

Summary Study

Percent allowed new interference: 0.500
Percent allowed new interference to non Class A LPTV: 2.000
Census data selected 2000
Data Base Selected
./data_files/pt_tvdb.sff
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 01-19-2011 Time: 09:11:45

Record Selected for Analysis

W18CU- USERRECORD-01 SISTER BAY WI US
Channel 15 ERP 3.9 kW HAAT 206. m RCAMSL 00387 m
Latitude 045-14-19 Longitude 0087-05-27
Status APP Zone 1 Border Site number: 01
Dir Antenna Make usr Model USRPAT01 Beam tilt N Ref Azimuth 0.
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 1.0 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	1.232	211.0	49.4
45.0	3.173	203.1	53.7
90.0	1.104	207.8	48.7
135.0	0.612	207.7	45.6
180.0	1.689	199.4	50.4
225.0	3.479	196.6	53.8
270.0	0.453	211.0	44.3
315.0	0.022	211.0	28.6

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

No spacing violations found to other full service stations from site # 01

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 within the Canadian coordination distance
Distance to border = 238.0km

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
15	W18CU-	SISTER BAY WI

ARN
USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	WDCQ-TV	BAD AXE MI	331.3	LIC	BLEDT	20030922ABG
15	WXSP-CD	GRAND RAPIDS MI	269.5	LIC	BLDTA	20100714AAG
15	WQOW	EAU CLAIRE WI	347.1	CP MOD	BMPCDT	20041001AOM
16	WJFW-TV	RHINELANDER WI	171.8	LIC	BLCDT	20070222AOP
22	W22BW	STURGEON BAY WI	43.2	LIC	BLTTL	19970905JD

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Study of this proposal found the following interference problem(s):

NONE.