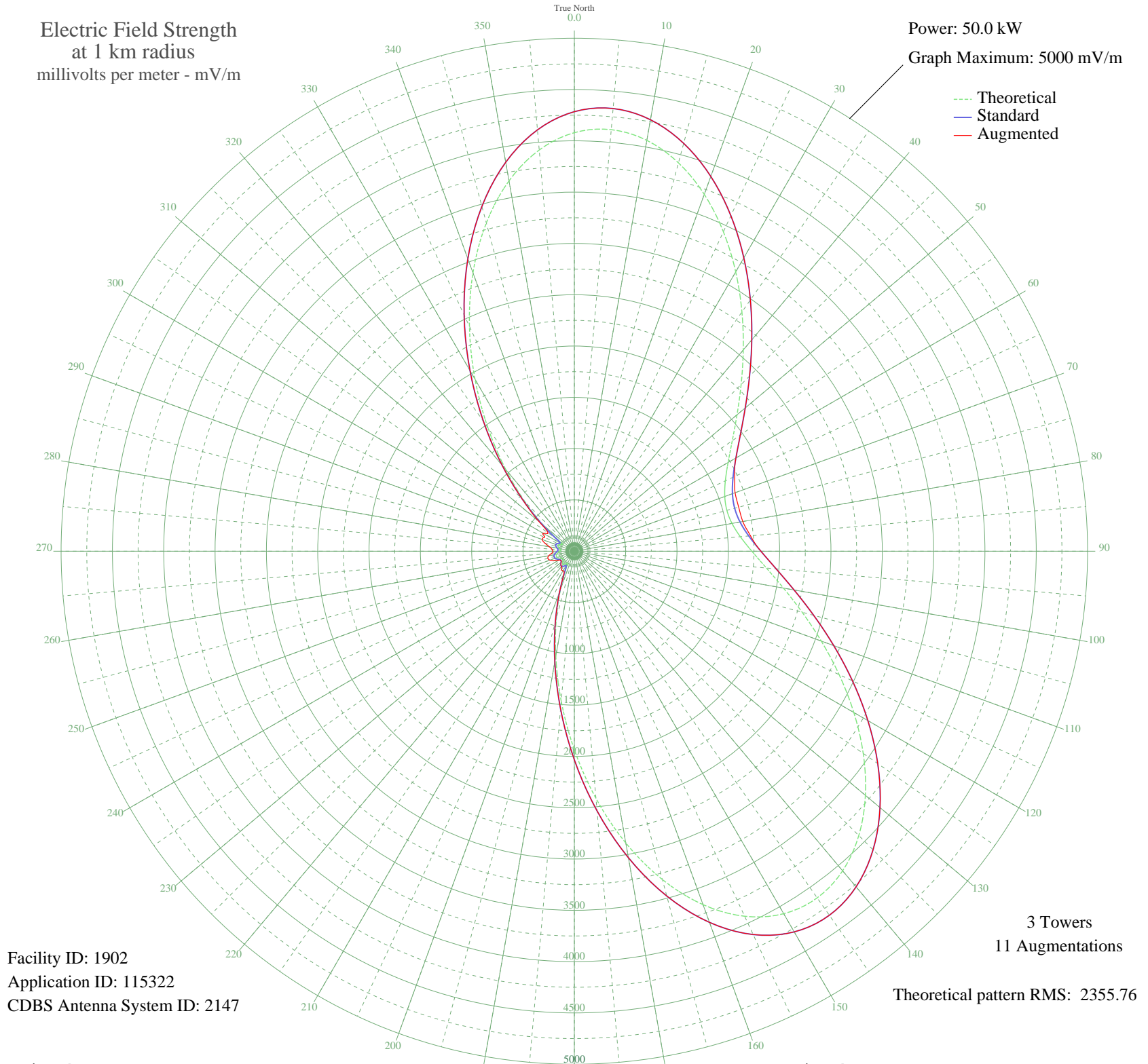


WRKO BOSTON, MA BL-19880712AH 680 kHz

Nighttime

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: 2147

3 Towers
11 Augmentations
Theoretical pattern RMS: 2355.76

Azimuth	E _{theo}	E _{std}	E _{aug}
0	4079.44	4284.05	4284.05
5	4124.39	4331.25	4331.25
10	4066.29	4270.25	4270.25
15	3918.88	4115.49	4115.49
20	3701.36	3887.14	3887.14
25	3435.68	3608.23	3608.23
30	3143.98	3302.01	3302.01
35	2846.48	2989.73	2989.73
40	2560.13	2689.16	2689.16
45	2297.90	2413.94	2413.94
50	2068.80	2173.51	2173.51
55	1878.39	1973.71	1973.71
60	1729.53	1817.52	1817.52
65	1623.26	1706.04	1722.71
70	1559.67	1639.34	1666.65
75	1538.52	1617.15	1657.62
80	1559.67	1639.34	1666.65
85	1623.26	1706.04	1722.71
90	1729.53	1817.52	1817.52
95	1878.39	1973.70	1973.70
100	2068.80	2173.51	2173.51
105	2297.90	2413.93	2413.93
110	2560.13	2689.16	2689.16
115	2846.48	2989.73	2989.73
120	3143.97	3302.01	3302.01
125	3435.68	3608.23	3608.23
130	3701.36	3887.14	3887.14
135	3918.88	4115.49	4115.49
140	4066.29	4270.25	4270.25
145	4124.39	4331.25	4331.25
150	4079.44	4284.05	4284.05
155	3925.43	4122.37	4122.37
160	3665.59	3849.58	3849.58
165	3312.67	3479.10	3479.10
170	2887.86	3033.17	3033.17
175	2418.49	2540.50	2540.50

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E _{theo}	E _{std}	E _{aug}
180	1934.83	2032.93	2032.93
185	1466.73	1541.86	1541.86
190	1040.48	1095.02	1095.02
195	676.78	714.49	714.49
200	390.94	417.15	417.15
205	199.23	221.97	237.74
210	133.41	158.54	220.48
215	154.69	178.59	215.48
220	170.11	193.43	193.43
225	162.85	186.41	186.41
230	144.66	169.07	169.07
235	133.54	158.67	158.67
240	140.52	165.17	174.22
245	159.08	182.80	216.29
250	175.96	199.12	253.15
255	182.49	205.49	267.15
260	175.96	199.12	253.15
265	159.08	182.80	218.39
270	140.52	165.17	208.83
275	133.54	158.67	218.58
280	144.66	169.07	246.58
285	162.85	186.41	294.21
290	170.11	193.43	333.14
295	154.69	178.59	320.42
300	133.41	158.54	350.61
305	199.23	221.97	313.82
310	390.94	417.15	447.23
315	676.78	714.49	716.41
320	1040.48	1095.02	1095.02
325	1466.73	1541.86	1541.86
330	1934.83	2032.93	2032.93
335	2418.49	2540.50	2540.50
340	2887.86	3033.17	3033.17
345	3312.67	3479.10	3479.10
350	3665.59	3849.58	3849.58
355	3925.43	4122.37	4122.37