

tvstudy v2.2.5 (4uoc83)  
Database: localhost, Study: Granite26dFP, Model: Longley-Rice  
Start: 2018.04.23 10:11:26

Study created: 2018.04.23 10:08:15

Study build station data: LMS TV 2018-04-19

Proposal: K40MC-D D26 LD APP GRANITE FALLS, MN  
Facility ID: 43005  
Station data: User record  
Record ID: 478  
Country: U.S.

Build options:  
Protect pre-transition records not on baseline channel

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KKTW-LD	N19-	TX	LIC	Buffalo, MN	BLTTL19870921IE	132.1 km
No	KTIN	D25	DT	LIC	FORT DODGE, IA	BLEDT20070822ACB	240.0
No	KJNK-LD	D25	LD	LIC	MINNEAPOLIS, MN	BLDTT20090528ACL	182.7
No	K25II-D	D25	LD	LIC	REDWOOD FALLS, MN	BLDTT20120604AAV	56.2
No	K25NH-D	D25	LD	CP	SAUK CENTRE, MN	BNPDTL20100505AKM	117.9
No	K25MD-D	D25	LD	CP	SUMMIT, SD	BNPDTL20100505ADW	131.3
No	KBBA-LD	D26	LD	APP	Cedar Rapids, IA	BLANK0000052694	367.3
No	KRPG-LD	D26	LD	APP	DES MOINES, IA	BLANK0000051587	383.3
No	KCYM-LD	D26	LD	APP	Des Moines, IA	BLANK0000051607	383.3
No	K26JI-D	D26	LD	LIC	SIBLEY, IA	BLDTT20101213AAZ	155.9
No	K26CL-D	D26	LD	LIC	ALEXANDRIA, MN	BLDTL20120313ABG	125.8
No	KFTC	D26	DT	LIC	BEMIDJI, MN	BLCDT20090206AAG	311.6
No	K26MB-D	D26	LD	CP	BRAINERD, MN	BNPDTL20100609AFM	206.6
No	K26KF-D	D26	LD	LIC	DULUTH, MN	BLDTL20140501AAY	346.9
No	K26KF-D	D26	LD	CP	DULUTH, MN	BPDTL20140623ABU	346.9
No	KXLT-TV	D26	DT	CP	ROCHESTER, MN	BLANK0000027876	275.4
Yes	K26CS-D	D26	LD	LIC	ST. JAMES, MN	BLDTT20090817ABZ	110.1
No	K26MG-D	D26	LD	CP	WELLS, MN	BNPDTL20100510AJP	194.5

No	K26LA-D	D26	LD	CP	ARGUSVILLE, ND	BNPDTL20100504ANG	271.7
No	KNDB	D26	DT	LIC	BISMARCK, ND	BLCDT20100510AGW	450.7
No	K26MA-D	D26	LD	CP	VALLEY CITY, ND	BNPDTL20100505ALF	296.1
No	KPTM	D26	DT	CP	OMAHA, NE	BLANK0000033633	418.3
No	KSXC-LP	D26z	LD	CP	SOUTH SIOUX CITY, NE	BLANK0000010913	264.4
No	KDLV-TV	D26	DT	LIC	MITCHELL, SD	BLCDT20081016ADD	253.5
No	KCPO-LP	N26+	TX	LIC	SIOUX FALLS, SD	BLTTL20011029AAL	169.4
No	K27LY-D	D27	LD	CP	ALBANY, MN	BNPDTL20100505AKH	120.5
No	K27KN-D	D27	LD	LIC	ALEXANDRIA, MN	BLDTT20111123OCO	125.8
No	K27MB-D	D27	LD	CP	HEWITT, MN	BNPDTL20100505AKW	173.0
Yes	KRWF	D27	DT	LIC	REDWOOD FALLS, MN	BLCDT20080502ABG	36.3
No	K27ML-D	D27	LD	CP	RUSHMORE, MN	BNPDTL20100510AHZ	131.2
No	K27LB-D	D27	LD	CP	ARLINGTON, SD	BNPDTL20100505AEF	122.5
No	K32JG-D	D27	LD	APP	RAPID CITY, SD	BLANK0000052618	154.6

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D26  
 Mask: Full Service  
 Latitude: 44 48 17.00 N (NAD83)  
 Longitude: 95 34 50.00 W  
 Height AMSL: 404.0 m  
 HAAT: 0.0 m  
 Peak ERP: 1.80 kW  
 Antenna: Omnidirectional  
 Elev Pattn: Generic

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	1.80 kW	93.3 m	32.5 km
45.0	1.80	87.5	31.8
90.0	1.80	90.6	32.2
135.0	1.80	101.0	33.4
180.0	1.80	85.0	31.5

225.0	1.80	83.3	31.2
270.0	1.80	83.7	31.3
315.0	1.80	90.9	32.2

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m    Computed HAAT: 89 m

Distance to Canadian border: 434.5 km

Distance to Mexican border: 1728.3 km

Conditions at FCC monitoring station: Grand Island NE  
Bearing: 209.2 degrees    Distance: 489.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 240.1 degrees    Distance: 943.7 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%

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Interference to BLDTT20090817ABZ LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K26CS-D	D26	LD	LIC	ST. JAMES, MN	BLDTT20090817ABZ	
Undesireds:	K40MC-D	D26	LD	APP	GRANITE FALLS, MN		110.1 km
	K25II-D	D25	LD	LIC	REDWOOD FALLS, MN	BLDTT20120604AAV	57.4
	K26MG-D	D26	LD	CP	WELLS, MN	BNPDTL20100510AJP	85.0
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX

6591.6	75,324	6585.6	75,117	6581.6	75,001	6581.6	75,001	0.00	0.00
Undesired			Total IX	Unique IX, before		Unique IX, after			
K40MC-D D26 LD APP	2.0		0			0.0	0		
K25II-D D25 LD LIC	2.0		0	2.0	0	0.0	0		
K26MG-D D26 LD CP	2.0		116	2.0	116	2.0	116		

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Interference to BLCDT20080502ABG LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KRWF	D27	DT	LIC	REDWOOD FALLS, MN	BLCDT20080502ABG	
Undesireds:	K40MC-D	D26	LD	APP	GRANITE FALLS, MN		36.3 km
	WHWC-TV	D27	DT	APP	MENOMONIE, WI	BLANK0000035676	293.0
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	11494.3	85,677	11487.2	85,675	11486.2	85,675	0.04 0.00

Undesired			Total IX	Unique IX, before		Unique IX, after	
K40MC-D D26 LD APP	5.1		3			5.1	3
WHWC-TV D27 DT APP	1.0		0	1.0	0	1.0	0

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Interference to BLCDT20080502ABG LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KRWF	D27	DT	LIC	REDWOOD FALLS, MN	BLCDT20080502ABG	
Undesireds:	K40MC-D	D26	LD	APP	GRANITE FALLS, MN		36.3 km
	WHWC-TV	D27	DT	LIC	MENOMONIE, WI	BLEDT20040824AAF	293.0
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	11494.3	85,677	11487.2	85,675	11486.2	85,675	0.04 0.00

Undesired			Total IX	Unique IX, before		Unique IX, after	
K40MC-D D26 LD APP	5.1		3			5.1	3
WHWC-TV D27 DT LIC	1.0		0	1.0	0	1.0	0

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Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K40MC-D	D26	LD	APP	GRANITE FALLS, MN		
Undesireds:	K26CS-D	D26	LD	LIC	ST. JAMES, MN	BLDTT20090817ABZ	110.1 km
	KRWF	D27	DT	LIC	REDWOOD FALLS, MN	BLCDT20080502ABG	36.3
	Service area			Terrain-limited		IX-free	Percent IX
	3259.0	24,282		3257.0	24,282	3252.0	24,275
							0.15 0.03
Undesired				Total IX		Unique IX	Prcnt Unique IX
K26CS-D D26 LD LIC			2.0	1	2.0	1	0.06 0.00
KRWF D27 DT LIC			3.0	6	3.0	6	0.09 0.02