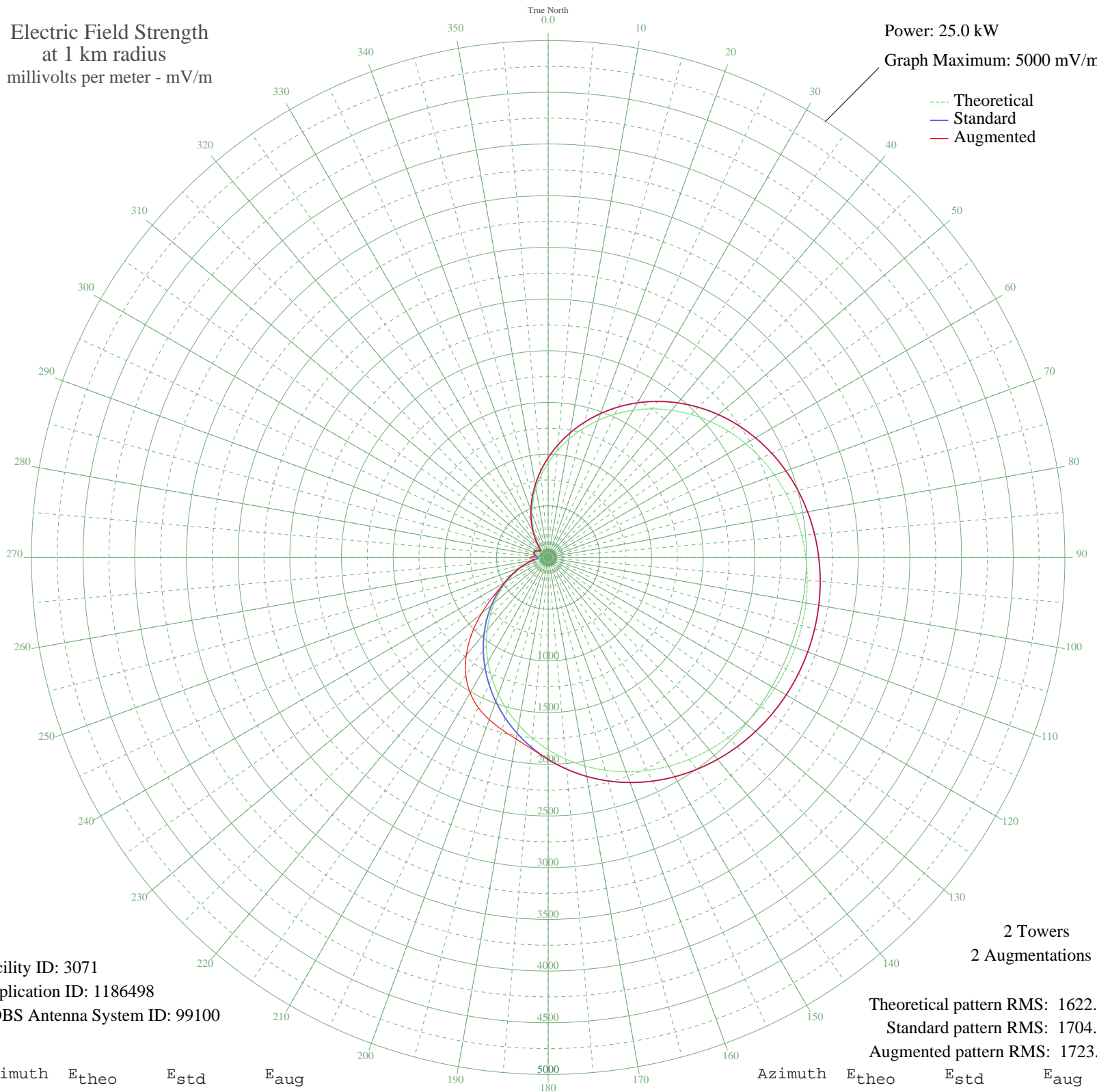


# WWBC COCOA, FL BL-20070503ACZ 1510 kHz

## Critical Hours

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

Power: 25.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 3071  
Application ID: 1186498  
CDBS Antenna System ID: 99100

Theoretical pattern RMS: 1622.35  
Standard pattern RMS: 1704.38  
Augmented pattern RMS: 1723.59

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	916.98	964.44	964.44
5	1040.14	1093.57	1093.57
10	1164.27	1223.75	1223.75
15	1288.01	1353.56	1353.56
20	1410.09	1481.64	1481.64
25	1529.27	1606.70	1606.70
30	1644.42	1727.54	1727.54
35	1754.55	1843.12	1843.12
40	1858.78	1952.51	1952.51
45	1956.40	2054.97	2054.97
50	2046.86	2149.93	2149.93
55	2129.77	2236.95	2236.95
60	2204.89	2315.80	2315.80
65	2272.10	2386.36	2386.36
70	2331.44	2448.65	2448.65
75	2383.01	2502.78	2502.78
80	2427.00	2548.96	2548.96
85	2463.64	2587.42	2587.42
90	2493.18	2618.43	2618.43
95	2515.86	2642.24	2642.24
100	2531.88	2659.06	2659.06
105	2541.43	2669.08	2669.08
110	2544.60	2672.41	2672.41
115	2541.43	2669.08	2669.08
120	2531.88	2659.06	2659.06
125	2515.86	2642.24	2642.24
130	2493.18	2618.43	2618.43
135	2463.64	2587.42	2587.42
140	2427.00	2548.96	2548.96
145	2383.01	2502.78	2502.78
150	2331.44	2448.65	2448.65
155	2272.10	2386.36	2386.36
160	2204.89	2315.80	2315.80
165	2129.77	2236.95	2236.95
170	2046.86	2149.93	2149.93
175	1956.40	2054.97	2054.97

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.

17 Oct 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1858.78	1952.51	1952.51
185	1754.55	1843.12	1857.29
190	1644.42	1727.54	1783.31
195	1529.27	1606.70	1724.25
200	1410.09	1481.64	1668.12
205	1288.01	1353.56	1600.88
210	1164.27	1223.75	1510.20
215	1040.14	1093.57	1388.01
220	916.98	964.44	1231.87
225	796.13	837.79	1045.69
230	678.94	715.06	840.89
235	566.74	597.68	640.06
240	460.82	487.06	487.06
245	362.49	384.67	384.67
250	273.16	292.18	292.18
255	194.66	211.85	211.85
260	130.18	147.61	149.44
265	87.07	107.06	161.31
270	76.68	97.91	176.89
275	91.65	111.19	141.60
280	110.96	129.14	129.14
285	124.59	142.18	142.18
290	129.37	146.82	146.82
295	124.59	142.18	142.18
300	110.96	129.14	129.14
305	91.65	111.19	111.19
310	76.68	97.91	97.91
315	87.07	107.06	107.06
320	130.18	147.61	147.61
325	194.66	211.85	211.85
330	273.16	292.18	292.18
335	362.49	384.67	384.67
340	460.82	487.06	487.06
345	566.74	597.68	597.68
350	678.94	715.06	715.06
355	796.13	837.79	837.79