

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Lima30d5kwTUA170T, Model: Longley-Rice

Start: 2021.06.03 08:51:14

Study created: 2021.06.03 08:51:13

Study build station data: LMS TV 2021-06-02

Proposal: W42EP-D D30 LD APP LIMA, OH

Facility ID: 187440

Station data: User record

Record ID: 2367

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	WEDX-LD	D29	LD	CP	FORT WAYNE, IN	BLANK0000036232	36.4 km
No	W51DU	D29-	LD	CP	LAFAYETTE, IN	BLANK0000054375	198.8
No	WSBT-TV	D29	DT	LIC	SOUTH BEND, IN	BLANK0000087455	162.4
No	WLNM-LD	D29	LD	LIC	LANSING, MI	BLANK0000124986	210.6
No	W29EL-D	D29	LD	CP	LIMA, OH	BNPDTL20100609AFJ	5.0
No	WAMS-LD	D29z	LD	LIC	MINSTER/NEW BREMEN, OH	BLANK0000106606	52.4
No	WPTO	D29	DT	LIC	OXFORD, OH	BLANK0000113643	189.5
No	WGTE-TV	D29	DT	LIC	TOLEDO, OH	BLANK0000113643	133.0
No	WOOH-LD	D29	LD	LIC	ZANESVILLE, OH	BLANK0000114544	171.8
No	WOOH-LD	D29	LD	CP	ZANESVILLE, OH	BLANK0000116352	148.8
No	WCRD-LP	D30	LD	CP	CARTHAGE, IL	BDCCDTL20061030AMS	415.1
No	WEIU-TV	D30	DT	LIC	CHARLESTON, IL	BLANK0000093935	345.8
No	WDCI-LD	D30	LD	CP	CHICAGO, IL	BLANK0000106360	280.3
No	WDCI-LD	D30	LD	LIC	CHICAGO, IL	BLANK0000106360	279.5
No	WSPY-LD	D30	LD	LIC	EARLVILLE, IL	BLANK0000107800	346.6
No	W30DO-D	D30	LD	CP	BRAZIL, IN	BNPDTL20100510AFI	300.7
No	WSJV	D30	DT	LIC	ELKHART, IN	BLANK0000124380	162.4
No	WELW-LD	D30	LD	CP	EVANSVILLE, IN	BLANK0000138318	406.8

No	W30EH-D	D30	LD	LIC	FORT WAYNE, IN	BLANK0000080842	56.1
No	WSDI-LD	D30	LD	LIC	Indianapolis, IN	BLANK0000107877	172.4
No	WKPC-TV	D30	DT	LIC	LOUISVILLE, KY	BLANK0000087420	293.8
No	WKMR	D30	DT	LIC	MOREHEAD, KY	BLANK0000075044	311.5
No	WNEM-TV	D30	DT	LIC	BAY CITY, MI	BLANK0000113433	299.9
No	WVIZ	D30	LD	CP	Cleveland, OH	BLANK0000120864	254.4
No	WHIZ-TV	D30	DT	LIC	ZANESVILLE, OH	BLANK0000125049	241.4
No	WPTG-CD	D30	DC	LIC	Pittsburgh, PA	BLANK0000129480	391.7
No	W30EI-D	D30z	LD	LIC	SHARON, PA	BLANK0000107600	350.9
No	WPXE-TV	D30	DT	LIC	KENOSHA, WI	BLANK0000087614	371.9
No	WPVS-LP	D30	LD	CP	MILWAUKEE, WI	BMPDTL20130205ACP	372.7
No	W30CO-D	D30	LD	LIC	WHEELING, WV	BLDTT20100112AAM	334.9
No	W31ET-D	D31	LD	CP	FORT WAYNE, IN	BLANK0000074400	36.4
No	WQDE-LD	D31	LD	LIC	Indianapolis, IN	BLANK0000108667	172.4
No	WNIT	D31	DT	LIC	SOUTH BEND, IN	BLANK0000087078	160.3
No	WMYD	D31	DT	LIC	DETROIT, MI	BLANK0000125639	214.6
No	WDTN	D31	DT	LIC	DAYTON, OH	BLANK0000126718	126.4

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: Full Service  
 Latitude: 40 49 43.00 N (NAD83)  
 Longitude: 84 34 50.00 W  
 Height AMSL: 252.0 m  
 HAAT: 0.0 m  
 Peak ERP: 5.00 kW  
 Antenna: DIE-TUA (ID 120649) 170.0 deg  
 Elev Pattn: Generic

50.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.015 kW	20.8 m	6.2 km
45.0	0.019	18.4	6.6

90.0	0.004	12.5	4.5
135.0	1.86	6.1	20.4
180.0	4.63	3.0	24.6
225.0	0.382	2.2	13.6
270.0	0.015	5.8	6.2
315.0	0.010	14.0	5.6

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m    Computed HAAT: 10 m

Proposal 25.32 dBu contour does not cross Canadian border  
Distance to Canadian border: 170.7 km

Distance to Mexican border: 1952.2 km

Conditions at FCC monitoring station: Allegan MI  
Bearing: 330.4 degrees    Distance: 228.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 274.3 degrees    Distance: 1742.7 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%

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Interference to proposal scenario 1  
46.89% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W42EP-D	D30	LD	APP	LIMA, OH		

Undesireds:	W29EL-D	D29	LD	CP	LIMA, OH	BNPDTL20100609AFJ	5.0 km
	WDCI-LD	D30	LD	CP	CHICAGO, IL	BLANK00000106360	280.3
	WSJV	D30	DT	LIC	ELKHART, IN	BLANK00000124380	162.4
	W30EH-D	D30	LD	LIC	FORT WAYNE, IN	BLANK00000080842	56.1

Service area	Terrain-limited	IX-free	Percent IX
550.7 19,150	550.7 19,150	488.1 10,171	11.37 46.89

Undesired	Total IX	Unique IX	Prcnt Unique IX
W29EL-D D29 LD CP	26.8 8,665	25.8 8,648	4.68 45.16
WSJV D30 DT LIC	7.0 73	0.0 0	0.00 0.00
W30EH-D D30 LD LIC	36.8 331	28.8 241	5.24 1.26