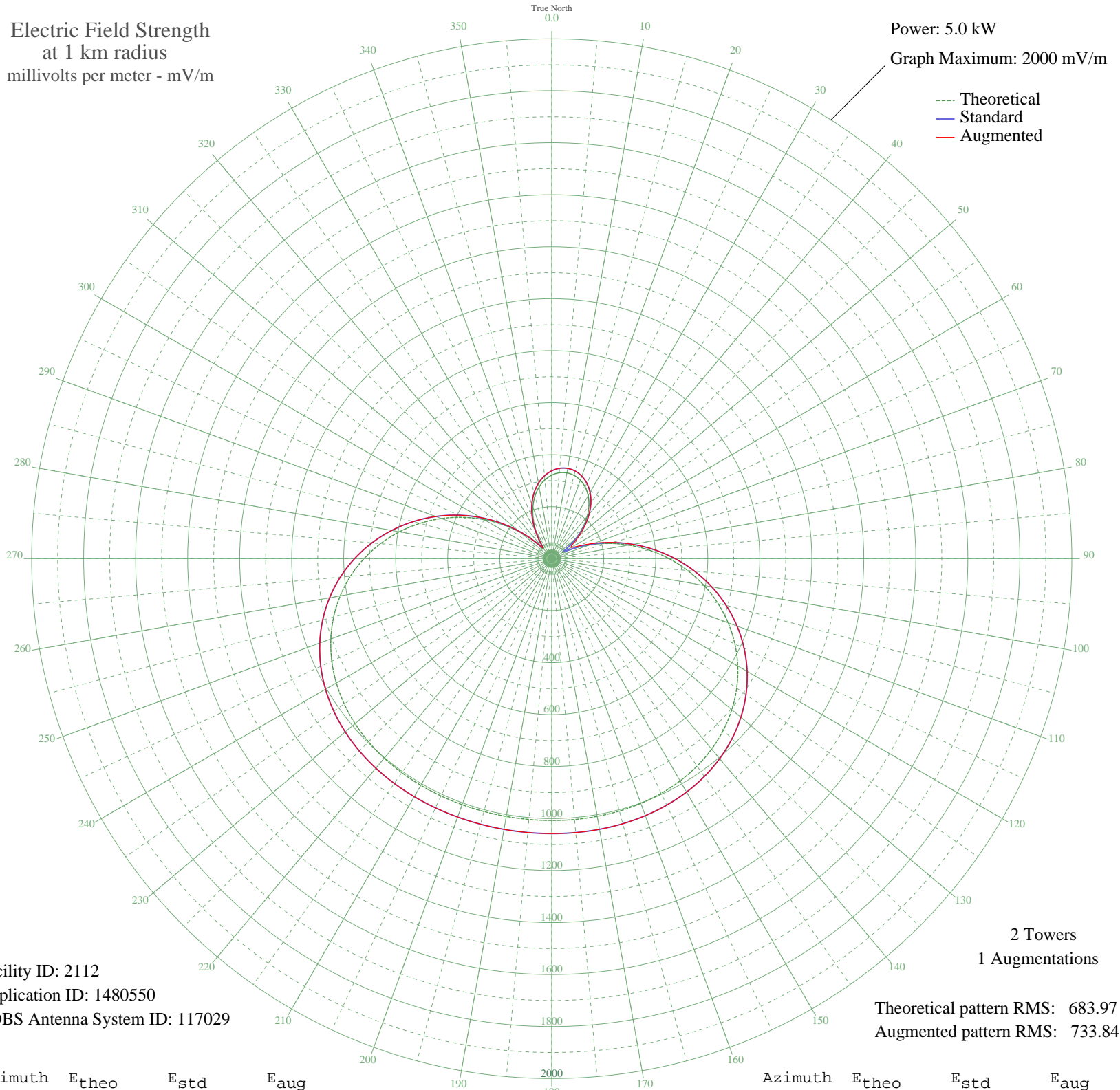


# WERC BIRMINGHAM, AL BMML-20111212CVW 960 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 2112  
Application ID: 1480550  
CDBS Antenna System ID: 117029

Theoretical pattern RMS: 683.97  
Augmented pattern RMS: 733.84

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	321.31	337.89	337.89
5	331.68	348.77	348.77
10	335.14	352.39	352.39
15	331.68	348.77	348.77
20	321.31	337.89	337.89
25	304.04	319.79	319.79
30	279.94	294.53	294.53
35	249.10	262.22	262.22
40	211.76	223.14	223.45
45	168.41	177.82	181.04
50	120.20	127.59	137.82
55	71.40	77.27	100.27
60	48.35	54.10	86.90
65	89.92	96.25	115.53
70	154.89	163.71	171.79
75	226.40	238.45	240.86
80	300.82	316.41	316.63
85	376.29	395.54	395.54
90	451.32	474.26	474.26
95	524.57	551.12	551.12
100	594.79	624.81	624.81
105	660.88	694.17	694.17
110	721.89	758.21	758.21
115	777.09	816.16	816.16
120	825.97	867.47	867.47
125	868.26	911.87	911.87
130	903.94	949.33	949.33
135	933.20	980.04	980.04
140	956.44	1004.44	1004.44
145	974.22	1023.10	1023.10
150	987.22	1036.75	1036.75
155	996.20	1046.18	1046.18
160	1001.95	1052.22	1052.22
165	1005.26	1055.69	1055.69
170	1006.85	1057.36	1057.36
175	1007.37	1057.90	1057.90

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1007.34	1057.87	1057.87
185	1007.16	1057.68	1057.68
190	1007.07	1057.59	1057.59
195	1007.16	1057.68	1057.68
200	1007.34	1057.87	1057.87
205	1007.37	1057.90	1057.90
210	1006.85	1057.36	1057.36
215	1005.26	1055.69	1055.69
220	1001.95	1052.22	1052.22
225	996.20	1046.18	1046.18
230	987.22	1036.75	1036.75
235	974.22	1023.10	1023.10
240	956.44	1004.44	1004.44
245	933.20	980.04	980.04
250	903.94	949.32	949.32
255	868.26	911.87	911.87
260	825.97	867.47	867.47
265	777.09	816.16	816.16
270	721.89	758.21	758.21
275	660.88	694.17	694.17
280	594.79	624.81	624.81
285	524.57	551.12	551.12
290	451.32	474.26	474.26
295	376.29	395.54	395.54
300	300.82	316.41	316.41
305	226.40	238.45	238.45
310	154.89	163.70	163.70
315	89.92	96.25	96.25
320	48.34	54.10	54.10
325	71.40	77.27	77.27
330	120.20	127.59	127.59
335	168.41	177.82	177.82
340	211.76	223.14	223.14
345	249.10	262.22	262.22
350	279.94	294.53	294.53
355	304.04	319.79	319.79

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.

6 Oct 2022

Prepared by Audio Division, Media Bureau  
Federal Communications Commission