

Summary of SunDTV Interference 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: 03-27-2015 Time: 09:57:15

Record Selected for Analysis

WMNN-LD- USERRECORD-01 LAKE CITY MI US
 Channel 14 ERP 1.97 kW HAAT 162. m RCAMSL 00566 m STRINGENT MASK
 Latitude 044-14-27 Longitude 0085-19-00
 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

Not full service station

Service Class = LD

Maximum height/power limits not checked

Site number	1		
Azimuth	ERP	HAAT	51.0 dBu F(50,90)
(Deg)	(kW)	(m)	(km)
0.0	1.970	161.6	37.1
45.0	1.970	185.3	38.5
90.0	1.970	197.9	39.2
135.0	1.970	176.3	38.0
180.0	1.970	114.3	33.9
225.0	1.970	151.4	36.4
270.0	1.970	162.9	37.1
315.0	1.970	142.9	35.8

Contour Overlap to Proposed Station

Contour Overlap Evaluation to Proposed Station Complete

NO LANDMOBILE SPACING VIOLATIONS FOUND

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 = 222.0km

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	ARN
14	WMNN-LD-	LAKE CITY MI	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	W14DS-D	FORT WAYNE IN	358.2	CP	BNPDTL	-20091228AAV
14	WOBC-CD	BATTLE CREEK MI	217.4	LIC	BLDTA	-20120403ADU
14	WKBD-TV	DETROIT MI	253.7	LIC	BLCDDT	-20090202AHW
14	WKBD-TV	DETROIT MI	253.7	CP	BPCDDT	-20080619ABE
14	W14EF-D	GRAYLING MI	62.2	CP	BNPDTL	-20100223ADE
14	W14EM-D	MARQUETTE MI	303.0	CP	BDCCDTL	-20140121ACW
14	WYST-LD	PETOSKEY MI	142.0	CP	BNPDTL	-20090825ABP
14	W14DW-D	TOMAHAWK WI	373.1	CP	BNPDTL	-20100510AFF
14	W14EA-D	WAUSAU WI	348.9	CP	BNPDTL	-20100524ABZ
15	WDCQ-TV	BAD AXE MI	153.7	LIC	BLEDT	-20030922ABG
15	WXSP-CD	GRAND RAPIDS MI	140.3	LIC	BLDTA	-20100714AAG
15	W15DP-D	GRAYLING MI	62.2	CP	BNPDTL	-20100223ADD
15	W15DF-D	HOUGHTON LAKE MI	41.2	CP	BNPDTL	-20100223AAN
15	W15BP	PINCONNING MI	107.2	LIC	BLTTL	-20030609AAR
15	W15DJ-D	SISTER BAY WI	178.6	LIC	BLDTT	-20150122AAB
22	WKNX-LP	PINCONNING MI	122.1	LIC	BLTTL	-20030714AEI

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

NONE.