

WSUM(FM), Ch. 219A, Madison, WI

REFERENCE CH# 219A - 91.7 MHz, Pwr= 5.6 kW, HAAT=103.0 M, COR= 404 M
 42 54 16 N Contour Overlap Study
 89 33 20 W Average Protected F(50-50)= 28.25 km
 Ave. F(50-10) 40 dBu= 86.1 54 dBu= 43.6 80 dBu= 9.1 100 dBu= 2.7
 DISPLAY DATES
 DATA 05-14-02
 SEARCH 08-23-02

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*
219A Whitewater	*WSUW	LIC CN WI	96.3 276.3	66.80 BLED1792	42 50 10 88 44 36	1.300 50	317 50.9	13.9 Bd. Of Regents, Univ. Of W	2.77	7.80
> Reference HAAT at 96.3°= 101.6 M, Pwr= 0.26324 kW, Pro. Dist. = 13.13 km, Int Dist. = 45.13 km										
218A Janesville	*990719	APP DCN WI	121.5 301.5	37.07 BPED19990719MI	42 43 47 89 10 10	0.226 103	392 19.0	12.8 Family Stations, Inc.	5.01	4.78
> Reference HAAT at 121.5°= 108.6 M, Pwr= 0.224 kW, Pro. Dist. = 13.04 km, Int Dist. = 19.53 km										
219C Iowa City	*KSUI	LIC CY IA	228.7 48.7	197.41 BLED19960708KC	41 43 15 91 20 30	100.000 386	626 181.7	78.7 The University Of Iowa	1.84	70.73
> Reference HAAT at 228.7°= 94.7 M, Pwr= 0.38293 kW, Pro. Dist. = 13.91 km, Int Dist. = 47.95 km										
220A Janesville	*981224	APP ZCN WI	118.8 298.8	44.99 BPED19981224MA	42 42 31 89 04 27	0.384 79	371 18.8	12.7 Vcy America, Inc.	13.21	12.88
> Reference HAAT at 118.8°= 107.2 M, Pwr= 0.224 kW, Pro. Dist. = 12.95 km, Int Dist. = 19.39 km										
219A Woodstock	*990917	APP DCN IL	121.6 301.6	103.79 BPED19990917MI	42 24 40 88 28 50	0.277 40	340 28.0	8.4 Family Stations Inc.	62.74	50.71
> Reference HAAT at 121.6°= 108.6 M, Pwr= 0.224 kW, Pro. Dist. = 13.04 km, Int Dist. = 44.67 km										
219A Woodstock	*990917	APP DVN IL	130.3 310.3	104.52 BPED19990917MM	42 17 37 88 35 13	1.636 103	365 67.5	21.4 Cornerstone Community Radi	23.41	36.94
> Reference HAAT at 130.3°= 118.1 M, Pwr= 0.224 kW, Pro. Dist. = 13.58 km, Int Dist. = 46.21 km										
219B1 Fond Du Lac	*980512	APP DVX WI	48.0 228.0	133.40 BPED19980512MG	43 42 00 88 19 27	10.000 77	400 91.0	28.1 Cornerstone Community Radi	21.38	37.44
> Reference HAAT at 48.0°= 90.8 M, Pwr= 1.987 kW, Pro. Dist. = 20.98 km, Int Dist. = 67.89 km										
219A Woodstock	*990916	APP CN IL	123.7 303.7	106.61 BPED19990916MC	42 22 06 88 28 39	1.000 -3	290 35.6	10.2 Broadcasting For The Chall	57.95	51.84
> Reference HAAT at 123.7°= 108.3 M, Pwr= 0.224 kW, Pro. Dist. = 13.02 km, Int Dist. = 44.61 km										
217C1 Highland	*WHHI	LIC CN WI	283.9 103.9	68.27 BLED19980605KF	43 02 55 90 22 09	100.000 173	477 7.6	61.2 State Of Wisc.- Educationa	42.89	5.48
> Reference HAAT at 283.9°= 108.5 M, Pwr= 0.70846 kW, Pro. Dist. = 17.75 km, Int Dist. = 1.61 km										
273B Madison	WNWCFM	LIC CN WI	15.2 195.2	15.07 BLH3247	43 02 07 89 30 25	50.000 137	439 0.0	63.2 Northwestern College	15.0R	0.1M
221A Sun Prairie	WMADFM	LIC CN WI	38.9 218.9	38.54 BLH19790530AM	43 10 25 89 15 26	1.750 122	405 2.1	23.4 Capstar Tx Limited Partner	8.24	12.36
221A Sun Prairie	WMADFM	CP CN WI	38.9 218.9	38.54 BPH19970508IB	43 10 25 89 15 26	3.900 125	405 2.6	28.3 Capstar Tx Limited Partner	7.65	7.49
219A Milwaukee	WMSE	LIC CN WI	82.8 262.8	135.33 BLED19950324KB	43 02 44 87 54 28	3.200 40	251 60.5	15.4 Milwaukee School Of Engine	46.56	33.86
216B1 Loves Park	WGSL	LIC DC IL	145.3 325.3	78.59 BLED20010727AAW	42 19 20 89 00 41	7.000 161	408 3.5	36.6 Christian Life Center Scho	46.84	39.28
221A Freeport	WFPSFM	LIC C IL	192.3 12.3	65.52 BLH20001219ABH	42 19 41 89 43 30	3.600 129	387 2.6	28.2 Mayfair Broadcasting Corpo	34.66	34.61
218A Sterling	WNIQ	LIC CN IL	182.1 2.1	111.90 BLED19981112KA	41 53 52 89 36 20	2.400 100	326 34.5	23.0 Northern Illinois Universi	49.15	45.30
219C1 Rochester	KLSEFM	LIC CN MN	300.3 120.3	258.30 BLED19980504KG	44 02 28 92 20 25	94.000 288	638 169.2	70.8 Minnesota Public Radio	60.84	101.42
219A Sheboygan	WSHS	LIC V WI	56.3 236.3	177.70 BLED20000515AAH	43 46 32 87 43 04	0.175 26	225 21.6	6.5 Sheboygan Area School Dist	127.80	85.13
06Z1C Milwaukee	WITI	LI N WI	80.7 260.7	136.80 BLCT19990129KT	43 05 26 87 53 50	100.000 305	511 0.0	To Grd B= Witi License,inc.		32.83

"*" = ERP and HAAT on direct line to and from reference station.