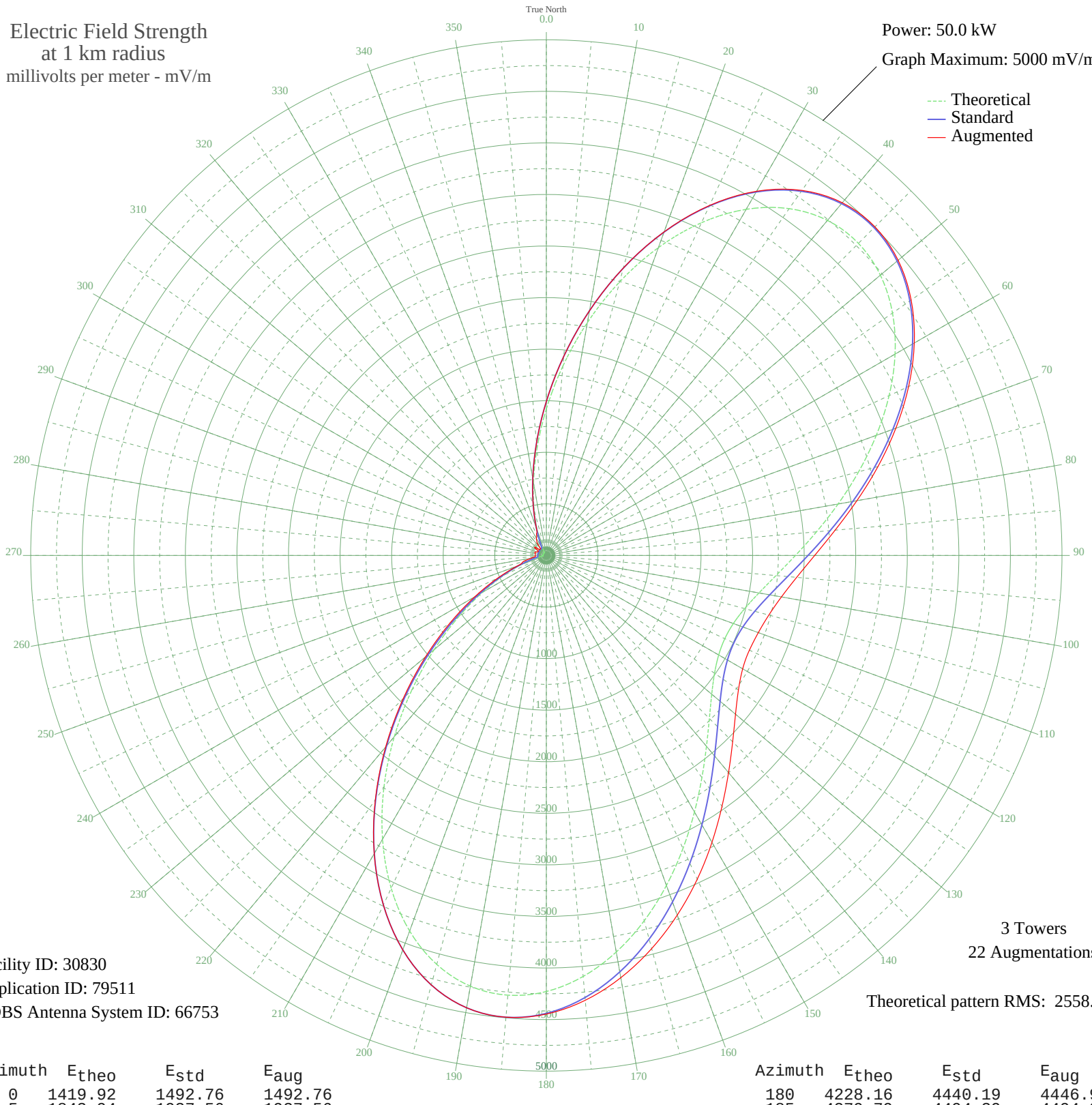
WBT CHARLOTTE, NC BL-19850628AJ 1110 kHz

Nighttime

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
22 Augmentations

Facility ID: 30830
Application ID: 79511
CDBS Antenna System ID: 66753

Theoretical pattern RMS: 2558.86

Azimuth	E_{theo}	E_{std}	E_{aug}
0	1419.92	1492.76	1492.76
5	1843.94	1937.56	1937.56
10	2293.54	2409.36	2409.36
15	2746.05	2884.31	2885.22
20	3176.48	3336.13	3339.12
25	3560.12	3738.86	3744.36
30	3875.18	4069.62	4077.56
35	4105.20	4311.10	4321.06
40	4240.67	4453.32	4464.61
45	4279.79	4494.39	4506.16
50	4228.16	4440.19	4452.89
55	4097.62	4303.14	4318.51
60	3904.42	4100.31	4119.87
65	3667.16	3851.23	3876.10
70	3404.77	3575.78	3606.48
75	3134.87	3292.45	3328.70
80	2872.54	3017.08	3057.75
85	2629.81	2762.30	2810.61
90	2415.50	2537.36	2601.85
95	2235.53	2348.48	2436.54
100	2093.51	2199.44	2314.88
105	1991.34	2092.23	2233.48
110	1929.86	2027.71	2187.43
115	1909.35	2006.19	2172.61
120	1929.86	2027.71	2198.35
125	1991.34	2092.23	2273.86
130	2093.51	2199.44	2394.67
135	2235.53	2348.48	2554.92
140	2415.50	2537.36	2748.51
145	2629.81	2762.30	2969.57
150	2872.54	3017.08	3211.93
155	3134.87	3292.45	3463.21
160	3404.77	3575.78	3710.99
165	3667.16	3851.23	3946.37
170	3904.42	4100.31	4157.45
175	4097.62	4303.14	4329.61

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.

13 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E_{theo}	E_{std}	E_{aug}
180	4228.16	4440.19	4446.95
185	4279.79	4494.39	4494.39
190	4240.67	4453.32	4453.32
195	4105.20	4311.10	4311.10
200	3875.18	4069.62	4069.62
205	3560.12	3738.86	3738.86
210	3176.48	3336.13	3337.69
215	2746.05	2884.31	2890.84
220	2293.54	2409.36	2424.14
225	1843.94	1937.56	1962.87
230	1419.92	1492.76	1528.88
235	1039.79	1094.30	1138.51
240	716.19	755.66	801.53
245	455.63	484.14	521.63
250	258.90	281.80	299.72
255	122.38	148.41	233.35
260	42.55	86.65	144.84
265	31.00	81.07	104.61
270	40.50	85.56	107.83
275	37.92	84.25	107.83
280	30.40	80.82	107.83
285	28.00	79.86	117.48
290	31.54	81.30	98.17
295	33.76	82.28	88.51
300	31.54	81.30	88.50
305	28.00	79.86	141.62
310	30.40	80.82	88.50
315	37.92	84.25	83.69
320	40.50	85.56	88.50
325	31.00	81.07	160.93
330	42.55	86.65	193.12
335	122.39	148.41	225.31
340	258.90	281.80	281.80
345	455.63	484.14	484.14
350	716.20	755.66	755.66
355	1039.80	1094.31	1094.31