

## Robert Moore

REFERENCE CH# 219D - 91.7 MHz, Pwr= 0.25 kw, HAAT= 28.7 M, COR= 304 M  
 45 18 32.0 N. Average Protected F(50-50)= 7.09 km  
 92 59 07.0 W. Omni-directional

DISPLAY DATES  
 DATA 08-06-18  
 SEARCH 08-20-18

CH CITY	CALL	TYPE STATE	ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*OUT* (Overlap in km)
216C0	KNOW-FM	LIC _CX	203.8	29.95	45 03 44.0	100.000	11.4	79.0	-50.2*	
Minneapolis-st. Pau	MN		23.7	BLED20110907AFB	93 08 21.0	389	663	Minnesota Public Radio		
219D	W219DT	LIC _C_	353.5	11.56	45 24 44.0	0.030	13.2	4.1	-17.9*	
North Branch	MN		173.5	BLFT20180620AAP	93 00 07.0		289	Maranatha Assembly Of God		
219D	WMCN	LIC _CX	199.2	43.58	44 56 19.0	0.005	9.2	2.9	15.5	
St. Paul	MN		19.1	BLED20030213AAT	93 10 04.0	49	314	Macalester College		
220C3	WINH	LIC _CX	357.9	79.61	46 01 28.2	16.000	62.8	42.2	26.7	
Hinckley	MN		177.9	BLED20131218ETO	93 01 21.3	128	452	Minnesota Public Radio		
221D	W221BS	LIC DC_	192.2	41.00	44 56 54.0	0.080	0.6	10.0	29.8	
St. Paul	MN		12.1	BLFT20170202ABF	93 05 44.0		380	630 Radio, Incorporated		

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= East 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)  
 Incoming contour overlap is ignored.  
 "\*"affixed to 'IN' or 'OUT' values = site inside restricted contour.