

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Portland29d15kwTUA230T, Model: Longley-Rice

Start: 2021.06.24 10:51:57

Study created: 2021.06.24 10:51:56

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

Proposal: W29EL-D D29 LD APP Portland, IN

Facility ID: 187439

Station data: User record

Record ID: 334

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	108.6 km
No	WIPX-TV	D28	DT	LIC	BLOOMINGTON, IN	BLANK0000106045	161.3
No	W28EY-D	D28	LD	CP	FORT WAYNE, IN	BLANK0000071946	54.8
No	WJSJ-CD	D28	DC	LIC	INDIANAPOLIS, IN	BLANK0000086502	58.2
No	WMYS-LD	D28	LD	LIC	SOUTH BEND, IN	BLANK0000086895	157.6
No	WSYM-TV	D28	DT	LIC	LANSING, MI	BLANK0000105571	216.2
No	WSYM-TV	D28	DT	APP	LANSING, MI	BLANK0000143341	216.2
No	WBQC-LD	D28	LD	LIC	CINCINNATI, OH	BLANK0000088128	161.8
No	WSYX	D28	DT	LIC	COLUMBUS, OH	BLANK0000129744	177.9
No	WAUR-LD	D29	LD	LIC	AURORA, IL	BLANK0000107754	327.4
No	WAUR-LD	D29	LD	CP	AURORA, IL	BLANK0000108665	298.0
No	WMAQ-TV	D29	DT	LIC	CHICAGO, IL	BLANK0000053194	268.6
No	W29CI-D	D29	DC	LIC	SALEM, IL	BLDTA20120913AAP	409.4
No	WEDX-LD	D29	LD	CP	FORT WAYNE, IN	BLANK0000036232	49.0
No	WJYL-CD	D29	DC	LIC	JEFFERSONVILLE, IN	BLANK0000087052	252.1
No	W51DU	D29-	LD	CP	LAFAYETTE, IN	BLANK0000054375	161.5
No	WSBT-TV	D29	DT	LIC	SOUTH BEND, IN	BLANK0000087455	159.4
No	W29FI-D	D29	LD	CP	TERRE HAUTE, IN	BLANK0000071923	250.4

No	WKGB-TV	D29	DT	LIC	BOWLING GREEN, KY	BLANK0000087457	409.5
No	WXON-LP	D29+	LD	CP	FLINT, MI	BLANK0000143972	311.7
No	WUHQ-LD	D29	LD	LIC	GRAND RAPIDS, MI	BLDTL20111121AAI	275.5
No	WLNK-LD	D29	LD	LIC	LANSING, MI	BLANK0000124986	245.6
No	WOMS-CD	D29	DC	LIC	MUSKEGON, MI	BLDTA20110812ACT	316.6
No	WGTU	D29	DT	CP	TRAVERSE CITY, MI	BLANK0000035794	468.2
No	WGTU	D29	DT	LIC	TRAVERSE CITY, MI	BLCDT20090622AFH	468.2
No	WNEO	D29	DT	LIC	ALLIANCE, OH	BLANK0000120667	343.9
No	WAMS-LD	D29z	LD	LIC	MINSTER/NEW BREMEN, OH	BLANK0000106606	53.9
No	WIVN-LD	D29	LD	LIC	NEWCOMERSTOWN, OH	BLDTL20101222AAZ	293.7
No	WPTO	D29	DT	LIC	OXFORD, OH	BLANK0000113643	161.5
No	WGTE-TV	D29	DT	LIC	TOLEDO, OH	BLEDT20031110AKO	178.9
No	WOOH-LD	D29	LD	LIC	ZANESVILLE, OH	BLANK0000114544	185.1
No	WOOH-LD	D29	LD	CP	ZANESVILLE, OH	BLANK0000116352	161.6
No	WWAT-CD	D29	DC	LIC	CHARLEROI, PA	BLANK0000101490	426.5
No	WDJT-TV	D29	DT	LIC	MILWAUKEE, WI	BLANK0000086892	377.1
No	WCHS-TV	D29	DT	LIC	CHARLESTON, WV	BLANK0000059340	353.5
No	W29EJ-D	D29	LD	CP	PARKERSBURG, WV	BNPDTL20101004ABC	323.3
No	WSJV	D30	DT	LIC	ELKHART, IN	BLANK0000124380	159.4
No	W30EH-D	D30	LD	LIC	FORT WAYNE, IN	BLANK0000080842	64.3
No	WSDI-LD	D30	LD	LIC	Indianapolis, IN	BLANK0000107877	127.2
No	WKPC-TV	D30	DT	LIC	LOUISVILLE, KY	BLANK0000087420	252.4
No	W30EY-D	D30	LD	LIC	LIMA, OH	BLANK0000150253	45.9
No	W30EX-D	D30	LD	LIC	LIMA, OH	BLANK0000150841	85.8
No	W30EY-D	D30	LD	LIC	LIMA, OH	BLANK0000150744	51.8
No	W30EX-D	D30	LD	LIC	LIMA, OH	BLANK0000150264	45.9
No	W30EY-D	D30	LD	CP	LIMA, OH	BLANK0000150354	51.8
No	W30EX-D	D30	LD	CP	LIMA, OH	BLANK0000150353	85.8
No	WHIZ-TV	D30	DT	LIC	ZANESVILLE, OH	BLANK0000125049	261.7

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D29

Mask: Stringent

Latitude: 40 32 11.50 N (NAD83)
Longitude: 84 57 53.50 W
Height AMSL: 277.0 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: DIE-TUA (ID 120649) 230.0 deg
Elev Pattn: Generic

50.2 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.076 kW	19.2 m	9.2 km
45.0	0.050	16.8	8.3
90.0	0.024	12.4	7.0
135.0	0.028	-1.9	7.2
180.0	1.85	-3.4	20.5
225.0	14.4	3.7	29.9
270.0	4.10	10.9	24.2
315.0	0.014	18.7	6.1

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

Proposal 25.23 dBu contour does not cross Canadian border
Distance to Canadian border: 216.5 km

Distance to Mexican border: 1906.9 km

Conditions at FCC monitoring station: Allegan MI
Bearing: 340.6 degrees Distance: 244.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 275.2 degrees Distance: 1713.1 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
14.64% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W29EL-D	D29	LD	APP	Portland, IN		
Undesireds:	WEDX-LD	D29	LD	CP	FORT WAYNE, IN	BLANK0000036232	49.0 km
	WSBT-TV	D29	DT	LIC	SOUTH BEND, IN	BLANK0000087455	159.4
	WAMS-LD	D29z	LD	LIC	MINSTER/NEW BREMEN, OH	BLANK0000106606	53.9
	WPTO	D29	DT	LIC	OXFORD, OH	BLANK0000113643	161.5
	WGTE-TV	D29	DT	LIC	TOLEDO, OH	BLEDT20031110AKO	178.9
	WOOH-LD	D29	LD	LIC	ZANESVILLE, OH	BLANK0000114544	185.1
	W30EY-D	D30	LD	LIC	LIMA, OH	BLANK0000150253	45.9
	W30EX-D	D30	LD	LIC	LIMA, OH	BLANK0000150841	85.8

Service area	Terrain-limited	IX-free	Percent IX
857.3 21,792	857.3 21,792	780.4 18,602	8.97 14.64

Undesired	Total IX	Unique IX	Prcnt Unique IX
WEDX-LD D29 LD CP 59.0	3,008	57.0	2,986 6.65 13.70
WSBT-TV D29 DT LIC 2.0	22	0.0	0 0.00 0.00
WAMS-LD D29z LD LIC 17.9	182	17.9	182 2.09 0.84
WPTO D29 DT LIC 2.0	22	0.0	0 0.00 0.00
WGTE-TV D29 DT LIC 2.0	22	0.0	0 0.00 0.00