

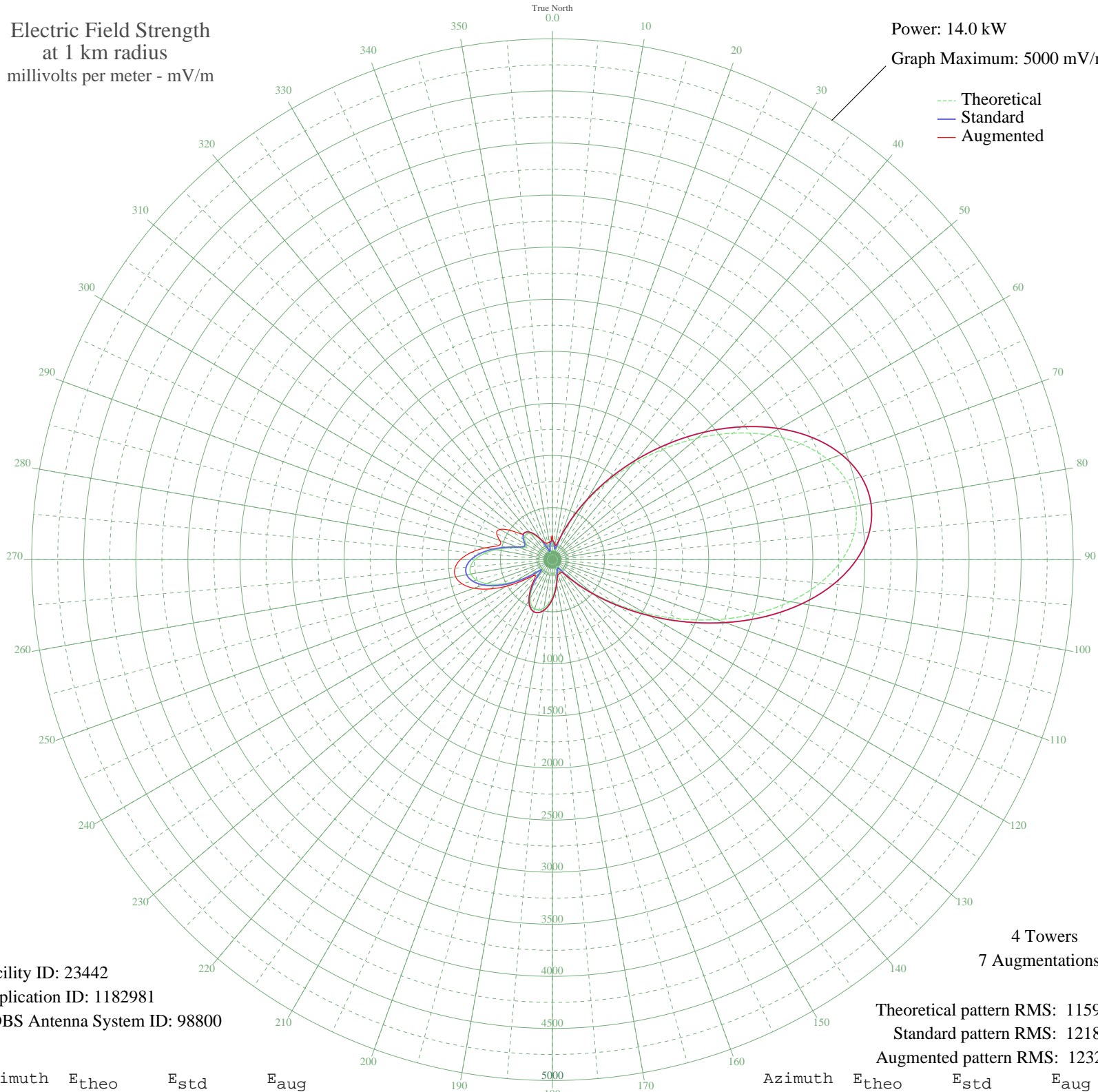
WDYZ ORLANDO, FL BL-20070413AHC 990 kHz

Nighttime

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

Power: 14.0 kW  
Graph Maximum: 5000 mV/m

--- Theoretical  
--- Standard  
--- Augmented



Facility ID: 23442  
Application ID: 1182981  
CDBS Antenna System ID: 98800

4 Towers  
7 Augmentations

Theoretical pattern RMS: 1159.00  
Standard pattern RMS: 1218.00  
Augmented pattern RMS: 1232.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	167.99	182.79	218.88
5	147.06	161.68	170.57
10	101.72	117.07	147.33
15	100.67	116.07	148.66
20	220.24	236.17	244.54
25	404.61	427.53	427.69
30	633.29	666.68	666.68
35	897.97	944.08	944.08
40	1190.17	1250.60	1250.60
45	1499.48	1575.18	1575.18
50	1813.30	1904.57	1904.57
55	2117.17	2223.55	2223.55
60	2395.42	2515.65	2515.65
65	2632.14	2764.16	2764.16
70	2812.42	2953.43	2953.43
75	2923.75	3070.31	3070.31
80	2957.29	3105.53	3105.53
85	2909.08	3054.91	3054.91
90	2780.65	2920.08	2920.08
95	2579.26	2708.65	2708.65
100	2317.37	2433.71	2433.71
105	2011.57	2112.69	2112.69
110	1681.04	1765.74	1765.74
115	1345.69	1413.79	1413.79
120	1024.40	1076.68	1076.68
125	733.36	771.51	771.81
130	485.09	511.60	514.53
135	288.21	306.40	317.46
140	149.17	163.80	193.54
145	79.76	96.50	148.63
150	79.31	96.09	147.51
155	96.32	111.92	149.99
160	118.84	133.68	154.77
165	158.88	173.58	180.23
170	217.94	233.80	234.23
175	287.69	305.85	305.85

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	358.47	379.43	379.43
185	421.83	445.51	445.51
190	470.71	496.56	496.56
195	499.30	526.45	526.45
200	503.12	530.44	530.44
205	479.12	505.36	505.36
210	426.11	449.98	451.24
215	345.47	365.89	378.32
220	243.48	260.11	297.28
225	144.86	159.48	232.94
230	149.83	164.46	239.86
235	272.85	290.47	353.22
240	419.19	442.76	509.19
245	557.66	587.51	666.12
250	673.12	708.40	801.66
255	754.72	793.90	897.45
260	795.09	836.22	944.68
265	790.93	831.86	939.73
270	743.65	782.30	883.96
275	659.68	694.32	784.01
280	550.72	580.24	652.00
285	434.23	458.45	531.07
290	334.97	354.97	537.98
295	282.86	300.85	590.56
300	287.81	305.98	580.85
305	320.21	339.62	485.80
310	346.51	366.98	382.52
315	349.98	370.59	370.59
320	326.03	345.67	345.67
325	276.96	294.73	294.73
330	209.37	225.00	229.49
335	133.59	148.24	183.77
340	70.72	88.38	168.07
345	75.68	92.80	167.13
350	122.75	137.52	168.74
355	158.26	172.95	175.60