

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Cleveland28d0.2kwincSam460at0fC1, Model: Longley-Rice

Start: 2022.07.19 06:33:14

Study created: 2022.07.19 06:33:14

Study build station data: LMS TV 2022-06-26

Proposal: W28FG-D D28 LD LIC Cleveland-Akron-Cant, OH

Facility ID: 184642

Station data: User record

Record ID: 2222

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	W27EA-D	D27	DC	LIC	CLEVELAND, OH	BLANK00000116762	119.5 km
No	W27EA-D	D27	DC	APP	CLEVELAND, OH	BLANK00000189242	119.5
No	WTTE	D27	DT	LIC	COLUMBUS, OH	BLANK00000129745	155.3
No	W27DG-D	D27	LD	LIC	MILLERSBURG, OH	BLANK00000168187	60.6
No	WQLN	D27	DT	LIC	ERIE, PA	BLANK00000083708	213.1
No	WTAE-TV	D27	DT	LIC	PITTSBURGH, PA	BLANK00000112576	125.2
No	WTAE-TV	D27	DT	CP	PITTSBURGH, PA	BLANK00000127499	125.2
No	WIPX-TV	D28	DT	LIC	BLOOMINGTON, IN	BLANK00000106045	428.7
No	WLEX-TV	D28	DT	CP	LEXINGTON, KY	BLANK00000157703	372.4
No	WLEX-TV	D28	DT	LIC	LEXINGTON, KY	BLANK00000087372	372.4
No	WFPT	D28	DT	LIC	FREDERICK, MD	BLANK00000160164	359.7
No	WSYM-TV	D28	DT	LIC	LANSING, MI	BLANK00000177429	366.3
No	WSYM-TV	D28	DT	APP	LANSING, MI	BLANK00000181141	366.3
No	WLPC-LD	D28	LD	LIC	Redford, MI	BLANK00000112211	264.6
No	WUHF	D28	DT	LIC	ROCHESTER, NY	BLCDT20050316AAK	434.8
No	WBQC-LD	D28	LD	LIC	CINCINNATI, OH	BLANK00000088128	307.5
No	WSYX	D28	DT	LIC	COLUMBUS, OH	BLANK00000129744	155.3
No	WJET-TV	D28	DT	LIC	ERIE, PA	BLANK00000080704	212.7
No	WPCB-TV	D28	DT	LIC	GREENSBURG, PA	BLANK00000079894	126.7
No	WJAC-TV	D28	LD	CP	JOHNSTOWN, PA	BLANK00000150961	220.6
No	WEMT	D28	DT	LIC	GREENEVILLE, TN	BLANK00000072087	440.2

No	WHSV-TV	D28	LD	CP	HARRISONBURG, VA	BLANK0000071677	299.2
No	WHSV-TV	D28	LD	CP	HARRISONBURG, VA	BLANK0000179266	299.2
No	WRIC-TV	D28	DT	LIC	PETERSBURG, VA	BLANK0000186787	448.1
No	W28DR-D	D28	LD	LIC	CEDARVILLE, WV	BLDTT20130220AAB	188.4
No	W28EX-D	D28	LD	LIC	CLARKSBURG, WV	BLANK0000160515	146.5
No	W28EX-D	D28	LD	CP	CLARKSBURG, WV	BLANK0000162188	142.8
No	W28FC-D	D28	LD	LIC	ROANOKE, WV	BLANK0000158064	167.8
No	WNEO	D29	DT	LIC	ALLIANCE, OH	BLANK0000120667	68.5
No	WGTE-TV	D29	DT	LIC	TOLEDO, OH	BLEDT20031110AKO	231.5
No	WOOH-LD	D29	LD	LIC	ZANESVILLE, OH	BLANK0000114544	149.2
No	WOOH-LD	D29	LD	CP	ZANESVILLE, OH	BLANK0000160488	166.8
No	WOOH-LD	D29	LD	LIC	ZANESVILLE, OH	BLANK0000193625	166.8
No	WWAT-CD	D29	DC	LIC	CHARLEROI, PA	BLANK0000101490	114.5
No	WWAT-CD	D29	DC	CP	CHARLEROI, PA	BLANK0000155811	111.6
No	WIIC-LD	N29+	TX	LIC	PITTSBURGH, PA	BLTTL19981230JB	111.6
No	WCHS-TV	D29	DT	LIC	CHARLESTON, WV	BLANK0000167887	223.1
No	W29FK-D	D29	LD	CP	CLARKSBURG, WV	BLANK0000162164	142.8
No	W29FK-D	D29	LD	LIC	CLARKSBURG, WV	BLANK0000160508	146.5
No	W29EJ-D	D29	LD	LIC	PARKERSBURG, WV	BLANK0000176902	122.8
No	WBPA-LD	N30+	TX	LIC	PITTSBURGH, PA	BLANK0000007299	104.5
No	DWWBP-LP	N31+	TX	APP	FREEDOM, PA	BLTTL20040909ABD	94.4

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D28
Mask: Full Service
Latitude: 40 21 22.00 N (NAD83)
Longitude: 81 16 37.00 W
Height AMSL: 380.7 m
HAAT: 0.0 m
Peak ERP: 0.200 kW
Antenna: SAM-SAM-460 (ID 1004146) 0.0 deg
Elev Pattn: Generic

50.1 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.200 kW	75.2 m	18.6 km

45.0	0.001	57.7	4.7
90.0	0.000	62.5	1.7
135.0	0.000	50.7	1.6
180.0	0.000	82.2	1.9
225.0	0.000	72.1	1.8
270.0	0.000	101.9	2.0
315.0	0.001	115.6	6.6

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 77 m

Proposal 25.14 dBu contour does not cross Canadian border
Distance to Canadian border: 174.3 km

Distance to Mexican border: 2155.3 km

Conditions at FCC monitoring station: Laurel MD
Bearing: 107.7 degrees Distance: 403.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 277.2 degrees Distance: 2025.4 km

Study cell size: 1.00 km
Profile point spacing: 0.10 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:	W28FG-D	D28	LD	LIC	Cleveland-Akron-Cant, OH		
Undesireds:	WSYX	D28	DT	LIC	COLUMBUS, OH	BLANK0000129744	155.3 km
	WJET-TV	D28	DT	LIC	ERIE, PA	BLANK0000080704	212.7

WPCB-TV	D28	DT	LIC	GREENSBURG, PA	BLANK0000079894	126.7
W28EX-D	D28	LD	LIC	CLARKSBURG, WV	BLANK0000160515	146.5
WNEO	D29	DT	LIC	ALLIANCE, OH	BLANK0000120667	68.5

Service area		Terrain-limited		IX-free		Percent IX
150.8	4,357	146.8	4,329	144.8	4,329	1.36 0.00

Undesired		Total IX		Unique IX		Prcnt Unique IX
WSYX D28 DT LIC	1.0	0	0.0	0	0.00	0.00
WJET-TV D28 DT LIC	2.0	0	0.0	0	0.00	0.00
WPCB-TV D28 DT LIC	2.0	0	0.0	0	0.00	0.00
WNEO D29 DT LIC	2.0	0	0.0	0	0.00	0.00