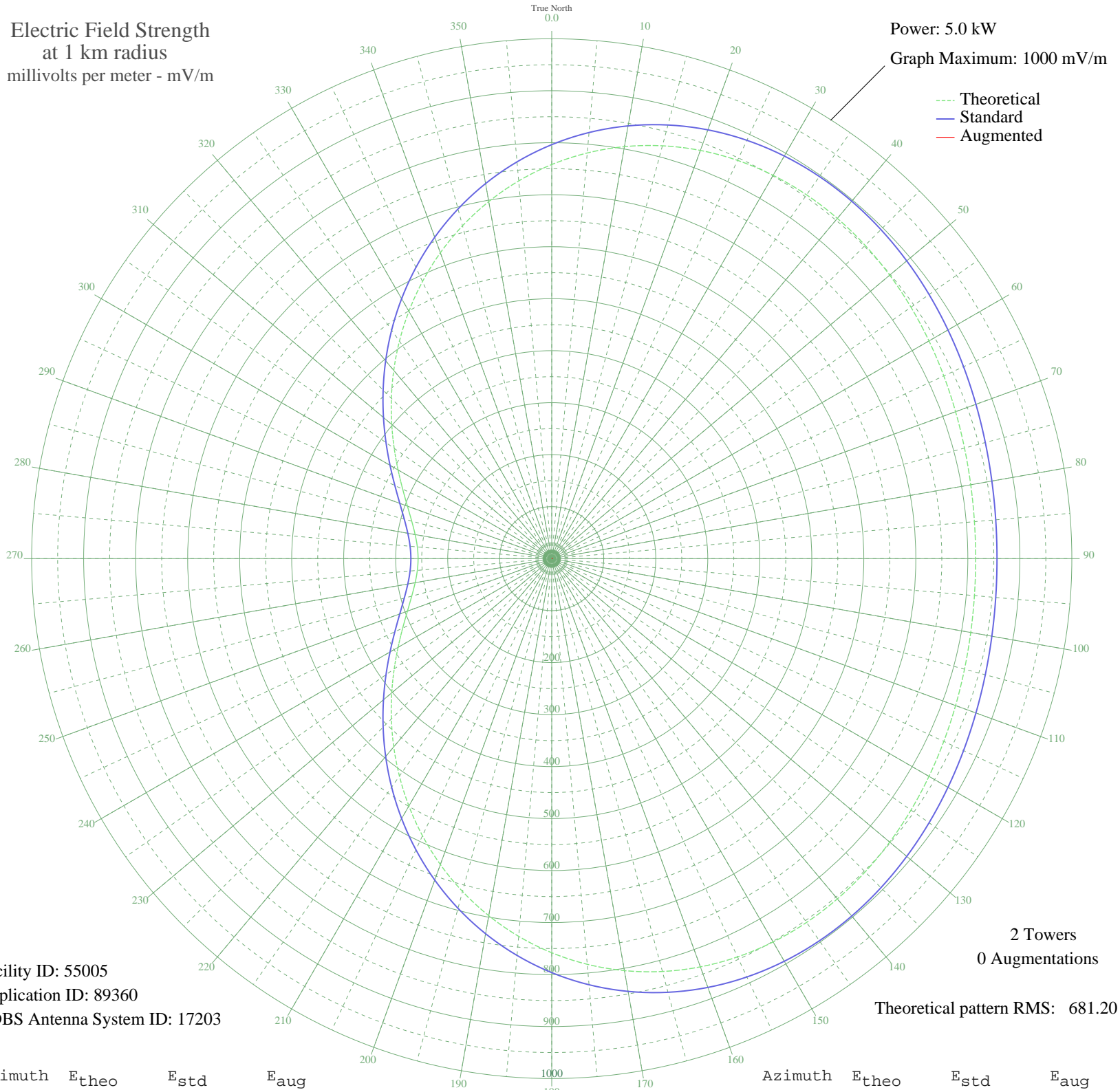


# WMEL COCOA BEACH, FL BL-19860617AA 1300 kHz

Daytime

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

Power: 5.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 55005  
Application ID: 89360  
CDBS Antenna System ID: 17203

Theoretical pattern RMS: 681.20

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	758.04	796.29	
5	783.26	822.75	
10	804.65	845.21	
15	822.10	863.52	
20	835.59	877.68	
25	845.25	887.83	
30	851.35	894.22	
35	854.23	897.25	
40	854.34	897.36	
45	852.17	895.09	
50	848.28	891.00	
55	843.22	885.69	
60	837.53	879.72	
65	831.73	873.64	
70	826.30	867.93	
75	821.63	863.03	
80	818.06	859.28	
85	815.81	856.92	
90	815.05	856.12	
95	815.81	856.92	
100	818.06	859.28	
105	821.63	863.03	
110	826.30	867.93	
115	831.73	873.64	
120	837.53	879.72	
125	843.22	885.69	
130	848.28	891.00	
135	852.17	895.09	
140	854.34	897.36	
145	854.23	897.25	
150	851.35	894.22	
155	845.25	887.83	
160	835.59	877.68	
165	822.10	863.52	
170	804.65	845.21	
175	783.26	822.75	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	758.04	796.29	
185	729.27	766.10	
190	697.35	732.59	
195	662.77	696.30	
200	626.12	657.85	
205	588.08	617.93	
210	549.33	577.27	
215	510.60	536.64	
220	472.61	496.80	
225	436.06	458.46	
230	401.58	422.31	
235	369.77	388.97	
240	341.17	358.99	
245	316.21	332.85	
250	295.29	310.94	
255	278.70	293.58	
260	266.69	281.01	
265	259.42	273.40	
270	256.98	270.85	
275	259.42	273.40	
280	266.69	281.01	
285	278.70	293.58	
290	295.29	310.94	
295	316.21	332.85	
300	341.17	358.99	
305	369.77	388.97	
310	401.58	422.31	
315	436.06	458.46	
320	472.61	496.80	
325	510.60	536.64	
330	549.33	577.27	
335	588.08	617.93	
340	626.12	657.85	
345	662.77	696.30	
350	697.35	732.59	
355	729.27	766.10	

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission