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Study build station data: LMS TV 2021-10-23

Proposal: WDMI-LD D26 LD LIC MINNEAPOLIS, MN
File number: BLDTL20100809CIU
Facility ID: 69788
Station data: User record
Record ID: 1484
Country: U.S.

Search options:
Non-U.S. records included

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KKTW-LD	N19-	TX	LIC	Minneapolis, MN	BLTTL19870921IE	96.4 km
No	K25PE-D	D25	LD	LIC	DECORAH, IA	BLANK0000112327	223.9
No	KTIN	D25	DT	LIC	FORT DODGE, IA	BLEDT20070822ACB	269.0
No	K43JE-D	D25	LD	CP	LAKE CRYSTAL, MN	BLANK0000051902	143.9
No	KJNK-LD	D25	LD	LIC	MINNEAPOLIS, MN	BLDTT20090528ACL	12.8
Yes	KJNK-LD	D25	LD	LIC	MINNEAPOLIS, MN	BLANK0000129957	12.8
No	K25II-D	D25	LD	LIC	REDWOOD FALLS, MN	BLDTT20120604AAV	152.5
No	K25NK-D	D25	LD	LIC	ROCHESTER, MN	BLANK0000151246	132.0
No	K25LC-D	D25	LD	CP	WINONA, MN	BNPDTL20090825BYN	176.2
No	WQOW	D25	DT	LIC	EAU CLAIRE, WI	BLANK0000135118	137.9
No	KCYM-LD	D26	LD	LIC	Des moines, IA	BLANK0000106670	361.3
No	K26JI-D	D26	LD	LIC	SIBLEY, IA	BLDTT20101213AAZ	271.4
No	K26CL-D	D26	LD	LIC	ALEXANDRIA, MN	BLDTL20120313ABG	201.3
No	KFTC	D26	DT	LIC	BEMIDJI, MN	BLCDT20090206AAG	303.3
No	K26KF-D	D26	LD	CP	DULUTH, MN	BLANK0000149741	207.5
No	K26KF-D	D26	LD	LIC	DULUTH, MN	BLDTL20140501AAY	207.5
No	K26NT-D	D26	LD	LIC	GRANITE FALLS, MN	BLANK0000063066	191.4
No	K26KM-D	D26	LD	APP	ORR, MN	BLDTT20120315AAJ	324.5
Yes	KXLT-TV	D26	DT	LIC	ROCHESTER, MN	BLANK0000063320	166.7
Yes	K26PF-D	D26	LD	CP	SAINT CLOUD, MN	BLANK0000071906	126.8
No	K26CS-D	D26	LD	LIC	ST. JAMES, MN	BLANK0000124213	155.1
No	K39FE-D	D26	LD	LIC	WILLMAR, MN	BLANK0000060757	146.9
No	KSXC-LD	D26z	LD	LIC	SOUTH SIOUX CITY, NE	BLANK0000058765	381.4
No	KDLV-TV	D26	DT	LIC	MITCHELL, SD	BLCDT20081016ADD	440.4
No	KCPO-LP	D26+	LD	CP	SIOUX FALLS, SD	BLANK0000110806	330.8
No	KCPO-LP	N26+	TX	LIC	SIOUX FALLS, SD	BLTTL20011029AAL	331.1

No	W26FG-D	D26	LD	CP	EAU CLAIRE, WI	BLANK0000072223	143.7
No	WZEO-LD	D26	LD	CP	LA CROSSE, WI	BLANK0000071991	180.1
No	WKOW	D26	DT	LIC	MADISON, WI	BLCDT20111006AAO	366.9
No	W26EE-D	D26	LD	LIC	WITTENBERG, WI	BLDTL20120620ABV	327.9
No	KCWV	D27	DT	APP	DULUTH, MN	BLANK0000036079	207.5
No	KCWV	D27	DT	LIC	DULUTH, MN	BLANK0000004652	207.5
No	K27FI-D	D27	LD	LIC	FROST, MN	BLDTT20090730ACP	175.4
No	KRWF	D27	DT	LIC	REDWOOD FALLS, MN	BLCDT20080502ABG	193.8
No	K27OW-D	D27+	LD	LIC	Rochester, MN	BLANK0000121243	157.6
No	K27KL-D	D27	LD	CP	ST CHARLES, MN	BNPDTL20090825BXS	158.8
Yes	WHWC-TV	D27	DT	LIC	MENOMONIE, WI	BLANK0000157562	103.1

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D26
 Mask: Full Service
 Latitude: 45 4 7.10 N (NAD83)
 Longitude: 93 10 35.10 W
 Height AMSL: 434.3 m
 HAAT: 0.0 m
 Peak ERP: 15.0 kW
 Antenna: 265.0 deg
 Elev Pattn: Generic
 Elec Tilt: 0.50

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	10.3 kW	159.8 m	46.7 km
45.0	0.002	158.1	8.1
90.0	0.002	153.2	8.0
135.0	0.002	156.5	8.1
180.0	13.1	149.8	47.3
225.0	12.4	166.8	48.1
270.0	14.7	167.5	49.0
315.0	13.5	163.8	48.4

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 159 m

Distance to Canadian border: 352.8 km

Distance to Mexican border: 1846.4 km

Conditions at FCC monitoring station: Grand Island NE
Bearing: 224.6 degrees Distance: 628.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 245.2 degrees Distance: 1125.3 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%

----- Below is IX received by proposal BLDTL20100809CIU -----

Proposal receives 19.28% interference from scenario 1
No IX check failures found.