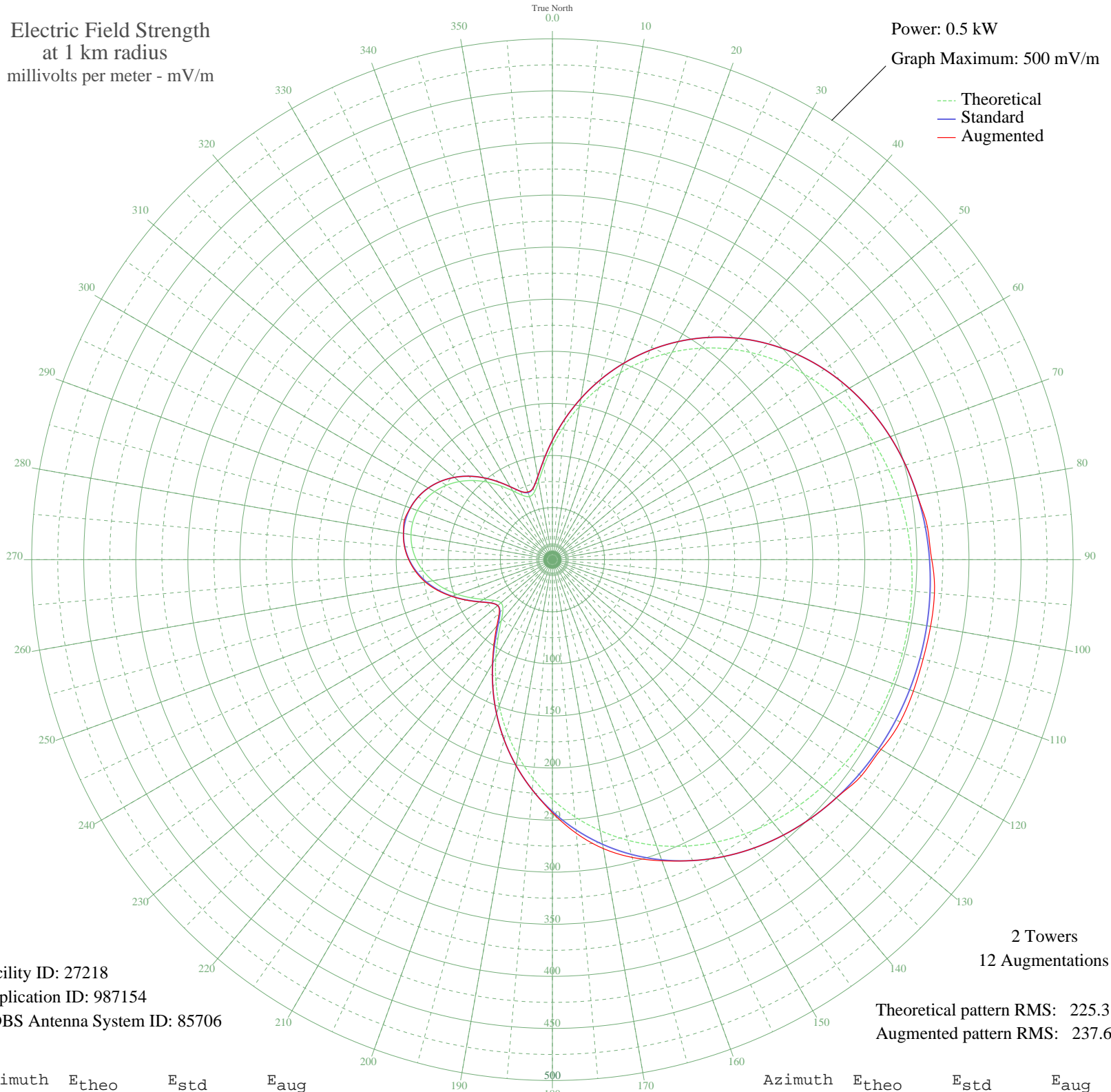


WCGC BELMONT, NC BL-20040324AGN 1270 kHz

Nighttime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m



Facility ID: 27218  
Application ID: 987154  
CDBS Antenna System ID: 85706

2 Towers  
12 Augmentations

Theoretical pattern RMS: 225.31  
Augmented pattern RMS: 237.68

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	108.69	114.61	114.61
5	128.47	135.30	135.30
10	149.22	157.03	157.03
15	170.23	179.05	179.05
20	190.96	200.79	200.79
25	211.00	221.80	221.80
30	230.03	241.76	241.76
35	247.78	260.38	260.38
40	264.08	277.48	277.48
45	278.81	292.94	292.94
50	291.91	306.69	306.69
55	303.38	318.72	318.72
60	313.25	329.08	329.08
65	321.60	337.85	337.85
70	328.55	345.13	345.13
75	334.21	351.07	351.07
80	338.71	355.80	355.80
85	342.18	359.44	361.46
90	344.74	362.13	364.29
95	346.50	363.97	368.25
100	347.52	365.05	368.75
105	347.85	365.40	368.54
110	347.52	365.05	368.87
115	346.50	363.97	368.48
120	344.74	362.13	364.40
125	342.18	359.44	362.01
130	338.71	355.80	355.80
135	334.21	351.07	351.07
140	328.55	345.13	345.13
145	321.60	337.85	337.85
150	313.25	329.08	329.08
155	303.38	318.72	318.72
160	291.91	306.69	307.63
165	278.81	292.94	295.90
170	264.08	277.48	281.64
175	247.78	260.38	263.71

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

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	230.03	241.76	242.96
185	211.00	221.80	221.80
190	190.96	200.79	200.79
195	170.23	179.05	179.05
200	149.22	157.03	157.03
205	128.47	135.30	135.30
210	108.69	114.61	115.01
215	90.86	95.98	97.61
220	76.41	80.91	83.01
225	67.13	71.26	72.22
230	64.48	68.52	68.52
235	68.21	72.39	72.48
240	76.30	80.80	81.06
245	86.50	91.43	91.73
250	97.20	102.60	102.88
255	107.43	113.29	114.05
260	116.62	122.90	123.92
265	124.43	131.07	131.80
270	130.64	137.58	137.95
275	135.15	142.30	142.57
280	137.88	145.16	145.24
285	138.80	146.11	147.09
290	137.88	145.16	145.16
295	135.15	142.30	142.30
300	130.64	137.58	137.58
305	124.43	131.07	131.07
310	116.62	122.90	122.90
315	107.43	113.29	113.29
320	97.20	102.60	102.60
325	86.50	91.43	91.43
330	76.30	80.80	80.80
335	68.21	72.39	72.39
340	64.48	68.52	69.20
345	67.13	71.26	71.26
350	76.41	80.91	80.91
355	90.86	95.98	95.98