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Study build station data: LMS TV 2019-10-03

Proposal: W11DJ-D D31 LD LIC Bowling Green, KY
File number: BLANK0000068230
Facility ID: 185022
Station data: User record
Record ID: 2724
Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WEIU-TV	D30	DT	CP	CHARLESTON, IL	BLANK0000029172	238.5 km
No	WTCT	D30	DT	CP	MARION, IL	BLANK0000034912	232.1
No	W30DO-D	D30	LD	CP	BRAZIL, IN	BNPDTL20100510AFI	156.4
No	WELW-LD	D30	LD	CP	EVANSVILLE, IN	BLANK0000074450	80.8
No	WSDI-LD	D30	LD	CP	WOLCOTT, IN	BLANK0000081705	212.2
Yes	WKPC-TV	D30	DT	CP	LOUISVILLE, KY	BLANK0000034634	67.4
No	WKMR	D30	DT	LIC	MOREHEAD, KY	BLANK0000075044	266.3
No	WCKV-LD	D30	LD	LIC	CLARKSVILLE, TN	BLDTL20131213AAA	182.1
No	WNAB	D30	DT	CP	NASHVILLE, TN	BLANK0000034797	194.9
No	WWHL-LD	D31-	LD	CP	Huntsville, AL	BLANK0000064108	368.4
No	W33AY-D	D31	LD	CP	SPRINGFIELD, IL	BLANK0000051745	338.2
Yes	NEW	D31	LD	APP	EVANSVILLE, IN	BNPDTL20090825AZX	79.5
Yes	NEW	D31	LD	APP	EVANSVILLE, IN	BNPDTL20090825AXM	79.5
No	W31ET-D	D31	LD	CP	FORT WAYNE, IN	BLANK0000074400	354.8
No	WNIT	D31	DT	CP	SOUTH BEND, IN	BLANK0000024784	402.9
Yes	WVUT	D31	DT	CP	VINCENNES, IN	BLANK0000027953	116.2
No	WQDE-LD	D31	LD	CP	WOLCOTT, IN	BLANK0000081640	212.2
Yes	WKMA-TV	D31	DT	CP	MADISONVILLE, KY	BLANK0000034649	130.2
No	K31PQ-D	D31	LD	CP	CAPE GIRARDEAU, MO	BLANK0000071795	317.9
No	KDNL-TV	D31	DT	LIC	ST. LOUIS, MO	BLCDT20021216AAE	345.5
No	WDTN	D31	DT	CP	DAYTON, OH	BLANK0000082150	269.2
No	WJOS-LD	D31	LD	CP	POMEROY, OH	BLANK0000054745	401.1
No	WTZP-LD	D31	LD	LIC	PORTSMOUTH, OH	BLANK0000074508	306.5
No	WBXX-TV	D31	DT	LIC	CROSSVILLE, TN	BLANK0000081641	280.5
No	WLMT	D31	DT	LIC	MEMPHIS, TN	BLCDT20050427ABN	424.1
No	WOAY-TV	D31	DT	CP	OAK HILL, WV	BLANK0000028013	463.4
No	WICD	D32	DT	LIC	CHAMPAIGN, IL	BLANK0000059351	263.4
No	NEW	D32	LD	APP	EVANSVILLE, IN	BNPDTL20090825AZT	79.5
No	WKUT-LD	D32	LD	LIC	BOWLING GREEN, KY	BLANK0000011198	74.6

Yes	WDRB	D32	DT	CP	LOUISVILLE, KY	BLANK0000060325	65.1
No	WNPX-TV	D32	DT	CP	FRANKLIN, TN	BLANK0000068415	164.6

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: 37 59 39.00 N (NAD83)
 Longitude: 86 26 25.00 W
 Height AMSL: 206.0 m (Adjusted based on actual ground elevation calculation)
 HAAT: 0.0 m
 Peak ERP: 5.00 kW
 Antenna: Omnidirectional
 Elev Pattn: Generic

50.4 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	5.00 kW	61.9 m	32.6 km
45.0	5.00	25.6	24.9
90.0	5.00	-4.5	24.9
135.0	5.00	-2.4	24.9
180.0	5.00	30.7	25.0
225.0	5.00	63.8	32.9
270.0	5.00	50.3	30.3
315.0	5.00	42.6	28.4

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 33 m

Distance to Canadian border: 517.1 km

Distance to Mexican border: 1643.3 km

Conditions at FCC monitoring station: Powder Springs GA

Bearing: 160.9 degrees Distance: 484.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 284.2 degrees Distance: 1635.3 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 BLANK0000068230 ----

**MX with scenario 1, 33.76% interference received