
36	WLNS-TV	LANSING MI	282.7	LIC	BLCDT	-20090720ADT
35	WMVT	MILWAUKEE WI	137.1	APP	USERRECORD-01	

Total scenarios = 1

Result key: 4  
Scenario 1 Affected station 9  
Before Analysis

Results for: 36A IN HAMMOND BLCDT 20100922ABI LIC

	POPULATION	AREA (sq km)
HAAT 510.0 m, ATV ERP 145.0 kW		
within Noise Limited Contour	9274749	25477.6
not affected by terrain losses	9274749	25477.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	61656	670.7
lost to ATV IX only	61656	670.7
lost to all IX	61656	670.7

Potential Interfering Stations Included in above Scenario 1

35A IN SOUTH BEND	BLEDT	20110516ADN	LIC
36A IA DAVENPORT	BLCDT	20090708AGG	LIC
36A IN FORT WAYNE	BLCDT	20090521AAQ	LIC
36A IN TERRE HAUTE	BLCDT	20090107AIQ	LIC

35A WI MILWAUKEE DTVPLN DTVP1305 PLN

After Analysis

Results for: 36A IN HAMMOND BLCDT 20100922ABI LIC

HAAT 510.0 m, ATV ERP 145.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9274749	25477.6
not affected by terrain losses	9274749	25477.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	61656	670.7
lost to ATV IX only	61656	670.7
lost to all IX	61656	670.7

Potential Interfering Stations Included in above Scenario 1

35A IN SOUTH BEND	BLEDT	20110516ADN	LIC
36A IA DAVENPORT	BLCDT	20090708AGG	LIC
36A IN FORT WAYNE	BLCDT	20090521AAQ	LIC
36A IN TERRE HAUTE	BLCDT	20090107AIQ	LIC
35A 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 10

Analysis of current record

Channel	Call	City/State	Application Ref. No.
35	WMVT	MILWAUKEE WI	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
34	WISN-TV	MILWAUKEE WI	2.6	LIC	BLCDT -20101104AAA
35	KRIN	WATERLOO IA	334.4	LIC	BLEDT -20050218ABQ
35	WNIT	SOUTH BEND IN	216.8	LIC	BLEDT -20110516ADN
35	WTOM-TV	CHEBOYGAN MI	400.7	LIC	BLCDT -20040420AAI
35	WLUC-TV	MARQUETTE MI	360.2	CP	BPCDT -20041021ADR
35	WLUC-TV	MARQUETTE MI	360.2	LIC	BLCDT -20040202ALY
36	WJYS	HAMMOND IN	137.1	LIC	BLCDT -20100922ABI

Total scenarios = 1

Result key: 5  
Scenario 1 Affected station 10  
Before Analysis

Results for: 35A WI MILWAUKEE USERRECORD01 APP

HAAT 355.0 m, ATV ERP 807.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2930575	27247.7
not affected by terrain losses	2926317	27118.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	22969	96.7
lost to ATV IX only	22969	96.7
lost to all IX	22969	96.7

Potential Interfering Stations Included in above Scenario 1

34A WI MILWAUKEE	BLCDT	20101104AAA	LIC
35A IA WATERLOO	BLEDT	20050218ABQ	LIC
35A IN SOUTH BEND	BLEDT	20110516ADN	LIC
36A IN HAMMOND	BLCDT	20100922ABI	LIC

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