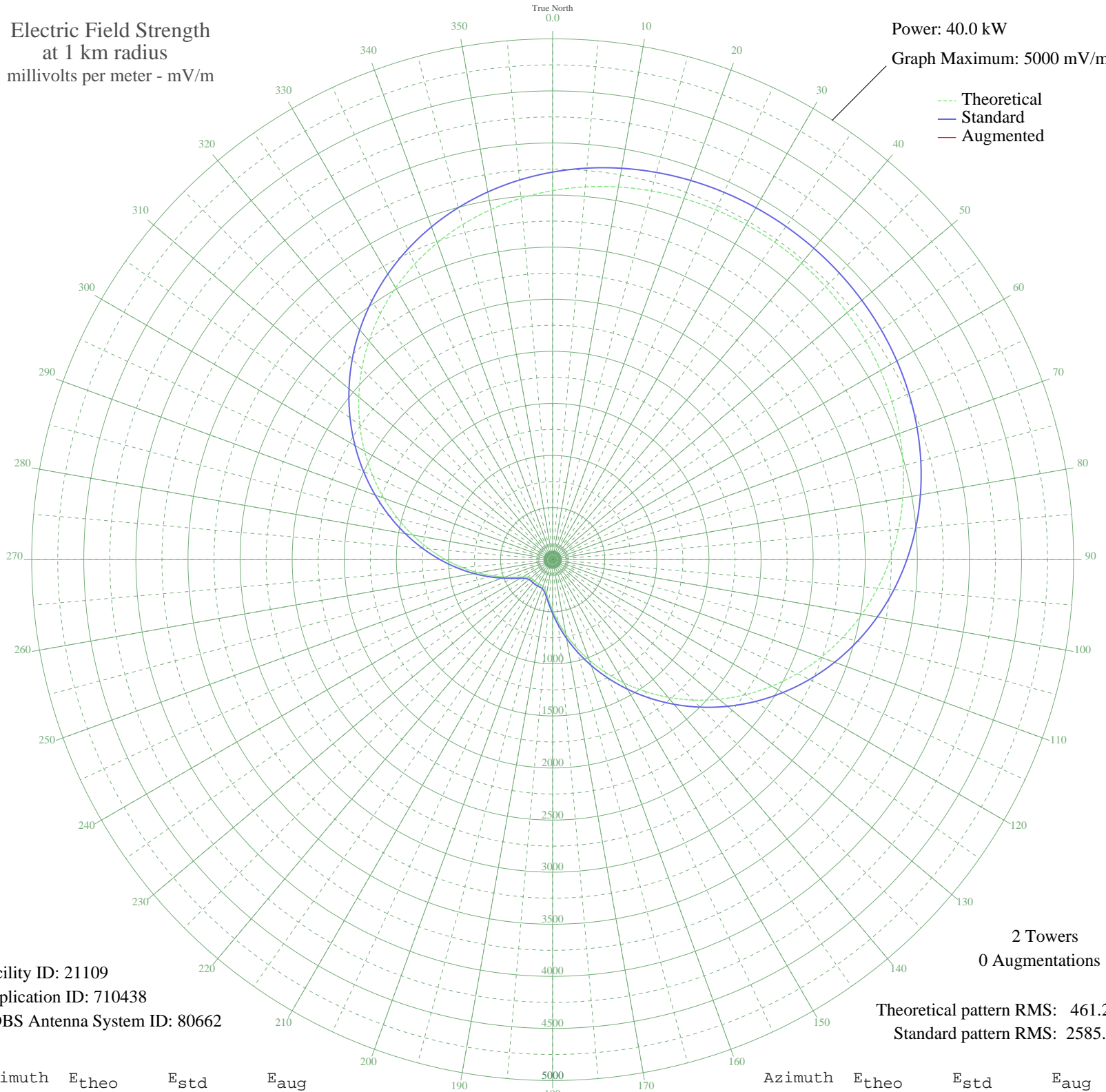


# WQOM NATICK, MA BL-20031201BGH 1060 kHz

Daytime

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

Power: 40.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 21109  
Application ID: 710438  
CDBS Antenna System ID: 80662

2 Towers  
0 Augmentations

Theoretical pattern RMS: 461.21  
Standard pattern RMS: 2585.33

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	3542.89	3720.77	
5	3592.50	3772.85	
10	3632.82	3815.17	
15	3664.58	3848.52	
20	3688.49	3873.61	
25	3705.11	3891.07	
30	3714.90	3901.35	
35	3718.14	3904.74	
40	3714.90	3901.35	
45	3705.11	3891.07	
50	3688.49	3873.61	
55	3664.58	3848.52	
60	3632.82	3815.17	
65	3592.50	3772.85	
70	3542.89	3720.77	
75	3483.22	3658.12	
80	3412.76	3584.16	
85	3330.90	3498.23	
90	3237.16	3399.82	
95	3131.26	3288.66	
100	3013.19	3164.71	
105	2883.20	3028.26	
110	2741.84	2879.88	
115	2589.99	2720.49	
120	2428.84	2551.35	
125	2259.85	2373.99	
130	2084.77	2190.26	
135	1905.57	2002.21	
140	1724.37	1812.10	
145	1543.46	1622.32	
150	1365.18	1435.34	
155	1191.93	1253.70	
160	1026.12	1079.95	
165	870.20	916.69	
170	726.67	766.57	
175	598.18	632.42	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	487.63	517.31	
185	398.16	424.54	
190	332.61	356.96	
195	291.84	315.21	
200	272.50	295.51	
205	267.14	290.06	
210	267.62	290.55	
215	268.41	291.35	
220	267.62	290.55	
225	267.14	290.06	
230	272.50	295.51	
235	291.84	315.21	
240	332.61	356.96	
245	398.16	424.54	
250	487.63	517.31	
255	598.18	632.42	
260	726.67	766.57	
265	870.20	916.69	
270	1026.12	1079.95	
275	1191.93	1253.70	
280	1365.18	1435.34	
285	1543.46	1622.32	
290	1724.37	1812.10	
295	1905.57	2002.21	
300	2084.77	2190.26	
305	2259.85	2373.99	
310	2428.84	2551.35	
315	2589.99	2720.49	
320	2741.84	2879.88	
325	2883.20	3028.26	
330	3013.19	3164.71	
335	3131.26	3288.66	
340	3237.16	3399.82	
345	3330.90	3498.23	
350	3412.76	3584.16	
355	3483.22	3658.12	

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