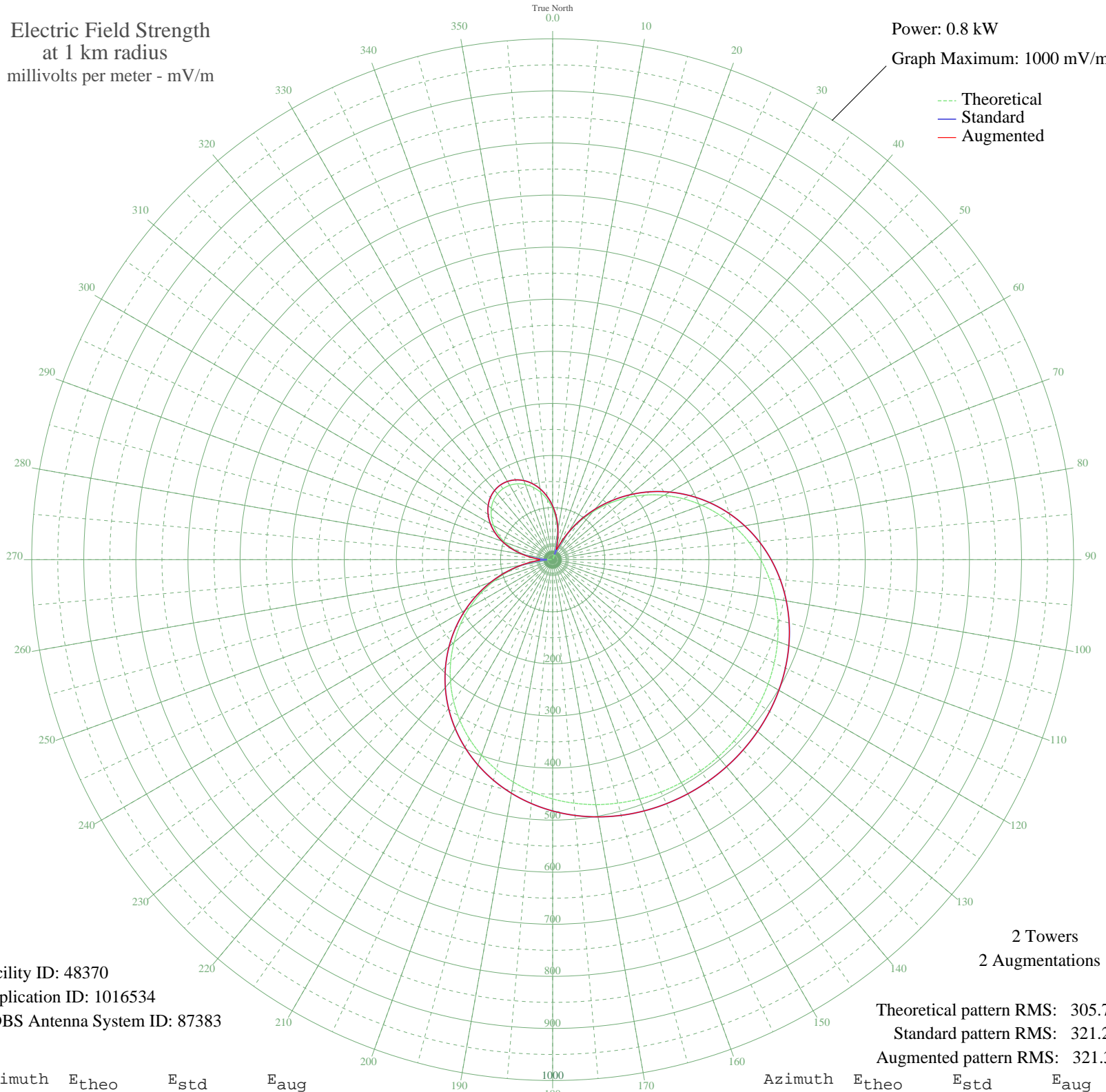


WGBR GOLDSBORO, NC 4L-20040809ACG 1150 kHz

Nighttime

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

Power: 0.8 kW
Graph Maximum: 1000 mV/m



Facility ID: 48370
Application ID: 1016534
CDBS Antenna System ID: 87383

2 Towers
2 Augmentations

Theoretical pattern RMS: 305.74
Standard pattern RMS: 321.20
Augmented pattern RMS: 321.31

Azimuth	E _{theo}	E _{std}	E _{aug}
0	97.69	103.11	103.11
5	77.20	81.73	81.73
10	54.32	58.00	58.55
15	29.26	32.47	35.59
20	2.22	10.76	20.34
25	26.53	29.77	33.48
30	56.69	60.44	61.15
35	87.92	92.91	92.91
40	119.85	126.28	126.28
45	152.12	160.07	160.07
50	184.31	193.81	193.81
55	216.06	227.11	227.11
60	246.99	259.55	259.55
65	276.76	290.79	290.79
70	305.06	320.49	320.49
75	331.64	348.38	348.38
80	356.30	374.26	374.26
85	378.89	397.97	397.97
90	399.31	419.41	419.41
95	417.54	438.54	438.54
100	433.59	455.39	455.39
105	447.50	470.00	470.00
110	459.38	482.46	482.46
115	469.32	492.90	492.90
120	477.46	501.44	501.44
125	483.91	508.21	508.21
130	488.79	513.33	513.33
135	492.20	516.91	516.91
140	494.21	519.02	519.02
145	494.87	519.72	519.72
150	494.21	519.02	519.02
155	492.20	516.91	516.91
160	488.79	513.33	513.33
165	483.91	508.21	508.21
170	477.46	501.44	501.44
175	469.32	492.90	492.90

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.

15 Feb 2012

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E _{theo}	E _{std}	E _{aug}
180	459.38	482.46	482.46
185	447.50	470.00	470.00
190	433.59	455.39	455.39
195	417.54	438.54	438.54
200	399.31	419.41	419.41
205	378.89	397.97	397.97
210	356.30	374.26	374.26
215	331.64	348.38	348.38
220	305.06	320.49	320.49
225	276.76	290.79	290.79
230	246.99	259.55	259.55
235	216.06	227.11	227.11
240	184.31	193.81	193.81
245	152.12	160.07	160.07
250	119.85	126.28	126.28
255	87.92	92.91	92.91
260	56.69	60.44	61.59
265	26.53	29.77	35.64
270	2.22	10.76	24.57
275	29.26	32.47	37.45
280	54.32	58.00	58.90
285	77.20	81.73	81.73
290	97.69	103.11	103.11
295	115.67	121.90	121.90
300	131.02	137.97	137.97
305	143.66	151.20	151.20
310	153.53	161.55	161.55
315	160.61	168.97	168.97
320	164.86	173.42	173.42
325	166.28	174.91	174.91
330	164.86	173.42	173.42
335	160.61	168.97	168.97
340	153.53	161.55	161.55
345	143.66	151.20	151.20
350	131.02	137.97	137.97
355	115.67	121.90	121.90