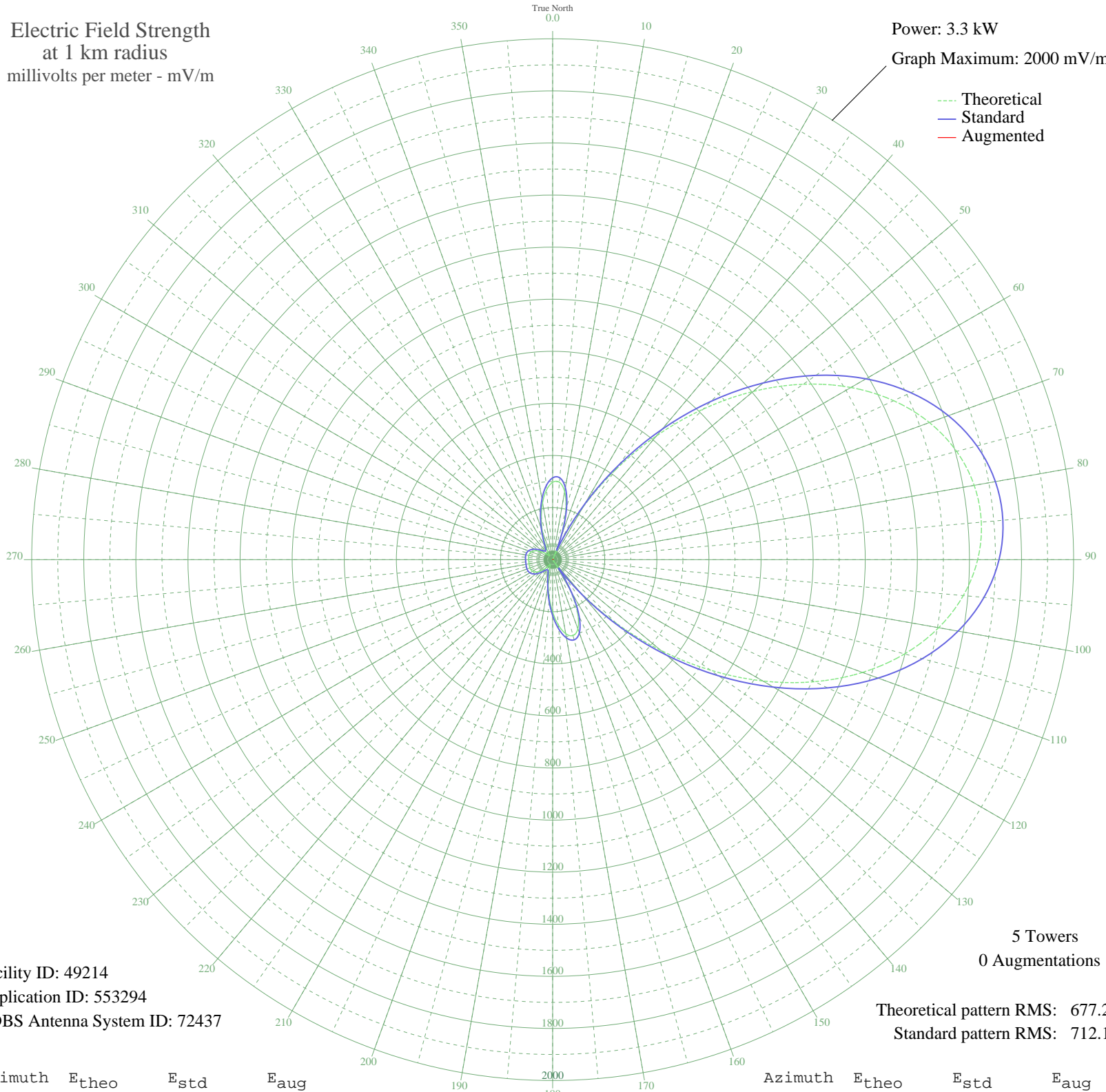


WVOJ ORANGE PARK, FL BMAP-20000201AHL 1570 kHz

Nighttime

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

Power: 3.3 kW
Graph Maximum: 2000 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 49214
Application ID: 553294
CDBS Antenna System ID: 72437

5 Towers
0 Augmentations

Theoretical pattern RMS: 677.20
Standard pattern RMS: 712.10

Azimuth	E _{theo}	E _{std}	E _{aug}
0	297.06	314.22	
5	298.23	315.44	
10	264.92	280.75	
15	193.27	206.46	
20	83.31	95.38	
25	61.09	74.56	
30	232.84	247.42	
35	422.86	445.62	
40	621.13	653.29	
45	817.94	859.67	
50	1004.70	1055.62	
55	1174.48	1233.79	
60	1322.21	1388.84	
65	1444.48	1517.18	
70	1539.31	1616.72	
75	1605.72	1686.43	
80	1643.31	1725.89	
85	1651.99	1735.00	
90	1631.74	1713.75	
95	1582.60	1662.16	
100	1504.75	1580.45	
105	1398.78	1469.21	
110	1266.02	1329.86	
115	1108.97	1165.04	
120	931.68	979.00	
125	739.97	777.90	
130	541.47	569.81	
135	345.29	364.55	
140	161.41	173.69	
145	1.47	38.03	
150	131.72	143.43	
155	226.62	240.96	
160	282.72	299.27	
165	301.56	318.91	
170	288.46	305.26	
175	251.68	266.98	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	201.07	214.52	
185	146.57	158.52	
190	96.70	108.41	
195	57.53	71.36	
200	32.15	50.82	
205	20.77	43.81	
210	21.38	44.13	
215	30.55	49.73	
220	44.37	60.12	
225	59.27	72.92	
230	72.56	85.14	
235	82.67	94.75	
240	89.11	100.99	
245	92.27	104.07	
250	93.09	104.87	
255	92.68	104.46	
260	92.05	103.85	
265	91.86	103.67	
270	92.27	104.07	
275	92.92	104.70	
280	92.97	104.75	
285	91.35	103.17	
290	86.96	98.90	
295	79.06	91.30	
300	67.57	80.48	
305	53.38	67.71	
310	38.53	55.50	
315	26.11	46.85	
320	19.90	43.36	
325	23.73	45.44	
330	40.57	57.08	
335	71.65	84.28	
340	115.64	127.23	
345	168.25	180.70	
350	222.32	236.51	
355	268.62	284.60	

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