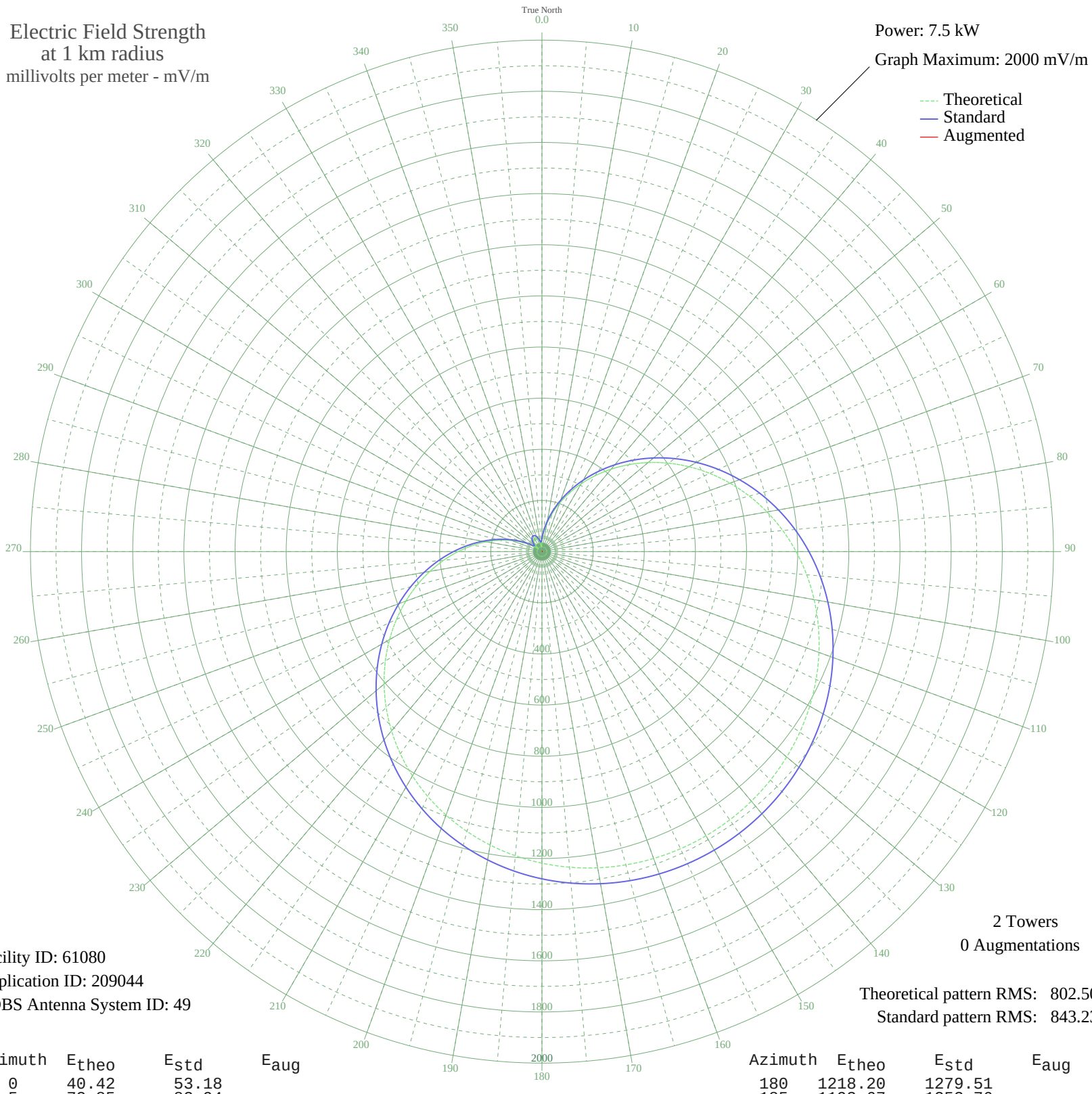
WMEN ROYAL PALM BEACH, FL BL-19950515AE 640 kHz

Daytime

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



Power: 7.5 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented

2 Towers
0 Augmentations

Facility ID: 61080
Application ID: 209044
CDBS Antenna System ID: 49

Theoretical pattern RMS: 802.50
Standard pattern RMS: 843.23

Azimuth	E_{theo}	E_{std}	E_{aug}
0	40.42	53.18	
5	72.85	82.94	
10	111.09	120.97	
15	154.06	164.90	
20	201.17	213.65	
25	251.93	266.46	
30	305.83	322.71	
35	362.33	381.79	
40	420.87	443.08	
45	480.90	505.96	
50	541.80	569.79	
55	603.00	633.96	
60	663.90	697.83	
65	723.94	760.81	
70	782.58	822.34	
75	839.33	881.88	
80	893.73	938.96	
85	945.39	993.17	
90	993.96	1044.15	
95	1039.16	1091.59	
100	1080.79	1135.28	
105	1118.66	1175.03	
110	1152.67	1210.73	
115	1182.75	1242.30	
120	1208.86	1269.71	
125	1231.01	1292.96	
130	1249.21	1312.06	
135	1263.48	1327.05	
140	1273.87	1337.95	
145	1280.40	1344.80	
150	1283.08	1347.61	
155	1281.93	1346.41	
160	1276.94	1341.17	
165	1268.10	1331.89	
170	1255.39	1318.55	
175	1238.76	1301.09	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	1218.20	1279.51	
185	1193.67	1253.76	
190	1165.18	1223.85	
195	1132.73	1189.80	
200	1096.39	1151.66	
205	1056.25	1109.53	
210	1012.46	1063.56	
215	965.20	1013.97	
220	914.74	961.01	
225	861.40	905.03	
230	805.54	846.42	
235	747.59	785.63	
240	688.05	723.16	
245	627.43	659.58	
250	566.28	595.45	
255	505.19	531.41	
260	444.74	468.07	
265	385.53	406.07	
270	328.14	346.04	
275	273.14	288.58	
280	221.07	234.32	
285	172.44	183.87	
290	127.75	137.91	
295	87.54	97.34	
300	52.57	63.82	
305	25.27	41.60	
310	19.13	37.82	
315	33.58	47.64	
320	47.34	59.14	
325	56.47	67.39	
330	60.29	70.95	
335	58.65	69.42	
340	51.60	62.95	
345	39.54	52.44	
350	24.25	40.93	
355	18.86	37.67	

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