

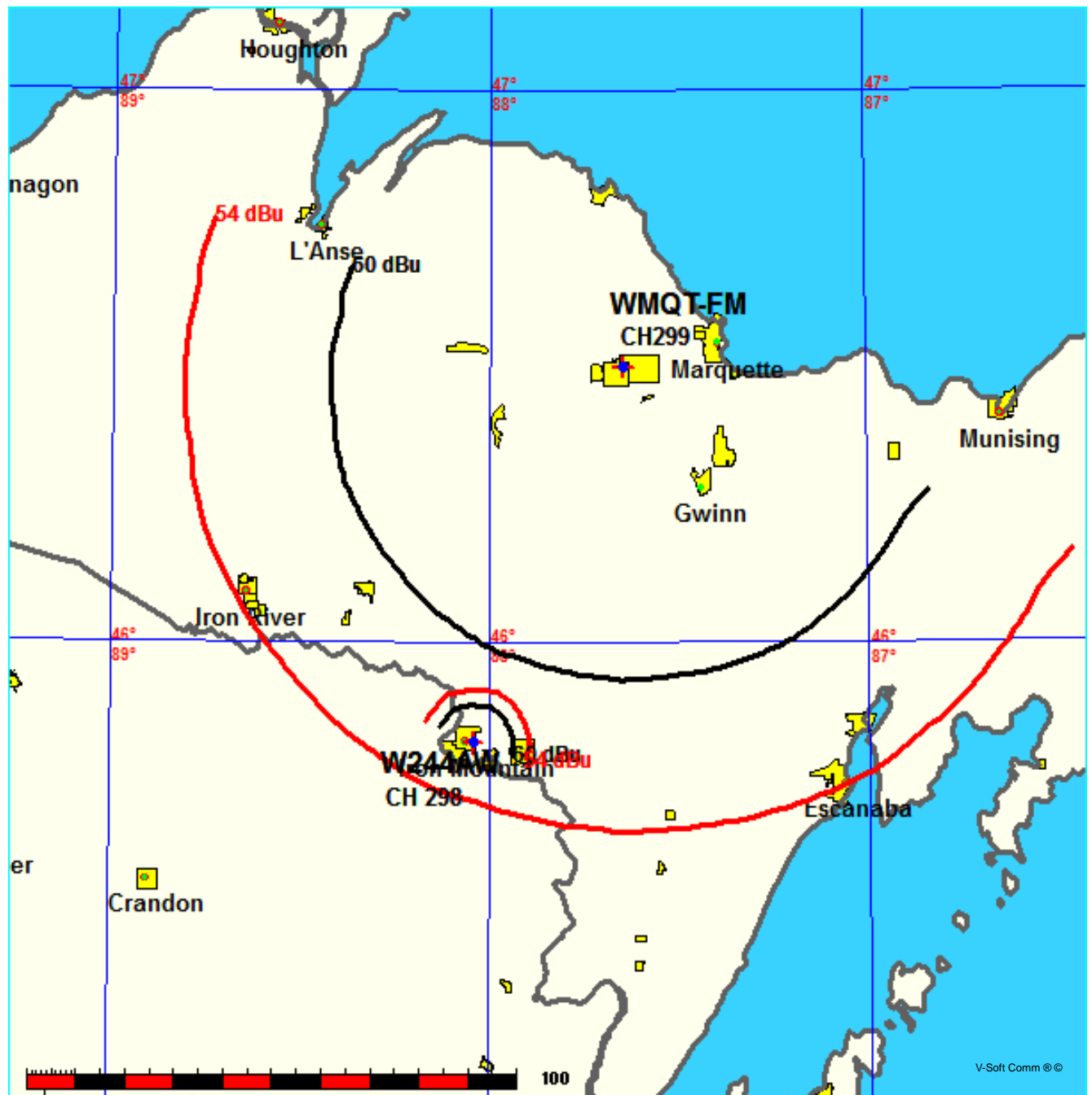
**Channel Study**

REFERENCE		CH# 298D - 107.5 MHz, Pwr= 0.01 kW, HAAT= 179.0 M, COR= 521 M								DISPLAY DATES	
45 49 15.0 N.		Average Protected F(50-50)= 7.8 km								DATA 05-06-14	
88 02 35.0 W.		Omni-directional								SEARCH 05-06-14	
CH CITY	CALL	TYPE STATE	ANT	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
299C1 Ishpeming	WMQT-FM	LIC	C MI	21.7 202.0	81.66 BLH20040528ABO	46 30 08.0 87 38 52.0	100.000 195	93.3 625	62.8 Taconite Broadcasting, Inc	-19.3*<	8.0
297C2 Powers	WUPF	LIC	NCX MI	102.5 283.0	55.51 BLH20081229AAF	45 42 39.0 87 20 49.0	50.000 97	64.8 329	40.3 Radioactive, Llc	-17.2*<	4.0
298C3 Brillion	WUZZ-FM	LIC	CN WI	178.4 358.4	162.53 BLH19990521KC	44 21 32.0 87 59 07.0	3.600 268	104.2 512	41.5 Cumulus Licensing Llc	50.4	94.1
299L1 Marinette	WLWR-LP	LIC		159.9 340.1	79.63 BLL20051025AAW	45 08 52.0 87 41 37.0	0.100 30			63.5	62.4
300C Wausau	WBCV	LIC	CN WI	232.6 51.6	138.00 BLH19850205KW	45 03 33.0 89 26 10.0	100.000 314	9.9 742	71.4 Nrg License Sub, Llc	120.9	66.4
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Terrain database is NGDC 30 SEC, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM											
Contour distances are on direct line to and from reference station. Reference Zone= East Zone, Co to 3rd adjacent.											
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 protected contour.											
< = Contour Overlap											

FMCommander Single Allocation Study - 05-07-2014 - NGDC 30 SEC  
W244AW's Overlaps (In= -19.28 km, Out= 7.98 km)

W244AW CH 298 D  
Lat= 45 49 15.0, Lng= 88 02 35.0  
0.01 kW 179 M HAAT, 521 M COR  
Prot.= 60 dBu, Intef.= 54 dBu

WMQT-FM CH 299 C1 BLH20040528ABO  
Lat= 46 30 08.0, Lng= 87 38 52.0  
100.0 kW 194.7 M HAAT, 624.8 M COR  
Prot.= 60 dBu, Intef.= 54 dBu



FMCommander Single Allocation Study - 05-07-2014 - NGDC 30 SEC  
W244AW's Overlaps (In= -17.2 km, Out= 3.97 km)

W244AW CH 298 D  
Lat= 45 49 15.0, Lng= 88 02 35.0  
0.01 kW 179 M HAAT, 521 M COR  
Prot.= 60 dBu, Intef.= 54 dBu

WUPF CH 297 C2 73.215 N BLH20081229AAF  
Lat= 45 42 39.0, Lng= 87 20 49.0  
50.0 kW 97 M HAAT, 329 M COR  
Prot.= 60 dBu, Intef.= 54 dBu

