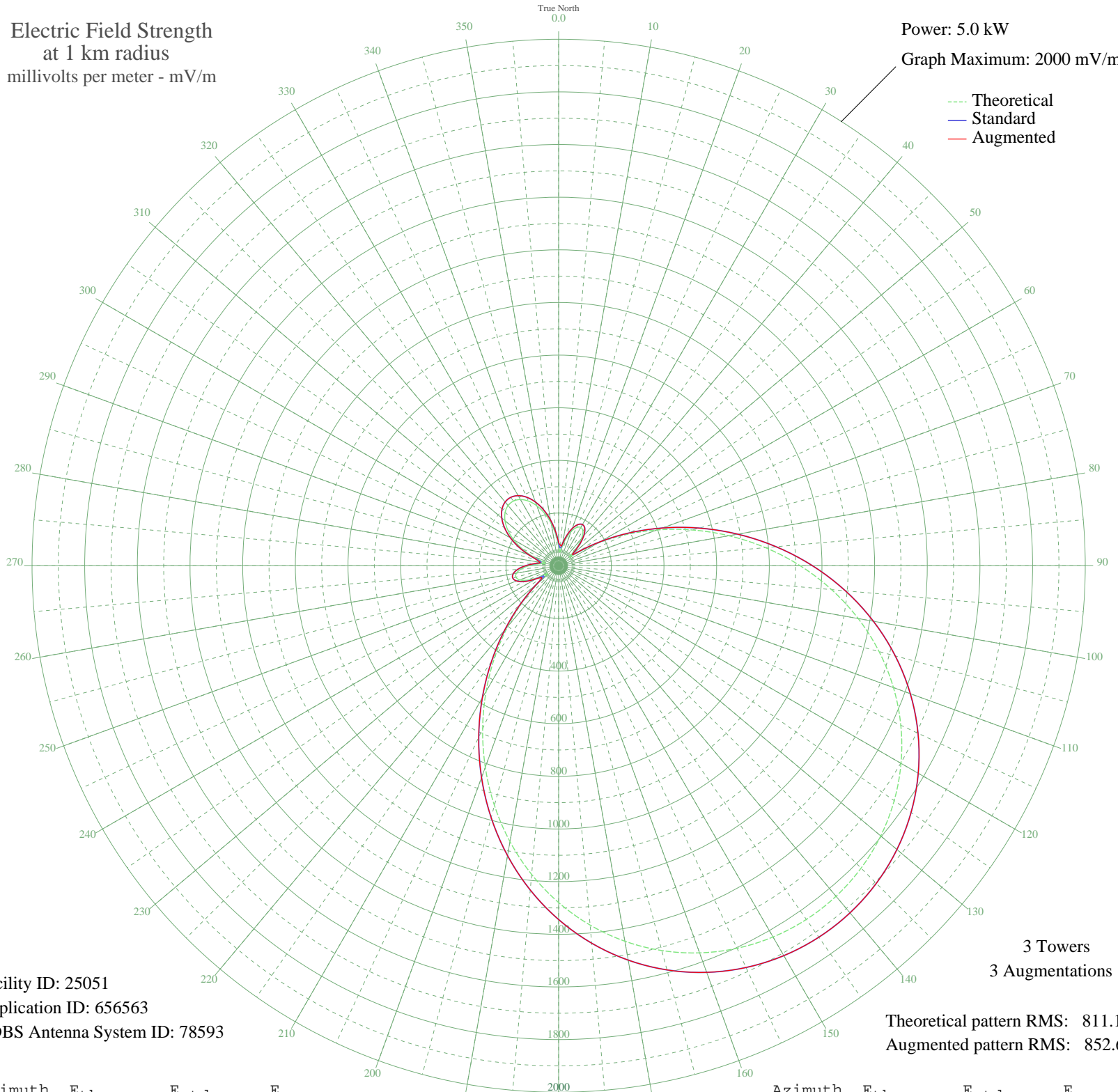


WWDJ BOSTON, MA BML-20030319AFJ 1150 kHz

Nighttime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 25051
Application ID: 656563
CDBS Antenna System ID: 78593

Theoretical pattern RMS: 811.11
Augmented pattern RMS: 852.61

Azimuth	E _{theo}	E _{std}	E _{aug}
0	73.91	86.99	87.99
5	51.91	67.18	78.59
10	71.62	84.84	84.84
15	106.62	118.65	118.65
20	138.17	150.30	150.30
25	159.82	172.34	172.34
30	168.03	180.75	180.75
35	160.50	173.04	173.04
40	136.12	148.23	148.23
45	96.16	108.34	108.34
50	54.72	69.60	69.60
55	82.46	95.08	95.08
60	169.62	182.38	182.38
65	277.30	293.81	293.81
70	397.22	418.93	418.93
75	524.92	552.56	552.56
80	656.53	690.48	690.48
85	788.46	828.81	828.81
90	917.41	964.08	964.08
95	1040.50	1093.23	1093.23
100	1155.32	1213.72	1213.72
105	1259.99	1323.58	1323.58
110	1353.12	1421.32	1421.32
115	1433.78	1505.98	1505.98
120	1501.41	1576.97	1576.97
125	1555.76	1634.02	1634.02
130	1596.76	1677.06	1677.06
135	1624.47	1706.14	1706.14
140	1638.95	1721.34	1721.34
145	1640.26	1722.72	1722.72
150	1628.42	1710.29	1710.29
155	1603.36	1683.99	1683.99
160	1565.03	1643.75	1643.75
165	1513.35	1589.50	1589.50
170	1448.36	1521.28	1521.28
175	1370.27	1439.32	1439.32

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 _{theo}	E _{std}	E _{aug}
180	1279.58	1344.13	1344.13
185	1177.12	1236.60	1236.60
190	1064.19	1118.09	1118.09
195	942.58	990.49	990.49
200	814.58	856.21	856.21
205	683.00	718.23	718.23
210	551.05	579.93	579.93
215	422.27	445.12	445.12
220	300.47	317.93	317.93
225	189.90	203.23	203.23
230	97.34	109.50	109.50
235	51.96	67.23	79.54
240	86.91	99.35	99.58
245	129.26	141.29	141.29
250	156.98	169.45	169.45
255	167.84	180.55	180.55
260	162.62	175.21	175.21
265	143.43	155.64	155.64
270	113.49	125.47	125.47
275	78.33	91.15	91.15
280	52.86	68.00	71.64
285	66.81	80.40	86.19
290	107.88	119.89	119.89
295	153.87	166.28	166.28
300	197.52	211.08	211.08
305	235.54	250.41	250.41
310	265.90	281.95	281.95
315	287.24	304.15	304.15
320	298.65	316.04	316.04
325	299.70	317.13	317.13
330	290.33	307.37	307.37
335	270.93	287.17	287.17
340	242.28	257.40	257.40
345	205.65	219.47	219.47
350	162.92	175.52	175.52
355	117.03	129.00	129.00