

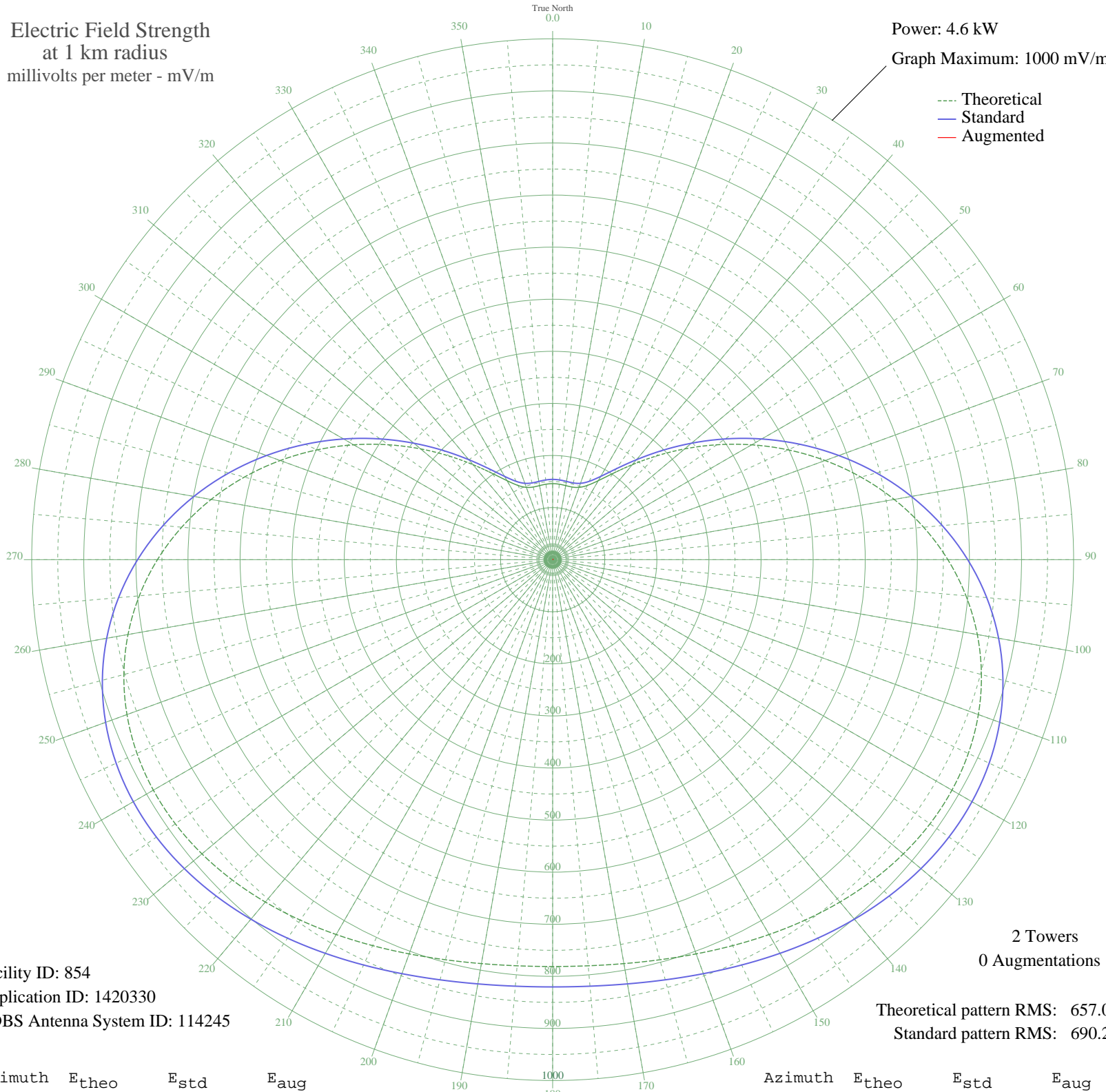
# WNGL MOBILE, AL BMML-20110301ACP 1410 kHz

Nighttime

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

Power: 4.6 kW  
Graph Maximum: 1000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 854  
Application ID: 1420330  
CDBS Antenna System ID: 114245

2 Towers  
0 Augmentations

Theoretical pattern RMS: 657.05  
Standard pattern RMS: 690.27

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	145.93	154.13	
5	145.42	153.60	
10	144.41	152.54	
15	144.36	152.49	
20	147.70	155.98	
25	157.21	165.90	
30	175.12	184.63	
35	202.28	213.05	
40	238.18	250.64	
45	281.54	296.09	
50	330.85	347.79	
55	384.52	404.09	
60	441.03	463.38	
65	498.86	524.07	
70	556.53	584.60	
75	612.62	643.47	
80	665.78	699.26	
85	714.79	750.72	
90	758.63	796.73	
95	796.46	836.45	
100	827.72	869.26	
105	852.10	894.86	
110	869.58	913.21	
115	880.40	924.57	
120	885.05	929.45	
125	884.23	928.59	
130	878.80	922.89	
135	869.72	913.36	
140	858.04	901.10	
145	844.80	887.20	
150	831.02	872.72	
155	817.62	858.66	
160	805.45	845.89	
165	795.23	835.16	
170	787.51	827.06	
175	782.72	822.02	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	781.09	820.31	
185	782.72	822.02	
190	787.51	827.06	
195	795.23	835.16	
200	805.45	845.89	
205	817.62	858.66	
210	831.02	872.72	
215	844.80	887.20	
220	858.04	901.10	
225	869.72	913.36	
230	878.80	922.89	
235	884.23	928.59	
240	885.05	929.45	
245	880.40	924.57	
250	869.57	913.21	
255	852.10	894.86	
260	827.72	869.26	
265	796.46	836.45	
270	758.63	796.73	
275	714.79	750.72	
280	665.78	699.26	
285	612.62	643.47	
290	556.53	584.60	
295	498.86	524.07	
300	441.03	463.38	
305	384.52	404.09	
310	330.85	347.79	
315	281.54	296.09	
320	238.18	250.64	
325	202.28	213.05	
330	175.12	184.63	
335	157.21	165.90	
340	147.70	155.98	
345	144.36	152.49	
350	144.41	152.54	
355	145.42	153.60	

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.

6 Oct 2022

Prepared by Audio Division, Media Bureau  
Federal Communications Commission