

Study created: 2017.08.27 21:23:38

Study build station data: LMS TV 2017-08-20 (15)

Proposal: WCMV D34 DT CP CADILLAC, MI
File number: BLANK0000027435
Facility ID: 9922
Station data: User record
Record ID: 9
Country: U.S.
Zone: II

Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number
Distance					
WWSR-TV	D34	DT	CP	MAYVILLE, WI	BLANK0000026658
312.1 km					
WWSR-TV	D34	DT	BL	MAYVILLE, WI	DTVBL68547
312.1					

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D34
Latitude: 44 44 53.00 N (NAD83)
Longitude: 85 4 8.00 W
Height AMSL: 744.0 m
HAAT: 393.0 m
Peak ERP: 576 kW
Antenna: DIE-TUF-P4-12/48H-1 (ID 1001625) 0.0 deg
Elev Pattn: Generic
Elec Tilt: 0.80

40.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	569 kW	393.8 m	100.9 km
45.0	183	367.5	90.0
90.0	186	368.5	90.2
135.0	183	397.0	92.0
180.0	576	393.0	101.0
225.0	260	390.4	94.2
270.0	359	435.6	100.0
315.0	259	428.4	96.6

Database HAAT does not agree with computed HAAT
Database HAAT: 393 m Computed HAAT: 397 m

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

**Proposal is within coordination distance of Canadian border
Distance to Canadian border: 165.8 km

Distance to Mexican border: 2195.6 km

Conditions at FCC monitoring station: Allegan MI
Bearing: 197.0 degrees Distance: 248.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 259.8 degrees Distance: 1725.0 km

Study cell size: 2.00 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 1.27% interference from scenario 1
Proposal receives 1.33% interference from scenario 2
Proposal receives 1.27% interference from scenario 3
Proposal receives 1.32% interference from scenario 4
No IX check failures found.