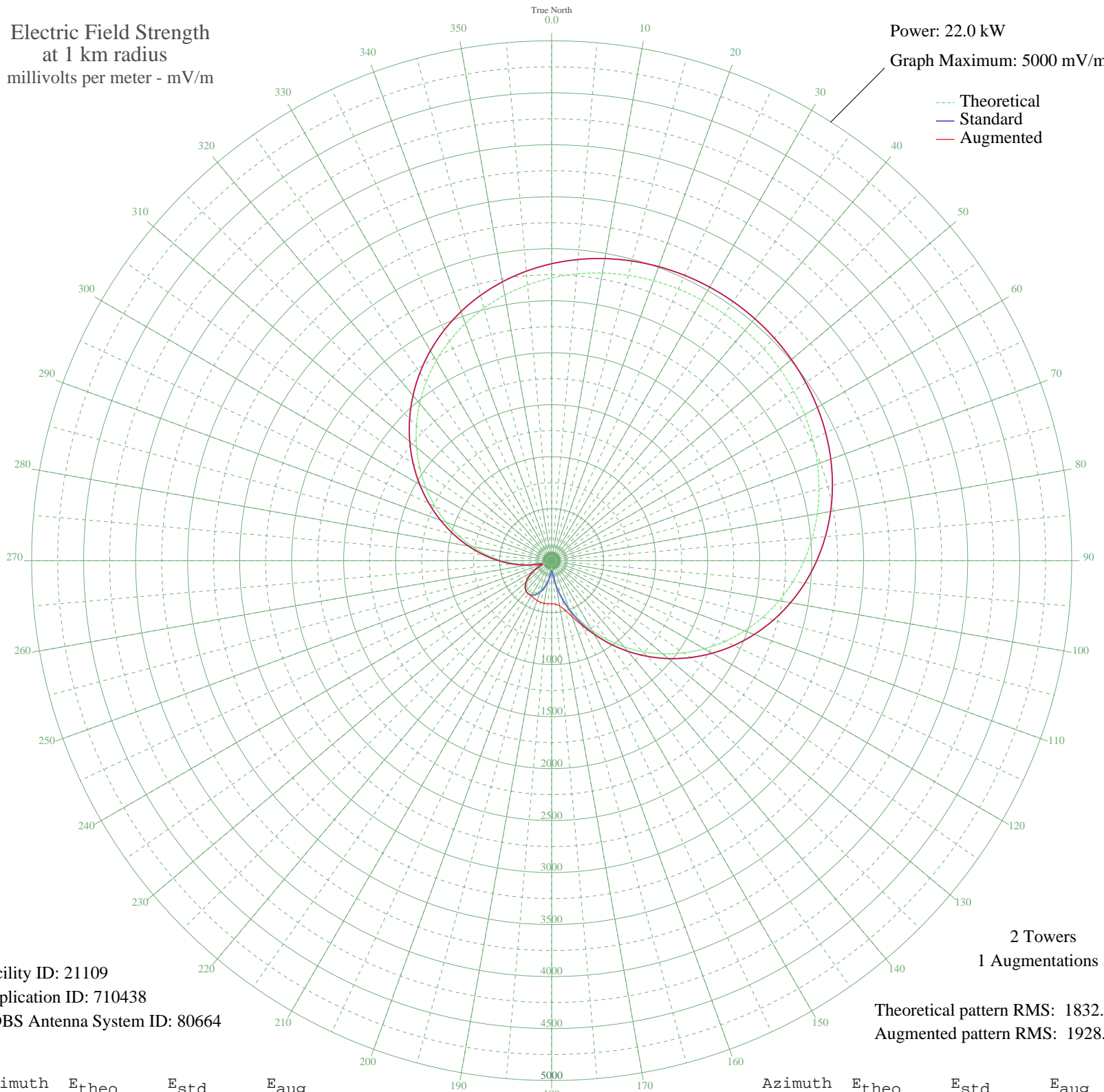


# WQOM NATICK, MA BL-20031201BGH 1060 kHz

## Critical Hours

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

Power: 22.0 kW  
Graph Maximum: 5000 mV/m



--- Theoretical  
— Standard  
— Augmented

Facility ID: 21109  
Application ID: 710438  
CDBS Antenna System ID: 80664

2 Towers  
1 Augmentations

Theoretical pattern RMS: 1832.25  
Augmented pattern RMS: 1928.97

Azimuth	Etheo	Estd	Eaug
0	2719.37	2855.97	2855.97
5	2768.48	2907.52	2907.52
10	2808.88	2949.94	2949.94
15	2841.08	2983.75	2983.75
20	2865.57	3009.45	3009.45
25	2882.74	3027.47	3027.47
30	2892.91	3038.15	3038.15
35	2896.28	3041.68	3041.68
40	2892.91	3038.15	3038.15
45	2882.74	3027.47	3027.47
50	2865.57	3009.45	3009.45
55	2841.08	2983.75	2983.75
60	2808.88	2949.94	2949.94
65	2768.48	2907.52	2907.52
70	2719.37	2855.97	2855.97
75	2661.06	2794.76	2794.76
80	2593.09	2723.41	2723.41
85	2515.11	2641.55	2641.55
90	2426.90	2548.95	2548.95
95	2328.40	2445.56	2445.56
100	2219.77	2331.54	2331.54
105	2101.40	2207.29	2207.29
110	1973.92	2073.48	2073.48
115	1838.18	1931.02	1931.02
120	1695.30	1781.08	1781.08
125	1546.59	1625.03	1625.03
130	1393.55	1464.47	1464.47
135	1237.85	1301.13	1301.13
140	1081.24	1136.89	1136.89
145	925.52	973.66	973.82
150	772.56	813.41	820.28
155	624.18	658.14	684.68
160	482.20	509.87	573.47
165	348.57	370.90	492.08
170	225.75	244.54	442.27
175	119.66	139.29	419.48

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	66.29	91.98	413.90
185	117.75	137.48	415.18
190	188.78	207.13	416.09
195	251.38	270.71	413.36
200	301.44	322.17	406.98
205	337.71	359.65	399.03
210	359.64	382.37	392.50
215	366.97	389.98	389.98
220	359.64	382.37	382.37
225	337.71	359.65	359.65
230	301.44	322.17	322.17
235	251.38	270.71	270.71
240	188.78	207.13	207.13
245	117.75	137.48	137.48
250	66.29	91.98	91.98
255	119.66	139.29	139.29
260	225.75	244.54	244.54
265	348.57	370.90	370.90
270	482.20	509.87	509.87
275	624.18	658.14	658.14
280	772.56	813.41	813.41
285	925.52	973.66	973.66
290	1081.24	1136.89	1136.89
295	1237.85	1301.13	1301.13
300	1393.55	1464.47	1464.47
305	1546.59	1625.03	1625.03
310	1695.30	1781.08	1781.08
315	1838.18	1931.02	1931.02
320	1973.92	2073.48	2073.48
325	2101.40	2207.29	2207.29
330	2219.77	2331.54	2331.54
335	2328.40	2445.56	2445.56
340	2426.90	2548.95	2548.95
345	2515.11	2641.55	2641.55
350	2593.09	2723.41	2723.41
355	2661.06	2794.76	2794.76