

WRCA WATERTOWN, MA BMML-20090202CEX 1330 kHz

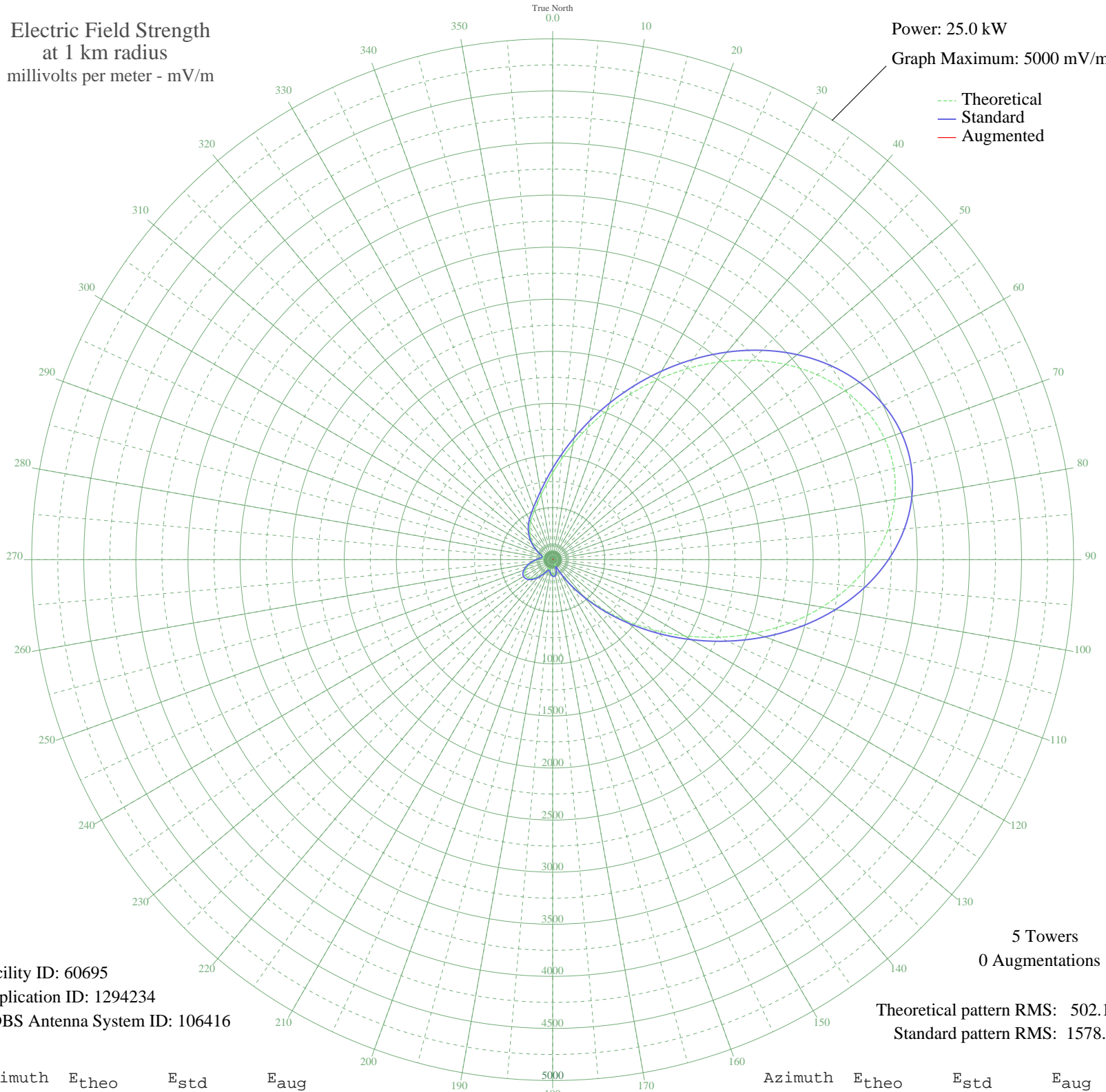
Daytime

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

Power: 25.0 kW

Graph Maximum: 5000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 60695
Application ID: 1294234
CDBS Antenna System ID: 106416

5 Towers
0 Augmentations

Theoretical pattern RMS: 502.10
Standard pattern RMS: 1578.10

Azimuth	E _{theo}	E _{std}	E _{aug}
0	833.17	876.40	
5	968.62	1018.41	
10	1129.49	1187.12	
15	1315.19	1381.94	
20	1523.41	1600.44	
25	1750.06	1838.31	
30	1989.37	2089.50	
35	2234.15	2346.45	
40	2476.16	2600.49	
45	2706.53	2842.34	
50	2916.28	3062.54	
55	3096.79	3252.05	
60	3240.21	3402.62	
65	3339.90	3507.29	
70	3390.74	3560.66	
75	3389.40	3559.25	
80	3334.50	3501.62	
85	3226.78	3388.52	
90	3069.07	3222.95	
95	2866.29	3010.06	
100	2625.22	2756.98	
105	2354.28	2472.55	
110	2063.09	2166.88	
115	1761.96	1850.80	
120	1461.36	1535.32	
125	1171.25	1230.93	
130	900.55	947.03	
135	656.58	691.40	
140	444.79	469.97	
145	268.64	286.92	
150	130.64	146.88	
155	45.14	70.73	
160	72.17	92.19	
165	114.73	131.41	
170	138.91	155.02	
175	146.80	162.83	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	142.43	158.50	
185	129.65	145.91	
190	112.18	128.96	
195	95.16	112.87	
200	87.61	105.92	
205	99.27	116.71	
210	129.14	145.40	
215	168.57	184.62	
220	210.03	226.69	
225	247.92	265.55	
230	277.91	296.49	
235	296.85	316.09	
240	302.91	322.35	
245	295.74	314.93	
250	276.56	295.10	
255	247.93	265.57	
260	213.35	230.09	
265	176.76	192.88	
270	141.90	157.97	
275	112.12	128.90	
280	91.10	109.12	
285	84.34	102.95	
290	96.34	113.97	
295	124.69	141.05	
300	163.51	179.53	
305	207.88	224.50	
310	254.08	271.90	
315	299.38	318.71	
320	342.22	363.15	
325	382.42	404.96	
330	421.31	445.48	
335	461.67	487.59	
340	507.41	535.36	
345	563.06	593.54	
350	633.25	666.98	
355	722.15	760.08	

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