

Study created: 2017.12.05 16:17:02

Study build station data: LMS TV 2017-12-04 (39)

Proposal: WLPC-CD D28 DC CP Redford, MI
File number: BLANK0000024873
Facility ID: 168471
Station data: User record
Record ID: 126
Country: U.S.

Build options:
Protect LPTV records from Class A

Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number	
Distance						
WSYM-TV	D28	DT	CP	LANSING, MI	BLANK0000026760	132.7
km						
WSYM-TV	D28	DT	BL	LANSING, MI	DTVBL74094	132.7

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D28
Mask: Full Service
Latitude: 42 19 55.00 N (NAD83)
Longitude: 83 2 42.00 W
Height AMSL: 316.0 m
HAAT: 0.0 m
Peak ERP: 4.00 kW
Antenna: Kathrein-K723147/K733147 (ID 1001274) 340.0 deg
Elev Pattnr: Generic
Elec Tilt: 0.50

50.1 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	2.77 kW	124.9 m	37.5 km
45.0	0.078	134.1	19.7
90.0	0.000	140.1	5.9
135.0	0.000	128.4	5.1
180.0	0.000	136.1	5.3
225.0	0.000	139.6	6.4
270.0	0.110	133.7	21.4
315.0	2.97	119.1	37.4

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 132 m

**Proposal service area extends beyond baseline plus 1.0%
Proposal service area population is more than 95.0% of baseline

**Proposal 25.14 dBu contour crosses Canadian border, coordination required
Distance to Canadian border: 2.2 km

Distance to Mexican border: 2152.6 km

Conditions at FCC monitoring station: Allegan MI

Bearing: 278.2 degrees Distance: 240.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 270.0 degrees Distance: 1864.1 km

Study cell size: 1.00 km

Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%

Maximum new IX to LPTV: 2.00%

Proposal receives 2.71% interference from scenario 1

Proposal receives 3.91% interference from scenario 2

No IX check failures found.