Study created: 2021.09.17 16:51:34

Study build station data: LMS TV 2021-09-17

Proposal: WDYC-LD D27 LD CP CINCINNATI, OH
File number: BLANK0000145362
Facility ID: 68075
Station data: User record
Record ID: 1317
Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WISH-TV	D26	LD	CP	INDIANAPOLIS, IN	BLANK0000090627	165.8 km
No	WCPO-TV	D26	DT	LIC	CINCINNATI, OH	BLANK0000157839	4.2
No	WCSN-LD	D26	LD	LIC	COLUMBUS, OH	BLANK0000113234	164.4
No	WOHW-LD	D26	LD	CP	LIMA, OH	BLANK0000158622	160.1
No	W26EW-D	D26	LD	LIC	HUNTINGTON, WV	BLANK0000116963	201.8
No	W27EL-D	D27+	LD	LIC	CHAMPAIGN, IL	BLANK0000120591	334.1
No	W27EN-D	D27	LD	CP	MOUNT VERNON, IL	BLANK0000071886	376.6
No	W27EB-D	D27	DC	LIC	SUGAR GROVE, IL	BLANK0000151822	403.3
Yes	WTTV	D27	DT	LIC	BLOOMINGTON, IN	BLANK0000086972	141.3
No	WSOT-LD	D27	LD	LIC	MARION, IN	BLDTL20111212AGP	193.4
No	WNDU-TV	D27	DT	LIC	SOUTH BEND, IN	BLANK0000116736	309.8
Yes	WTVQ-DT	D27	DT	LIC	LEXINGTON, KY	BLANK0000087240	121.8
No	WFHD-LP	N27z	TX	LIC	ANN ARBOR, MI	BLTT20000925AAY	357.2
No	WADL	D27	DT	LIC	MOUNT CLEMENS, MI	BLANK0000111708	406.1
No	WUNW	D27	DD	CP	CANTON, NC	BLANK0000113389	420.8
No	WUNW	D27	DT	LIC	CANTON, NC	BLEDT20110921AAA	420.8
No	W27EA-D	D27	DC	LIC	CLEVELAND, OH	BLANK0000116762	348.8
Yes	WTTE	D27	DT	LIC	COLUMBUS, OH	BLANK0000129745	159.1
No	WPNM-LD	D27z	LD	LIC	LIEPSIC, OH	BLANK0000090626	230.3
No	W27DG-D	D27	LD	LIC	MILLERSBURG, OH	BLANK0000055476	345.9
No	W27DG-D	D27	LD	CP	MILLERSBURG, OH	BLANK0000058887	345.9
No	WTAE-TV	D27	DT	LIC	PITTSBURGH, PA	BLANK0000112576	425.6
No	WTAE-TV	D27	DT	CP	PITTSBURGH, PA	BLANK0000127499	425.6
No	WKRN-TV	D27	DT	LIC	NASHVILLE, TN	BLANK0000115874	396.6
No	WPXR-TV	D27	DT	LIC	ROANOKE, VA	BLANK0000081460	439.8
No	W27EF-D	D27-	LD	LIC	CHARLESTON, WV	BLANK0000127420	264.1
No	WHJC-LP	D27	LD	LIC	WILLIAMSON, WV	BLDTL20100910AAH	257.2
No	WIPX-TV	D28	DT	LIC	BLOOMINGTON, IN	BLANK0000106045	141.2
No	W28EY-D	D28	LD	CP	FORT WAYNE, IN	BLANK0000071946	215.8

No	WJSJ-CD	D28	DC	LIC	INDIANAPOLIS, IN	BLANK0000086502	190.5
No	WLEX-TV	D28	DT	CP	LEXINGTON, KY	BLANK0000157703	121.8
No	WLEX-TV	D28	DT	LIC	LEXINGTON, KY	BLANK0000087372	121.8
Yes	WBQC-LD	D28	LD	LIC	CINCINNATI, OH	BLANK0000088128	4.2
No	WSYX	D28	DT	LIC	COLUMBUS, OH	BLANK0000129744	159.1

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

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    Channel: D27
       Mask: Full Service
   Latitude:  39  7 23.30 N (NAD83)
  Longitude:  84 32 52.60 W
Height AMSL: 317.7 m
       HAAT: 0.0 m
   Peak ERP: 15.0 kW
    Antenna: SWR-SWLP12OI/CP (ID 1008180) 0.0 deg
Elev Pattrn: Generic
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50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	87.6 m	42.2 km
45.0	11.9	126.8	45.1
90.0	6.53	133.2	42.5
135.0	5.58	111.2	40.1
180.0	6.73	89.8	38.6
225.0	5.58	77.6	36.0
270.0	6.53	95.6	39.2
315.0	11.9	76.0	39.4

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 100 m

Distance to Canadian border: 324.9 km

Distance to Mexican border: 1849.1 km

Conditions at FCC monitoring station: Allegan MI
Bearing: 343.5 degrees Distance: 404.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 280.3 degrees Distance: 1769.6 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%

---- Below is IX received by proposal BLANK0000145362 ----

Proposal receives 34.34% interference from scenario 1
No IX check failures found.