

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: maple4d3kwincsam137arrayat60f, Model: Longley-Rice

Start: 2021.09.09 22:46:19

Study created: 2021.09.09 22:46:19

Study build station data: LMS TV 2021-09-10

Proposal: W04DY-D D4 LD LIC MAPLE VALLEY, MI

Facility ID: 184811

Station data: User record

Record ID: 1035

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	202.6 km
No	WHNE-LD	D3	LD	APP	DETROIT, MI	BLANK0000074644	202.6
No	WOCK-CD	D4	DC	CP	CHICAGO, IL	BLANK0000036100	345.4
No	WOCK-CD	D4	DC	LIC	CHICAGO, IL	BLDVA20100107AAN	345.4
No	WTLW	D4	DT	LIC	LIMA, OH	BLANK0000078570	360.3

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 59 49.20 N (NAD83)

Longitude: 84 29 27.00 W

Height AMSL: 309.2 m

HAAT: 0.0 m

Peak ERP: 3.00 kW
Antenna: SAM-SAM-137 Array (ID 1007827) 60.0 deg
Elev Pattn: Generic

43.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	3.00 kW	38.3 m	33.8 km
45.0	1.43	65.2	36.6
90.0	1.83	81.9	41.3
135.0	2.59	83.4	44.0
180.0	0.691	84.4	35.4
225.0	0.180	59.4	23.8
270.0	0.108	32.4	15.7
315.0	1.33	30.0	27.0

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 59 m

**Proposal 13.00 dBu contour crosses Canadian border, coordination required
Distance to Canadian border: 195.3 km

Distance to Mexican border: 2173.3 km

Conditions at FCC monitoring station: Allegan MI
Bearing: 218.0 degrees Distance: 194.8 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 263.1 degrees Distance: 1758.0 km

Study cell size: 1.00 km
Profile point spacing: 0.10 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	LIC	MAPLE VALLEY, MI		

	Service area		Terrain-limited		IX-free		Percent IX
3550.3	68,888	3538.2	67,707	3538.2	67,707	0.00	0.00