

# FIGURE 1 - ALLOCATION STUDY

REFERENCE  
43 47 17.0 N.  
92 54 29.0 W.

CH# 232D - 94.3 MHz, Pwr= 0.25 kW, HAAT= 57.5 M, COR= 449 M  
Average Protected F(50-50)= 9.97 km  
Omni-directional

DISPLAY DATES  
DATA 04-16-18  
SEARCH 04-17-18

CH CITY	CALL	TYPE STATE	ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
232D Austin	1777609	APP _C_	MN	278.2 98.2	3.25 BNPFT20180131AFW	43 47 32.0 92 56 53.0	0.250	3.25 484	3.25 Hometown Broadcasting Of A	64.5R	-61.3M
232D Rochester	K232EK	LIC _C_	MN	57.9 238.3	53.62 BLFT20141218AEH	44 02 32.0 92 20 26.0	0.115	44.0 488	12.9 University Of Northwestern	1.2	11.9
230C1 Mason City	KIAI	LIC _CX	IA	192.8 12.7	70.60 BMLH20151228BDA	43 10 05.7 93 06 03.2	100.000 241	9.0 585	67.0 Alpha 3e Licensee Lic	50.3	2.6
235A Albert Lea	KCPI	LIC NCX	MN	245.3 65.0	41.06 BLH20040825ABI	43 38 00.0 93 22 15.0	5.000 90	2.6 474	26.6 Alpha 3e Licensee Lic	27.7	13.3
233C St. Paul	KSTP-FM	LIC _CY	MN	352.7 172.5	142.80 BMLH19910923KF	45 03 45.0 93 08 22.0	100.000 372	116.0 647	78.3 Kstp-fm Fcc License Sub, L	17.0	51.3
232C2 Prairie Du Chien	WOPC	LIC NCN	WI	118.4 299.6	167.25 BLH19910814KK	43 03 35.0 91 06 02.0	36.000 160	137.1 432	54.0 Robinson Corporation	21.5	85.6
234D Owatonna	K234DB	CP _C_	MN	325.7 145.5	38.54 BNPFT20171215AAE	44 04 26.0 93 10 48.0	0.250	1.1 412	7.1 Townsquare Media Fari baul t	26.9	30.2
285A Owatonna	KRFO-FM	LIC NCX	MN	325.7 145.5	38.54 BMLH20131203AFP	44 04 26.0 93 10 48.0	4.700 53	0.0 424	0.0 Townsquare Media Fari baul t	9.5R	29.0M
231A Eagle Lake	AL8441	RSV-A	MN	300.4 119.7	93.39 RM11325	44 12 29.0 93 55 00.0	6.000 100	39.1 394	25.4 43.8		53.3
231A Eagle Lake	KXLP	LIC NCX	MN	294.6 113.8	96.15 BLH20100326ACA	44 08 31.0 94 00 05.0	3.700 121	41.4 413	27.1 Minnesota Valley Broadcast	44.3	54.5

Terrain database is FCC NGDC 30 Sec , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM  
In & Out distances between contours are shown at closest points. Reference zone= West Zone, Co to 3rd adjacent.  
All separation margins (if shown) include rounding.  
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, \_= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)  
\*\*\*affixed to 'IN' or 'OUT' values = site inside restricted contour.

FIGURE 2 - KQAQ 2MV/M CONTOUR & 25-MILE CIRCLE

