

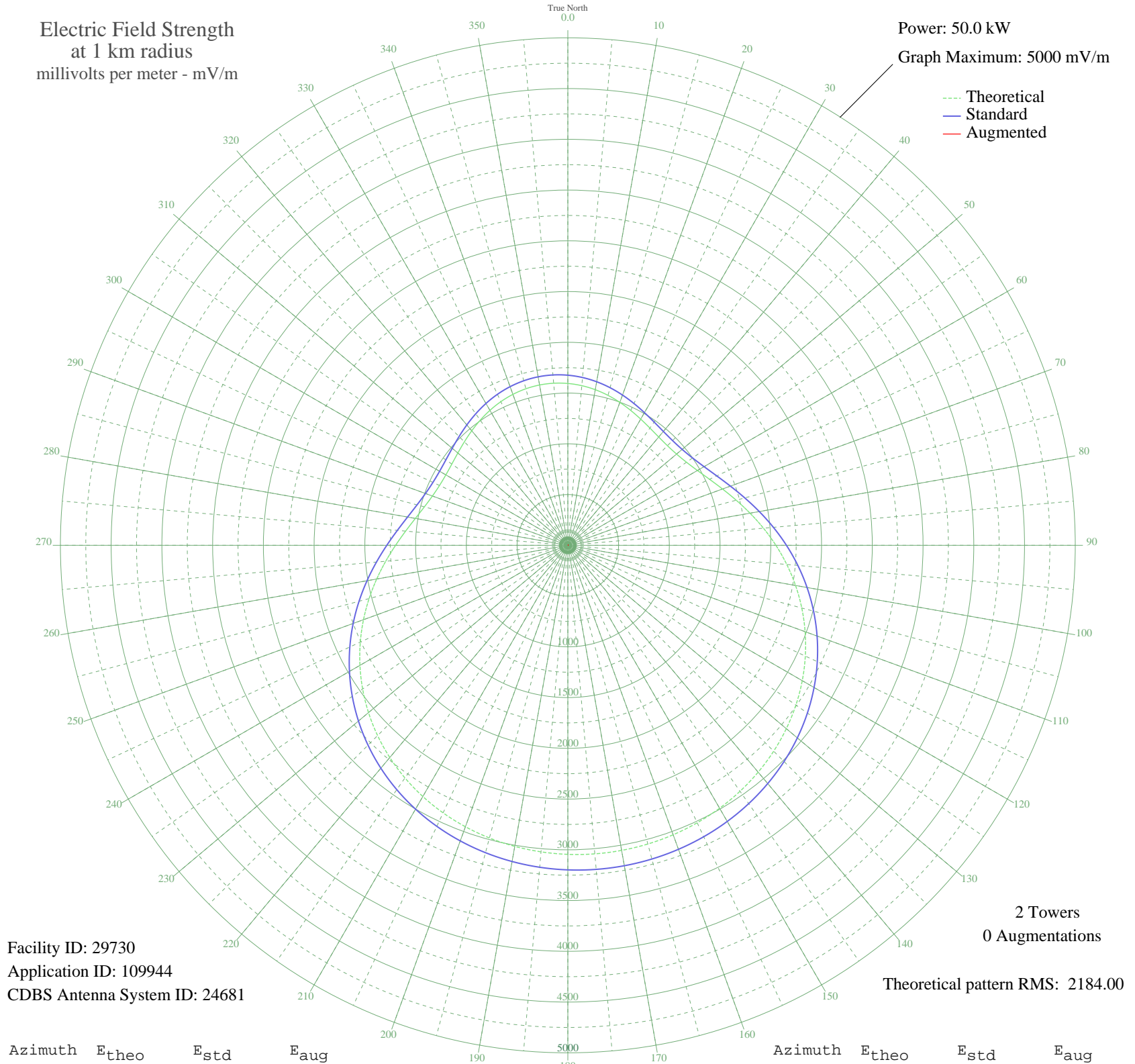
# WGST ATLANTA, GA BL-19880302AA 640 kHz

Daytime

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

Power: 50.0 kW  
Graph Maximum: 5000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 29730  
Application ID: 109944  
CDBS Antenna System ID: 24681

2 Towers  
0 Augmentations  
Theoretical pattern RMS: 2184.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1594.59	1675.97	
5	1578.92	1659.53	
10	1556.80	1636.33	
15	1529.45	1607.63	
20	1498.57	1575.25	
25	1466.43	1541.54	
30	1435.84	1509.45	
35	1410.11	1482.47	
40	1392.93	1464.46	
45	1388.01	1459.30	
50	1398.64	1470.45	
55	1427.14	1500.34	
60	1474.47	1549.97	
65	1540.07	1618.78	
70	1622.03	1704.75	
75	1717.47	1804.87	
80	1822.99	1915.58	
85	1935.07	2033.18	
90	2050.32	2154.12	
95	2165.67	2275.16	
100	2278.46	2393.54	
105	2386.52	2506.95	
110	2488.13	2613.59	
115	2582.00	2712.12	
120	2667.30	2801.64	
125	2743.53	2881.67	
130	2810.55	2952.01	
135	2868.45	3012.79	
140	2917.53	3064.31	
145	2958.20	3107.00	
150	2990.97	3141.39	
155	3016.32	3168.01	
160	3034.73	3187.33	
165	3046.58	3199.77	
170	3052.13	3205.60	
175	3051.52	3204.95	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	3044.72	3197.82	
185	3031.59	3184.03	
190	3011.82	3163.28	
195	2985.02	3135.15	
200	2950.72	3099.14	
205	2908.40	3054.72	
210	2857.59	3001.39	
215	2797.88	2938.72	
220	2729.02	2866.44	
225	2650.95	2784.49	
230	2563.89	2693.11	
235	2468.39	2592.87	
240	2365.38	2484.76	
245	2256.22	2370.19	
250	2142.72	2251.08	
255	2027.17	2129.82	
260	1912.30	2009.29	
265	1801.25	1892.77	
270	1697.46	1783.88	
275	1604.45	1686.31	
280	1525.56	1603.56	
285	1463.50	1538.47	
290	1419.94	1492.79	
295	1395.14	1466.78	
300	1387.84	1459.13	
305	1395.50	1467.15	
310	1414.69	1487.28	
315	1441.68	1515.58	
320	1472.84	1548.26	
325	1504.93	1581.92	
330	1535.26	1613.73	
335	1561.69	1641.45	
340	1582.61	1663.39	
345	1596.87	1678.36	
350	1603.79	1685.61	
355	1603.01	1684.80	

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.

28 Sep 2008

Prepared by Audio Division, Media Bureau  
Federal Communications Commission