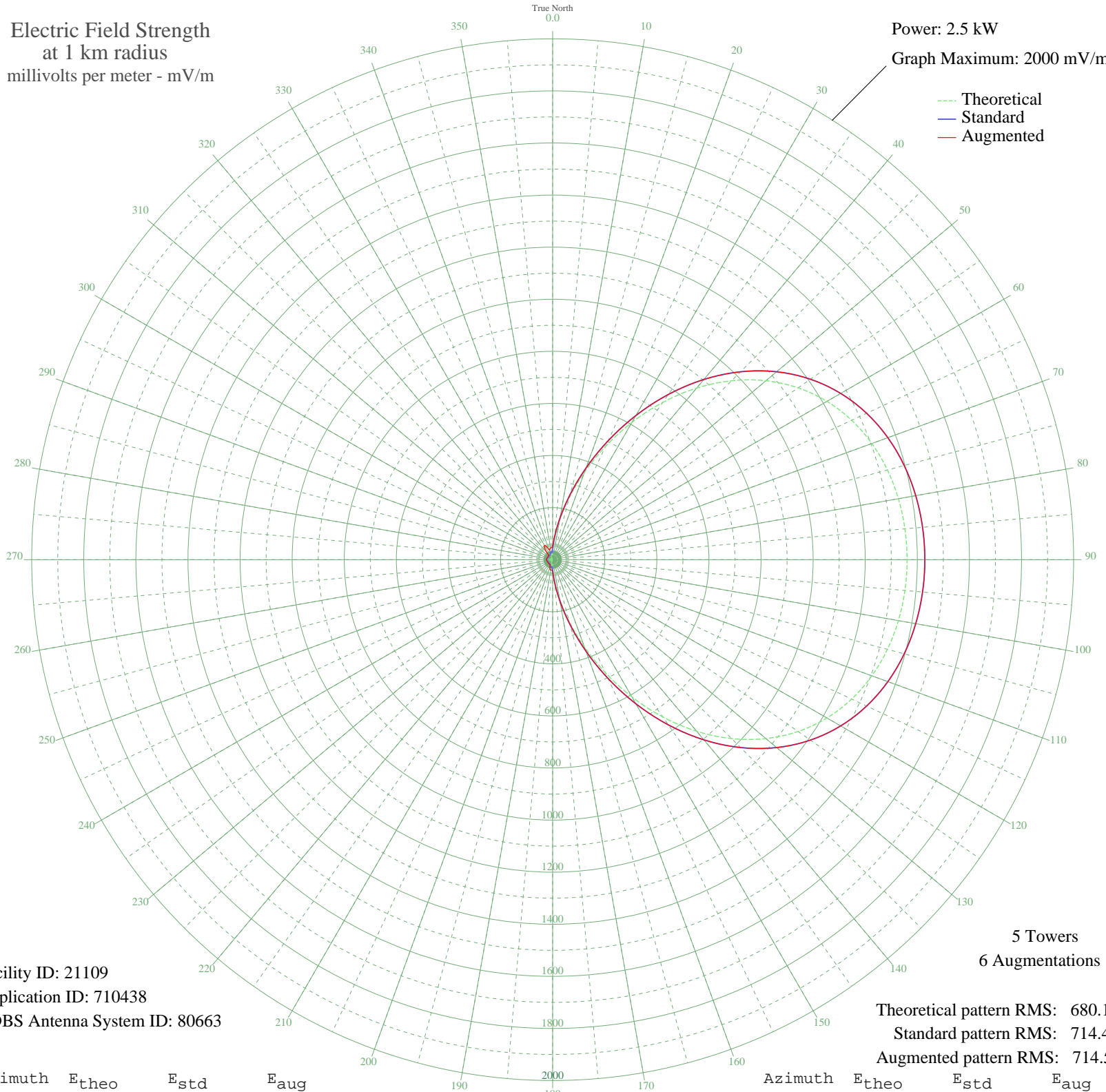


WQOM NATICK, MA BL-20031201BGH 1060 kHz

Nighttime

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

Power: 2.5 kW
Graph Maximum: 2000 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 21109
Application ID: 710438
CDBS Antenna System ID: 80663

5 Towers
6 Augmentations

Theoretical pattern RMS: 680.10
Standard pattern RMS: 714.40
Augmented pattern RMS: 714.57

Azimuth	E _{theo}	E _{std}	E _{aug}
0	33.60	40.05	53.80
5	81.25	87.40	92.78
10	152.63	161.38	163.07
15	245.34	258.30	258.65
20	355.86	374.13	374.14
25	478.96	503.27	503.27
30	608.31	639.01	639.01
35	737.33	774.43	774.43
40	860.00	903.20	903.20
45	971.57	1020.32	1020.32
50	1068.84	1122.44	1122.44
55	1150.28	1207.95	1207.95
60	1215.83	1276.76	1276.76
65	1266.52	1329.99	1329.99
70	1304.10	1369.43	1369.43
75	1330.56	1397.22	1397.22
80	1347.86	1415.38	1415.38
85	1357.55	1425.56	1425.56
90	1360.67	1428.83	1428.83
95	1357.55	1425.56	1425.56
100	1347.86	1415.38	1415.38
105	1330.56	1397.22	1397.22
110	1304.10	1369.43	1369.43
115	1266.52	1329.99	1329.99
120	1215.83	1276.76	1276.76
125	1150.28	1207.95	1207.95
130	1068.84	1122.44	1122.44
135	971.57	1020.32	1020.32
140	860.00	903.20	903.20
145	737.33	774.43	774.43
150	608.31	639.01	639.01
155	478.96	503.27	503.27
160	355.86	374.13	374.13
165	245.34	258.30	258.52
170	152.63	161.38	162.45
175	81.25	87.40	90.84

Azimuth	E _{theo}	E _{std}	E _{aug}
180	33.60	40.05	49.21
185	17.20	26.19	39.61
190	22.51	30.30	41.30
195	22.61	30.38	38.71
200	16.75	25.86	31.48
205	8.63	21.01	23.73
210	3.16	19.25	20.40
215	6.06	20.00	20.99
220	8.03	20.75	21.40
225	7.37	20.48	20.93
230	4.74	19.60	20.83
235	1.10	19.00	21.07
240	2.72	19.17	20.99
245	6.07	20.00	20.71
250	8.69	21.04	21.05
255	10.56	21.96	21.96
260	11.76	22.63	22.63
265	12.42	23.01	23.01
270	12.63	23.14	23.14
275	12.42	23.01	23.01
280	11.76	22.63	22.68
285	10.56	21.96	22.35
290	8.69	21.04	21.96
295	6.07	20.00	21.51
300	2.72	19.17	21.11
305	1.10	19.00	21.02
310	4.74	19.60	21.31
315	7.37	20.48	21.65
320	8.03	20.75	30.14
325	6.06	20.00	53.33
330	3.16	19.25	63.00
335	8.63	21.01	54.84
340	16.75	25.86	39.84
345	22.61	30.38	42.56
350	22.50	30.30	46.46
355	17.20	26.19	45.60

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