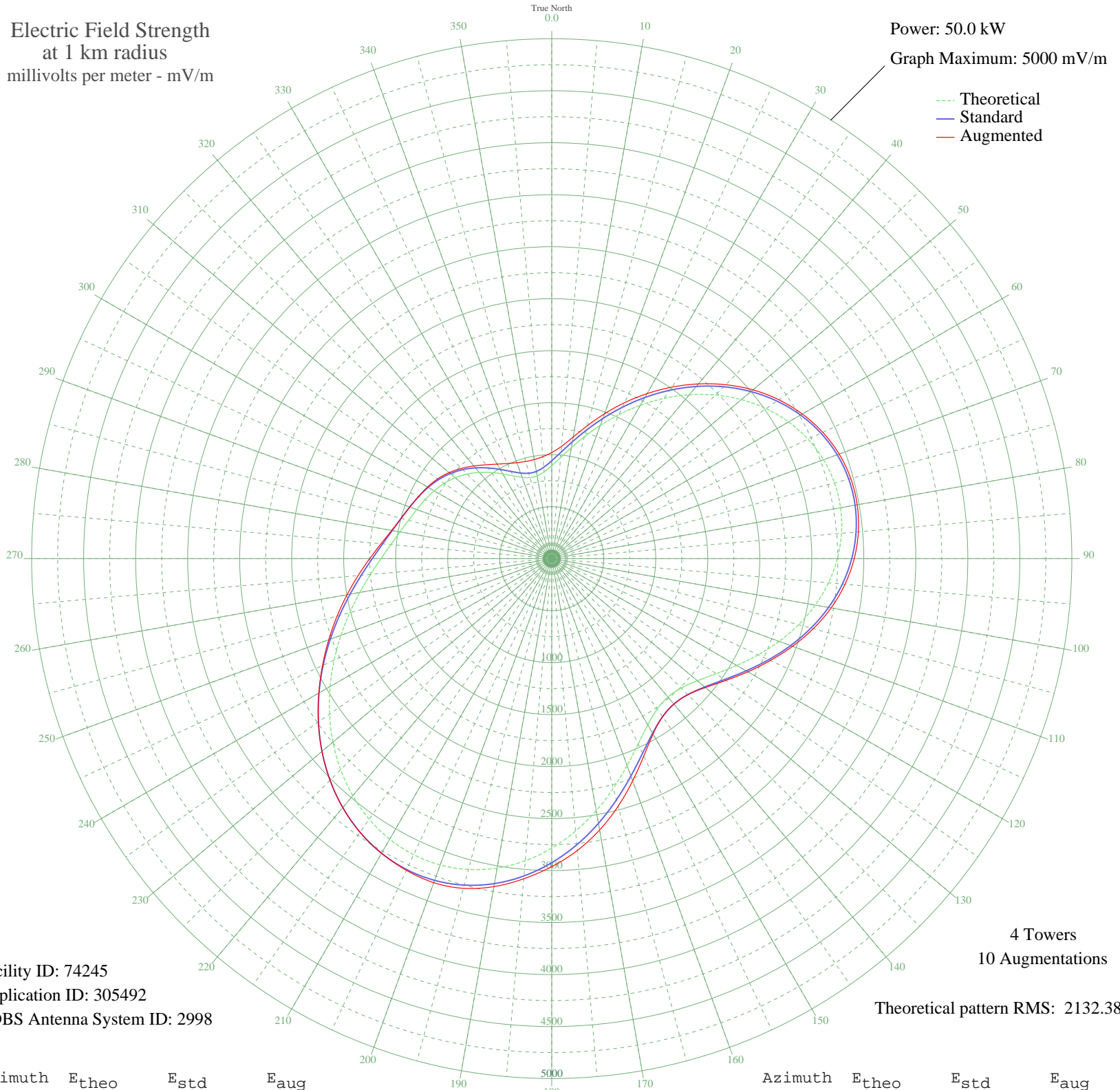


# WXJC BIRMINGHAM, AL BL-- 850 kHz

Daytime

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

Power: 50.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 74245  
Application ID: 305492  
CDBS Antenna System ID: 2998

4 Towers  
10 Augmentations  
Theoretical pattern RMS: 2132.38

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	893.65	941.27	1020.45
5	976.44	1027.94	1084.53
10	1083.88	1140.49	1187.73
15	1213.85	1276.71	1323.68
20	1363.28	1433.37	1482.40
25	1527.91	1606.02	1654.68
30	1702.45	1789.12	1832.54
35	1880.94	1976.38	2013.93
40	2057.18	2161.32	2193.44
45	2225.22	2337.66	2365.58
50	2379.63	2499.71	2525.10
55	2515.73	2642.56	2664.77
60	2629.73	2762.22	2781.76
65	2718.71	2855.61	2874.82
70	2780.63	2920.61	2940.51
75	2814.30	2955.95	2976.18
80	2819.33	2961.22	2981.93
85	2796.08	2936.82	2958.98
90	2745.72	2883.96	2907.90
95	2670.21	2804.71	2830.06
100	2572.42	2702.07	2727.40
105	2456.20	2580.07	2603.03
110	2326.54	2443.99	2463.82
115	2189.86	2300.55	2318.93
120	2054.22	2158.21	2177.06
125	1929.54	2027.37	2042.50
130	1827.39	1920.19	1928.40
135	1760.00	1849.49	1851.39
140	1737.89	1826.30	1826.30
145	1766.80	1856.63	1856.63
150	1845.52	1939.21	1947.59
155	1966.35	2066.00	2094.33
160	2117.65	2224.78	2274.40
165	2286.60	2402.08	2465.47
170	2460.95	2585.06	2650.22
175	2629.87	2762.36	2817.66

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	2784.22	2924.38	2962.30
185	2916.62	3063.35	3090.95
190	3021.47	3173.42	3202.99
195	3094.98	3250.58	3282.42
200	3135.11	3292.71	3316.31
205	3141.52	3299.43	3307.30
210	3115.32	3271.93	3271.93
215	3058.91	3212.71	3212.71
220	2975.64	3125.30	3125.30
225	2869.54	3013.93	3013.93
230	2745.04	2883.25	2883.25
235	2606.80	2738.15	2738.15
240	2459.52	2583.56	2585.29
245	2307.91	2424.44	2431.94
250	2156.62	2265.67	2281.59
255	2010.22	2112.04	2136.46
260	1873.12	1968.17	1998.15
265	1749.26	1838.23	1868.50
270	1641.80	1725.49	1750.31
275	1552.49	1631.81	1647.21
280	1481.16	1556.99	1562.81
285	1425.47	1498.58	1498.92
290	1381.11	1452.06	1452.06
295	1342.57	1411.66	1413.60
300	1304.19	1371.41	1378.22
305	1261.12	1326.25	1338.26
310	1210.17	1272.85	1287.48
315	1150.28	1210.07	1227.09
320	1082.69	1139.25	1163.17
325	1010.94	1064.08	1101.59
330	940.53	990.34	1049.51
335	878.32	925.22	1009.60
340	831.61	876.34	981.74
345	806.77	850.36	967.36
350	808.06	851.71	967.55
355	837.12	882.11	984.15