

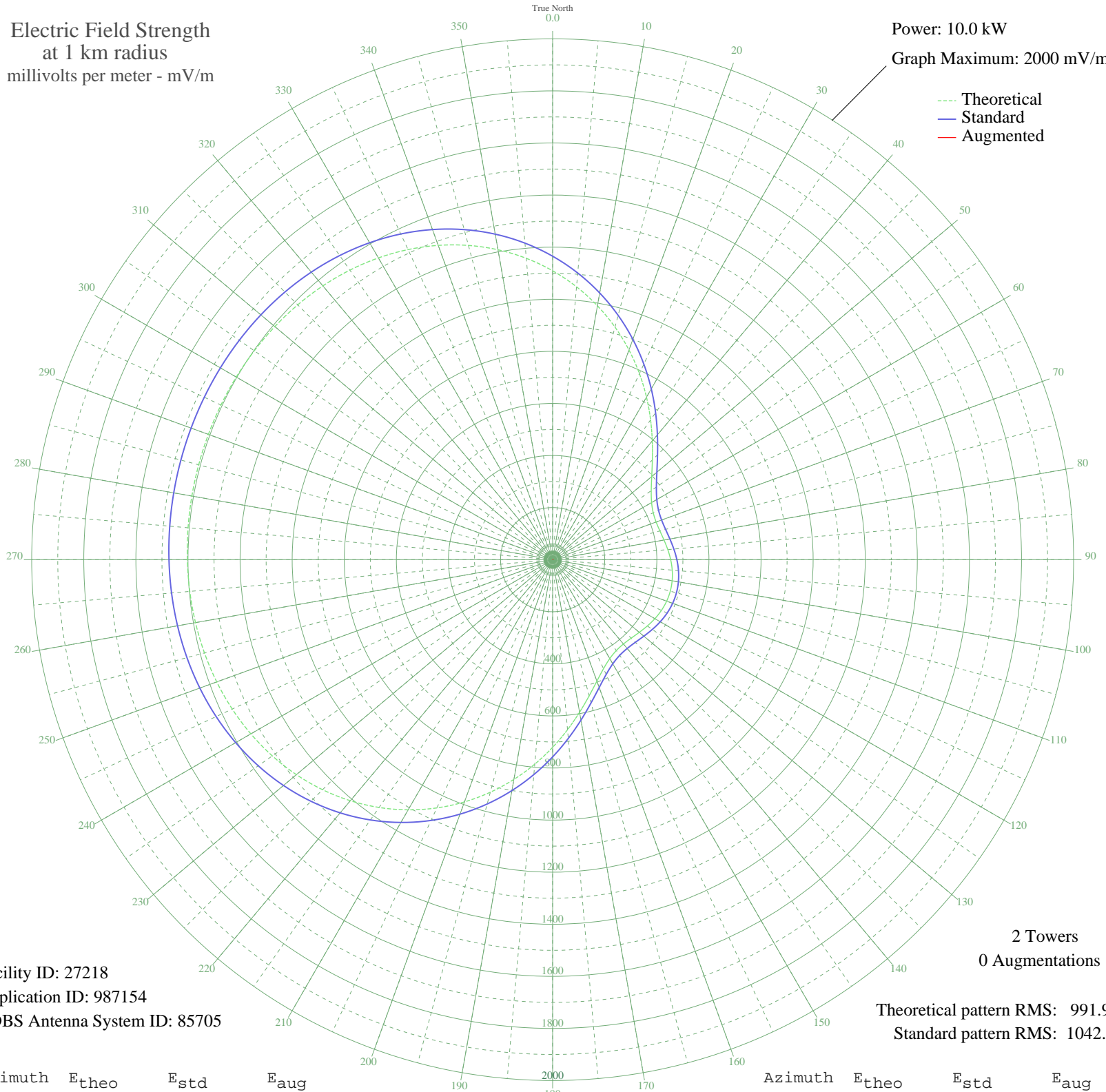
WCGC BELMONT, NC BL-20040324AGN 1270 kHz

Daytime

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

Power: 10.0 kW
Graph Maximum: 2000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 27218
Application ID: 987154
CDBS Antenna System ID: 85705

2 Towers
0 Augmentations

Theoretical pattern RMS: 991.98
Standard pattern RMS: 1042.11

Azimuth	E _{theo}	E _{std}	E _{aug}
0	1109.27	1165.20	
5	1051.80	1104.89	
10	989.90	1039.92	
15	924.50	971.29	
20	856.81	900.26	
25	788.25	828.33	
30	720.50	757.25	
35	655.40	688.97	
40	594.98	625.61	
45	541.34	569.38	
50	496.48	522.36	
55	461.99	486.22	
60	438.64	461.77	
65	426.07	448.61	
70	422.75	445.12	
75	426.30	448.84	
80	434.09	457.00	
85	443.68	467.05	
90	453.07	476.88	
95	460.77	484.94	
100	465.76	490.18	
105	467.49	491.99	
110	465.76	490.18	
115	460.77	484.94	
120	453.07	476.88	
125	443.68	467.05	
130	434.09	457.00	
135	426.30	448.84	
140	422.75	445.12	
145	426.07	448.61	
150	438.64	461.77	
155	461.99	486.22	
160	496.48	522.36	
165	541.34	569.38	
170	594.98	625.61	
175	655.40	688.97	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	720.50	757.25	
185	788.25	828.33	
190	856.81	900.26	
195	924.50	971.29	
200	989.90	1039.92	
205	1051.80	1104.89	
210	1109.27	1165.20	
215	1161.58	1220.11	
220	1208.30	1269.15	
225	1249.20	1312.08	
230	1284.28	1348.90	
235	1313.73	1379.82	
240	1337.90	1405.19	
245	1357.28	1425.53	
250	1372.40	1441.41	
255	1383.89	1453.47	
260	1392.36	1462.35	
265	1398.37	1468.67	
270	1402.46	1472.96	
275	1405.05	1475.68	
280	1406.48	1477.17	
285	1406.93	1477.65	
290	1406.48	1477.17	
295	1405.05	1475.68	
300	1402.46	1472.96	
305	1398.37	1468.67	
310	1392.36	1462.35	
315	1383.89	1453.47	
320	1372.40	1441.41	
325	1357.28	1425.53	
330	1337.90	1405.19	
335	1313.73	1379.82	
340	1284.28	1348.90	
345	1249.20	1312.08	
350	1208.30	1269.15	
355	1161.58	1220.11	

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.

26 Jun 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission