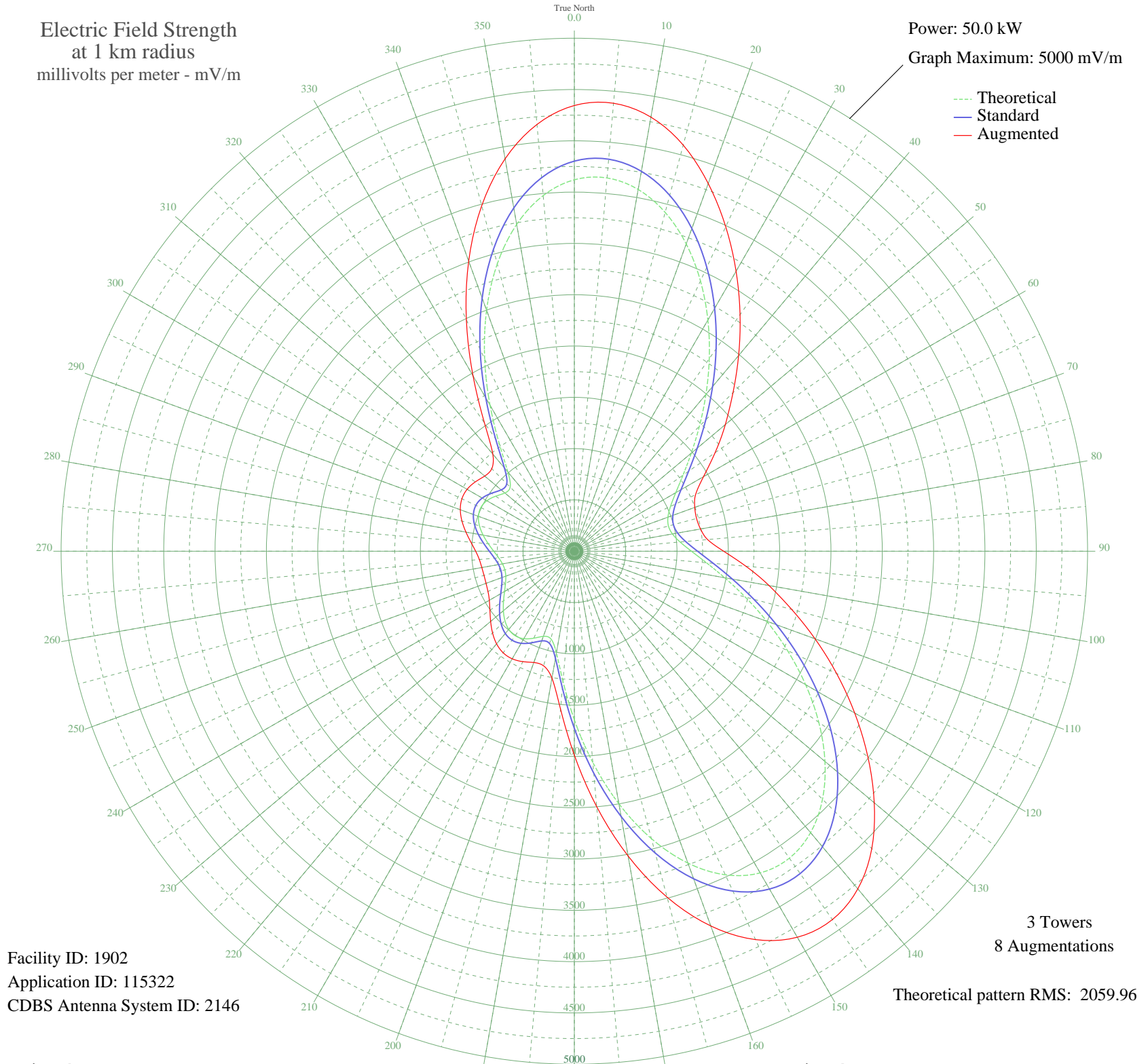


# WRKO BOSTON, MA BL-19880712AH 680 kHz

Daytime

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

Power: 50.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 1902  
Application ID: 115322  
CDBS Antenna System ID: 2146

3 Towers  
8 Augmentations  
Theoretical pattern RMS: 2059.96

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	3620.41	3802.16	4344.27
5	3652.13	3835.46	4382.81
10	3580.44	3760.19	4296.16
15	3418.97	3590.69	4098.15
20	3187.12	3347.30	3813.86
25	2907.20	3053.46	3489.62
30	2601.83	2732.93	3151.22
35	2291.74	2407.47	2814.62
40	1994.35	2095.38	2489.68
45	1723.04	1810.71	2186.05
50	1487.11	1563.23	1920.44
55	1292.18	1358.82	1673.63
60	1140.92	1200.26	1452.92
65	1033.83	1088.06	1302.86
70	970.23	1021.45	1248.16
75	949.17	999.40	1232.76
80	970.23	1021.45	1248.16
85	1033.83	1088.06	1303.03
90	1140.92	1200.26	1454.72
95	1292.18	1358.82	1677.67
100	1487.10	1563.22	1926.21
105	1723.04	1810.71	2192.43
110	1994.35	2095.38	2495.39
115	2291.74	2407.47	2818.82
120	2601.83	2732.93	3153.66
125	2907.20	3053.46	3490.58
130	3187.12	3347.30	3813.99
135	3418.97	3590.69	4098.15
140	3580.44	3760.19	4296.16
145	3652.13	3835.46	4382.81
150	3620.42	3802.16	4344.29
155	3479.82	3654.56	4176.69
160	3234.71	3397.25	3886.76
165	2899.84	3045.74	3490.93
170	2499.74	2625.78	3016.09
175	2067.31	2171.94	2499.06

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1642.46	1726.18	1987.37
185	1271.79	1337.45	1544.35
190	1006.71	1059.65	1255.22
195	883.92	931.08	1156.26
200	882.97	930.09	1154.35
205	935.22	984.78	1187.27
210	984.34	1036.22	1210.68
215	1005.42	1058.30	1208.60
220	994.19	1046.54	1178.41
225	956.46	1007.03	1126.63
230	902.13	950.14	1064.44
235	841.87	887.08	1004.08
240	785.26	827.86	956.33
245	739.83	780.37	928.48
250	710.69	749.91	915.22
255	700.68	739.46	910.89
260	710.69	749.91	915.22
265	739.83	780.37	929.05
270	785.26	827.86	961.23
275	841.87	887.08	1011.43
280	902.13	950.14	1072.20
285	956.46	1007.03	1133.07
290	994.19	1046.54	1182.18
295	1005.42	1058.30	1208.70
300	984.34	1036.22	1206.36
305	935.22	984.78	1177.95
310	882.97	930.09	1139.85
315	883.92	931.08	1137.55
320	1006.71	1059.65	1235.16
325	1271.79	1337.45	1526.89
330	1642.46	1726.18	1973.87
335	2067.31	2171.94	2489.12
340	2499.74	2625.78	3009.07
345	2899.84	3045.74	3486.27
350	3234.71	3397.25	3884.03
355	3479.82	3654.56	4175.53

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission