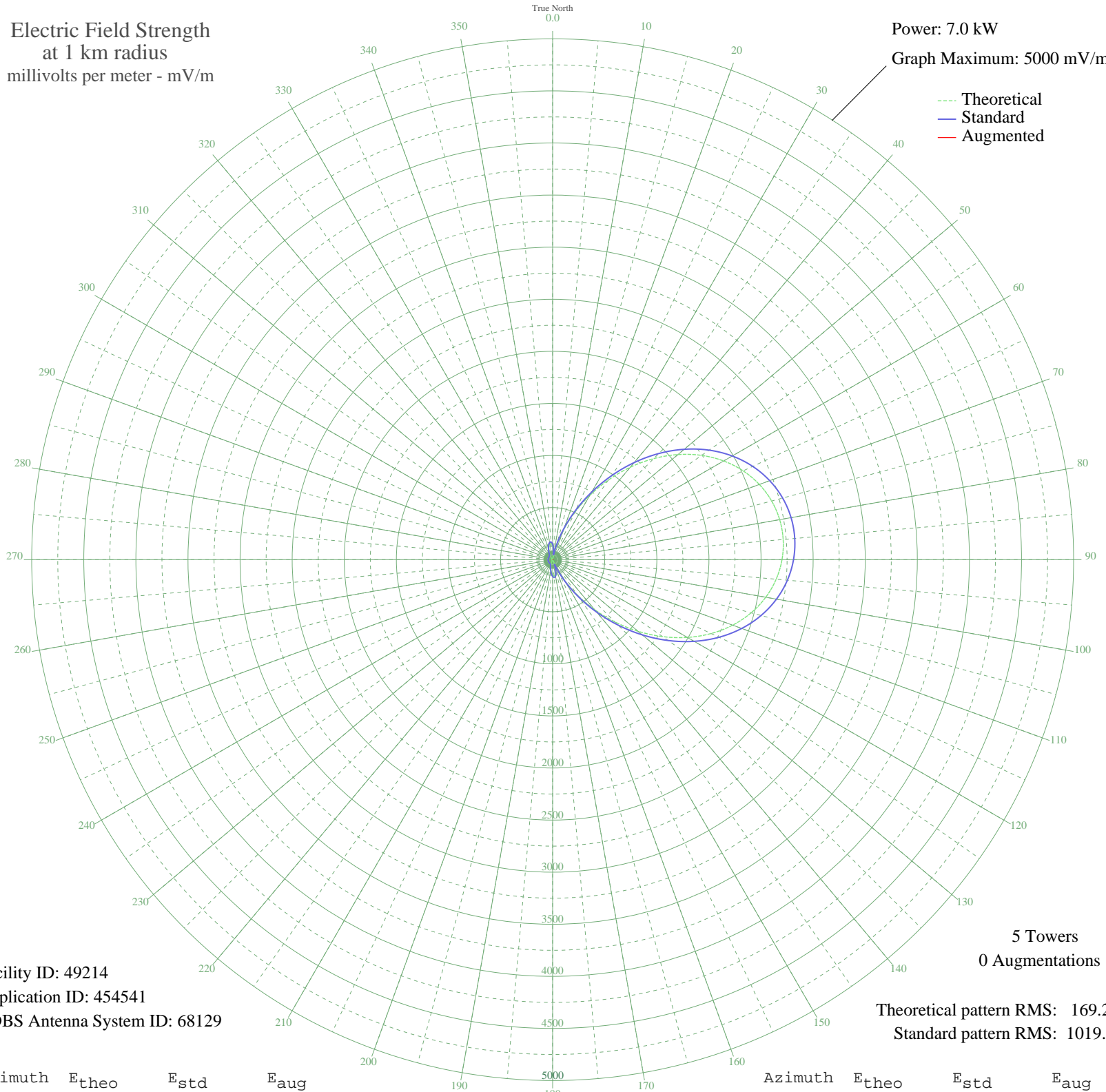


WVOJ ORANGE PARK, FL BMAP-20000201AHL 1570 kHz

Nighttime

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

Power: 7.0 kW
Graph Maximum: 5000 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 49214
Application ID: 454541
CDBS Antenna System ID: 68129

5 Towers
0 Augmentations

Theoretical pattern RMS: 169.20
Standard pattern RMS: 1019.00

Azimuth	E _{theo}	E _{std}	E _{aug}
0	134.89	148.24	
5	79.82	94.56	
10	12.13	45.60	
15	141.69	155.08	
20	306.01	324.28	
25	498.89	525.66	
30	711.74	748.61	
35	934.69	982.40	
40	1157.77	1216.44	
45	1371.90	1441.16	
50	1569.60	1648.66	
55	1745.28	1833.07	
60	1895.25	1990.49	
65	2017.46	2118.78	
70	2111.06	2217.05	
75	2176.01	2285.23	
80	2212.55	2323.59	
85	2220.96	2332.42	
90	2201.32	2311.80	
95	2153.46	2261.55	
100	2077.07	2181.36	
105	1971.98	2071.04	
110	1838.51	1930.93	
115	1677.93	1762.37	
120	1492.89	1568.15	
125	1287.84	1352.94	
130	1069.13	1123.44	
135	844.95	888.28	
140	624.82	657.53	
145	418.82	441.94	
150	236.44	252.10	
155	85.45	99.84	
160	29.22	53.47	
165	106.10	119.71	
170	147.44	160.88	
175	158.66	172.25	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	147.45	160.89	
185	122.40	135.78	
190	91.71	105.78	
195	61.99	78.45	
200	37.67	59.01	
205	20.78	48.93	
210	11.27	45.36	
215	7.59	44.51	
220	7.45	44.48	
225	8.61	44.71	
230	9.29	44.86	
235	8.46	44.68	
240	5.88	44.22	
245	2.10	43.85	
250	2.83	43.89	
255	6.68	44.35	
260	9.24	44.85	
265	9.88	45.00	
270	8.43	44.67	
275	5.24	44.13	
280	1.34	43.81	
285	3.67	43.96	
290	7.10	44.42	
295	9.00	44.80	
300	9.16	44.83	
305	8.12	44.61	
310	7.23	44.44	
315	8.50	44.69	
320	14.26	46.28	
325	26.61	51.95	
330	46.57	65.64	
335	73.42	88.66	
340	104.19	117.84	
345	133.53	146.89	
350	154.08	167.60	
355	157.33	170.90	

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.

15 Feb 2012

Prepared by Audio Division, Media Bureau
Federal Communications Commission