

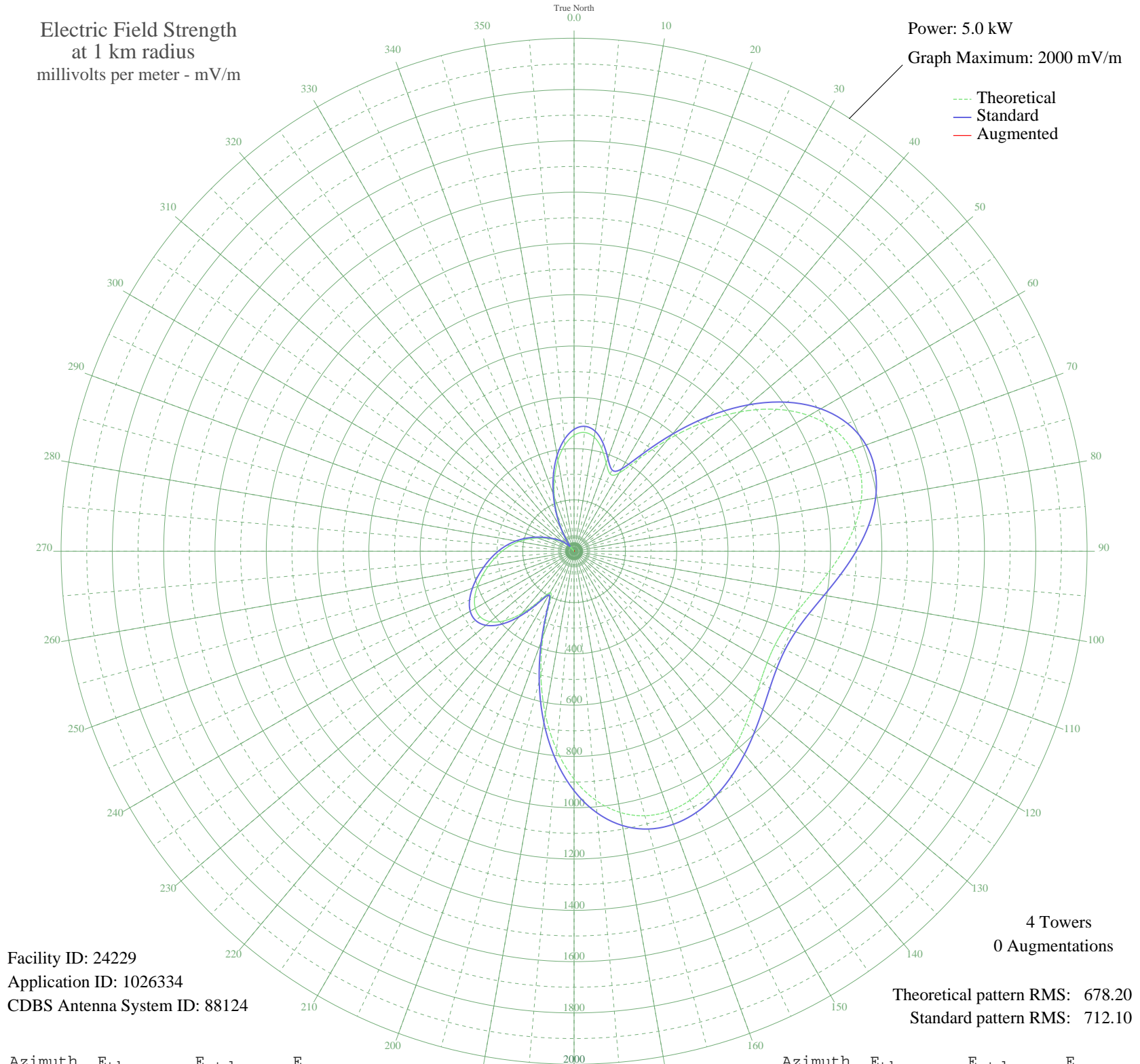
WAFC CAPE CORAL, FL BP-19890214AE 590 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 24229  
Application ID: 1026334  
CDBS Antenna System ID: 88124

Theoretical pattern RMS: 678.20  
Standard pattern RMS: 712.10

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	451.96	475.14	
5	464.86	488.67	
10	451.68	474.84	
15	414.91	436.29	
20	366.13	385.15	
25	332.38	349.79	
30	352.16	370.51	
35	438.28	460.79	
40	566.40	595.18	
45	708.55	744.35	
50	845.42	888.00	
55	964.39	1012.88	
60	1057.54	1110.67	
65	1120.79	1177.07	
70	1153.34	1211.24	
75	1157.20	1215.28	
80	1136.62	1193.68	
85	1097.59	1152.71	
90	1047.19	1099.80	
95	993.00	1042.92	
100	942.37	989.77	
105	901.57	946.94	
110	874.95	918.99	
115	864.34	907.86	
120	869.12	912.87	
125	886.85	931.49	
130	914.23	960.23	
135	947.76	995.42	
140	983.95	1033.41	
145	1019.22	1070.44	
150	1049.69	1102.42	
155	1071.02	1124.82	
160	1078.56	1132.73	
165	1067.62	1121.25	
170	1034.05	1086.00	
175	974.86	1023.87	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	888.94	933.69	
185	777.65	816.87	
190	645.27	677.94	
195	499.58	525.09	
200	353.35	371.76	
205	231.07	243.76	
210	185.47	196.15	
215	236.81	249.76	
220	316.21	332.85	
225	383.36	403.21	
230	427.15	449.12	
235	446.47	469.38	
240	444.72	467.54	
245	427.51	449.50	
250	401.08	421.78	
255	370.81	390.06	
260	340.19	357.97	
265	310.38	326.75	
270	280.81	295.79	
275	250.25	263.81	
280	217.93	230.03	
285	184.23	194.86	
290	150.68	159.95	
295	119.56	127.71	
300	92.95	100.38	
305	71.25	78.41	
310	51.85	59.29	
315	29.74	39.07	
320	0.06	23.48	
325	40.65	48.72	
330	92.80	100.22	
335	155.06	164.49	
340	224.05	236.43	
345	294.75	310.38	
350	360.87	379.64	
355	415.51	436.91	

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