

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Coleman4d2kwSAM180T, Model: Longley-Rice

Start: 2024.02.05 11:29:12

Study created: 2024.02.05 11:29:12

Study build station data: LMS TV 2024-02-05

Proposal: W04DY-D D4 LD APP COLEMAN, MI

Facility ID: 184811

Station data: User record

Record ID: 2091

Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WHNE-LD	D3	LD	LIC	DETROIT, MI	BLANK0000111556	183.5 km
No	WHNE-LD	D3	LD	APP	DETROIT, MI	BLANK0000074644	183.5
No	WOCK-CD	D4	DC	LIC	CHICAGO, IL	BLANK0000163766	319.0
No	WLMA	D4	DT	LIC	LIMA, OH	BLANK0000078570	331.1

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D4

Mask: Stringent

Latitude: 43 43 33.00 N (NAD83)

Longitude: 84 36 19.00 W

Height AMSL: 238.0 m (Adjusted based on actual ground elevation calculation)

HAAT: 0.0 m

Peak ERP: 2.00 kW

Antenna: SAMCO-SAM-137 (ID 1009391) 180.0 deg
Elev Pattn: Generic

43.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.039 kW	6.8 m	12.0 km
45.0	0.018	16.7	10.0
90.0	0.002	31.6	5.6
135.0	0.451	33.9	22.7
180.0	2.00	23.9	29.1
225.0	0.451	15.2	21.8
270.0	0.002	1.5	5.5
315.0	0.018	-3.0	10.0

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 16 m

Proposal 13.00 dBu contour does not cross Canadian border
Distance to Canadian border: 193.9 km

Distance to Mexican border: 2146.6 km

Conditions at FCC monitoring station: Allegan MI
Bearing: 221.8 degrees Distance: 165.8 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 264.0 degrees Distance: 1745.5 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%

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W04DY-D	D4	LD	APP	COLEMAN, MI		

	Service area		Terrain-limited		IX-free		Percent IX
843.3	53,952	787.6	53,041	787.6	53,041	0.00	0.00