

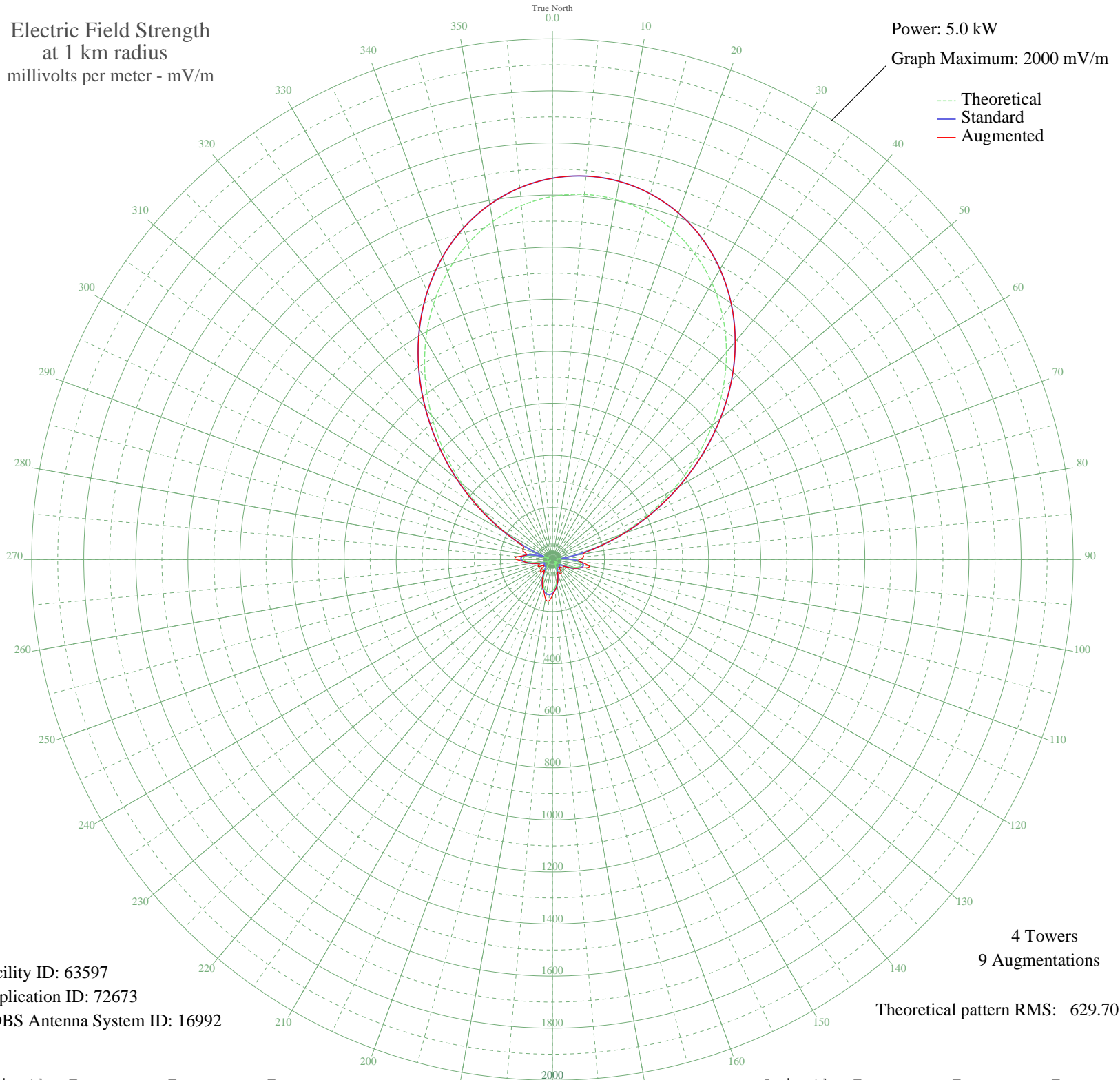
WMCS GREENFIELD, WI BL-19840920AH 1290 kHz

Nighttime

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

Power: 5.0 kW

Graph Maximum: 2000 mV/m



Facility ID: 63597  
Application ID: 72673  
CDBS Antenna System ID: 16992

4 Towers  
9 Augmentations  
Theoretical pattern RMS: 629.70

Azimuth	Etheo	Estd	Eaug
0	1394.55	1464.61	1464.61
5	1407.75	1478.48	1478.48
10	1404.45	1475.01	1475.01
15	1384.64	1454.21	1454.21
20	1348.24	1416.00	1416.00
25	1295.23	1360.36	1360.36
30	1225.74	1287.42	1287.42
35	1140.23	1197.66	1197.66
40	1039.69	1092.13	1092.13
45	925.82	972.62	972.62
50	801.19	841.83	841.83
55	669.24	703.41	703.41
60	534.30	561.90	561.90
65	401.34	422.58	422.58
70	275.65	291.13	291.13
75	162.45	173.45	174.05
80	66.77	76.85	119.33
85	18.33	36.89	120.41
90	67.26	77.32	104.84
95	99.15	108.76	108.76
100	111.14	120.87	143.16
105	106.31	115.97	122.58
110	89.06	98.66	98.66
115	64.45	74.63	74.63
120	37.60	50.48	52.14
125	13.60	34.56	50.00
130	9.57	33.03	50.40
135	20.00	37.83	41.77
140	23.27	39.84	40.87
145	20.14	37.91	57.61
150	17.99	36.70	63.84
155	28.77	43.62	53.22
160	48.36	59.74	59.74
165	70.22	80.17	80.17
170	90.90	100.50	100.50
175	108.03	117.72	117.72

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.

23 Oct 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	119.90	129.76	137.42
185	125.39	135.36	159.39
190	124.00	133.95	152.93
195	115.87	125.66	127.28
200	101.73	111.35	111.35
205	82.94	92.59	92.59
210	61.46	71.80	71.80
215	39.99	52.48	53.08
220	22.87	39.58	60.30
225	17.79	36.60	67.17
230	21.91	38.98	51.83
235	22.88	39.59	39.59
240	16.53	35.94	51.01
245	6.19	32.13	61.15
250	22.47	39.33	54.25
255	48.29	59.67	59.68
260	74.84	84.65	84.65
265	97.13	106.73	106.73
270	110.00	119.71	138.06
275	108.57	118.27	130.92
280	88.88	98.49	100.84
285	48.79	60.12	112.89
290	22.13	39.12	120.04
295	102.59	112.22	129.66
300	205.91	218.48	218.48
305	324.71	342.40	342.40
310	453.95	477.69	477.69
315	588.33	618.55	618.55
320	722.64	759.42	759.42
325	852.13	895.29	895.29
330	972.83	1021.95	1021.95
335	1081.62	1136.14	1136.14
340	1176.31	1235.53	1235.53
345	1255.50	1318.65	1318.65
350	1318.43	1384.71	1384.71
355	1364.79	1433.38	1433.38