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Study build station data: LMS TV 2023-07-25

Proposal: KCPO-LP D26z LD STA SIOUX FALLS, SD  
File number: BLANK0000195312  
Facility ID: 26041  
Station data: User record  
Record ID: 2637  
Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KTIN	D25	DT	LIC	FORT DODGE, IA	BLEDT20070822ACB	201.6 km
No	K25II-D	D25	LD	LIC	REDWOOD FALLS, MN	BLDTT20120604AAV	176.3
No	K25OU-D	D25	LD	LIC	BROOKINGS, SD	BLANK0000059337	83.3
Yes	KAUN-LD	N25	TX	LIC	SIOUX FALLS, SD	BLANK0000116224	5.1
Yes	KAUN-LD	D25	LD	LIC	SIOUX FALLS, SD	BLANK0000178497	5.1
No	KCYM-LD	D26	LD	LIC	Des moines, IA	BLANK0000106670	343.2
Yes	K26JI-D	D26	LD	LIC	SIBLEY, IA	BLDTT20101213AAZ	83.7
No	K26CL-D	D26	LD	LIC	ALEXANDRIA, MN	BLDTL20120313ABG	281.9
No	WDMI-LD	D26	LD	LIC	MINNEAPOLIS, MN	BLANK0000194480	325.9
No	KXLT-TV	D26	DT	LIC	ROCHESTER, MN	BLANK0000063320	334.8
No	K26PF-D	D26	LD	LIC	SAINT CLOUD, MN	BLANK0000179704	284.8
No	K26PF-D	D26	LD	CP	SAINT CLOUD, MN	BLANK0000184986	287.1
No	K26CS-D	D26	LD	LIC	ST. JAMES, MN	BLANK0000124213	178.4
No	K26NU-D	D26	LD	LIC	WILLMAR, MN	BLANK0000060757	221.6
No	KNDB	D26	DT	LIC	BISMARCK, ND	BLCDT20100510AGW	466.7
No	KLNE-TV	D26	DT	LIC	LEXINGTON, NE	BLANK0000123803	420.2
No	KPTM	D26	DT	LIC	OMAHA, NE	BLANK0000190275	278.5
Yes	KSXC-LD	D26z	LD	LIC	SOUTH SIOUX CITY, NE	BLANK0000058765	122.8
Yes	KDLV-TV	D26	DT	LIC	MITCHELL, SD	BLCDT20081016ADD	140.8
No	K27LD-D	D27	LD	LIC	SALIX, IA	BLANK0000197222	116.1
No	K27NF-D	D27	LD	LIC	JACKSON, MN	BLANK0000064446	136.4
No	KRWF	D27	DT	LIC	REDWOOD FALLS, MN	BLCDT20080502ABG	140.7
No	KUON-TV	D27	DT	APP	LINCOLN, NE	BLANK0000199898	269.1
Yes	KCWS-LD	N27	TX	LIC	SIOUX FALLS, SD	BLANK0000116223	5.1
Yes	KCWS-LD	D27	LD	LIC	SIOUX FALLS, SD	BLANK0000178498	5.1

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D26z  
Mask: Full Service  
Latitude: 43 33 14.00 N (NAD83)  
Longitude: 96 41 6.00 W  
Height AMSL: 493.0 m  
HAAT: 0.0 m  
Peak ERP: 5.00 kW  
Antenna: AND-ALP8L7-HSOC (ID 17072) 230.0 deg  
Elev Pattn: Generic

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	1.85 kW	42.8 m	24.2 km
45.0	2.27	69.1	30.4
90.0	1.94	76.0	30.6
135.0	2.11	68.4	29.9
180.0	3.79	54.3	30.4
225.0	4.97	45.4	29.6
270.0	4.19	53.4	30.7
315.0	2.39	37.9	24.1

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m    Computed HAAT: 56 m

Distance to Canadian border: 594.9 km

Distance to Mexican border: 1564.1 km

Conditions at FCC monitoring station: Grand Island NE  
Bearing: 206.7 degrees    Distance: 325.8 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 244.8 degrees    Distance: 801.2 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%

No IX check failures found.