

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 Mountian

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

Start of Interference Analysis

Proposed Station
Channel Call City/State ARN
45 USERRECORD01

Stations Potentially Affected by Proposed Station

Chan Call City/State Dist(km) Status Application Ref. No.

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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