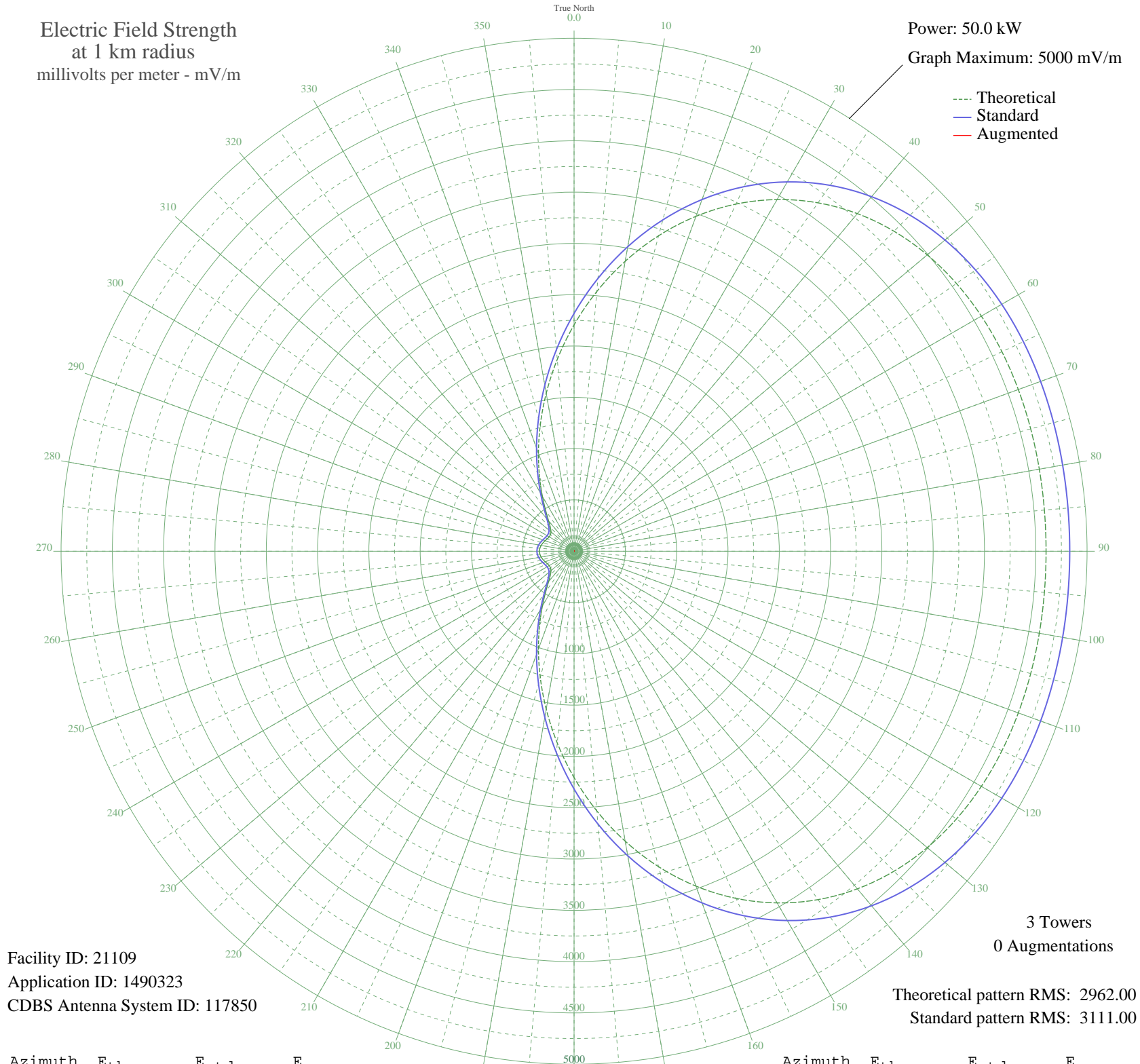


WQOM NATICK, MA BL-20111212CVV 1060 kHz

Daytime

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

Power: 50.0 kW
Graph Maximum: 5000 mV/m



Facility ID: 21109
Application ID: 1490323
CDBS Antenna System ID: 117850

Theoretical pattern RMS: 2962.00
Standard pattern RMS: 3111.00

Azimuth	E _{theo}	E _{std}	E _{aug}
0	2206.26	2317.80	
5	2540.60	2668.69	
10	2869.58	3014.00	
15	3183.39	3343.40	
20	3473.49	3647.94	
25	3733.17	3920.55	
30	3957.86	4156.43	
35	4145.32	4353.23	
40	4295.52	4510.93	
45	4410.43	4631.56	
50	4493.56	4718.84	
55	4549.56	4777.63	
60	4583.68	4813.45	
65	4601.35	4832.00	
70	4607.76	4838.73	
75	4607.55	4838.51	
80	4604.54	4835.35	
85	4601.56	4832.23	
90	4600.38	4830.98	
95	4601.56	4832.23	
100	4604.54	4835.35	
105	4607.55	4838.51	
110	4607.76	4838.73	
115	4601.35	4832.00	
120	4583.68	4813.45	
125	4549.56	4777.63	
130	4493.56	4718.84	
135	4410.43	4631.56	
140	4295.52	4510.93	
145	4145.32	4353.23	
150	3957.86	4156.43	
155	3733.17	3920.55	
160	3473.49	3647.94	
165	3183.39	3343.40	
170	2869.58	3014.00	
175	2540.60	2668.69	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	2206.26	2317.80	
185	1876.91	1972.19	
190	1562.73	1642.59	
195	1272.96	1338.73	
200	1015.36	1068.78	
205	795.67	838.83	
210	617.41	652.63	
215	481.60	511.25	
220	386.37	412.61	
225	326.53	351.02	
230	294.15	317.90	
235	280.89	304.38	
240	280.21	303.69	
245	287.65	311.27	
250	299.81	323.67	
255	313.51	337.68	
260	325.80	350.27	
265	334.24	358.93	
270	337.24	362.01	
275	334.24	358.93	
280	325.80	350.27	
285	313.51	337.68	
290	299.81	323.67	
295	287.65	311.27	
300	280.21	303.69	
305	280.89	304.38	
310	294.15	317.90	
315	326.53	351.02	
320	386.37	412.61	
325	481.60	511.25	
330	617.41	652.63	
335	795.67	838.84	
340	1015.36	1068.78	
345	1272.97	1338.73	
350	1562.73	1642.59	
355	1876.91	1972.20	

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.

13 Sep 2023

Prepared by Audio Division, Media Bureau
Federal Communications Commission