

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 09-10-2004 Time: 20:57:08

Record Selected for Analysis

USERRECORD-01 US  
Channel 45 ERP 0.14 kW HAAT 68. m RCAMSL 00333 m  
Latitude 044-48-00 Longitude 0091-27-56  
Status APP Zone 2 Border Offset +  
Dir Antenna Make usr Model NIC Beam tilt N Ref Azimuth 230.  
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

Not full service station

Facility meets maximum power limit

Azimuth (Deg)	ERP (kW)	HAAT (m)	74.0 dBu F(50,50) (km)
0.0	0.000	59.3	0.7
45.0	0.000	43.9	1.0
90.0	0.000	50.9	0.5
135.0	0.000	51.0	0.6
180.0	0.017	54.0	2.2
225.0	0.132	61.1	3.9
270.0	0.029	67.9	2.8
315.0	0.000	48.3	0.7

Contour Overlap Evaluation from LPTV Station to Full Service TV & DTV

No Spacing violations or contour overlap from LPTV station

Contour Overlap Evaluation from LPTV to Full Service TV & DTV Complete

Contour Overlap Evaluation from LPTV Station to LPTV Stations

Contour overlap to station

W45CF 45 CHIPPEWA FALLS WI BNPTTL 20000825AKB

Contour Overlap Evaluation from LPTV to LPTV Stations Complete

Contour Overlap to Proposed Station

Station  
W45CF 45 CHIPPEWA FALLS WI BNPTTL20000825AKB causes

Contour overlap to station  
45 USERRECORD01

Contour Overlap Evaluation to Proposed Station Complete

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quite zone

Proposed facility OK toward Table Mountain

Proposed facility is within the Canadian coordination distance  
Distance to border = 360.3km

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

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Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
45			USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application Ref. No.
45			USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
41	NEW	LACROSSE WI	79.4	LIC	BPRM -20001013ADO
41	WKBT	LACROSSE WI	79.4	APP	BMPCDT -20040812AAY
41	WKBT	LACROSSE WI	79.4	CP	BPCDT -20010404AAY
45	KIIN-DT	IOWA CITY IA	342.4	PLN	DTVPLN -DTVP1295
45	KSTC-TV	MINNEAPOLIS-ST. PAUL MN	134.9	LIC	BLCT -20020318AAJ
45	960722KN	RICHLAND CENTER WI	201.4	APP	BPCT -19960722KN

46	KXLT-DT	ROCHESTER MN	112.0	PLN	DTVPLN	-DTVP1331
49	WEUX	CHIPPEWA FALLS WI	23.6	CP	BPCDT	-19991027ACD
49	WEUX-DT	CHIPPEWA FALLS WI	23.7	PLN	DTVPLN	-DTVP1435
53	WKBT-DT	LA CROSSE WI	79.4	PLN	DTVPLN	-DTVP1541

Total scenarios = 3

Result key: 1  
 Scenario 1 Affected station 1  
 Before Analysis

Results for: 45N	USERRECORD01	APP
	POPULATION	AREA (sq km)
within Noise Limited Contour	18445	16.0
not affected by terrain losses	18445	16.0
lost to NTSC IX	10670	8.0
lost to additional IX by ATV	0	0.0
lost to all IX	10670	8.0

Potential Interfering Stations Included in above Scenario 1

45N MN MINNEAPOLIS-ST. PAUL	BLCT	20020318AAJ	LIC
49A WI CHIPPEWA FALLS	BPCDT	19991027ACD	CP

Result key: 2  
 Scenario 2 Affected station 1  
 Before Analysis

Results for: 45N	USERRECORD01	APP
	POPULATION	AREA (sq km)
within Noise Limited Contour	18445	16.0
not affected by terrain losses	18445	16.0
lost to NTSC IX	10670	8.0
lost to additional IX by ATV	0	0.0
lost to all IX	10670	8.0

Potential Interfering Stations Included in above Scenario 2

45N MN MINNEAPOLIS-ST. PAUL	BLCT	20020318AAJ	LIC
45N WI RICHLAND CENTER	BPCT	19960722KN	APP
49A WI CHIPPEWA FALLS	BPCDT	19991027ACD	CP

Result key: 3  
 Scenario 3 Affected station 1  
 Before Analysis

Results for: 45N	USERRECORD01	APP
	POPULATION	AREA (sq km)
within Noise Limited Contour	18445	16.0
not affected by terrain losses	18445	16.0
lost to NTSC IX	10670	8.0
lost to additional IX by ATV	0	0.0
lost to all IX	10670	8.0

Potential Interfering Stations Included in above Scenario 3

45N MN MINNEAPOLIS-ST. PAUL	BLCT	20020318AAJ	LIC
49A WI CHIPPEWA FALLS	BPCDT	19991027ACD	CP

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