

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Sidney30d2500WDual150FF, Model: Longley-Rice

Start: 2021.07.06 07:25:35

Study created: 2021.07.06 07:25:35

Study build station data: LMS TV 2021-07-06

Proposal: W30EY-D D30 LD APP LIMA, OH

File number: BLANK0000151456

Facility ID: 187440

Station data: User record

Record ID: 434

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	DDW22DE	N22+	TX	APP	DAYTON, OH	BLTTTL20100511AAU	38.9 km
No	WEDX-LD	D29	LD	CP	FORT WAYNE, IN	BLANK0000036232	124.8
No	WSBT-TV	D29	DT	LIC	SOUTH BEND, IN	BLANK0000087455	247.2
No	W29EL-D	D29	LD	LIC	LIMA, OH	BLANK0000151056	89.1
No	W29EL-D	D29	LD	APP	LIMA, OH	BLANK0000151455	108.0
No	WAMS-LD	D29z	LD	LIC	MINSTER/NEW BREMEN, OH	BLANK0000106606	42.1
No	WPTO	D29	DT	LIC	OXFORD, OH	BLANK0000113643	108.8
No	WGTE-TV	D29	DT	LIC	TOLEDO, OH	BLEDT20031110AKO	187.4
No	WOOH-LD	D29	LD	LIC	ZANESVILLE, OH	BLANK0000114544	102.2
No	WOOH-LD	D29	LD	CP	ZANESVILLE, OH	BLANK0000116352	79.8
No	WCHS-TV	D29	DT	LIC	CHARLESTON, WV	BLANK0000059340	264.7
No	WEIU-TV	D30	DT	LIC	CHARLESTON, IL	BLANK0000093935	361.1
No	WDCI-LD	D30	LD	CP	CHICAGO, IL	BLANK0000106360	358.0
No	WDCI-LD	D30	LD	LIC	CHICAGO, IL	BLDTL20120131AAW	357.0
No	W30DO-D	D30	LD	CP	BRAZIL, IN	BNPDTL20100510AFI	295.7
No	WSJV	D30	DT	LIC	ELKHART, IN	BLANK0000124380	247.2
No	WELW-LD	D30	LD	CP	EVANSVILLE, IN	BLANK0000138318	375.3

No	W30EH-D	D30	LD	LIC	FORT WAYNE, IN	BLANK0000080842	144.6
No	WSDI-LD	D30	LD	LIC	Indianapolis, IN	BLANK0000107877	178.1
No	WKPC-TV	D30	DT	LIC	LOUISVILLE, KY	BLANK0000087420	238.3
No	WKMR	D30	DT	LIC	MOREHEAD, KY	BLANK0000075044	217.7
No	WNEM-TV	D30	DT	LIC	BAY CITY, MI	BLANK0000113433	380.4
No	WVIZ	D30	LD	LIC	Cleveland, OH	BLANK0000151111	261.6
No	W30EX-D	D30	LD	LIC	LIMA, OH	BLANK0000151048	129.4
No	W30EX-D	D30	LD	APP	LIMA, OH	BLANK0000151260	166.9
No	WHIZ-TV	D30	DT	LIC	ZANESVILLE, OH	BLANK0000125049	182.7
No	WBPA-LD	N30+	TX	LIC	PITTSBURGH, PA	BLANK0000007299	348.5
No	WPTG-CD	D30	DC	LIC	Pittsburgh, PA	BLANK0000129480	355.6
No	W30EI-D	D30z	LD	LIC	SHARON, PA	BLANK0000107600	338.2
No	WDBJ	D30	DT	LIC	ROANOKE, VA	BLANK0000094109	468.7
No	WPXE-TV	D30	DT	LIC	KENOSHA, WI	BLANK0000087614	460.6
No	W30DU-D	D30	LD	CP	SUTTON, WV	BNPDTL20100514AAO	334.9
No	W30CO-D	D30	LD	LIC	WHEELING, WV	BLDTT20100112AAM	286.9
No	W31ET-D	D31	LD	CP	FORT WAYNE, IN	BLANK0000074400	124.8
No	WQDE-LD	D31	LD	LIC	Indianapolis, IN	BLANK0000108667	178.1
No	WNIT	D31	DT	LIC	SOUTH BEND, IN	BLANK0000087078	245.3
No	WMYD	D31	DT	LIC	DETROIT, MI	BLANK0000125639	277.7
No	WDTN	D31	DT	LIC	DAYTON, OH	BLANK0000126718	39.0
No	WJOS-LD	D31	LD	CP	POMEROY, OH	BLANK0000054745	212.7
No	WTZP-LD	D31	LD	LIC	PORTSMOUTH, OH	BLANK0000074508	170.3
No	WWRD-LP	N32+	TX	LIC	DAYTON, OH	BLTTL20071011AAP	41.8

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 3 16.00 N (NAD83)  
Longitude: 84 7 30.00 W  
Height AMSL: 302.0 m  
HAAT: 0.0 m  
Peak ERP: 2.50 kW

Antenna: DIE-TUA-P2 (ID 1000747) 150.0 deg  
Elev Pattn: Generic

50.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	1.15 kW	-9.7 m	18.1 km
45.0	0.011	-39.2	5.8
90.0	0.011	-40.5	5.8
135.0	1.98	7.4	20.7
180.0	1.15	29.0	18.1
225.0	0.011	36.0	6.2
270.0	0.011	28.2	5.8
315.0	1.98	25.3	20.7

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m    Computed HAAT: 5 m

Proposal 25.32 dBu contour does not cross Canadian border  
Distance to Canadian border: 217.4 km

Distance to Mexican border: 1935.1 km

Conditions at FCC monitoring station: Allegan MI  
Bearing: 332.3 degrees    Distance: 322.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 277.2 degrees    Distance: 1789.7 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  
20.84% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W30EY-D	D30	LD	APP	LIMA, OH	BLANK00000151456	
Undesireds:	W29EL-D	D29	LD	LIC	LIMA, OH	BLANK00000151056	89.1 km
	WOOH-LD	D29	LD	LIC	ZANESVILLE, OH	BLANK00000114544	102.2
	W30EX-D	D30	LD	LIC	LIMA, OH	BLANK00000151048	129.4
	WDTN	D31	DT	LIC	DAYTON, OH	BLANK00000126718	39.0

Service area	Terrain-limited	IX-free	Percent IX
713.9 70,899	713.9 70,899	553.3 56,123	22.50 20.84

Undesired	Total IX	Unique IX	Prcnt Unique IX
WDTN D31 DT LIC	160.6 14,776	160.6 14,776	22.50 20.84