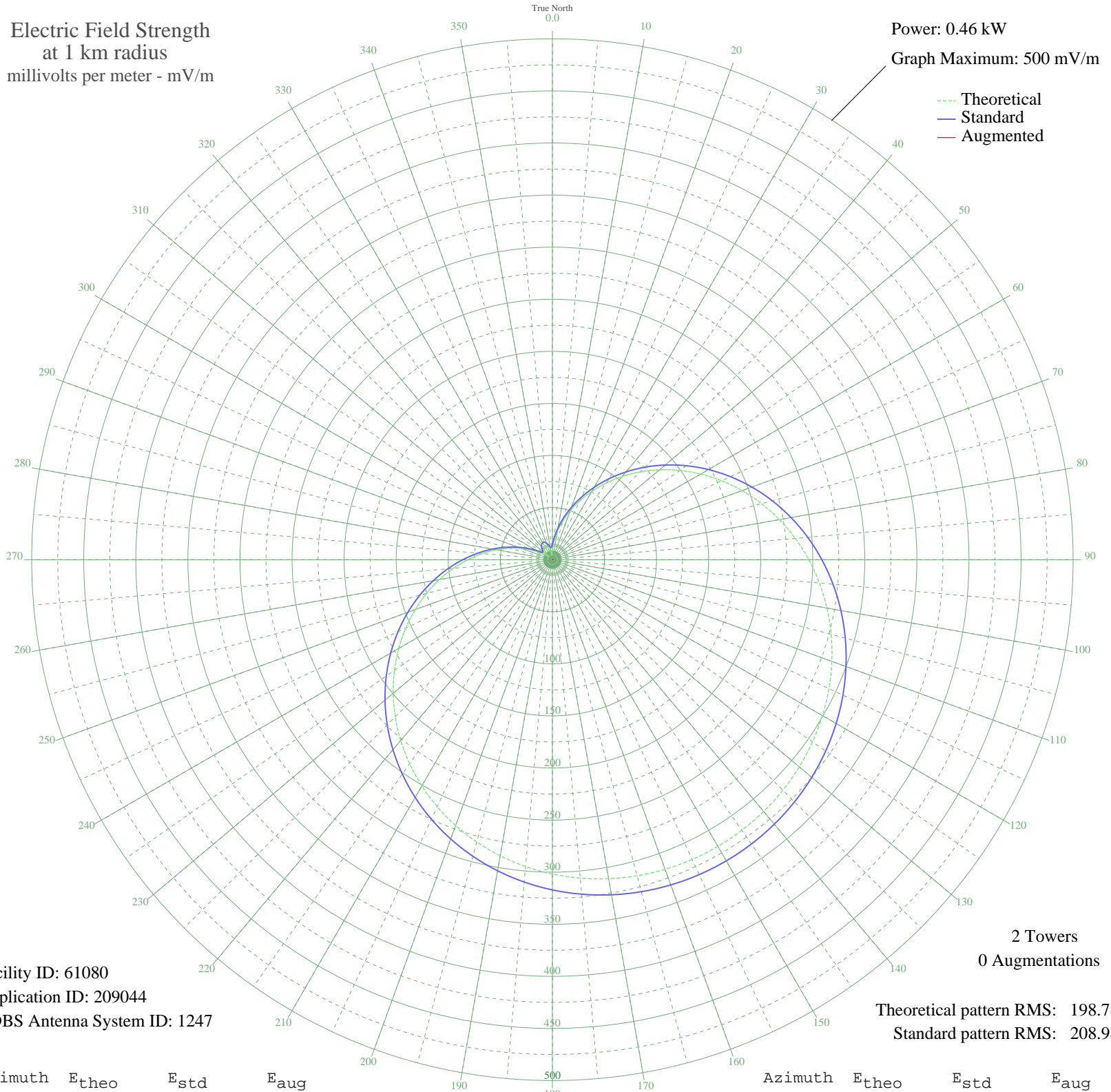


# WMEN ROYAL PALM BEACH, FL BL-19950515AE 640 kHz

Nighttime

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

Power: 0.46 kW  
Graph Maximum: 500 mV/m



Facility ID: 61080  
Application ID: 209044  
CDBS Antenna System ID: 1247

2 Towers  
0 Augmentations

Theoretical pattern RMS: 198.78  
Standard pattern RMS: 208.98

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	10.01	14.86	
5	18.05	21.66	
10	27.52	30.74	
15	38.16	41.42	
20	49.83	53.37	
25	62.40	66.36	
30	75.75	80.23	
35	89.75	94.82	
40	104.25	109.97	
45	119.12	125.51	
50	134.20	141.31	
55	149.36	157.18	
60	164.45	172.99	
65	179.32	188.58	
70	193.85	203.81	
75	207.90	218.55	
80	221.38	232.68	
85	234.17	246.11	
90	246.20	258.73	
95	257.40	270.48	
100	267.71	281.29	
105	277.09	291.14	
110	285.52	299.98	
115	292.97	307.80	
120	299.44	314.58	
125	304.92	320.34	
130	309.43	325.07	
135	312.97	328.78	
140	315.54	331.48	
145	317.16	333.18	
150	317.82	333.88	
155	317.53	333.58	
160	316.30	332.28	
165	314.11	329.98	
170	310.96	326.68	
175	306.84	322.36	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	301.75	317.01	
185	295.67	310.63	
190	288.62	303.23	
195	280.58	294.79	
200	271.58	285.35	
205	261.64	274.92	
210	250.79	263.54	
215	239.08	251.25	
220	226.58	238.14	
225	213.37	224.28	
230	199.53	209.77	
235	185.18	194.72	
240	170.43	179.26	
245	155.41	163.52	
250	140.27	147.65	
255	125.13	131.81	
260	110.16	116.15	
265	95.50	100.82	
270	81.28	85.99	
275	67.66	71.81	
280	54.76	58.45	
285	42.71	46.06	
290	31.64	34.84	
295	21.68	25.07	
300	13.02	17.24	
305	6.26	12.39	
310	4.74	11.62	
315	8.32	13.66	
320	11.73	16.18	
325	13.99	18.05	
330	14.93	18.87	
335	14.53	18.52	
340	12.78	17.04	
345	9.79	14.70	
350	6.01	12.25	
355	4.67	11.59	

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission