

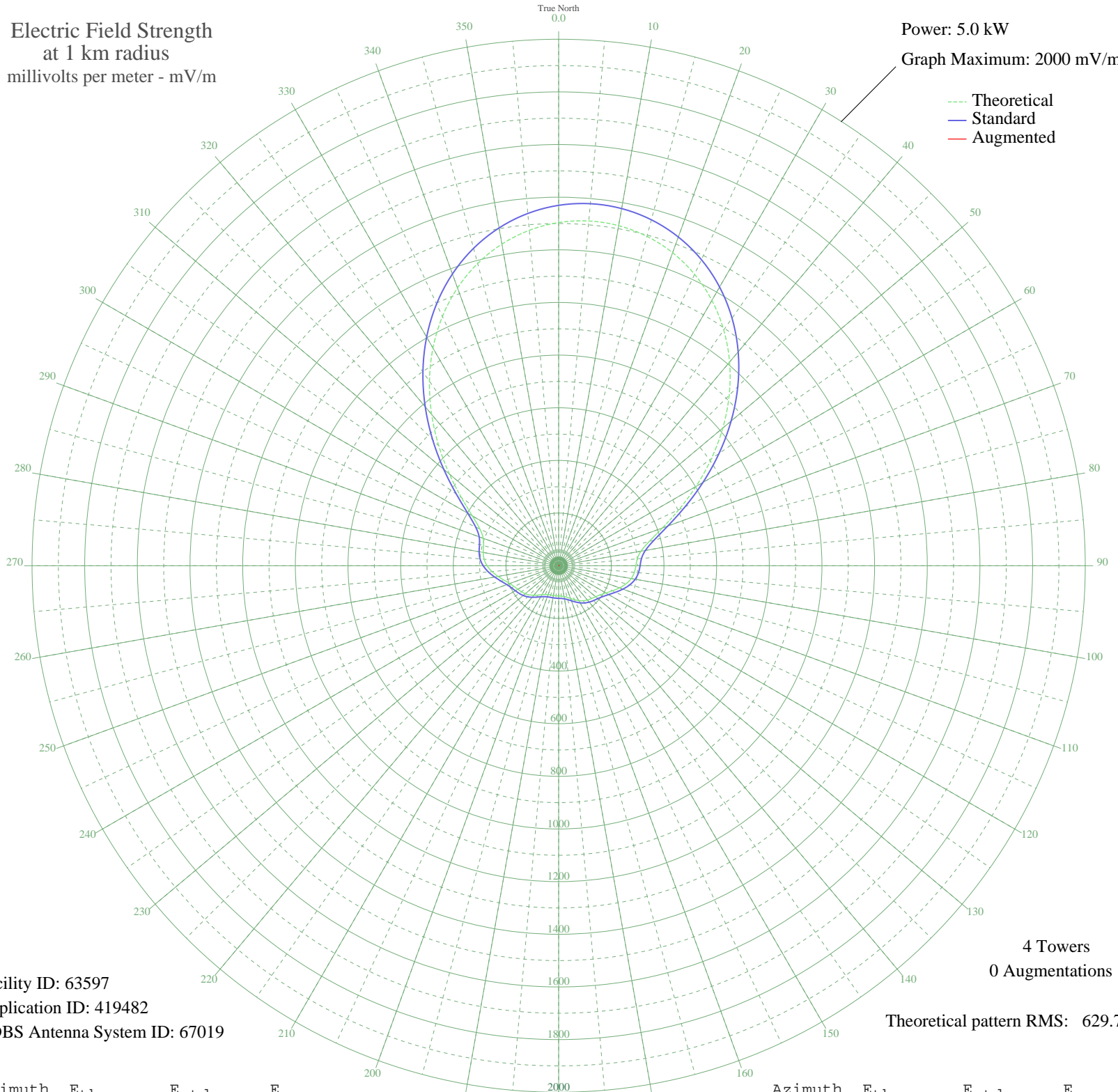
WMCS GREENFIELD, WI BL-19840902AH 1290 kHz

Daytime

Electric Field Strength
at 1 km radius
millivolts per meter - mV/m

Power: 5.0 kW

Graph Maximum: 2000 mV/m



--- Theoretical
— Standard
— Augmented

4 Towers
0 Augmentations

Theoretical pattern RMS: 629.74

Facility ID: 63597
Application ID: 419482
CDBS Antenna System ID: 67019

Azimuth	E _{theo}	E _{std}	E _{aug}
0	1303.61	1369.07	
5	1314.50	1380.50	
10	1311.78	1377.65	
15	1295.43	1360.48	
20	1265.37	1328.92	
25	1221.52	1282.90	
30	1163.98	1222.49	
35	1093.13	1148.11	
40	1009.89	1060.74	
45	915.95	962.14	
50	813.95	855.09	
55	707.65	743.54	
60	602.09	632.80	
65	503.57	529.47	
70	419.32	441.15	
75	356.19	375.01	
80	317.52	334.53	
85	299.71	315.90	
90	293.33	309.22	
95	288.69	304.37	
100	279.85	295.13	
105	265.12	279.74	
110	245.92	259.69	
115	225.42	238.29	
120	207.01	219.10	
125	192.92	204.43	
130	183.26	194.39	
135	176.32	187.18	
140	169.81	180.42	
145	162.08	172.40	
150	152.70	162.69	
155	142.33	151.97	
160	132.34	141.67	
165	124.18	133.27	
170	118.73	127.68	
175	115.94	124.82	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	114.97	123.82	
185	114.79	123.64	
190	114.82	123.67	
195	115.21	124.07	
200	116.78	125.68	
205	120.57	129.56	
210	127.15	136.32	
215	136.20	145.64	
220	146.52	156.29	
225	156.63	166.75	
230	165.38	175.82	
235	172.49	183.20	
240	178.92	189.88	
245	186.67	197.93	
250	197.98	209.70	
255	213.94	226.32	
260	233.55	246.77	
265	253.96	268.08	
270	271.68	286.59	
275	284.08	299.56	
280	290.82	306.60	
285	295.19	311.17	
290	304.86	321.29	
295	330.11	347.70	
300	378.56	398.45	
305	450.84	474.18	
310	541.69	569.44	
315	643.85	676.61	
320	750.39	788.39	
325	855.50	898.70	
330	954.67	1002.78	
335	1044.58	1097.16	
340	1123.02	1179.49	
345	1188.63	1248.36	
350	1240.71	1303.04	
355	1279.04	1343.28	

The theoretical pattern is used to create the standard pattern. Augmentations (if any) expand the standard pattern in specified directions. See Sections 73.150 and 73.152 of the FCC's Rules.

AM coverage may not mirror the pattern shown here. Additional factors such as ground conductivity or skywave propagation affect how far the AM signal will travel.

Patterns for stations outside the USA are based on notified parameters.

AM directional patterns created before 1982 used units of 1 mV/m at 1 mile, not one kilometer. The pattern values on such plots at 1 mile will be 0.62137 of the values listed here. Measured pattern values may vary from values shown here.

Plot is best printed on 11" by 17" or larger paper.

04 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission