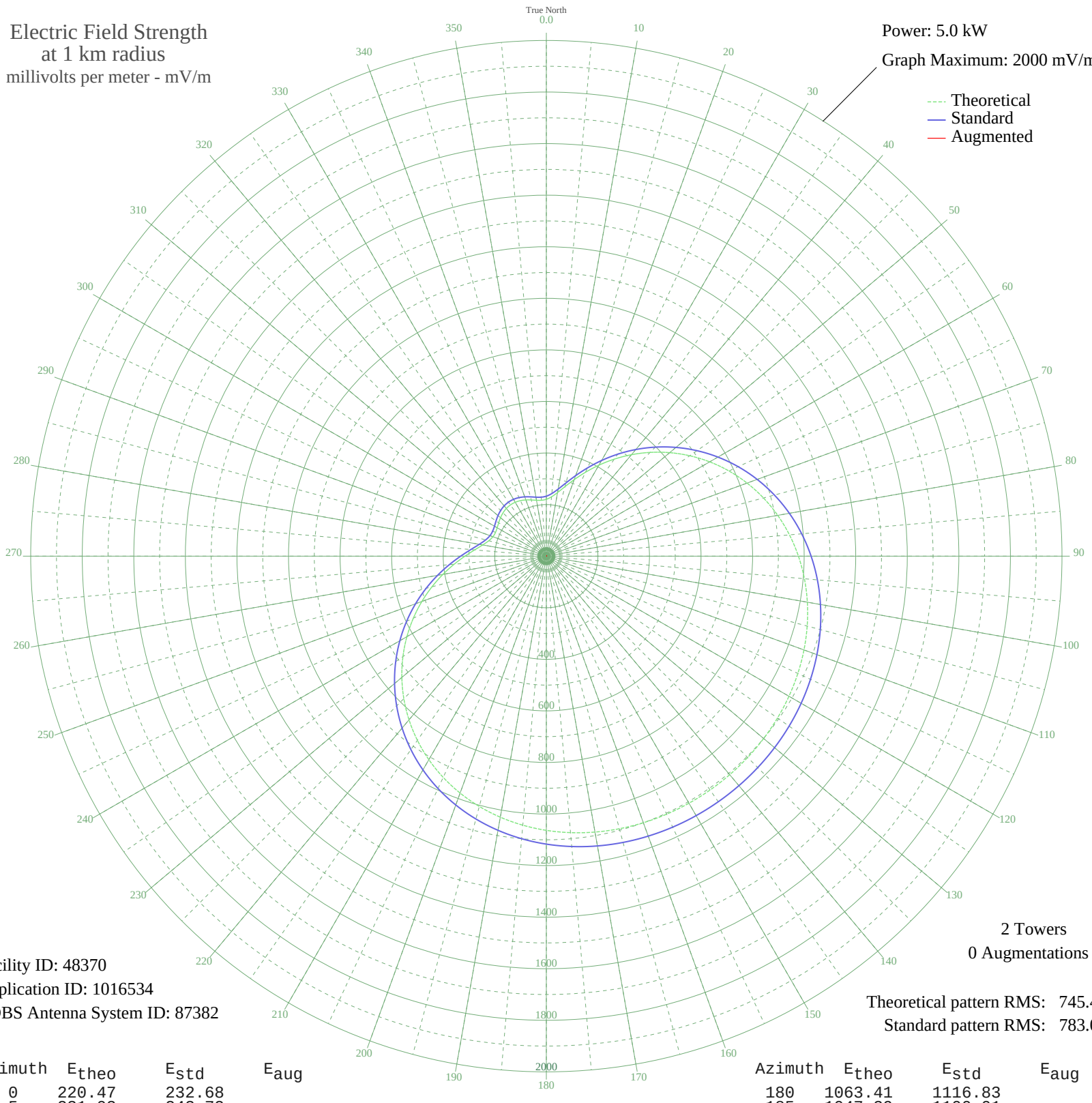
WGBR GOLDSBORO, NC BL-20040809ACG 1150 kHz

Daytime

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



Power: 5.0 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented

2 Towers
0 Augmentations

Facility ID: 48370
Application ID: 1016534
CDBS Antenna System ID: 87382

Theoretical pattern RMS: 745.45
Standard pattern RMS: 783.07

Azimuth	E_{theo}	E_{std}	E_{aug}
0	220.47	232.68	
5	231.03	243.72	
10	250.54	264.11	
15	279.07	293.96	
20	315.67	332.29	
25	358.93	377.61	
30	407.31	428.32	
35	459.33	482.87	
40	513.66	539.85	
45	569.07	597.99	
50	624.49	656.14	
55	678.94	713.28	
60	731.57	768.51	
65	781.65	821.07	
70	828.58	870.33	
75	871.92	915.81	
80	911.33	957.18	
85	946.64	994.25	
90	977.79	1026.95	
95	1004.84	1055.35	
100	1027.96	1079.62	
105	1047.39	1100.01	
110	1063.41	1116.83	
115	1076.37	1130.44	
120	1086.61	1141.18	
125	1094.46	1149.42	
130	1100.22	1155.47	
135	1104.14	1159.58	
140	1106.41	1161.97	
145	1107.15	1162.75	
150	1106.41	1161.97	
155	1104.14	1159.58	
160	1100.22	1155.47	
165	1094.46	1149.42	
170	1086.61	1141.18	
175	1076.37	1130.44	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	1063.41	1116.83	
185	1047.39	1100.01	
190	1027.96	1079.62	
195	1004.84	1055.35	
200	977.79	1026.95	
205	946.64	994.25	
210	911.33	957.18	
215	871.92	915.81	
220	828.58	870.33	
225	781.65	821.07	
230	731.57	768.51	
235	678.94	713.28	
240	624.49	656.14	
245	569.07	597.99	
250	513.66	539.85	
255	459.33	482.87	
260	407.31	428.32	
265	358.93	377.61	
270	315.67	332.29	
275	279.07	293.96	
280	250.54	264.12	
285	231.03	243.72	
290	220.47	232.68	
295	217.57	229.65	
300	220.11	232.30	
305	225.63	238.07	
310	232.00	244.73	
315	237.59	250.57	
320	241.34	254.50	
325	242.66	255.87	
330	241.34	254.50	
335	237.59	250.57	
340	232.00	244.73	
345	225.63	238.07	
350	220.11	232.30	
355	217.57	229.65	

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