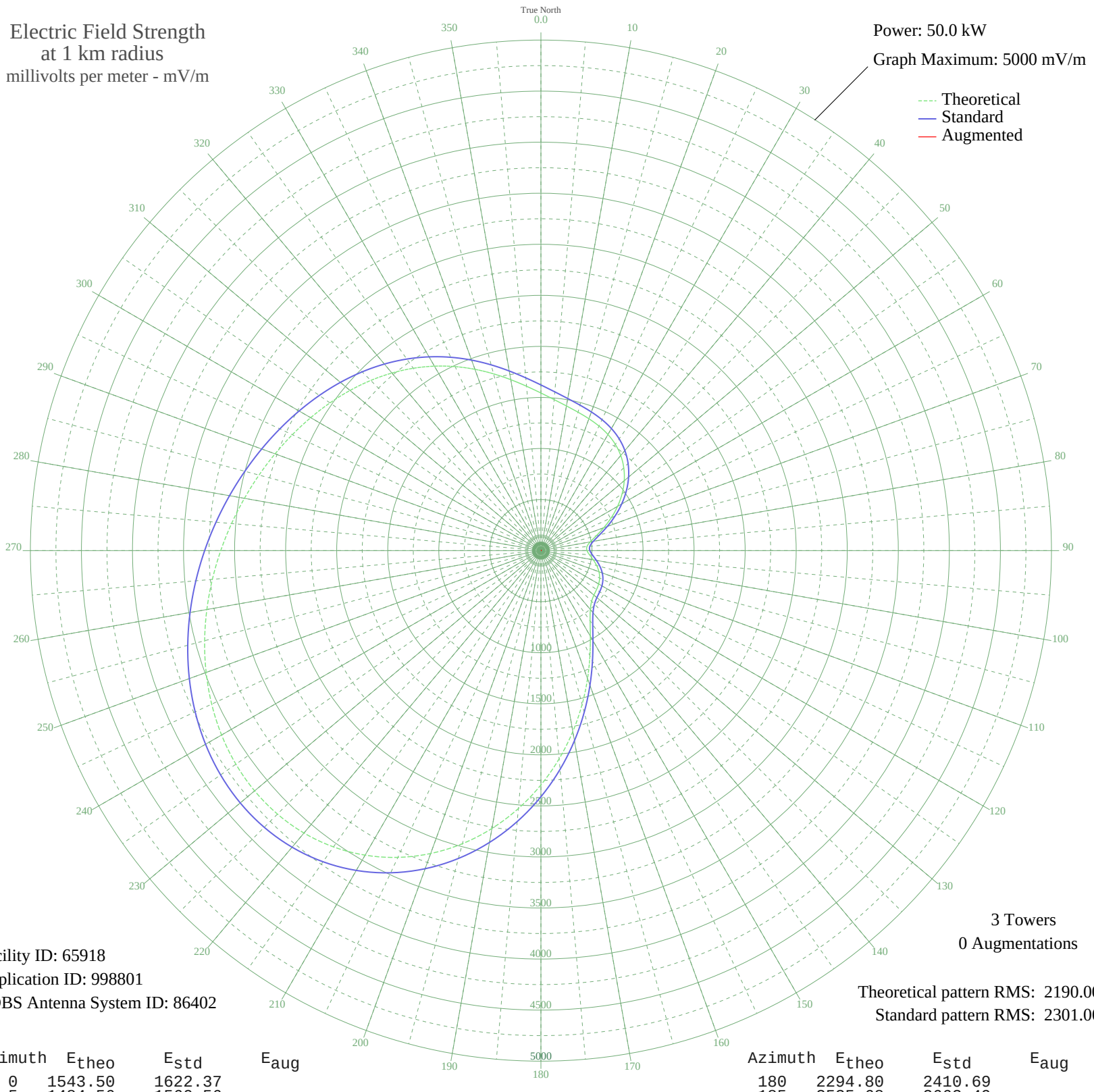
WHKY HICKORY, NC BL-20040604ACV 1290 kHz

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

3 Towers
0 Augmentations

Facility ID: 65918
Application ID: 998801
CDBS Antenna System ID: 86402

Theoretical pattern RMS: 2190.00
Standard pattern RMS: 2301.00

Azimuth	E_{theo}	E_{std}	E_{aug}
0	1543.50	1622.37	
5	1484.56	1560.56	
10	1438.71	1512.47	
15	1403.40	1475.44	
20	1374.25	1444.87	
25	1345.87	1415.11	
30	1312.86	1380.51	
35	1270.67	1336.27	
40	1216.09	1279.05	
45	1147.52	1207.18	
50	1065.06	1120.77	
55	970.40	1021.63	
60	866.84	913.20	
65	759.25	800.66	
70	654.36	691.08	
75	561.06	593.77	
80	490.31	520.15	
85	452.51	480.90	
90	451.09	479.43	
95	478.40	507.78	
100	520.69	551.74	
105	565.54	598.44	
110	604.71	639.28	
115	634.05	669.88	
120	653.09	689.76	
125	665.18	702.38	
130	677.82	715.57	
135	702.55	741.40	
140	752.86	793.98	
145	839.83	884.94	
150	968.02	1019.13	
155	1135.22	1194.29	
160	1334.94	1403.65	
165	1559.03	1638.66	
170	1799.07	1890.49	
175	2046.90	2150.53	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	2294.80	2410.69	
185	2535.68	2663.49	
190	2763.13	2902.23	
195	2971.63	3121.10	
200	3156.66	3315.33	
205	3314.77	3481.30	
210	3443.66	3616.61	
215	3542.20	3720.05	
220	3610.35	3791.59	
225	3649.11	3832.29	
230	3660.38	3844.11	
235	3646.74	3829.79	
240	3611.33	3792.62	
245	3557.61	3736.23	
250	3489.19	3664.40	
255	3409.60	3580.85	
260	3322.21	3489.11	
265	3230.05	3392.37	
270	3135.73	3293.35	
275	3041.36	3194.29	
280	2948.50	3096.82	
285	2858.17	3002.00	
290	2770.77	2910.25	
295	2686.15	2821.44	
300	2603.66	2734.85	
305	2522.19	2649.34	
310	2440.40	2563.50	
315	2356.86	2475.82	
320	2270.33	2385.00	
325	2179.99	2290.19	
330	2085.72	2191.27	
335	1988.32	2089.06	
340	1889.58	1985.45	
345	1792.24	1883.32	
350	1699.77	1786.30	
355	1615.82	1698.23	

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.

14 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission