

FIGURE 4 - K270W-LD FCC TVSTUDY SUMMARY REPORT

CELL SIZE 1.0

PROFILE SPACING 1.0

Study build station data: LMS TV 2023-02-24 #505

Proposal: K270W-D D27 LD LIC Rochester, MN  
 File number: K270W APP  
 Facility ID: 129454  
 Station data: User record  
 Record ID: 692  
 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	WDMI-LD	D26	LD	LIC	MINNEAPOLIS, MN	BLANK0000194480	141.8 km
No	KXLT-TV	D26	DT	LIC	ROCHESTER, MN	BLANK0000063320	32.1
No	K26CS-D	D26	LD	LIC	ST. JAMES, MN	BLANK0000124213	176.4
No	W26FG-D	D26	LD	LIC	EAU CLAIRE, WI	BLANK0000195966	121.5
No	WZEO-LD	D26	LD	LIC	LA CROSSE, WI	BLANK0000197912	90.7
No	WKOW	D26	DT	LIC	MADISON, WI	BLCDT20111006AAO	250.4
No	KFXA	D27	DT	LIC	CEDAR RAPIDS, IA	BLCDT20050713ABD	204.7
No	K27LD-D	D27	LD	LIC	SALIX, IA	BLANK0000197222	356.2
No	W27EJ-D	D27	LD	LIC	STERLING, IL	BLANK0000063145	319.8
No	K27KN-D	D27	LD	LIC	ALEXANDRIA, MN	BLDTT20111123OCO	327.9
No	KCWV	D27	DT	CP	DULUTH, MN	BLANK0000036079	319.5
No	KCWV	D27	DT	LIC	DULUTH, MN	BLANK0000004652	319.5
No	K27FI-D	D27	LD	LIC	FROST, MN	BLDTT20090730ACP	127.9
No	K27NF-D	D27	LD	LIC	JACKSON, MN	BLANK0000064446	210.7
No	KRWF	D27	DT	LIC	REDWOOD FALLS, MN	BLCDT20080502ABG	253.9
No	KUON-TV	D27	DT	APP	LINCOLN, NE	BLANK0000199898	453.3
No	KOHA-LD	D27	LD	LIC	OMAHA, NE	BLANK0000181422	417.0
No	KCWS-LD	N27	TX	LIC	SIOUX FALLS, SD	BLANK0000116223	351.0
No	KCWS-LD	D27	LD	LIC	SIOUX FALLS, SD	BLANK0000178498	351.0
Yes	WHWC-TV	D27	DT	LIC	MENOMONIE, WI	BLANK0000157562	132.7
No	WVTV	D27	DT	LIC	MILWAUKEE, WI	BLANK0000121792	374.0
No	W27AU-D	D27	LD	LIC	WAUSAU, WI	BLDTL20110315ABH	243.7
No	K28OH-D	D28	LD	LIC	ST. JAMES, MN	BLANK0000064440	176.4
Yes	WXOW	D28	DT	LIC	LA CROSSE, WI	BLANK0000058613	84.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D27  
 Mask: Full Service  
 Latitude: 43 55 3.14 N (NAD83)  
 Longitude: 92 24 16.70 W  
 Height AMSL: 427.7 m  
 HAAT: 0.0 m  
 Peak ERP: 8.00 kW  
 Antenna: SCA PR-TV CUS 0.0 deg  
 Elev Pattern: Generic

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	8.00 kW	87.0 m	39.1 km
45.0	0.069	55.5	12.3
90.0	0.044	56.5	11.2
135.0	0.051	41.7	9.9
180.0	0.044	42.3	9.6
225.0	3.18	58.5	30.3
270.0	0.330	53.0	18.1
315.0	0.104	86.4	16.7

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 60 m

Distance to Canadian border: 463.2 km

Distance to Mexican border: 1761.7 km

Conditions at FCC monitoring station: Allegan MI  
Bearing: 103.4 degrees Distance: 541.8 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 252.8 degrees Distance: 1136.6 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%

Proposal causes 0.16% interference to BLANK0000157562 LIC scenario 1  
Proposal causes 0.02% interference to BLANK0000058613 LIC scenario 1

---- Below is IX received by proposal K270W APP ----

Proposal receives 3.86% interference from scenario 1

No IX check failures found.