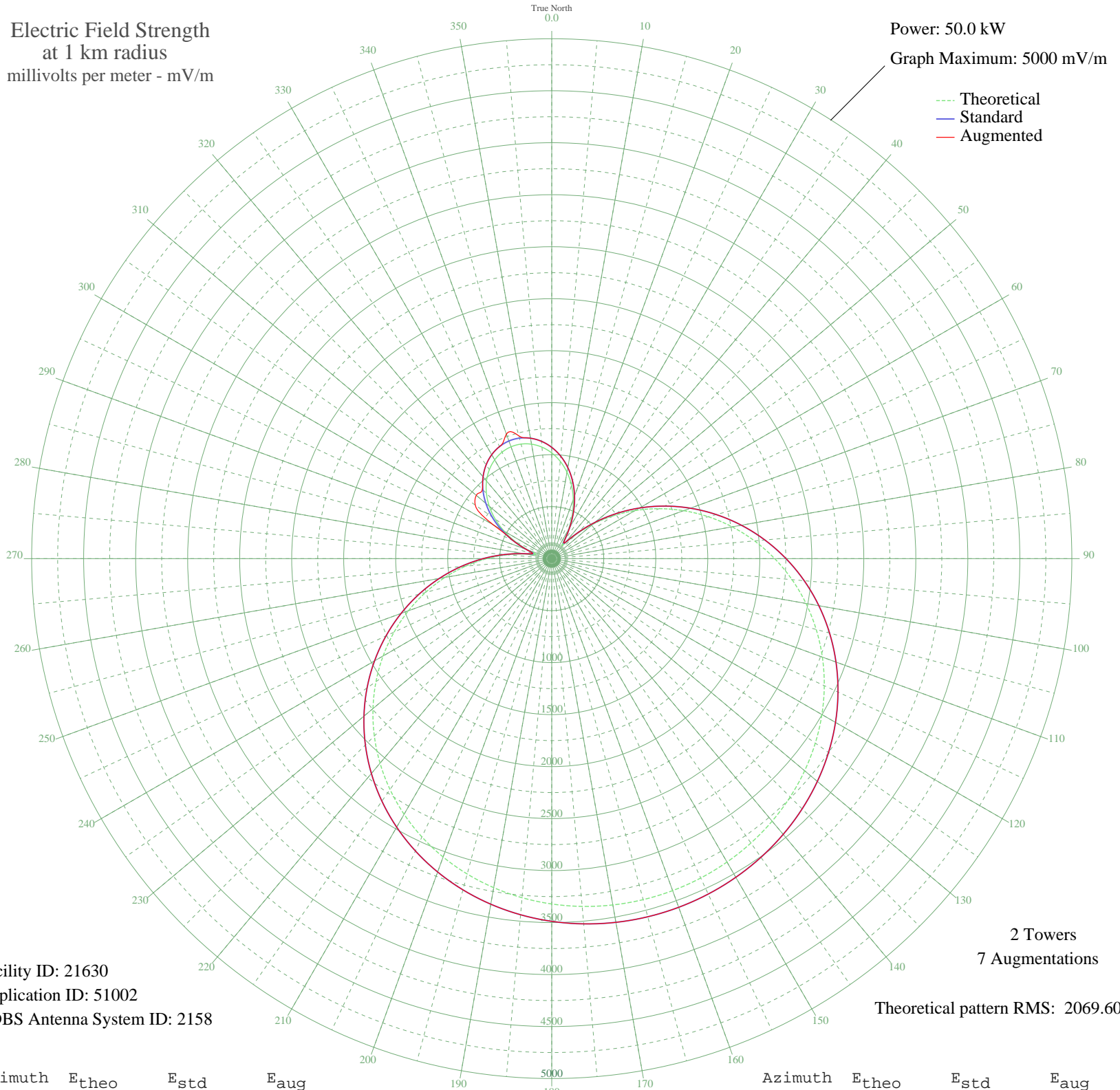


# WPTF RALEIGH, NC BL-19821229AM 680 kHz

Nighttime

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

Power: 50.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 21630  
Application ID: 51002  
CDBS Antenna System ID: 2158

2 Towers  
7 Augmentations  
Theoretical pattern RMS: 2069.60

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1016.77	1070.32	1070.32
5	939.19	989.08	989.08
10	844.17	889.63	889.63
15	732.52	772.89	772.89
20	605.57	640.38	640.38
25	465.74	494.90	494.90
30	318.97	343.44	343.44
35	189.03	212.54	215.00
40	180.71	204.41	206.17
45	323.62	348.20	348.20
50	511.67	542.61	542.61
55	714.62	754.19	754.19
60	924.38	973.57	973.57
65	1136.82	1196.07	1196.07
70	1348.84	1418.32	1418.32
75	1557.78	1637.44	1637.64
80	1761.26	1850.89	1851.51
85	1957.15	2056.41	2057.37
90	2143.59	2252.05	2253.08
95	2319.03	2436.17	2436.98
100	2482.24	2607.46	2607.91
105	2632.30	2764.96	2765.08
110	2768.60	2908.03	2908.03
115	2890.85	3036.34	3036.34
120	2998.98	3149.85	3149.85
125	3093.17	3248.72	3248.72
130	3173.76	3333.32	3333.32
135	3241.19	3404.10	3404.10
140	3295.97	3461.60	3461.60
145	3338.59	3506.35	3506.35
150	3369.52	3538.82	3538.82
155	3389.13	3559.40	3559.40
160	3397.68	3568.37	3568.37
165	3395.27	3565.84	3565.84
170	3381.88	3551.79	3551.79
175	3357.33	3526.01	3526.01

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.

15 Feb 2012

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	3321.31	3488.20	3488.20
185	3273.40	3437.91	3437.91
190	3213.12	3374.63	3374.63
195	3139.95	3297.83	3297.83
200	3053.43	3207.00	3207.00
205	2953.13	3101.72	3101.72
210	2838.80	2981.71	2981.71
215	2710.35	2846.88	2846.88
220	2567.94	2697.41	2697.41
225	2412.01	2533.75	2533.75
230	2243.28	2356.67	2356.67
235	2062.83	2167.30	2167.30
240	1872.02	1967.09	1967.09
245	1672.55	1757.82	1757.82
250	1466.39	1541.58	1541.58
255	1255.78	1320.76	1320.76
260	1043.23	1098.02	1098.02
265	831.55	876.43	876.43
270	624.16	659.77	659.77
275	426.28	454.00	454.00
280	251.13	274.43	274.43
285	159.46	183.89	189.90
290	240.44	263.66	263.66
295	383.68	409.98	409.98
300	528.61	560.22	644.76
305	663.19	700.49	896.86
310	783.62	826.31	946.61
315	888.08	935.58	943.38
320	975.51	1027.11	1027.11
325	1045.24	1100.13	1100.13
330	1096.81	1154.16	1154.16
335	1129.96	1188.89	1188.89
340	1144.51	1204.14	1274.58
345	1140.41	1199.84	1222.49
350	1117.66	1176.00	1176.00
355	1076.38	1132.75	1132.75