

## Muskegon, MI Channel Study

REFERENCE CH# 219A - 91.7 MHz, Pwr= 6 kW, HAAT=92.0 M, COR= 316 M DISPLAY DATES  
 43 16 24 N Average Protected F(50-50)= 27.2 km DATA 08-29-03  
 85 54 42 W Ave. F(50-10) 40 dBu= 85.3 54 dBu= 42.0 80 dBu= 8.7 100 dBu= 2.7 SEARCH 09-02-03

CH CITY	CALL	TYPE STATE	AZI. --	DIST FILE #	LAT. LNG.	Pwr (kW) HAAT (M)	COR (M) INT (km)	PRO (km) LICENSEE	*IN* (Overlap in km)	*OUT* (in km)
219A WMCQ.C Muskegon	CP CX MI	288.0 21.74 108.0 BPED19961224MC	43 20 00 86 10 00	6.000 104	301 88.9	28.8 Great Lakes Broadcast Acad	-95.52* -95.91*			
220A AP220 Greenville	APP DVN MI	111.2 55.65 291.2 BNPED19991115AAD	43 05 27 85 16 27	6.000 40	305 32.8	18.3 Larlen Communications Inc.	6.74 4.59			
220A 990720 Orleans	APP ZEN MI	110.0 59.59 290.0 BPED19990720MD	43 05 17 85 13 26	5.000 36	302 32.1	16.5 Pensacola Christian Colleg	13.44 10.92			
217B WCSG Grand Rapids	LIC DCN MI	158.0 57.16 338.0 BLED19910801KA	42 47 46 85 38 58	36.276 197	400 2.7	54.2 Cornerstone University.	22.99 0.21			
218A 990720 Rodney	APP CN MI	47.7 65.40 227.7 BPED19990720MC	43 40 02 85 18 40	0.200 47	362 37.3	8.5 Great Lakes Community Broa	29.04 19.64			
218A 990720 Rodney	APP CX MI	44.7 71.21 224.7 BPED19990720MC	43 43 35 85 17 20	0.200 260	580 36.8	19.9 Great Lakes Community Broa	17.55 14.43			
221A WGHNFM Grand Haven	LIC CN MI	228.0 36.02 48.0 BLH19861110KA	43 03 23 86 14 27	3.000 77	261 2.9	21.3 Wghn, Inc.	4.31 11.81			
218C3 WMHWF Mt. Pleasant	APP DVX MI	69.5 98.01 249.5 BPED20010517ABQ	43 34 33 84 46 29	3.249 110	380 37.9	25.8 Central Michigan Universit	33.93 34.26			
218A 990914 Carson City	APP VN MI	99.3 81.43 279.3 BPED19990914MC	43 09 05 84 55 25	0.800 29	279 34.6	9.6 Great Lakes Community Broa	45.11 37.26			
219B WUOM Ann Arbor	LIC CN MI	119.9 189.54 299.9 BLED19990204KA	42 24 27 83 54 50	93.000 235	513 81.3	66.3 The Regents Of The Univ. O	1.54 41.94			
219C WCMLFM Alpena	LIC CN MI	33.3 249.97 213.3 BLED1785	45 08 17 84 09 44	100.000 330	631 82.0	74.6 Central Michigan Universit	49.81 93.38			
218A WMHWF Mt. Pleasant	LIC C MI	69.5 98.01 249.5 BLED20010503AAC	43 34 33 84 46 29	0.340 9	279 37.9	7.7 Central Michigan Universit	62.31 52.41			
220A AP220 Richland	APP EX MI	153.4 98.26 333.4 BNPED19991117ABI	42 28 54 85 22 31	6.000 92	379 42.1	27.2 Living Proof, Inc.	29.00 28.97			
220A AP220 Richland	APP DVN MI	153.4 98.26 333.4 BNPED19991117ABI	42 28 54 85 22 31	1.796 92	379 42.1	20.6 Living Proof, Inc.	40.66 35.55			
216C1 WOLW Cadillac	LIC DEN MI	8.1 112.52 188.1 BLED19880502KC	44 16 33 85 42 49	50.000 234	560 2.6	60.3 Northern Christian Radio,	78.12 49.61			
220A 981208 Level Park	APP DVN MI	153.7 110.25 333.7 BPED19981208MF	42 22 57 85 19 02	0.033 21	302 42.3	4.2 Pensacola Christian Colleg	76.84 63.70			
220A AP220 Level Park	APP CX MI	152.8 111.18 332.8 BNPED19991116AIT	42 22 56 85 17 34	0.140 10	292 42.1	6.1 Broadcasting For The Chall	75.18 62.95			
272C3 WYBR< Big Rapids	LIC NCN MI	30.1 52.80 210.1 BLH19921112KE	43 41 01 85 34 56	10.500 135	443 27.1	36.8 Mentor Partners, Inc.	12.0R 40.8M			
219A WSHS Sheboygan	LIC V WI	291.6 156.32 111.6 BLED20000515AAH	43 46 32 87 43 04	0.175 48	225 88.4	8.2 Sheboygan Area School Dist	99.33 59.67			
222A WZUU Allegan	LIC CN MI	170.5 77.96 350.5 BLH19910509KD	42 34 52 85 45 17	0.860 197	414 2.8	24.7 Forum Communications, Inc.	47.31 50.49			
219A WMSE Milwaukee	LIC CN WI	261.8 164.31 81.8 BLED19950324KB	43 02 44 87 54 28	3.200 74	251 88.3	21.3 Milwaukee School Of Engine	63.15 54.80			
219C3 WLWR.C Fond Du Lac	CP DVX WI	284.5 200.84 104.5 BPED19980512MG	43 42 00 88 19 27	0.521 84	400 89.0	14.1 Cornerstone Community Radi	121.58 97.66			
218A AP218 Fremont Township	APP EX MI	84.3 138.82 264.3 BNPED20000307AAA	43 23 05 84 12 25	0.700 47	248 36.7	11.6 Great Lakes Community Broa	97.93 90.48			
06-2C WLNSTV Lansing	LI HN MI	117.0 141.07 297.0 BLCT20020103AAA	42 41 19 84 22 35	100.000 318	577 310.2	105.0 Young Broadcasting Of Lans	To Grd B= 36.06			

\*\*\*Affixed to 'IN' or 'Out' values = site inside protected contour.

ERP and HAAT are on direct line to and from reference station.  
"«" = Station meets FCC minimum distance spacing for its class.