

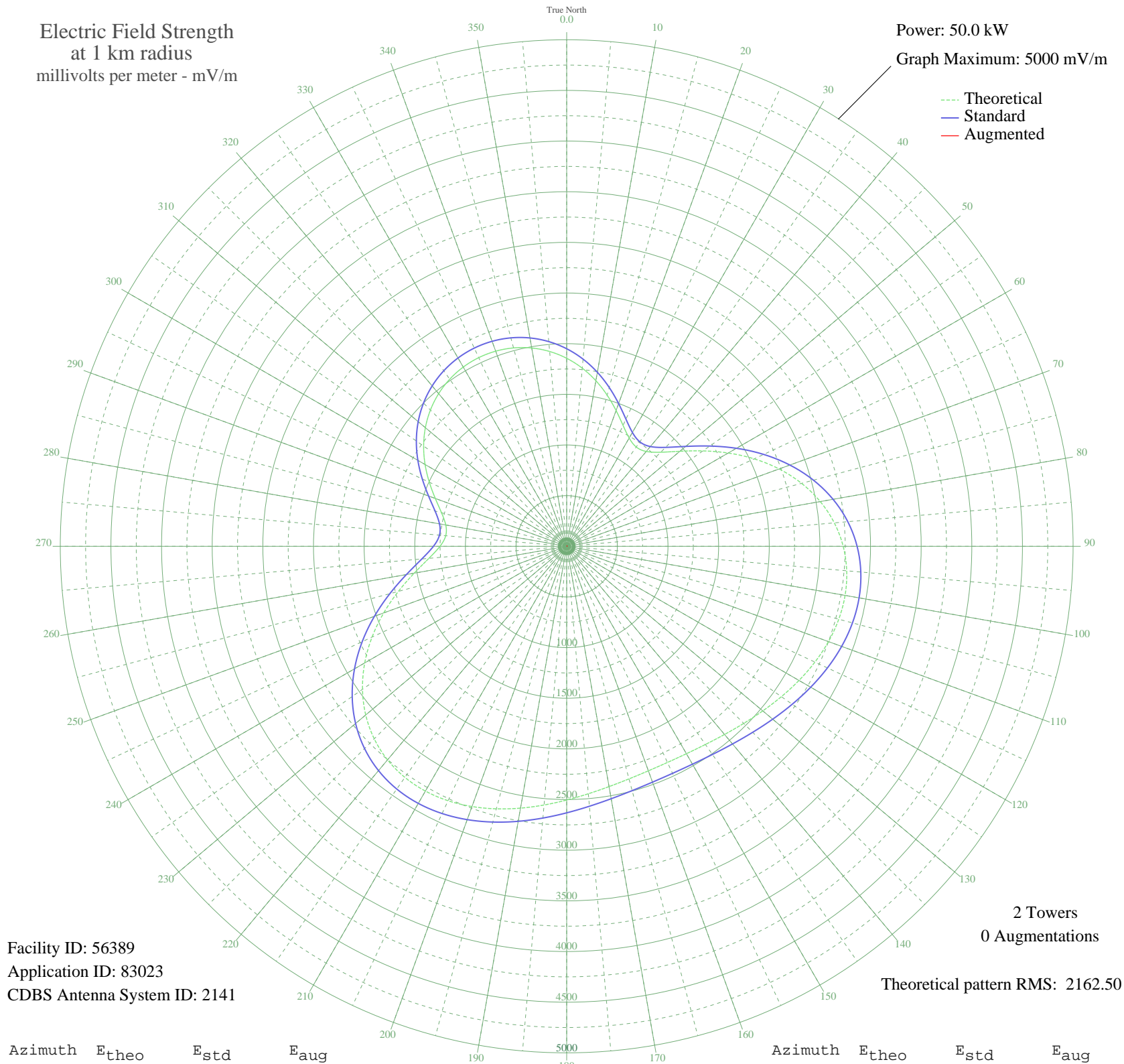
WCNN NORTH ATLANTA, GA BL-19851031AJ 680 kHz

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: 56389  
Application ID: 83023  
CDBS Antenna System ID: 2141

2 Towers  
0 Augmentations

Theoretical pattern RMS: 2162.50

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1855.86	1950.07	
5	1764.91	1854.65	
10	1659.62	1744.18	
15	1544.18	1623.08	
20	1425.97	1499.11	
25	1316.84	1384.67	
30	1233.73	1297.54	
35	1196.71	1258.74	
40	1221.97	1285.21	
45	1313.05	1380.70	
50	1459.09	1533.85	
55	1641.56	1725.23	
60	1841.44	1934.94	
65	2042.57	2145.99	
70	2232.26	2345.05	
75	2401.06	2522.20	
80	2542.44	2670.59	
85	2652.55	2786.17	
90	2729.95	2867.41	
95	2775.31	2915.03	
100	2791.12	2931.62	
105	2781.25	2921.26	
110	2750.54	2889.03	
115	2704.41	2840.60	
120	2648.39	2781.80	
125	2587.86	2718.27	
130	2527.70	2655.13	
135	2472.17	2596.84	
140	2424.74	2547.06	
145	2388.11	2508.61	
150	2364.19	2483.51	
155	2354.15	2472.97	
160	2358.47	2477.50	
165	2376.94	2496.89	
170	2408.67	2530.19	
175	2452.05	2575.73	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	2504.72	2631.00	
185	2563.50	2692.70	
190	2624.43	2756.66	
195	2682.88	2818.00	
200	2733.63	2871.27	
205	2771.17	2910.68	
210	2790.00	2930.44	
215	2784.99	2925.19	
220	2751.84	2890.38	
225	2687.44	2822.79	
230	2590.37	2720.90	
235	2461.17	2585.30	
240	2302.72	2418.99	
245	2120.42	2227.68	
250	1922.53	2020.03	
255	1720.41	1807.95	
260	1528.82	1606.97	
265	1365.84	1436.05	
270	1250.84	1315.48	
275	1198.79	1260.91	
280	1212.29	1275.07	
285	1279.37	1345.38	
290	1380.39	1451.31	
295	1496.67	1573.26	
300	1614.33	1696.67	
305	1724.34	1812.08	
310	1821.37	1913.88	
315	1902.61	1999.12	
320	1966.77	2066.44	
325	2013.46	2115.44	
330	2042.73	2146.15	
335	2054.75	2158.76	
340	2049.60	2153.36	
345	2027.25	2129.91	
350	1987.54	2088.24	
355	1930.36	2028.23	

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