

# INTERFERENCE ANALYSIS FOR WTLW(TV)

## LIMA, OHIO, CHANNEL 4

tvstudy v2.2.3 (Dxtpx3)

Database: localhost, Study: WTLW-CH4e, Model: Longley-Rice

Study build station data: LMS TV 2017-10-10 (67)

Proposal: WTLW-CH4E D4 DT APP LIMA, OH  
File number: WTLW-CH4e  
Facility ID: 1222  
Station data: User record  
Record ID: 1522  
Country: U.S.  
Zone: I

Search options:

Non-U.S. records included

No protected stations found.

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  
Latitude: 40 45 47.00 N (NAD83)  
Longitude: 84 10 59.00 W  
Height AMSL: 460.0 m  
HAAT: 207.0 m  
Peak ERP: 10.0 kW  
Antenna: Omnidirectional  
Elev Pattn: Generic

28.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	10.0 kW	223.9 m	100.2 km
45.0	10.0	213.4	99.1
90.0	10.0	192.5	97.1
135.0	10.0	187.1	96.6
180.0	10.0	198.4	97.6
225.0	10.0	205.8	98.4
270.0	10.0	214.7	99.2
315.0	10.0	222.9	100.1

\*\*Proposal is within coordination distance of Canadian border

Distance to Canadian border: 153.7 km

Distance to Mexican border: 1975.2 km

Conditions at FCC monitoring station: Allegan MI

Bearing: 324.9 degrees Distance: 252.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 274.7 degrees Distance: 1776.6 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%

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Interference to proposal, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WTLW-CH4E	D4	DT	APP	LIMA, OH	WTLW-CH4e	
Undesireds:	WGGN-TV	D3	DT	APP	SANDUSKY, OH	BLANK0000027852	149.5 km
	WOCK-CD	D4	DC	LIC	CHICAGO, IL	BLDVA20100107AAN	313.6

	Service area		Terrain-limited		IX-free		Percent IX	
	30521.5	1,643,585	30489.3	1,641,223	30489.3	1,641,223	0.00	0.00

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