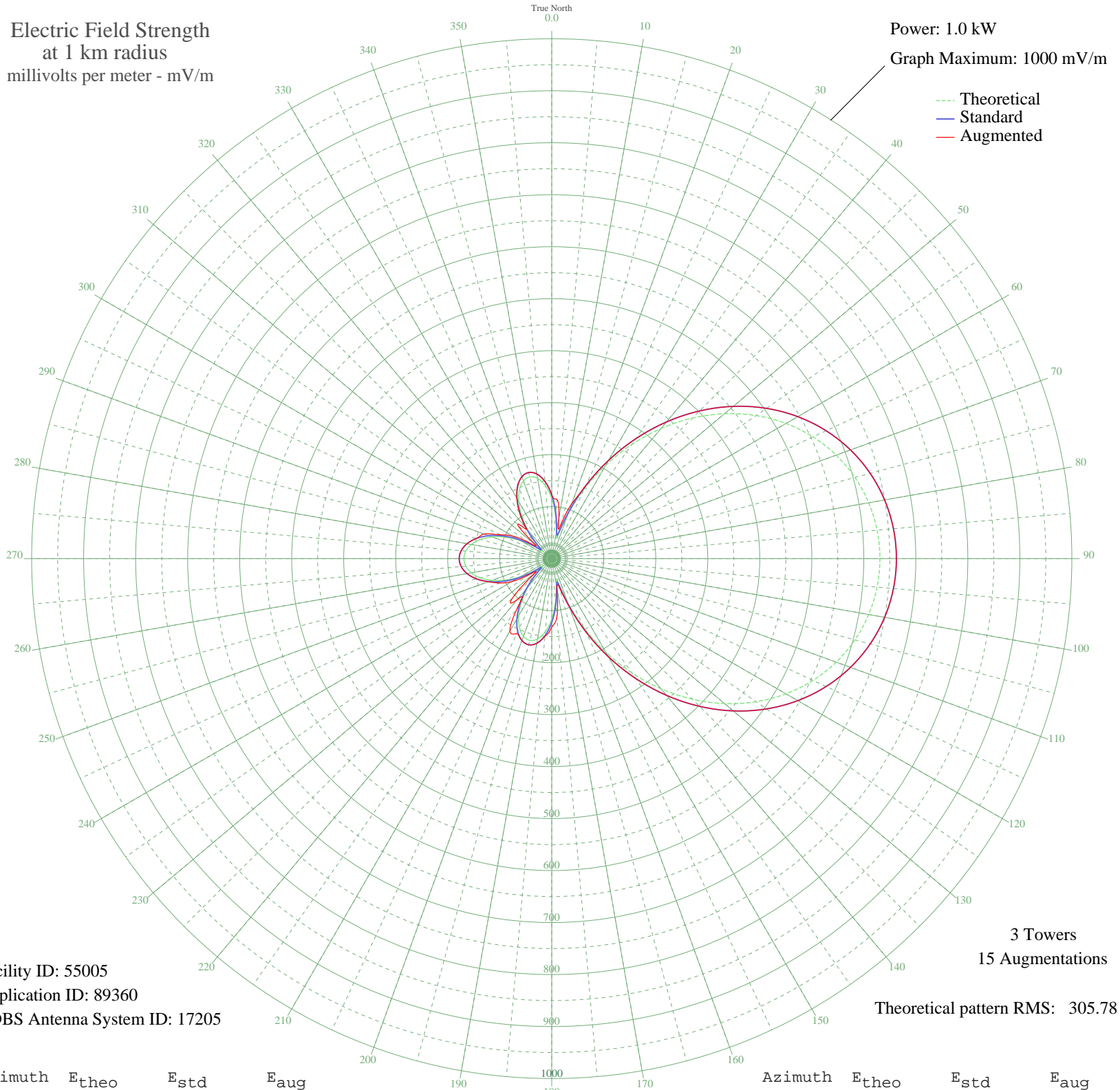


# WMEL COCOA BEACH, FL BL-19860617AA 1300 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 55005  
Application ID: 89360  
CDBS Antenna System ID: 17205

3 Towers  
15 Augmentations

Theoretical pattern RMS: 305.78

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	115.95	122.64	122.64
5	83.21	88.61	114.26
10	49.61	54.14	78.64
15	47.50	52.01	67.54
20	90.60	96.26	112.41
25	146.95	155.00	155.00
30	207.05	217.90	217.90
35	267.62	281.39	281.39
40	326.57	343.21	343.21
45	382.32	401.70	401.70
50	433.68	455.60	455.60
55	479.78	503.99	503.99
60	520.06	546.26	546.26
65	554.18	582.08	582.08
70	582.01	611.29	611.29
75	603.54	633.88	633.88
80	618.82	649.93	649.93
85	627.95	659.51	659.51
90	630.98	662.70	662.70
95	627.95	659.51	659.51
100	618.82	649.93	649.93
105	603.54	633.88	633.88
110	582.01	611.29	611.29
115	554.18	582.08	582.08
120	520.06	546.26	546.26
125	479.78	503.99	503.99
130	433.68	455.60	455.60
135	382.32	401.70	401.70
140	326.57	343.21	343.21
145	267.62	281.39	281.39
150	207.05	217.90	217.90
155	146.95	155.00	155.00
160	90.60	96.26	98.04
165	47.50	52.01	58.32
170	49.61	54.14	57.94
175	83.21	88.61	113.41

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.

04 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	115.95	122.64	132.08
185	141.07	148.86	150.11
190	156.81	165.31	165.31
195	162.71	171.48	171.48
200	159.05	167.65	167.65
205	146.64	154.67	159.46
210	126.71	133.86	160.93
215	100.85	106.92	113.72
220	70.99	75.99	102.03
225	40.05	44.56	106.34
230	20.34	25.96	38.62
235	39.76	44.28	55.03
240	69.40	74.35	87.94
245	97.60	103.54	110.96
250	122.21	129.16	129.85
255	142.18	150.02	150.02
260	156.86	165.37	165.37
265	165.83	174.75	174.75
270	168.85	177.91	177.91
275	165.83	174.75	174.75
280	156.86	165.37	165.37
285	142.18	150.02	150.02
290	122.21	129.16	138.40
295	97.60	103.54	108.31
300	69.40	74.35	86.90
305	39.76	44.28	54.52
310	20.34	25.96	38.62
315	40.05	44.57	93.34
320	70.99	75.99	75.99
325	100.85	106.92	106.92
330	126.71	133.86	133.86
335	146.64	154.67	154.67
340	159.05	167.65	167.65
345	162.71	171.48	171.48
350	156.81	165.31	165.31
355	141.07	148.86	148.86