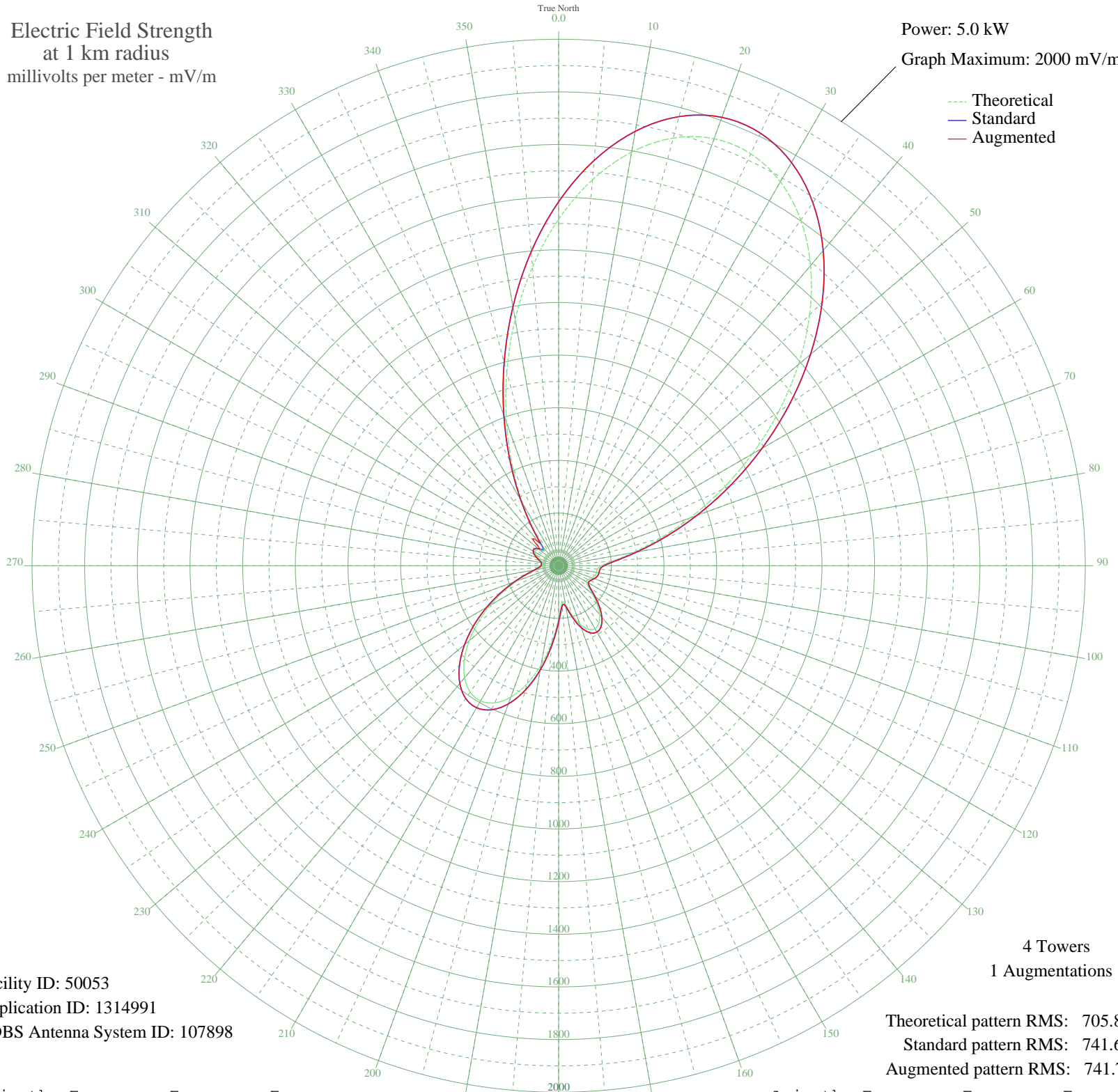


WNAM NEENAH-MENASHA, WI BP-20090220ADF 1280 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 50053  
Application ID: 1314991  
CDBS Antenna System ID: 107898

4 Towers  
1 Augmentations

Theoretical pattern RMS: 705.86  
Standard pattern RMS: 741.60  
Augmented pattern RMS: 741.72

Azimuth	Etheo	Estd	Eaug
0	1316.68	1382.75	1382.75
5	1471.53	1545.32	1545.32
10	1595.59	1675.56	1675.56
15	1681.94	1766.22	1766.22
20	1726.14	1812.63	1812.63
25	1726.55	1813.06	1813.06
30	1684.29	1768.69	1768.69
35	1603.01	1683.35	1683.35
40	1488.42	1563.05	1563.05
45	1347.69	1415.31	1415.31
50	1188.81	1248.51	1248.51
55	1020.01	1071.32	1071.32
60	849.29	892.13	892.13
65	684.09	718.75	718.75
70	531.12	558.26	558.26
75	396.51	417.13	417.13
80	286.26	301.67	301.67
85	206.66	218.51	218.51
90	162.31	172.35	172.35
95	147.77	157.27	157.27
100	146.09	155.52	155.52
105	143.16	152.49	152.49
110	134.60	143.65	143.65
115	124.16	132.87	132.87
120	121.80	130.44	130.44
125	136.98	146.10	146.10
130	168.32	178.60	178.60
135	206.39	218.23	218.23
140	241.67	255.05	255.05
145	266.69	281.20	281.20
150	275.94	290.87	290.87
155	266.06	280.54	280.54
160	236.59	249.75	249.75
165	191.98	203.20	203.20
170	148.14	157.65	157.65
175	144.11	153.47	153.47

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	201.59	213.22	213.22
185	289.42	304.97	304.97
190	381.80	401.71	401.71
195	465.19	489.12	489.12
200	531.19	558.34	558.34
205	574.53	603.80	603.80
210	592.67	622.83	622.83
215	585.57	615.38	615.38
220	555.44	583.78	583.78
225	506.28	532.22	532.22
230	443.31	466.18	466.18
235	372.37	391.83	391.83
240	299.39	315.40	315.40
245	229.89	242.75	242.75
250	168.74	179.02	179.02
255	119.89	128.47	128.47
260	86.07	93.95	93.95
265	67.29	75.17	75.17
270	59.32	67.37	67.37
275	57.05	65.17	65.17
280	59.29	67.34	67.34
285	67.33	75.21	75.21
290	80.23	88.07	88.07
295	93.97	101.96	101.96
300	103.45	111.62	111.62
305	104.04	112.22	112.22
310	93.37	101.35	101.35
315	78.00	85.83	133.90
320	91.41	99.35	112.31
325	160.79	170.78	170.78
330	271.72	286.46	286.46
335	413.28	434.70	434.70
340	578.73	608.21	608.21
345	760.90	799.36	799.36
350	951.21	999.10	999.10
355	1139.90	1197.18	1197.18