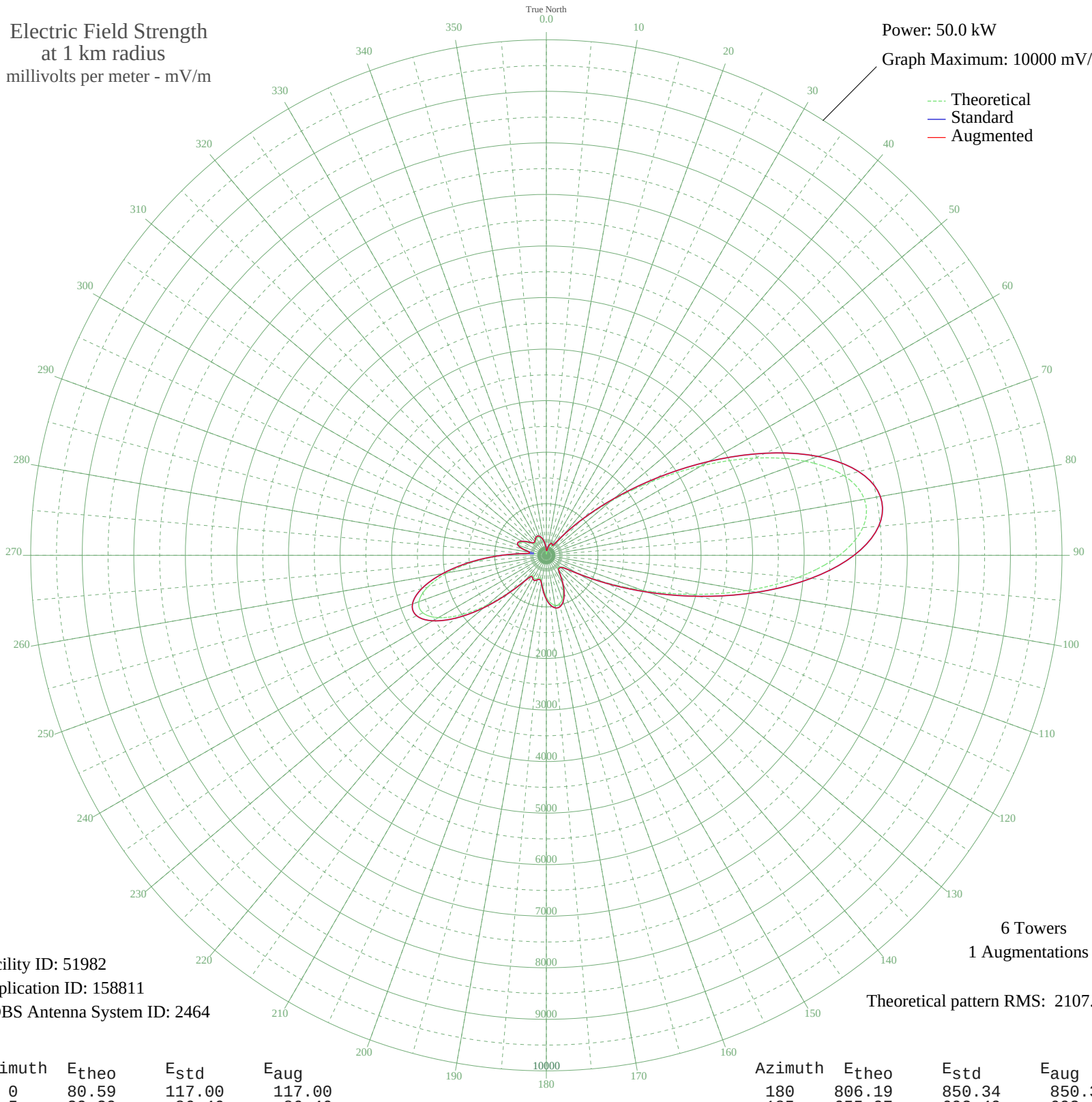
WQTM ORLANDO, FL BL-19910401AC 740 kHz

Nighttime

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



Power: 50.0 kW

Graph Maximum: 10000 mV/m

Theoretical
Standard
Augmented

6 Towers
1 Augmentations

Facility ID: 51982
Application ID: 158811
CDBS Antenna System ID: 2464

Theoretical pattern RMS: 2107.00

Azimuth	E_{theo}	E_{std}	E_{aug}
0	80.59	117.00	117.00
5	29.29	86.46	86.46
10	107.50	138.82	138.82
15	175.39	201.10	201.10
20	218.34	243.08	243.08
25	227.81	252.48	252.48
30	204.83	229.75	229.75
35	232.20	256.85	256.85
40	476.68	507.00	507.00
45	947.69	998.35	998.35
50	1627.89	1711.19	1711.19
55	2489.75	2615.49	2615.49
60	3468.82	3643.16	3643.16
65	4461.59	4685.37	4685.37
70	5339.46	5607.01	5607.01
75	5973.55	6272.75	6272.75
80	6263.46	6577.13	6577.13
85	6161.17	6469.73	6469.73
90	5682.54	5967.22	5967.22
95	4903.18	5148.97	5148.97
100	3940.28	4138.08	4138.08
105	2926.90	3074.31	3074.31
110	1986.64	2087.54	2087.54
115	1216.19	1279.55	1279.55
120	681.00	719.60	719.60
125	413.43	441.56	441.56
130	342.98	369.08	369.08
135	325.24	350.93	350.93
140	346.85	373.05	373.05
145	451.24	480.64	480.64
150	611.49	647.13	647.13
155	774.88	817.63	817.63
160	904.32	952.97	952.97
165	977.79	1029.85	1029.85
170	984.57	1036.95	1036.95
175	923.95	973.51	973.51

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.

31 Aug 2008

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E_{theo}	E_{std}	E_{aug}
180	806.19	850.34	850.34
185	655.97	693.49	693.49
190	518.79	550.69	550.69
195	455.00	484.53	484.53
200	474.89	505.14	505.14
205	506.89	538.34	538.34
210	492.36	523.26	523.26
215	467.98	497.98	497.98
220	611.08	646.70	646.70
225	993.25	1046.04	1046.04
230	1499.47	1576.51	1576.51
235	2009.51	2111.53	2111.53
240	2418.30	2540.51	2540.51
245	2641.49	2774.74	2774.74
250	2630.29	2762.98	2762.98
255	2382.45	2502.88	2502.88
260	1942.44	2041.17	2041.17
265	1389.87	1461.60	1461.60
270	821.38	866.22	866.22
275	347.96	374.19	396.66
280	253.26	277.93	331.73
285	445.64	474.85	474.85
290	555.34	588.68	588.68
295	567.05	600.86	600.86
300	513.14	544.82	544.82
305	431.69	460.42	460.42
310	358.23	384.72	384.72
315	320.10	345.68	345.68
320	323.44	349.10	349.10
325	349.58	375.85	375.85
330	374.90	401.85	401.85
335	383.69	410.90	410.90
340	368.03	394.79	394.79
345	325.74	351.44	351.44
350	259.13	283.84	283.84
355	174.26	200.02	200.02