

Percent allowed new interference: 0.500
Percent allowed new interference to Class A: 0.500
Census data selected 2000
Post Transition Data Base Selected ./data_files/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 02-23-2010 Time: 12:31:33

Record Selected for Analysis

WLEF-TV- USERRECORD-01 PARK FALLS WI US
Channel 36 ERP 300. kW HAAT 445. m RCAMSL 00920 m
Latitude 045-56-43 Longitude 0090-16-23
Status APP Zone 2 Border
Dir Antenna Make usr Model USRPAT01 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 meets maximum height/power limits

Azimuth (Deg)	ERP (kW)	HAAT (m)	41.0 dBu F(50,90) (km)
0.0	300.000	440.8	98.1
45.0	300.000	432.5	97.5
90.0	300.000	435.8	97.7
135.0	300.000	443.4	98.3
180.0	300.000	447.1	98.6
225.0	300.000	458.9	99.5
270.0	300.000	455.8	99.3
315.0	300.000	449.2	98.7

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

No spacing violations found to other full service stations

LANDMOBILE SPACING VIOLATIONS FOUND

NONE

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is within the Canadian coordination distance
Distance to border = 228.9km

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Channel	Call	City/State	ARN
36	WLEF-TV-	PARK FALLS WI	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
35	WLUC-TV	MARQUETTE MI	191.7	CP	BPCDT	-20041021ADR
35	WLUC-TV	MARQUETTE MI	191.7	PLN	DTVPLN	-DTVP1290
35	WLUC-TV	MARQUETTE MI	191.7	LIC	BLCDT	-20040202ALY
36	KAAL	AUSTIN MN	311.6	CP	BPCDT	-20080422AAE
36	KAAL	AUSTIN MN	343.4	PLN	DTVPLN	-DTVP1330

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Analysis of Interference to Affected Station 1

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	WTOM-TV	CHEBOYGAN MI	281.2	PLN	DTVPLN	-DTVP1289
35	WMVT	MILWAUKEE WI	360.2	LIC	BLEDT	-20041207AAK
35	WMVT	MILWAUKEE WI	360.2	PLN	DTVPLN	-DTVP1306
35	WMVT	MILWAUKEE WI	360.2	CP	BPEDT	-20090310ADX
36	WLEF-TV-	PARK FALLS WI	191.7	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.
35	WLUC-TV	MARQUETTE MI	DTVPLN -DTVP1290

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	WTOM-TV	CHEBOYGAN MI	281.2	PLN	DTVPLN -DTVP1289
35	WMVT	MILWAUKEE WI	360.2	LIC	BLEDT -20041207AAK
35	WMVT	MILWAUKEE WI	360.2	PLN	DTVPLN -DTVP1306
35	WMVT	MILWAUKEE WI	360.2	CP	BPEDT -20090310ADX
36	WLEF-TV-	PARK FALLS WI	191.7	APP	USERRECORD-01

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 3

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	WTOM-TV	CHEBOYGAN MI	281.2	PLN	DTVPLN -DTVP1289
35	WMVT	MILWAUKEE WI	360.2	LIC	BLEDT -20041207AAK
35	WMVT	MILWAUKEE WI	360.2	PLN	DTVPLN -DTVP1306
35	WMVT	MILWAUKEE WI	360.2	CP	BPEDT -20090310ADX
36	WLEF-TV-	PARK FALLS WI	191.7	APP	USERRECORD-01

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application Ref. No.
36	KAAL	AUSTIN MN	BPCDT -20080422AAE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
35	KRIN	WATERLOO IA	157.1	LIC	BLEDT -20050218ABQ
35	KRIN	WATERLOO IA	157.1	PLN	DTVPLN -DTVP1284
35	KSTP-TV	ST. PAUL MN	165.1	CP	BPCDT -20080321ABD

35	KSTP-TV	ST. PAUL MN	165.1	PLN	DTVPLN	-DTVP1291
36	KWQC-TV	DAVENPORT IA	313.1	CP	BPCDT	-20080313AAV
36	KWQC-TV	DAVENPORT IA	313.1	PLN	DTVPLN	-DTVP1318
36	KWSD	SIOUX FALLS SD	326.1	APP	BPCDT	-20100217AAO
36	KWSD	SIOUX FALLS SD	326.1	PLN	DTVPLN	-DTVP1343
36	KWSD	SIOUX FALLS SD	326.1	CP MOD	BMPCDT	-20100104ADJ
36	WLEF-TV-	PARK FALLS WI	311.6	APP	USERRECORD-01	

Total scenarios = 16

Result key: 1
 Scenario 1 Affected station 4
 Before Analysis

Results for: 36A MN AUSTIN BPCDT 20080422AAE CP
 HAAT 326.0 m, ATV ERP 620.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	563651	28808.5
not affected by terrain losses	530233	28070.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3483	173.5
lost to ATV IX only	3483	173.5
lost to all IX	3483	173.5

Potential Interfering Stations Included in above Scenario 1

35A IA WATERLOO	BLEDT	20050218ABQ	LIC
35A MN ST. PAUL	BPCDT	20080321ABD	CP
36A IA DAVENPORT	BPCDT	20080313AAV	CP

After Analysis

Results for: 36A MN AUSTIN BPCDT 20080422AAE CP
 HAAT 326.0 m, ATV ERP 620.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	563651	28808.5
not affected by terrain losses	530233	28070.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3949	213.9
lost to ATV IX only	3949	213.9
lost to all IX	3949	213.9

Potential Interfering Stations Included in above Scenario 1

35A IA WATERLOO	BLEDT	20050218ABQ	LIC
35A MN ST. PAUL	BPCDT	20080321ABD	CP
36A IA DAVENPORT	BPCDT	20080313AAV	CP
36A WI PARK FALLS	USERRECORD01		APP

Percent new IX = 0.0885%

Result key: 2
Scenario 2 Affected station 4
Before Analysis

Results for: 36A MN AUSTIN BPCDT 20080422AAE CP
HAAT 326.0 m, ATV ERP 620.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	563651	28808.5
not affected by terrain losses	530233	28070.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3473	169.5
lost to ATV IX only	3473	169.5
lost to all IX	3473	169.5

Potential Interfering Stations Included in above Scenario 2

35A IA WATERLOO	BLEDT	20050218ABQ	LIC
35A MN ST. PAUL	BPCDT	20080321ABD	CP
36A IA DAVENPORT	DTVPLN	DTVP1318	PLN

After Analysis

Results for: 36A MN AUSTIN BPCDT 20080422AAE CP
HAAT 326.0 m, ATV ERP 620.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	563651	28808.5
not affected by terrain losses	530233	28070.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3939	209.8
lost to ATV IX only	3939	209.8
lost to all IX	3939	209.8

Potential Interfering Stations Included in above Scenario 2

35A IA WATERLOO	BLEDT	20050218ABQ	LIC
35A MN ST. PAUL	BPCDT	20080321ABD	CP
36A IA DAVENPORT	DTVPLN	DTVP1318	PLN
36A WI PARK FALLS	USERRECORD01		APP

Percent new IX = 0.0885%

Result key: 3
Scenario 3 Affected station 4
Before Analysis

Results for: 36A MN AUSTIN BPCDT 20080422AAE CP
HAAT 326.0 m, ATV ERP 620.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	563651	28808.5
not affected by terrain losses	530233	28070.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3483	173.5
lost to ATV IX only	3483	173.5
lost to all IX	3483	173.5

Potential Interfering Stations Included in above Scenario 3

35A IA WATERLOO	BLEDT	20050218ABQ	LIC
35A MN ST. PAUL	DTVPLN	DTVP1291	PLN

36A IA DAVENPORT BPCDT 20080313AAV CP

After Analysis

Results for: 36A MN AUSTIN BPCDT 20080422AAE CP
HAAT 326.0 m, ATV ERP 620.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	563651	28808.5
not affected by terrain losses	530233	28070.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3949	213.9
lost to ATV IX only	3949	213.9
lost to all IX	3949	213.9

Potential Interfering Stations Included in above Scenario 3

35A IA WATERLOO	BLEDT	20050218ABQ	LIC
35A MN ST. PAUL	DTVPLN	DTVP1291	PLN
36A IA DAVENPORT	BPCDT	20080313AAV	CP
36A WI PARK FALLS	USERRECORD01		APP

Percent new IX = 0.0885%

Result key: 4
Scenario 4 Affected station 4
Before Analysis

Results for: 36A MN AUSTIN BPCDT 20080422AAE CP
HAAT 326.0 m, ATV ERP 620.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	563651	28808.5
not affected by terrain losses	530233	28070.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3473	169.5
lost to ATV IX only	3473	169.5
lost to all IX	3473	169.5

Potential Interfering Stations Included in above Scenario 4

35A IA WATERLOO	BLEDT	20050218ABQ	LIC
35A MN ST. PAUL	DTVPLN	DTVP1291	PLN
36A IA DAVENPORT	DTVPLN	DTVP1318	PLN

After Analysis

Results for: 36A MN AUSTIN BPCDT 20080422AAE CP
HAAT 326.0 m, ATV ERP 620.0 kW

	POPULATION	AREA (sq km)
not affected by terrain losses	530233	28070.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3939	209.8
lost to ATV IX only	3939	209.8
lost to all IX	3939	209.8

Potential Interfering Stations Included in above Scenario 4

35A IA WATERLOO	BLEDT	20050218ABQ	LIC
35A MN ST. PAUL	DTVPLN	DTVP1291	PLN
36A IA DAVENPORT	DTVPLN	DTVP1318	PLN

36A WI PARK FALLS USERRECORD01 APP

Percent new IX = 0.0885%

Result key: 5
Scenario 5 Affected station 4
Before Analysis

Results for: 36A MN AUSTIN BPCDT 20080422AAE CP
HAAT 326.0 m, ATV ERP 620.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	563651	28808.5
not affected by terrain losses	530233	28070.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3483	173.5
lost to ATV IX only	3483	173.5
lost to all IX	3483	173.5

Potential Interfering Stations Included in above Scenario 5

35A IA WATERLOO	DTVPLN	DTVP1284	PLN
35A MN ST. PAUL	BPCDT	20080321ABD	CP
36A IA DAVENPORT	BPCDT	20080313AAV	CP

After Analysis

Results for: 36A MN AUSTIN BPCDT 20080422AAE CP
HAAT 326.0 m, ATV ERP 620.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	563651	28808.5
not affected by terrain losses	530233	28070.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3949	213.9
lost to ATV IX only	3949	213.9
lost to all IX	3949	213.9

Potential Interfering Stations Included in above Scenario 5

35A IA WATERLOO	DTVPLN	DTVP1284	PLN
35A MN ST. PAUL	BPCDT	20080321ABD	CP
36A IA DAVENPORT	BPCDT	20080313AAV	CP
36A WI PARK FALLS	USERRECORD01		APP

Percent new IX = 0.0885%

Result key: 6
Scenario 6 Affected station 4
Before Analysis

Results for: 36A MN AUSTIN BPCDT 20080422AAE CP
HAAT 326.0 m, ATV ERP 620.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	563651	28808.5
not affected by terrain losses	530233	28070.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3473	169.5
lost to ATV IX only	3473	169.5
lost to all IX	3473	169.5

Potential Interfering Stations Included in above Scenario 6

35A IA WATERLOO	DTVPLN	DTVP1284	PLN
35A MN ST. PAUL	BPCDT	20080321ABD	CP
36A IA DAVENPORT	DTVPLN	DTVP1318	PLN

After Analysis

Results for: 36A MN AUSTIN BPCDT 20080422AAE CP
 HAAT 326.0 m, ATV ERP 620.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	563651	28808.5
not affected by terrain losses	530233	28070.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3939	209.8
lost to ATV IX only	3939	209.8
lost to all IX	3939	209.8

Potential Interfering Stations Included in above Scenario 6

35A IA WATERLOO	DTVPLN	DTVP1284	PLN
35A MN ST. PAUL	BPCDT	20080321ABD	CP
36A IA DAVENPORT	DTVPLN	DTVP1318	PLN
36A WI PARK FALLS	USERRECORD01		APP

Percent new IX = 0.0885%

Result key: 7
 Scenario 7 Affected station 4
 Before Analysis

Results for: 36A MN AUSTIN BPCDT 20080422AAE CP
 HAAT 326.0 m, ATV ERP 620.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	563651	28808.5
not affected by terrain losses	530233	28070.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3483	173.5
lost to ATV IX only	3483	173.5
lost to all IX	3483	173.5

Potential Interfering Stations Included in above Scenario 7

35A IA WATERLOO	DTVPLN	DTVP1284	PLN
35A MN ST. PAUL	DTVPLN	DTVP1291	PLN
36A IA DAVENPORT	BPCDT	20080313AAV	CP

After Analysis

Results for: 36A MN AUSTIN BPCDT 20080422AAE CP
 HAAT 326.0 m, ATV ERP 620.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	563651	28808.5
not affected by terrain losses	530233	28070.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3949	213.9
lost to ATV IX only	3949	213.9
lost to all IX	3949	213.9

Potential Interfering Stations Included in above Scenario 7

35A IA WATERLOO	DTVPLN	DTVP1284	PLN
35A MN ST. PAUL	DTVPLN	DTVP1291	PLN
36A IA DAVENPORT	BPCDT	20080313AAV	CP
36A WI PARK FALLS	USERRECORD01		APP

Percent new IX = 0.0885%

Result key: 8
 Scenario 8 Affected station 4
 Before Analysis

Results for: 36A MN AUSTIN BPCDT 20080422AAE CP

HAAT 326.0 m, ATV ERP 620.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	563651	28808.5
not affected by terrain losses	530233	28070.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3473	169.5
lost to ATV IX only	3473	169.5
lost to all IX	3473	169.5

Potential Interfering Stations Included in above Scenario 8

35A IA WATERLOO	DTVPLN	DTVP1284	PLN
35A MN ST. PAUL	DTVPLN	DTVP1291	PLN
36A IA DAVENPORT	DTVPLN	DTVP1318	PLN

After Analysis

Results for: 36A MN AUSTIN BPCDT 20080422AAE CP

HAAT 326.0 m, ATV ERP 620.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	563651	28808.5
not affected by terrain losses	530233	28070.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3939	209.8
lost to ATV IX only	3939	209.8
lost to all IX	3939	209.8

Potential Interfering Stations Included in above Scenario 8

35A IA WATERLOO	DTVPLN	DTVP1284	PLN
35A MN ST. PAUL	DTVPLN	DTVP1291	PLN
36A IA DAVENPORT	DTVPLN	DTVP1318	PLN
36A WI PARK FALLS	USERRECORD01		APP

Percent new IX = 0.0885%

Result key: 9
 Scenario 9 Affected station 4
 Before Analysis

Results for: 36A MN AUSTIN BPCDT 20080422AAE CP

HAAT 326.0 m, ATV ERP 620.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	563651	28808.5
not affected by terrain losses	530233	28070.0
lost to NTSC IX	0	0.0

lost to additional IX by ATV	3483	173.5
lost to ATV IX only	3483	173.5
lost to all IX	3483	173.5

Potential Interfering Stations Included in above Scenario 9

35A IA WATERLOO	BLEDT	20050218ABQ	LIC
35A MN ST. PAUL	BPCDT	20080321ABD	CP
36A IA DAVENPORT	BPCDT	20080313AAV	CP

After Analysis

Results for: 36A MN AUSTIN BPCDT 20080422AAE CP
HAAT 326.0 m, ATV ERP 620.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	563651	28808.5
not affected by terrain losses	530233	28070.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3949	213.9
lost to ATV IX only	3949	213.9
lost to all IX	3949	213.9

Potential Interfering Stations Included in above Scenario 9

35A IA WATERLOO	BLEDT	20050218ABQ	LIC
35A MN ST. PAUL	BPCDT	20080321ABD	CP
36A IA DAVENPORT	BPCDT	20080313AAV	CP
36A WI PARK FALLS	USERRECORD01		APP

Percent new IX = 0.0885%

Result key: 10
Scenario 10 Affected station 4
Before Analysis

Results for: 36A MN AUSTIN BPCDT 20080422AAE CP
HAAT 326.0 m, ATV ERP 620.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	563651	28808.5
not affected by terrain losses	530233	28070.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3473	169.5
lost to ATV IX only	3473	169.5
lost to all IX	3473	169.5

Potential Interfering Stations Included in above Scenario 10

35A IA WATERLOO	BLEDT	20050218ABQ	LIC
35A MN ST. PAUL	BPCDT	20080321ABD	CP
36A IA DAVENPORT	DTVPLN	DTVP1318	PLN

After Analysis

Results for: 36A MN AUSTIN BPCDT 20080422AAE CP
HAAT 326.0 m, ATV ERP 620.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	563651	28808.5
not affected by terrain losses	530233	28070.0
lost to NTSC IX	0	0.0

lost to additional IX by ATV	3939	209.8
lost to ATV IX only	3939	209.8
lost to all IX	3939	209.8

Potential Interfering Stations Included in above Scenario 10

35A IA WATERLOO	BLEDT	20050218ABQ	LIC
35A MN ST. PAUL	BPCDT	20080321ABD	CP
36A IA DAVENPORT	DTVPLN	DTVP1318	PLN
36A WI PARK FALLS	USERRECORD01		APP

Percent new IX = 0.0885%

Result key: 11
 Scenario 11 Affected station 4
 Before Analysis

Results for: 36A MN AUSTIN BPCDT 20080422AAE CP
 HAAT 326.0 m, ATV ERP 620.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	563651	28808.5
not affected by terrain losses	530233	28070.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3483	173.5
lost to ATV IX only	3483	173.5
lost to all IX	3483	173.5

Potential Interfering Stations Included in above Scenario 11

35A IA WATERLOO	BLEDT	20050218ABQ	LIC
35A MN ST. PAUL	DTVPLN	DTVP1291	PLN
36A IA DAVENPORT	BPCDT	20080313AAV	CP

After Analysis

Results for: 36A MN AUSTIN BPCDT 20080422AAE CP
 HAAT 326.0 m, ATV ERP 620.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	563651	28808.5
not affected by terrain losses	530233	28070.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3949	213.9
lost to ATV IX only	3949	213.9
lost to all IX	3949	213.9

Potential Interfering Stations Included in above Scenario 11

35A IA WATERLOO	BLEDT	20050218ABQ	LIC
35A MN ST. PAUL	DTVPLN	DTVP1291	PLN
36A IA DAVENPORT	BPCDT	20080313AAV	CP
36A WI PARK FALLS	USERRECORD01		APP

Percent new IX = 0.0885%

Result key: 12
 Scenario 12 Affected station 4
 Before Analysis

Results for: 36A MN AUSTIN BPCDT 20080422AAE CP
 HAAT 326.0 m, ATV ERP 620.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	563651	28808.5
not affected by terrain losses	530233	28070.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3473	169.5
lost to ATV IX only	3473	169.5
lost to all IX	3473	169.5

Potential Interfering Stations Included in above Scenario 12

35A IA WATERLOO	BLEDT	20050218ABQ	LIC
35A MN ST. PAUL	DTVPLN	DTVP1291	PLN
36A IA DAVENPORT	DTVPLN	DTVP1318	PLN

After Analysis

Results for: 36A MN AUSTIN BPCDT 20080422AAE CP
 HAAT 326.0 m, ATV ERP 620.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	563651	28808.5
not affected by terrain losses	530233	28070.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3939	209.8
lost to ATV IX only	3939	209.8
lost to all IX	3939	209.8

Potential Interfering Stations Included in above Scenario 12

35A IA WATERLOO	BLEDT	20050218ABQ	LIC
35A MN ST. PAUL	DTVPLN	DTVP1291	PLN
36A IA DAVENPORT	DTVPLN	DTVP1318	PLN
36A WI PARK FALLS	USERRECORD01		APP

Percent new IX = 0.0885%

Result key: 13
 Scenario 13 Affected station 4
 Before Analysis

Results for: 36A MN AUSTIN BPCDT 20080422AAE CP
 HAAT 326.0 m, ATV ERP 620.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	563651	28808.5
not affected by terrain losses	530233	28070.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3483	173.5
lost to ATV IX only	3483	173.5
lost to all IX	3483	173.5

Potential Interfering Stations Included in above Scenario 13

35A IA WATERLOO	DTVPLN	DTVP1284	PLN
35A MN ST. PAUL	BPCDT	20080321ABD	CP

36A IA DAVENPORT BPCDT 20080313AAV CP

After Analysis

Results for: 36A MN AUSTIN BPCDT 20080422AAE CP
HAAT 326.0 m, ATV ERP 620.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	563651	28808.5
not affected by terrain losses	530233	28070.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3949	213.9
lost to ATV IX only	3949	213.9
lost to all IX	3949	213.9

Potential Interfering Stations Included in above Scenario 13

35A IA WATERLOO	DTVPLN	DTVP1284	PLN
35A MN ST. PAUL	BPCDT	20080321ABD	CP
36A IA DAVENPORT	BPCDT	20080313AAV	CP
36A WI PARK FALLS	USERRECORD01		APP

Percent new IX = 0.0885%

Result key: 14
Scenario 14 Affected station 4
Before Analysis

Results for: 36A MN AUSTIN BPCDT 20080422AAE CP
POPULATION AREA (sq km)

within Noise Limited Contour	563651	28808.5
not affected by terrain losses	530233	28070.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3473	169.5
lost to ATV IX only	3473	169.5
lost to all IX	3473	169.5

Potential Interfering Stations Included in above Scenario 14

35A IA WATERLOO	DTVPLN	DTVP1284	PLN
35A MN ST. PAUL	BPCDT	20080321ABD	CP
36A IA DAVENPORT	DTVPLN	DTVP1318	PLN

After Analysis

Results for: 36A MN AUSTIN BPCDT 20080422AAE CP
HAAT 326.0 m, ATV ERP 620.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	563651	28808.5
not affected by terrain losses	530233	28070.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3939	209.8
lost to ATV IX only	3939	209.8
lost to all IX	3939	209.8

Potential Interfering Stations Included in above Scenario 14

35A IA WATERLOO	DTVPLN	DTVP1284	PLN
35A MN ST. PAUL	BPCDT	20080321ABD	CP
36A IA DAVENPORT	DTVPLN	DTVP1318	PLN

36A WI PARK FALLS USERRECORD01 APP

Percent new IX = 0.0885%

Result key: 15
Scenario 15 Affected station 4
Before Analysis

Results for: 36A MN AUSTIN BPCDT 20080422AAE CP
HAAT 326.0 m, ATV ERP 620.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	563651	28808.5
not affected by terrain losses	530233	28070.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3483	173.5
lost to ATV IX only	3483	173.5
lost to all IX	3483	173.5

Potential Interfering Stations Included in above Scenario 15

35A IA WATERLOO	DTVPLN	DTVP1284	PLN
35A MN ST. PAUL	DTVPLN	DTVP1291	PLN
36A IA DAVENPORT	BPCDT	20080313AAV	CP

After Analysis

Results for: 36A MN AUSTIN BPCDT 20080422AAE CP
HAAT 326.0 m, ATV ERP 620.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	563651	28808.5
not affected by terrain losses	530233	28070.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3949	213.9
lost to ATV IX only	3949	213.9
lost to all IX	3949	213.9

Potential Interfering Stations Included in above Scenario 15

35A IA WATERLOO	DTVPLN	DTVP1284	PLN
35A MN ST. PAUL	DTVPLN	DTVP1291	PLN
36A IA DAVENPORT	BPCDT	20080313AAV	CP
36A WI PARK FALLS	USERRECORD01		APP

Percent new IX = 0.0885%

Result key: 16
Scenario 16 Affected station 4
Before Analysis

Results for: 36A MN AUSTIN BPCDT 20080422AAE CP
HAAT 326.0 m, ATV ERP 620.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	563651	28808.5
not affected by terrain losses	530233	28070.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3473	169.5
lost to ATV IX only	3473	169.5
lost to all IX	3473	169.5

Potential Interfering Stations Included in above Scenario 16

35A IA WATERLOO	DTVPLN	DTVP1284	PLN
35A MN ST. PAUL	DTVPLN	DTVP1291	PLN
36A IA DAVENPORT	DTVPLN	DTVP1318	PLN

After Analysis

Results for: 36A MN AUSTIN BPCDT 20080422AAE CP
 HAAT 326.0 m, ATV ERP 620.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	563651	28808.5
not affected by terrain losses	530233	28070.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3939	209.8
lost to ATV IX only	3939	209.8
lost to all IX	3939	209.8

Potential Interfering Stations Included in above Scenario 16

35A IA WATERLOO	DTVPLN	DTVP1284	PLN
35A MN ST. PAUL	DTVPLN	DTVP1291	PLN
36A IA DAVENPORT	DTVPLN	DTVP1318	PLN
36A WI PARK FALLS	USERRECORD01		APP

Percent new IX = 0.0885%

Worst case new IX 0.0885% Scenario 1

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
36	KAAL	AUSTIN MN	DTVPLN	-DTVP1330

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
35	KRIN	WATERLOO IA	179.9	LIC	BLEDT	-20050218ABQ
35	KRIN	WATERLOO IA	179.9	PLN	DTVPLN	-DTVP1284
35	KSTP-TV	ST. PAUL MN	159.4	CP	BPCDT	-20080321ABD
35	KSTP-TV	ST. PAUL MN	159.4	PLN	DTVPLN	-DTVP1291
36	KWQC-TV	DAVENPORT IA	343.5	CP	BPCDT	-20080313AAV
36	KWQC-TV	DAVENPORT IA	343.5	PLN	DTVPLN	-DTVP1318
36	KWSD	SIOUX FALLS SD	275.6	APP	BPCDT	-20100217AAO
36	KWSD	SIOUX FALLS SD	275.6	PLN	DTVPLN	-DTVP1343
36	KWSD	SIOUX FALLS SD	275.6	CP MOD	BMPCDT	-20100104ADJ
36	WLEF-TV-	PARK FALLS WI	343.4	APP	USERRECORD-01	

Total scenarios = 8

Result key: 17
 Scenario 1 Affected station 5
 Before Analysis

Results for: 36A MN AUSTIN DTVPLN DTVP1330 PLN
 HAAT 295.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	493052	25247.0
not affected by terrain losses	485257	25079.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	363	55.9
lost to ATV IX only	363	55.9
lost to all IX	363	55.9

Potential Interfering Stations Included in above Scenario 1

35A MN ST. PAUL	BPCDT	20080321ABD	CP
36A IA DAVENPORT	BPCDT	20080313AAV	CP

After Analysis

Results for: 36A MN AUSTIN DTVPLN DTVP1330 PLN
 HAAT 295.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	493052	25247.0
not affected by terrain losses	485257	25079.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1222	71.8
lost to ATV IX only	1222	71.8
lost to all IX	1222	71.8

Potential Interfering Stations Included in above Scenario 1

35A MN ST. PAUL	BPCDT	20080321ABD	CP
36A IA DAVENPORT	BPCDT	20080313AAV	CP
36A WI PARK FALLS	USERRECORD01		APP

Percent new IX = 0.1772%

Result key: 18
 Scenario 2 Affected station 5
 Before Analysis

Results for: 36A MN AUSTIN DTVPLN DTVP1330 PLN
 HAAT 295.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	493052	25247.0
not affected by terrain losses	485257	25079.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	363	51.9
lost to ATV IX only	363	51.9
lost to all IX	363	51.9

Potential Interfering Stations Included in above Scenario 2

35A MN ST. PAUL	BPCDT	20080321ABD	CP
36A IA DAVENPORT	DTVPLN	DTVP1318	PLN

After Analysis

Results for: 36A MN AUSTIN DTVPLN DTVP1330 PLN
 HAAT 295.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	493052	25247.0
not affected by terrain losses	485257	25079.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1222	71.8
lost to ATV IX only	1222	71.8
lost to all IX	1222	71.8

Potential Interfering Stations Included in above Scenario 2

35A MN ST. PAUL	BPCDT	20080321ABD	CP
36A IA DAVENPORT	DTVPLN	DTVP1318	PLN
36A WI PARK FALLS	USERRECORD01		APP

Percent new IX = 0.1772%

Result key: 19
 Scenario 3 Affected station 5
 Before Analysis

Results for: 36A MN AUSTIN DTVPLN DTVP1330 PLN
 HAAT 295.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	493052	25247.0
not affected by terrain losses	485257	25079.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	363	55.9
lost to ATV IX only	363	55.9
lost to all IX	363	55.9

Potential Interfering Stations Included in above Scenario 3

35A MN ST. PAUL	DTVPLN	DTVP1291	PLN
36A IA DAVENPORT	BPCDT	20080313AAV	CP

After Analysis

Results for: 36A MN AUSTIN DTVPLN DTVP1330 PLN
 HAAT 295.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	493052	25247.0
not affected by terrain losses	485257	25079.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1222	71.8
lost to ATV IX only	1222	71.8
lost to all IX	1222	71.8

Potential Interfering Stations Included in above Scenario 3

35A MN ST. PAUL	DTVPLN	DTVP1291	PLN
36A IA DAVENPORT	BPCDT	20080313AAV	CP
36A WI PARK FALLS	USERRECORD01		APP

Percent new IX = 0.1772%

Result key: 20
 Scenario 4 Affected station 5
 Before Analysis

Results for: 36A MN AUSTIN DTVPLN DTVP1330 PLN
 HAAT 295.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	493052	25247.0
not affected by terrain losses	485257	25079.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	363	51.9
lost to ATV IX only	363	51.9
lost to all IX	363	51.9

Potential Interfering Stations Included in above Scenario 4

35A MN ST. PAUL	DTVPLN	DTVP1291	PLN
36A IA DAVENPORT	DTVPLN	DTVP1318	PLN

After Analysis

Results for: 36A MN AUSTIN DTVPLN DTVP1330 PLN
 HAAT 295.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	493052	25247.0
not affected by terrain losses	485257	25079.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1222	71.8
lost to ATV IX only	1222	71.8
lost to all IX	1222	71.8

Potential Interfering Stations Included in above Scenario 4

35A MN ST. PAUL	DTVPLN	DTVP1291	PLN
36A IA DAVENPORT	DTVPLN	DTVP1318	PLN
36A WI PARK FALLS	USERRECORD01		APP

Percent new IX = 0.1772%

Result key: 21
 Scenario 5 Affected station 5
 Before Analysis

Results for: 36A MN AUSTIN DTVPLN DTVP1330 PLN
 HAAT 295.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	493052	25247.0
not affected by terrain losses	485257	25079.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	385	63.9
lost to ATV IX only	385	63.9
lost to all IX	385	63.9

Potential Interfering Stations Included in above Scenario 5

35A MN ST. PAUL	BPCDT	20080321ABD	CP
36A IA DAVENPORT	BPCDT	20080313AAV	CP
36A SD SIOUX FALLS	BPCDT	20100217AAO	APP

After Analysis

Results for: 36A MN AUSTIN DTVPLN DTVP1330 PLN
 HAAT 295.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	493052	25247.0
not affected by terrain losses	485257	25079.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1244	79.8
lost to ATV IX only	1244	79.8
lost to all IX	1244	79.8

Potential Interfering Stations Included in above Scenario 5

35A MN ST. PAUL	BPCDT	20080321ABD	CP
36A IA DAVENPORT	BPCDT	20080313AAV	CP
36A SD SIOUX FALLS	BPCDT	20100217AAO	APP
36A WI PARK FALLS	USERRECORD01		APP

Percent new IX = 0.1772%

Result key: 22
 Scenario 6 Affected station 5
 Before Analysis

Results for: 36A MN AUSTIN DTVPLN DTVP1330 PLN
 HAAT 295.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	493052	25247.0
not affected by terrain losses	485257	25079.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	385	59.9
lost to ATV IX only	385	59.9
lost to all IX	385	59.9

Potential Interfering Stations Included in above Scenario 6

35A MN ST. PAUL	BPCDT	20080321ABD	CP
36A IA DAVENPORT	DTVPLN	DTV1318	PLN
36A SD SIOUX FALLS	BPCDT	20100217AAO	APP

After Analysis

Results for: 36A MN AUSTIN DTVPLN DTVP1330 PLN
 HAAT 295.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	493052	25247.0
not affected by terrain losses	485257	25079.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1244	79.8
lost to ATV IX only	1244	79.8
lost to all IX	1244	79.8

Potential Interfering Stations Included in above Scenario 6

35A MN ST. PAUL	BPCDT	20080321ABD	CP
36A IA DAVENPORT	DTVPLN	DTV1318	PLN
36A SD SIOUX FALLS	BPCDT	20100217AAO	APP
36A WI PARK FALLS	USERRECORD01		APP

Percent new IX = 0.1772%

Result key: 23
Scenario 7 Affected station 5
Before Analysis

Results for: 36A MN AUSTIN DTVPLN DTVP1330 PLN
HAAT 295.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	493052	25247.0
not affected by terrain losses	485257	25079.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	385	63.9
lost to ATV IX only	385	63.9
lost to all IX	385	63.9

Potential Interfering Stations Included in above Scenario 7

35A MN ST. PAUL	DTVPLN	DTVP1291	PLN
36A IA DAVENPORT	BPCDT	20080313AAV	CP
36A SD SIOUX FALLS	BPCDT	20100217AAO	APP

After Analysis

Results for: 36A MN AUSTIN DTVPLN DTVP1330 PLN
HAAT 295.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	493052	25247.0
not affected by terrain losses	485257	25079.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1244	79.8
lost to ATV IX only	1244	79.8
lost to all IX	1244	79.8

Potential Interfering Stations Included in above Scenario 7

35A MN ST. PAUL	DTVPLN	DTVP1291	PLN
36A IA DAVENPORT	BPCDT	20080313AAV	CP
36A SD SIOUX FALLS	BPCDT	20100217AAO	APP
36A WI PARK FALLS	USERRECORD01		APP

Percent new IX = 0.1772%

Result key: 24
Scenario 8 Affected station 5
Before Analysis

Results for: 36A MN AUSTIN DTVPLN DTVP1330 PLN
HAAT 295.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	493052	25247.0
not affected by terrain losses	485257	25079.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	385	59.9
lost to ATV IX only	385	59.9
lost to all IX	385	59.9

Potential Interfering Stations Included in above Scenario 8

35A MN ST. PAUL	DTVPLN	DTVP1291	PLN
36A IA DAVENPORT	DTVPLN	DTVP1318	PLN
36A SD SIOUX FALLS	BPCDT	20100217AAO	APP

After Analysis

Results for: 36A MN AUSTIN DTVPLN DTVP1330 PLN
HAAT 295.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	493052	25247.0
not affected by terrain losses	485257	25079.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1244	79.8
lost to ATV IX only	1244	79.8
lost to all IX	1244	79.8

Potential Interfering Stations Included in above Scenario 8

35A MN ST. PAUL	DTVPLN	DTVP1291	PLN
36A IA DAVENPORT	DTVPLN	DTVP1318	PLN
36A SD SIOUX FALLS	BPCDT	20100217AAO	APP
36A WI PARK FALLS	USERRECORD01		APP

Percent new IX = 0.1772%

Worst case new IX 0.1772% Scenario 5

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application Ref. No.
36	WLEF-TV-	PARK FALLS WI	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
35	WLUC-TV	MARQUETTE MI	191.7	CP	BPCDT -20041021ADR
35	WLUC-TV	MARQUETTE MI	191.7	PLN	DTVPLN -DTVP1290
35	WLUC-TV	MARQUETTE MI	191.7	LIC	BLCDT -20040202ALY
36	KAAL	AUSTIN MN	311.6	CP	BPCDT -20080422AAE
36	KAAL	AUSTIN MN	343.4	PLN	DTVPLN -DTVP1330

Total scenarios = 2

Result key: 25
Scenario 1 Affected station 6
Before Analysis

Results for: 36A WI PARK FALLS USERRECORD01 APP
HAAT 445.0 m, ATV ERP 300.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	198883	30638.1
not affected by terrain losses	197037	29840.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	502	84.1
lost to ATV IX only	502	84.1
lost to all IX	502	84.1

Potential Interfering Stations Included in above Scenario 1

36A MN AUSTIN BPCDT 20080422AAE CP

Result key: 26
Scenario 2 Affected station 6
Before Analysis

Results for: 36A WI PARK FALLS USERRECORD01 APP
HAAT 445.0 m, ATV ERP 300.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	198883	30638.1
not affected by terrain losses	197037	29840.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	151	20.0
lost to ATV IX only	151	20.0
lost to all IX	151	20.0

Potential Interfering Stations Included in above Scenario 2

36A MN AUSTIN DTVPLN DTVP1330 PLN

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