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Study build station data: LMS TV 2020-04-01

Proposal: WDNZ-LD D31 LD STA GLASGOW, KY
File number: BLANK0000084289
Facility ID: 185022
Station data: User record
Record ID: 3086
Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WQTV-LP	N24+	TX	LIC	MURRAY, KY	BLTTTL20010425AAF	175.4 km
No	WTCT	D30	DT	LIC	MARION, IL	BLANK0000096223	236.8
No	WELW-LD	D30	LD	CP	EVANSVILLE, IN	BLANK0000074450	140.4
No	WKPC-TV	D30	DT	LIC	LOUISVILLE, KY	BLANK0000087420	161.7
No	W30DP-D	D30	LD	CP	ALGOOD, TN	BNPDTL20100609AFX	127.2
No	WCKV-LD	D30	LD	LIC	CLARKSVILLE, TN	BLDTL20131213AAA	96.8
Yes	WNAB	D30	DT	CP	NASHVILLE, TN	BLANK0000105745	87.1
No	WNAB	D30	DT	BL	NASHVILLE, TN	DTVBL73310	87.1
No	WSFG-LD	D31	LD	CP	BERRY, AL	BLANK0000029418	381.4
No	WWHL-LD	D31-	LD	LIC	Huntsville, AL	BLANK0000059648	273.9
No	WWHL-LD	D31-	LD	CP	Huntsville, AL	BLANK0000093279	238.4
No	WPCH-TV	D31	DT	LIC	ATLANTA, GA	BLANK0000081575	402.1
No	W33AY-D	D31	LD	CP	SPRINGFIELD, IL	BLANK0000051745	414.6
No	DWKOG-LP	D31	DC	BL	INDIANAPOLIS, IN	DTVBL34894	309.2
No	WVUT	D31	DT	LIC	VINCENNES, IN	BLANK0000087466	205.5
No	WQDE-LD	D31	LD	CP	WOLCOTT, IN	BLANK0000081640	323.0
No	WQDE-LD	D31	LD	LIC	WOLCOTT, IN	BLANK0000108667	323.0
Yes	WKMA-TV	D31	DT	LIC	MADISONVILLE, KY	BLANK0000087442	97.6
No	K31PQ-D	D31	LD	CP	CAPE GIRARDEAU, MO	BLANK0000071795	312.5
No	KDNL-TV	D31	DT	LIC	ST. LOUIS, MO	BLCDT20021216AAE	384.4
No	W31DH-D	D31	LD	LIC	FRANKLIN, ETC, NC	BLDTT20090615AAP	334.5
No	W31AN-D	D31	LD	LIC	MURPHY, NC	BLDTT20090615AAV	304.2
No	WDTN	D31	DT	CP	DAYTON, OH	BLANK0000082150	357.7
No	WDTN	D31	DT	BL	DAYTON, OH	DTVBL65690	357.7
No	WTZP-LD	D31	LD	LIC	PORTSMOUTH, OH	BLANK0000074508	355.6
No	WBXX-TV	D31	DT	LIC	CROSSVILLE, TN	BLANK0000081641	211.9
No	WLMT	D31	DT	LIC	MEMPHIS, TN	BLCDT20050427ABN	355.2
No	NEW	D32	LD	APP	EVANSVILLE, IN	BNPDTL20090825AZT	123.4
No	WDRB	D32	DT	LIC	LOUISVILLE, KY	BLANK0000087865	159.5

Yes	WNPX-TV	D32	DT	LIC	FRANKLIN, TN	BLANK0000087615	56.4
No	WJNK-LD	N34z	TX	LIC	NASHVILLE, TN	BLTTL20050815ADG	86.7

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D31
 Mask: Full Service
 Latitude: 36 59 39.10 N (NAD83)
 Longitude: 86 26 25.90 W
 Height AMSL: 187.4 m
 HAAT: 0.0 m
 Peak ERP: 0.770 kW
 Antenna: SWR-SW8 (ID 107383) 110.0 deg
 Elev Pattn: Generic

50.4 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.315 kW	21.6 m	12.9 km
45.0	0.499	14.6	14.5
90.0	0.740	27.0	16.0
135.0	0.717	16.8	15.8
180.0	0.468	12.1	14.3
225.0	0.315	12.2	12.9
270.0	0.367	12.1	13.4
315.0	0.361	21.7	13.4

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 17 m

Distance to Canadian border: 612.5 km

Distance to Mexican border: 1574.9 km

Conditions at FCC monitoring station: Powder Springs GA

Bearing: 155.4 degrees Distance: 381.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 287.8 degrees Distance: 1665.9 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%

No IX check failures found.