

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Cleveland28d0.2kwincSam460at180fB1, Model: Longley-Rice

Start: 2022.07.27 07:00:01

Study created: 2022.07.27 07:00:01

Study build station data: LMS TV 2022-07-26

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

Facility ID: 184642

Station data: User record

Record ID: 2266

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	WADL	D27	DT	LIC	MOUNT CLEMENS, MI	BLANK00000111708	235.1 km
No	W27EA-D	D27	DC	LIC	CLEVELAND, OH	BLANK00000116762	78.3
No	W27EA-D	D27	DC	APP	CLEVELAND, OH	BLANK00000189242	78.3
No	WTTE	D27	DT	LIC	COLUMBUS, OH	BLANK00000129745	149.2
No	WPNM-LD	D27z	LD	LIC	LIEPSIC, OH	BLANK00000090626	203.3
No	W27DG-D	D27	LD	LIC	MILLERSBURG, OH	BLANK00000168187	37.7
No	WQLN	D27	DT	LIC	ERIE, PA	BLANK00000083708	195.6
No	WTAE-TV	D27	DT	LIC	PITTSBURGH, PA	BLANK00000112576	155.3
No	WTAE-TV	D27	DT	CP	PITTSBURGH, PA	BLANK00000127499	155.3
No	WIPX-TV	D28	DT	LIC	BLOOMINGTON, IN	BLANK00000106045	415.5
No	WMYS-LD	D28	LD	LIC	SOUTH BEND, IN	BLANK00000086895	400.5
No	WLEX-TV	D28	DT	CP	LEXINGTON, KY	BLANK00000157703	382.3
No	WLEX-TV	D28	DT	LIC	LEXINGTON, KY	BLANK00000087372	382.3
No	WFPT	D28	DT	LIC	FREDERICK, MD	BLANK00000160164	395.0
No	WSYM-TV	D28	DT	LIC	LANSING, MI	BLANK00000177429	324.4
No	WSYM-TV	D28	DT	APP	LANSING, MI	BLANK00000181141	324.4
No	WLPC-LD	D28	LD	LIC	Redford, MI	BLANK00000112211	220.7
No	WUHF	D28	DT	LIC	ROCHESTER, NY	BLCDT20050316AAK	426.7
No	WBQC-LD	D28	LD	LIC	CINCINNATI, OH	BLANK00000088128	304.8
No	WSYX	D28	DT	LIC	COLUMBUS, OH	BLANK00000129744	149.2
No	WJET-TV	D28	DT	LIC	ERIE, PA	BLANK00000080704	195.2

No	WPCB-TV	D28	DT	LIC	GREENSBURG, PA	BLANK0000079894	153.8
No	WJAC-TV	D28	LD	CP	JOHNSTOWN, PA	BLANK0000150961	249.3
No	WEMT	D28	DT	LIC	GREENEVILLE, TN	BLANK0000072087	473.3
No	WHSV-TV	D28	LD	CP	HARRISONBURG, VA	BLANK0000071677	341.3
No	WHSV-TV	D28	LD	CP	HARRISONBURG, VA	BLANK0000179266	341.3
No	W28DR-D	D28	LD	LIC	CEDARVILLE, WV	BLDTT20130220AAB	230.7
No	W28EX-D	D28	LD	LIC	CLARKSBURG, WV	BLANK0000160515	190.3
No	W28EX-D	D28	LD	CP	CLARKSBURG, WV	BLANK0000162188	186.3
No	W28FC-D	D28	LD	LIC	ROANOKE, WV	BLANK0000158064	211.0
No	W28FC-D	D28	LD	CP	ROANOKE, WV	BLANK0000194775	185.7
No	WNEO	D29	DT	LIC	ALLIANCE, OH	BLANK0000120667	59.9
No	WGTE-TV	D29	DT	LIC	TOLEDO, OH	BLEDT20031110AKO	190.2
No	WOOH-LD	D29	LD	LIC	ZANESVILLE, OH	BLANK0000114544	144.4
No	WOOH-LD	D29	LD	CP	ZANESVILLE, OH	BLANK0000160488	157.1
No	WOOH-LD	D29	LD	LIC	ZANESVILLE, OH	BLANK0000193625	157.1
No	WWAT-CD	D29	DC	LIC	CHARLEROI, PA	BLANK0000101490	148.7
No	WWAT-CD	D29	DC	CP	CHARLEROI, PA	BLANK0000155811	137.4
No	WIIC-LD	N29+	TX	LIC	PITTSBURGH, PA	BLTTL19981230JB	137.4
No	WCHS-TV	D29	DT	LIC	CHARLESTON, WV	BLANK0000167887	255.0
No	W29FK-D	D29	LD	CP	CLARKSBURG, WV	BLANK0000162164	186.3
No	W29EJ-D	D29	LD	LIC	PARKERSBURG, WV	BLANK0000176902	159.7
No	DWWBP-LP	N31+	TX	APP	FREEDOM, PA	BLTTL20040909ABD	110.4
No	WRAP-LD	N32-	TX	LIC	CLEVELAND, OH	BLTTL20110902ABQ	88.5

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 41 11.50 N (NAD83)
 Longitude: 81 33 37.00 W
 Height AMSL: 387.5 m (Adjusted based on actual ground elevation calculation)
 HAAT: 0.0 m
 Peak ERP: 0.200 kW
 Antenna: SAM-SAM-460 (ID 1004146) 180.0 deg
 Elev Pattn: Generic

50.1 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.000 kW	70.6 m	1.8 km
45.0	0.000	66.7	1.8
90.0	0.000	76.3	1.8
135.0	0.001	72.7	5.3
180.0	0.200	77.2	18.9
225.0	0.001	52.4	4.5
270.0	0.000	45.5	3.1
315.0	0.000	61.3	1.7

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 65 m

Proposal 25.14 dBu contour does not cross Canadian border
Distance to Canadian border: 130.4 km

Distance to Mexican border: 2156.9 km

Conditions at FCC monitoring station: Allegan MI
Bearing: 301.7 degrees Distance: 422.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 276.1 degrees Distance: 1997.4 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:	W27EA-D	D27	DC	LIC	CLEVELAND, OH	BLANK0000116762	78.3 km
	WSYX	D28	DT	LIC	COLUMBUS, OH	BLANK0000129744	149.2
	WJET-TV	D28	DT	LIC	ERIE, PA	BLANK0000080704	195.2
	WPCB-TV	D28	DT	LIC	GREENSBURG, PA	BLANK0000079894	153.8
	W28EX-D	D28	LD	LIC	CLARKSBURG, WV	BLANK0000160515	190.3
	W28FC-D	D28	LD	LIC	ROANOKE, WV	BLANK0000158064	211.0

Service area		Terrain-limited		IX-free		Percent IX
158.4	9,589	149.4	9,109	145.4	9,008	2.67 1.11

Undesired		Total IX		Unique IX	Prcnt Unique IX
WSYX D28 DT LIC	2.0	58	2.0	58	1.33 0.64
WJET-TV D28 DT LIC	1.0	0	1.0	0	0.67 0.00
WPCB-TV D28 DT LIC	1.0	43	1.0	43	0.67 0.47