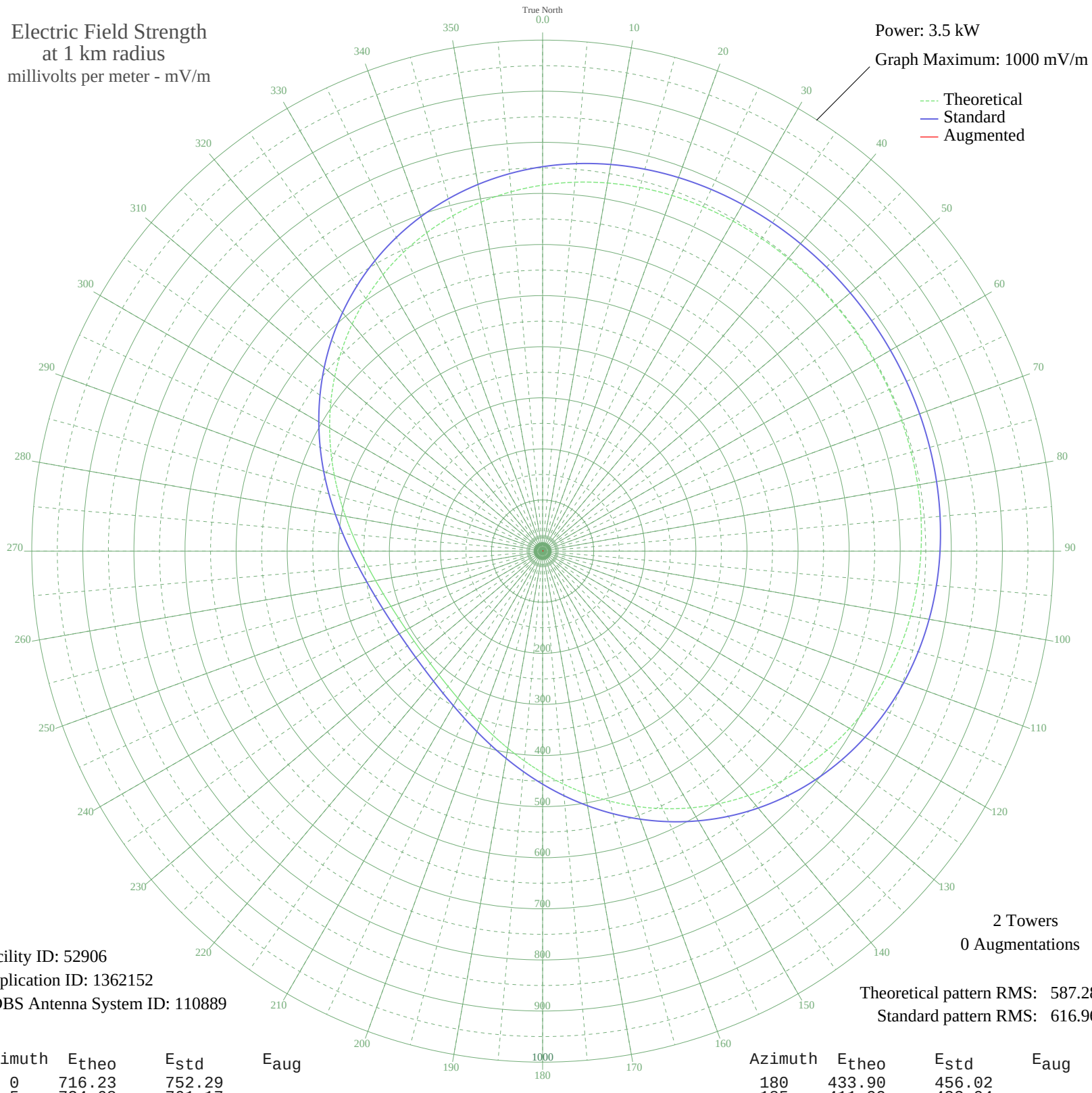
WPLX TURRELL, AR BMML-20090824AMR 1180 kHz

Critical Hours

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



Power: 3.5 kW

Graph Maximum: 1000 mV/m

Theoretical
Standard
Augmented

2 Towers
0 Augmentations

Facility ID: 52906
Application ID: 1362152
CDBS Antenna System ID: 110889

Theoretical pattern RMS: 587.28
Standard pattern RMS: 616.96

Azimuth	E_{theo}	E_{std}	E_{aug}
0	716.23	752.29	
5	724.68	761.17	
10	731.44	768.27	
15	736.70	773.79	
20	740.66	777.95	
25	743.54	780.97	
30	745.55	783.08	
35	746.89	784.48	
40	747.74	785.37	
45	748.23	785.89	
50	748.48	786.15	
55	748.56	786.23	
60	748.48	786.15	
65	748.23	785.89	
70	747.74	785.37	
75	746.89	784.48	
80	745.55	783.08	
85	743.54	780.97	
90	740.66	777.95	
95	736.70	773.79	
100	731.44	768.27	
105	724.68	761.17	
110	716.23	752.29	
115	705.93	741.48	
120	693.67	728.62	
125	679.40	713.64	
130	663.11	696.54	
135	644.87	677.40	
140	624.81	656.34	
145	603.13	633.59	
150	580.10	609.42	
155	556.03	584.17	
160	531.30	558.21	
165	506.30	531.98	
170	481.45	505.90	
175	457.18	480.44	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	433.90	456.02	
185	411.99	433.04	
190	391.79	411.84	
195	373.54	392.71	
200	357.46	375.85	
205	343.65	361.36	
210	332.14	349.30	
215	322.91	339.62	
220	315.88	332.25	
225	310.95	327.09	
230	308.04	324.04	
235	307.08	323.03	
240	308.04	324.04	
245	310.95	327.09	
250	315.88	332.25	
255	322.91	339.62	
260	332.14	349.30	
265	343.65	361.36	
270	357.46	375.85	
275	373.54	392.71	
280	391.79	411.84	
285	411.99	433.04	
290	433.90	456.02	
295	457.18	480.44	
300	481.45	505.90	
305	506.30	531.98	
310	531.30	558.21	
315	556.03	584.17	
320	580.10	609.42	
325	603.13	633.59	
330	624.81	656.34	
335	644.87	677.40	
340	663.11	696.54	
345	679.40	713.64	
350	693.67	728.62	
355	705.93	741.48	

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