

# FIGURE 1 - ALLOCATION STUDY

REFERENCE  
43 37 45.0 N.  
94 29 00.0 W.

CH# 246D - 97.1 MHz, Pwr= 0.25 kW, HAAT= 0.0 M, COR= 480 M  
Average Protected F(50-50)= 7.09 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*
246D Fairmont	1776766	APP _C_	MN	0.0 0.0	0.00 BNPFT20180129ABJ	43 37 45.0 94 29 00.0	0.250 480	0.00 480	0.00 City Of Lakes Media, Inc.	64.5R	-64.5M
246D Windom	K246BG	LIC _C_	MN	298.9 118.5	58.36 BLFT20070514ABP	43 52 51.0 95 07 10.0	0.180 47	29.7 482	9.0 Minnesota Public Radio	15.1	3.2
246C Minneapolis	KTCZ-FM	LIC _CN	MN	33.7 214.7	192.26 BLH19910814KC	45 03 30.0 93 07 27.0	100.000 315	174.0 593	73.7 Amfm Broadcasting Licenses	3.3	68.7
247D Estherville	K247CJ	LIC _C_	IA	231.1 50.9	35.27 BLFT20170421AAN	43 25 47.0 94 49 22.0	0.150 495	16.4 495	11.3 Jacobson Broadcasting Comp	5.7	4.2
245C1 Clarion	KIAQ	LIC _CN	IA	165.8 346.0	109.71 BLH19870120KA	42 40 18.0 94 09 11.0	100.000 176	90.9 518	61.0 Alpha 3e Licensee Lic	4.4	27.4
249D Spirit Lake	K249EO	CP _DC_	IA	267.8 87.5	38.77 BPFT20151228BAX	43 36 54.0 94 57 48.0	0.250 517	0.7 517	11.0 Community First Broadcasti	25.1	26.6
249D Spirit Lake	K249EO	LIC _DC_	IA	267.8 87.5	38.77 BLFT20151216ADL	43 36 54.0 94 57 48.0	0.250 99	0.7 525	11.3 Community First Broadcasti	25.1	26.3
244C3 North Mankato	KDOG	LIC _CN	MN	23.8 204.1	72.14 BLH19930920KC	44 13 20.0 94 07 03.0	4.000 198	3.2 483	35.4 Minnesota Valley Broadcast	54.1	35.6
247D New Ulm	K247CU	CP _C_	MN	3.4 183.4	70.77 BNPFT20171205ACD	44 15 54.0 94 25 50.0	0.250 400	19.3 400	12.9 Ingstad Brothers Broadcast	36.7	35.7
246L1 Kensett	KUEL-LP	LIC _	IA	107.3 288.1	98.43 BLL20141020AAE	43 21 36.0 93 19 26.0	0.028 56	433	67.6 Elk Creek Lutheran Church	44.1	
299C1 Spencer	KICD-FM	LIC _CX	IA	226.3 45.9	74.38 BLH20170407AAS	43 09 57.0 95 08 46.0	100.000 95	0.0 511	0.0 Saga Communications Of Iow	21.5R	52.9M

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.  
Reference station has protected zone issue: AM tower

