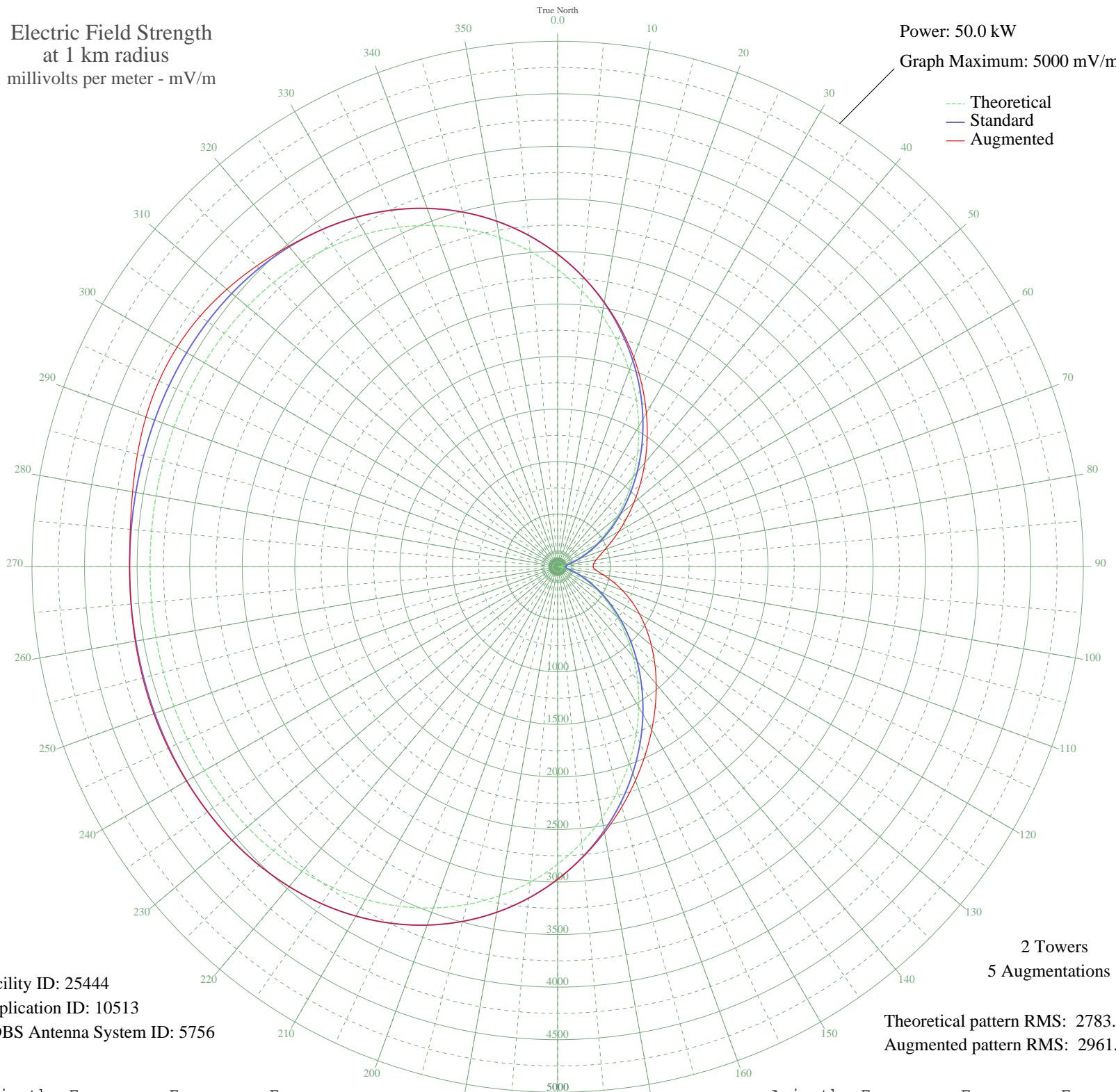


**WBZ BOSTON, MA BL-19790525AI 1030 kHz**

Unlimited Time

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

Power: 50.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 25444  
Application ID: 10513  
CDBS Antenna System ID: 5756

Theoretical pattern RMS: 2783.99  
Augmented pattern RMS: 2961.07

Azimuth	Etheo	Estd	Eaug
0	2831.55	2974.05	2974.05
5	2635.24	2768.00	2769.59
10	2427.23	2549.67	2556.37
15	2210.56	2322.27	2337.96
20	1988.56	2089.31	2118.03
25	1764.74	1854.47	1900.19
30	1542.65	1621.48	1687.78
35	1325.75	1394.02	1483.78
40	1117.34	1175.55	1290.60
45	920.44	969.31	1110.00
50	737.78	778.22	944.77
55	571.70	604.86	798.01
60	424.22	451.58	671.07
65	296.97	320.54	564.85
70	191.26	214.11	479.71
75	108.09	135.63	415.42
80	48.20	89.85	371.09
85	12.07	75.32	345.39
90	0.00	74.25	337.00
95	12.07	75.32	365.58
100	48.20	89.85	439.78
105	108.09	135.63	540.01
110	191.26	214.11	653.34
115	296.97	320.54	773.61
120	424.22	451.58	898.58
125	571.70	604.86	1028.23
130	737.78	778.22	1163.78
135	920.44	969.31	1307.00
140	1117.34	1175.55	1458.57
145	1325.75	1394.02	1619.28
150	1542.65	1621.48	1790.45
155	1764.74	1854.47	1972.34
160	1988.56	2089.31	2163.98
165	2210.56	2322.27	2363.28
170	2427.23	2549.67	2567.25
175	2635.24	2768.00	2772.19

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	2831.55	2974.05	2974.05
185	3013.51	3165.06	3165.06
190	3179.00	3338.78	3338.78
195	3326.46	3493.58	3493.58
200	3454.98	3628.49	3628.49
205	3564.28	3743.23	3743.23
210	3654.69	3838.14	3838.14
215	3727.12	3914.18	3914.18
220	3782.97	3972.81	3972.81
225	3824.04	4015.93	4015.93
230	3852.41	4045.72	4045.72
235	3870.34	4064.53	4064.61
240	3880.11	4074.79	4077.25
245	3883.96	4078.83	4085.44
250	3883.97	4078.84	4088.38
255	3881.94	4076.72	4085.90
260	3879.39	4074.03	4079.82
265	3877.40	4071.94	4073.71
270	3876.66	4071.17	4071.17
275	3877.40	4071.94	4080.51
280	3879.39	4074.03	4105.49
285	3881.94	4076.72	4137.92
290	3883.97	4078.84	4167.16
295	3883.96	4078.83	4183.21
300	3880.11	4074.79	4179.27
305	3870.34	4064.53	4153.16
310	3852.41	4045.72	4107.38
315	3824.04	4015.93	4047.83
320	3782.97	3972.81	3981.59
325	3727.12	3914.18	3914.17
330	3654.68	3838.14	3838.14
335	3564.28	3743.23	3743.23
340	3454.98	3628.49	3628.49
345	3326.46	3493.58	3493.58
350	3179.00	3338.77	3338.77
355	3013.51	3165.06	3165.06