

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: LimaEX30d15kwTUA10T, Model: Longley-Rice

Start: 2021.06.24 09:51:07

Study created: 2021.06.24 09:51:07

Study build station data: LMS TV 2021-06-24

Proposal: W30EX-D D30 LD APP LIMA, OH

Facility ID: 187441

Station data: User record

Record ID: 331

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	WMAQ-TV	D29	DT	LIC	CHICAGO, IL	BLANK0000053194	277.3 km
No	WEDX-LD	D29	LD	CP	FORT WAYNE, IN	BLANK0000036232	50.9
No	W51DU	D29-	LD	CP	LAFAYETTE, IN	BLANK0000054375	223.5
No	WSBT-TV	D29	DT	LIC	SOUTH BEND, IN	BLANK0000087455	156.1
No	WXON-LP	D29+	LD	CP	FLINT, MI	BLANK0000143972	228.4
No	WLNM-LD	D29	LD	LIC	LANSING, MI	BLANK0000124986	170.2
No	W29EL-D	D29	LD	LIC	LIMA, OH	BLANK0000150241	42.6
No	W29EL-D	D29	LD	LIC	LIMA, OH	BLANK0000150847	85.8
No	W29EL-D	D29	LD	CP	LIMA, OH	BLANK0000150352	85.8
No	WAMS-LD	D29z	LD	LIC	MINSTER/NEW BREMEN, OH	BLANK0000106606	89.8
No	WPTO	D29	DT	LIC	OXFORD, OH	BLANK0000113643	230.3
No	WGTE-TV	D29	DT	LIC	TOLEDO, OH	BLDT20031110AKO	97.9
No	WOOH-LD	D29	LD	CP	ZANESVILLE, OH	BLANK0000116352	168.3
No	WCRD-LP	D30	LD	CP	CARTHAGE, IL	BDCCDTL20061030AMS	411.6
No	WEIU-TV	D30	DT	LIC	CHARLESTON, IL	BLANK0000093935	374.5
No	WDCI-LD	D30	LD	CP	CHICAGO, IL	BLANK0000106360	276.8
No	WDCI-LD	D30	LD	LIC	CHICAGO, IL	BLDTL20120131AAW	276.3
No	WSPY-LD	D30	LD	LIC	EARLVILLE, IL	BLANK0000107800	349.3

No	W30DO-D	D30	LD	CP	BRAZIL, IN	BNPDTL20100510AFI	335.9
No	WSJV	D30	DT	LIC	ELKHART, IN	BLANK00000124380	156.1
No	W30EH-D	D30	LD	LIC	FORT WAYNE, IN	BLANK00000080842	60.7
No	WSDI-LD	D30	LD	LIC	Indianapolis, IN	BLANK00000107877	208.2
No	WKPC-TV	D30	DT	LIC	LOUISVILLE, KY	BLANK00000087420	336.3
No	WKMR	D30	DT	LIC	MOREHEAD, KY	BLANK00000075044	346.7
No	WNEM-TV	D30	DT	LIC	BAY CITY, MI	BLANK00000113433	257.5
No	WVIZ	D30	LD	CP	Cleveland, OH	BLANK00000120864	232.5
No	W30EY-D	D30	LD	LIC	LIMA, OH	BLANK00000150253	42.6
No	W30EY-D	D30	LD	LIC	LIMA, OH	BLANK00000150744	84.4
No	W30EY-D	D30	LD	CP	LIMA, OH	BLANK00000150354	84.4
No	WHIZ-TV	D30	DT	LIC	ZANESVILLE, OH	BLANK00000125049	249.9
No	WBPA-LD	N30+	TX	LIC	PITTSBURGH, PA	BLANK00000007299	378.9
No	WPTG-CD	D30	DC	LIC	Pittsburgh, PA	BLANK00000129480	384.8
No	W30EI-D	D30z	LD	LIC	SHARON, PA	BLANK00000107600	334.5
No	WPXE-TV	D30	DT	LIC	KENOSHA, WI	BLANK00000087614	354.9
No	WPVS-LP	D30	LD	CP	MILWAUKEE, WI	BMPDTL20130205ACP	355.7
No	W30CO-D	D30	LD	LIC	WHEELING, WV	BLDTT20100112AAM	334.9
No	WFLD	D31	DT	LIC	CHICAGO, IL	BLANK00000055195	277.3
No	W31ET-D	D31	LD	CP	FORT WAYNE, IN	BLANK00000074400	50.9
No	WNIT	D31	DT	LIC	SOUTH BEND, IN	BLANK00000087078	153.8
No	WMYD	D31	DT	LIC	DETROIT, MI	BLANK00000125639	173.9
No	WDTN	D31	DT	LIC	DAYTON, OH	BLANK00000126718	164.7
No	WDMY-LP	N38-	TX	LIC	TOLEDO, OH	BLTT20050805AAT	85.2

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D30
Mask: Stringent
Latitude: 41 11 41.40 N (NAD83)
Longitude: 84 25 52.20 W
Height AMSL: 228.0 m
HAAT: 0.0 m
Peak ERP: 15.0 kW

Antenna: DIE-TUA (ID 120649) 10.0 deg
Elev Pattn: Generic

50.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	13.9 kW	12.8 m	29.6 km
45.0	5.59	12.0	25.5
90.0	0.013	10.2	6.0
135.0	0.077	9.1	9.2
180.0	0.045	12.0	8.1
225.0	0.030	9.0	7.3
270.0	0.044	9.1	8.0
315.0	1.15	11.6	18.1

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 11 m

Proposal 25.32 dBu contour does not cross Canadian border
Distance to Canadian border: 135.5 km

Distance to Mexican border: 1986.4 km

Conditions at FCC monitoring station: Allegan MI
Bearing: 321.7 degrees Distance: 201.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 273.1 degrees Distance: 1752.6 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:	W30EX-D	D30	LD	APP	LIMA, OH		
Undesireds:	W29EL-D	D29	LD	LIC	LIMA, OH	BLANK00000150241	42.6 km
	WDCI-LD	D30	LD	CP	CHICAGO, IL	BLANK00000106360	276.8
	WSJV	D30	DT	LIC	ELKHART, IN	BLANK00000124380	156.1
	W30EH-D	D30	LD	LIC	FORT WAYNE, IN	BLANK00000080842	60.7
	W30EY-D	D30	LD	LIC	LIMA, OH	BLANK00000150253	42.6

Service area	Terrain-limited	IX-free	Percent IX
850.0 33,908	850.0 33,908	831.8 33,566	2.14 1.01

Undesired	Total IX	Unique IX	Prcnt Unique IX
WSJV D30 DT LIC	1.0 18 0.0	0 0.00 0.00	
W30EH-D D30 LD LIC	18.2 342 17.2	324 2.02 0.96	