

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: MapleValley27d1kwincSam460at235fA2, Model: Longley-Rice
Start: 2022.08.09 10:03:43

Study created: 2022.08.09 10:03:43

Study build station data: LMS TV 2022-08-09

Proposal: W27ET-D D27 LD LIC MAPLE VALLEY, MI
Facility ID: 184810
Station data: User record
Record ID: 2325
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	WCMU-TV	D26	DT	LIC	MOUNT PLEASANT, MI	BLEDT20130710ABN	62.6 km
No	W27EB-D	D27	DC	LIC	SUGAR GROVE, IL	BLANK00000151822	346.8
No	WSOT-LD	D27	LD	LIC	MARION, IN	BLDTL20111212AGP	392.1
No	WNDU-TV	D27	DT	LIC	SOUTH BEND, IN	BLANK00000116736	306.9
No	DDWFHD-LP	N27z	TX	APP	ANN ARBOR, MI	BLTT20000925AAY	214.1
No	W27DQ-D	D27	LD	CP	ELMHURST, MI	BLANK00000189083	159.4
No	W48CL	D27+	LD	CP	GRAND RAPIDS, MI	BLANK00000195649	151.5
No	WADL	D27	DT	LIC	MOUNT CLEMENS, MI	BLANK00000111708	220.6
No	W27DU-D	D27	LD	CP	TRAVERSE CITY, MI	BLANK00000189087	113.1
No	W27EA-D	D27	DC	LIC	CLEVELAND, OH	BLANK00000116762	383.8
No	W27EA-D	D27	DC	APP	CLEVELAND, OH	BLANK00000189242	383.8
No	WPNM-LD	D27z	LD	LIC	LIEPSIC, OH	BLANK00000090626	334.2
No	WQLN	D27	DT	LIC	ERIE, PA	BLANK00000083708	433.2
No	WVTV	D27	DT	LIC	MILWAUKEE, WI	BLANK00000121792	288.5
No	W28EJ-D	D28	LD	LIC	CHARLES, MI	BLANK00000193263	221.3
No	WSYM-TV	D28	DT	LIC	LANSING, MI	BLANK00000177429	181.5
No	WSYM-TV	D28	DT	APP	LANSING, MI	BLANK00000181141	181.5
No	WBWM-LD	D28	LD	LIC	MT PLEASANT, MI	BLANK00000152432	56.7
No	WBWM-LD	D28	LD	CP	MT PLEASANT, MI	BLANK00000163180	89.7

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D27
Mask: Full Service
Latitude: 44 6 1.00 N (NAD83)
Longitude: 84 35 55.00 W
Height AMSL: 341.8 m
HAAT: 0.0 m
Peak ERP: 1.00 kW
Antenna: SAM-SAM-460 (ID 1004146) 235.0 deg
Elev Pattn: Generic

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.000 kW	-34.0 m	1.8 km
45.0	0.000	18.1	1.8
90.0	0.000	70.0	2.7
135.0	0.000	75.1	2.8
180.0	0.000	71.2	3.4
225.0	0.792	36.6	18.4
270.0	0.062	-11.2	8.9
315.0	0.000	-6.5	1.8

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 27 m

Proposal 25.05 dBu contour does not cross Canadian border

Distance to Canadian border: 206.4 km

Distance to Mexican border: 2174.4 km

Conditions at FCC monitoring station: Allegan MI

Bearing: 213.9 degrees Distance: 199.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 262.6 degrees Distance: 1750.9 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

Desired:	Call W27ET-D	Chan D27	Svc LD	Status LIC	City, State MAPLE VALLEY, MI	File Number	Distance
Undesireds:	WBWM-LD	D28	LD	LIC	MT PLEASANT, MI	BLANK0000152432	56.7 km

Service area	Terrain-limited	IX-free	Percent IX
179.5 3,404	179.5 3,404	179.5 3,404	0.00 0.00