

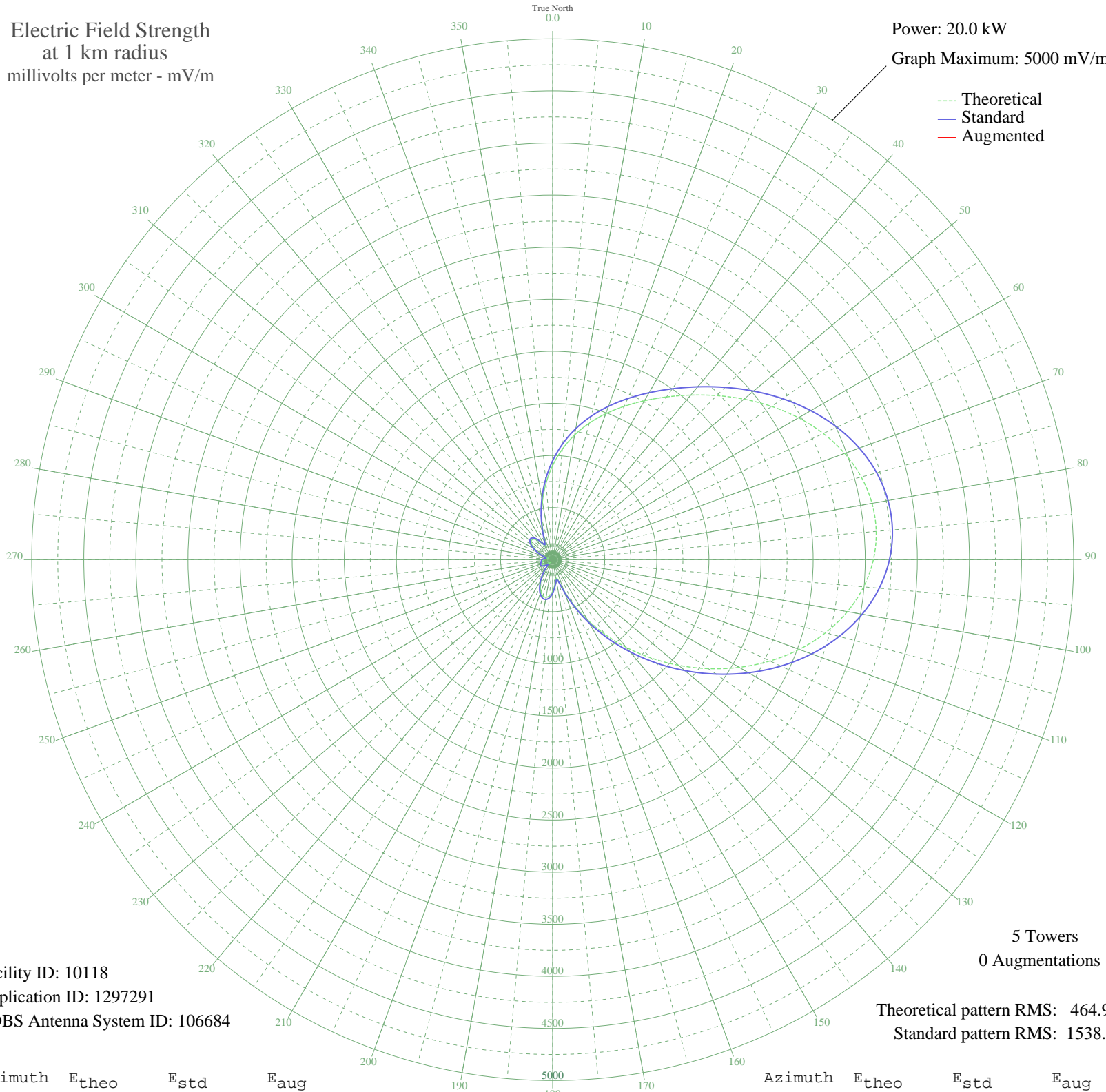
# WUNR BROOKLINE, MA BMML-20090211ADN 1600 kHz

Daytime

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

Power: 20.0 kW  
Graph Maximum: 5000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 10118  
Application ID: 1297291  
CDBS Antenna System ID: 106684

5 Towers  
0 Augmentations

Theoretical pattern RMS: 464.90  
Standard pattern RMS: 1538.80

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	903.15	949.47	
5	1064.05	1118.24	
10	1215.01	1276.62	
15	1356.39	1424.99	
20	1491.22	1566.48	
25	1624.39	1706.25	
30	1761.37	1850.03	
35	1906.61	2002.49	
40	2062.18	2165.79	
45	2226.97	2338.79	
50	2396.85	2517.13	
55	2565.31	2693.98	
60	2724.48	2861.08	
65	2866.11	3009.78	
70	2982.34	3131.81	
75	3066.32	3219.98	
80	3112.55	3268.51	
85	3117.20	3273.40	
90	3078.34	3232.60	
95	2996.02	3146.17	
100	2872.34	3016.32	
105	2711.33	2847.29	
110	2518.72	2645.08	
115	2301.46	2416.99	
120	2067.14	2171.01	
125	1823.33	1915.07	
130	1576.92	1656.43	
135	1333.74	1401.22	
140	1098.39	1154.26	
145	874.52	919.45	
150	665.55	700.41	
155	475.96	501.96	
160	314.42	333.47	
165	203.76	219.05	
170	186.09	200.96	
175	240.37	256.72	

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	302.89	321.49	
185	347.50	367.89	
190	366.81	388.00	
195	359.78	380.68	
200	328.65	348.27	
205	277.92	295.57	
210	213.72	229.27	
215	143.42	157.74	
220	75.76	92.38	
225	31.80	57.62	
230	56.03	75.27	
235	88.06	103.71	
240	106.61	121.39	
245	111.88	126.51	
250	108.28	123.01	
255	101.88	116.83	
260	97.25	112.39	
265	93.85	109.16	
270	86.67	102.41	
275	70.75	87.88	
280	46.78	67.96	
285	40.61	63.43	
290	81.32	97.44	
295	137.88	152.20	
300	194.14	209.18	
305	240.55	256.90	
310	269.20	286.54	
315	274.10	291.61	
320	252.27	269.01	
325	206.43	221.78	
330	155.01	169.40	
335	159.16	173.59	
340	255.96	272.83	
345	400.52	423.16	
350	564.55	594.63	
355	734.86	773.03	