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Study build station data: LMS TV 2020-07-23

Proposal: WDMW-LD D24 LD CP JANESVILLE, WI
File number: BLANK0000054588
Facility ID: 68041
Station data: User record
Record ID: 183
Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WRJK-LP	N22-	TX	LIC	ARLINGTON HEIGHTS, IL	BLTT19991020AAO	93.8 km
No	WCIU-TV	D23	DT	LIC	CHICAGO, IL	BLANK0000102906	134.1
No	WQPT-TV	D23	DT	CP	MOLINE, IL	BLANK0000035678	217.9
No	WQPT-TV	D23	DT	LIC	MOLINE, IL	BLEDT20030702AAR	217.9
No	WFBN-LD	D23	LD	LIC	ROCKFORD, IL	BLANK0000087738	70.0
No	WBAY-TV	D23	DT	LIC	GREEN BAY, WI	BMLCDT20040723ADS	185.9
No	W23BW-D	D23	DC	LIC	MADISON, WI	BLDTA20140827AAD	70.7
No	WTAS-LP	D23-	LD	CP	WAUKESHA, WI	BLANK0000054059	43.3
No	KRUB-LD	D24	LD	LIC	CEDAR RAPIDS, IA	BLANK0000008208	260.6
No	KRPG-LD	D24	LD	LIC	DES MOINES, IA	BLANK0000072385	388.6
No	KRPG-LD	D24	LD	CP	DES MOINES, IA	BLANK0000073890	388.6
No	KRPG-LD	D24	LD	LIC	DES MOINES, IA	BLANK0000106671	388.6
No	K24IM-D	D24	LD	LIC	KEOSAUQUA, IA	BLDTT20111228AAV	356.8
No	KIMT	D24	DT	LIC	MASON CITY, IA	BLANK0000067292	335.3
No	WRJK-LP	D24	LD	CP	ARLINGTON HEIGHTS, IL	BMPDTL20140211ACV	134.1
No	WFLD	D24	DT	CP	CHICAGO, IL	BLANK0000072366	134.1
No	W24EV-D	D24	LD	CP	JACKSONVILLE, IL	BLANK0000071937	348.2
No	WHOI	D24	DT	LIC	PEORIA, IL	BLANK0000100514	252.9
No	WPTA	D24	DT	LIC	FORT WAYNE, IN	BLANK0000068624	345.3
No	WUDZ-LD	D24	LD	LIC	Indianapolis, IN	BLANK0000107874	383.9
No	W24DQ-D	D24	LD	CP	TERRE HAUTE, IN	BNPDTL20090825BSZ	413.6
No	WCML	D24	DT	LIC	ALPENA, MI	BLEDT20110707ABQ	444.1
No	WPXD-TV	D24	DT	LIC	ANN ARBOR, MI	BLANK0000108759	439.9
No	WTLJ	D24	DT	LIC	MUSKEGON, MI	BLANK0000001674	226.4
No	W24DL-D	D24	LD	LIC	SAGINAW, MI	BLDTL20120905AAM	376.1
No	K24JA-D	D24	LD	CP	WINONA, MN	BNPDTL20090825BYM	268.3
No	WZCK-LD	D24	LD	CP	MADISON-MIDDLETON, WI	BLANK0000051613	70.6
No	WZCK-LD	D24	LD	LIC	MADISON-MIDDLETON, WI	BLANK0000112772	70.6
No	WHRM-TV	D24	DT	CP	WAUSAU, WI	BLANK0000035674	248.4
No	WHRM-TV	D24	DT	LIC	WAUSAU, WI	BLEDT20051014AAW	248.4
No	KWKB	D25	DT	LIC	IOWA CITY, IA	BLCDT20070130AJQ	251.1

No	W25DW-D	D25	LD	LIC	ARBURY HILLS, IL	BLDTL20110224ACQ	134.3
No	WTTW	D25	DT	CP	CHICAGO, IL	BLANK0000084058	134.1
No	WEEK-TV	D25	DT	LIC	PEORIA, IL	BLANK0000100761	252.9
No	WMKB-LP	N25z	TX	LIC	Rochelle, IL	BLTTL20070813AFM	100.3
No	WBKM-LP	D25+	LD	CP	Rockford, IL	BLANK0000054706	100.3
No	WPNE-TV	D25	DT	LIC	GREEN BAY, WI	BLANK0000117903	185.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D24
 Mask: Full Service
 Latitude: 42 48 34.00 N (NAD83)
 Longitude: 88 40 30.00 W
 Height AMSL: 292.0 m
 HAAT: 0.0 m
 Peak ERP: 0.250 kW
 Antenna: Sam-180 55.0 deg
 Elev Pattn: Generic
 Elec Tilt: 1.75

49.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.000 kW	44.1 m	2.8 km
45.0	0.198	36.2	13.0
90.0	0.017	5.1	6.6
135.0	0.000	5.5	1.9
180.0	0.000	5.4	2.3
225.0	0.198	7.0	12.0
270.0	0.017	23.3	6.6
315.0	0.000	45.5	2.3

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 22 m

Distance to Canadian border: 458.7 km

Distance to Mexican border: 1839.4 km

Conditions at FCC monitoring station: Allegan MI

Bearing: 94.9 degrees Distance: 223.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 263.5 degrees Distance: 1407.0 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 BLANK0000054588 ----

Proposal receives 3.32% interference from scenario 1

Proposal receives 3.32% interference from scenario 2

No IX check failures found.