

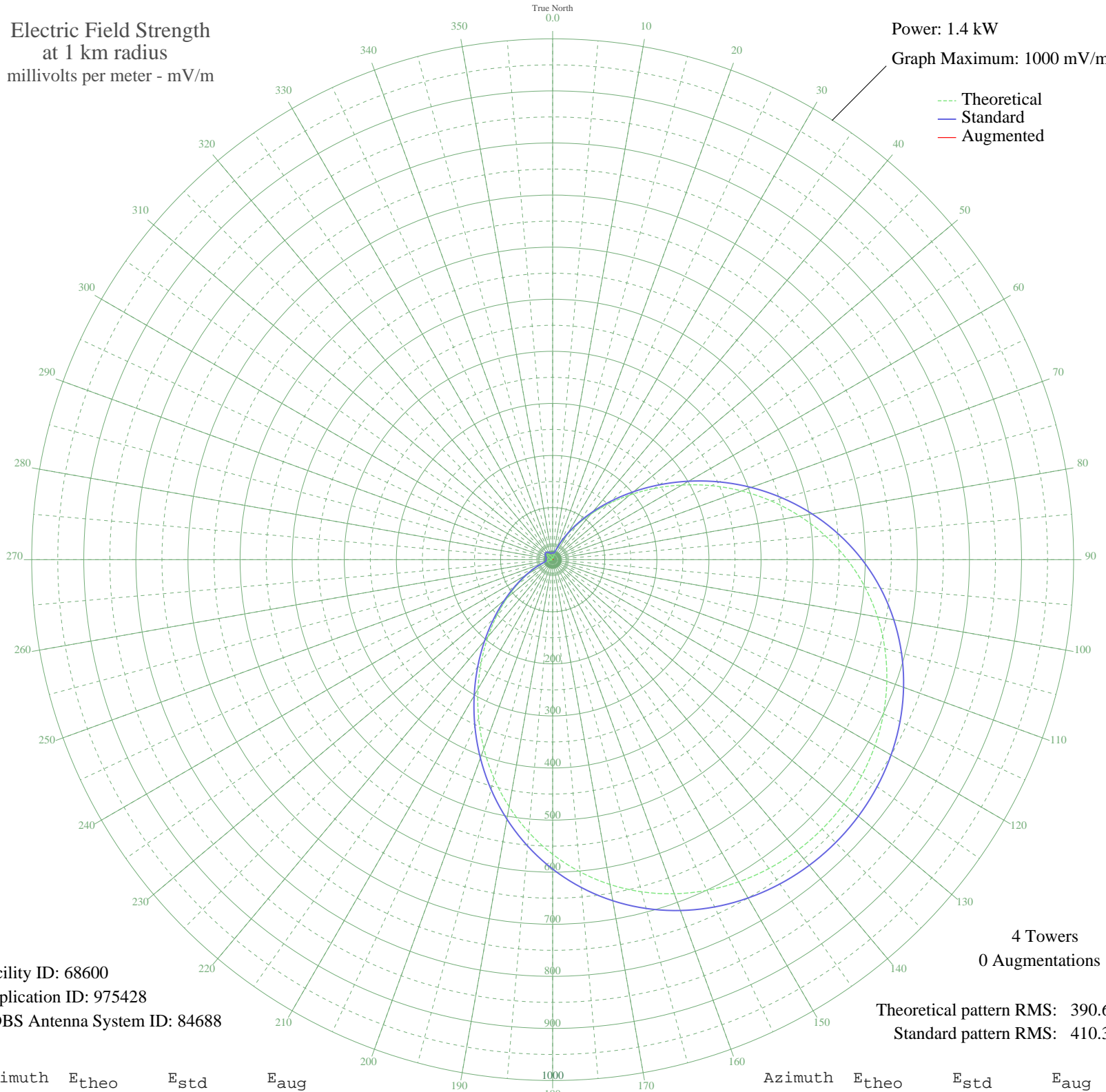
WWWJ PORTSMOUTH, VA BMJP-20040130BHT 720 kHz

Nighttime

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

Power: 1.4 kW
Graph Maximum: 1000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 68600
Application ID: 975428
CDBS Antenna System ID: 84688

4 Towers
0 Augmentations

Theoretical pattern RMS: 390.60
Standard pattern RMS: 410.30

Azimuth	E _{theo}	E _{std}	E _{aug}
0	4.89	13.45	
5	3.95	13.10	
10	0.69	12.45	
15	6.83	14.35	
20	18.03	22.65	
25	34.01	37.82	
30	55.23	59.31	
35	81.91	86.90	
40	114.03	120.37	
45	151.28	159.33	
50	193.06	203.09	
55	238.52	250.75	
60	286.61	301.20	
65	336.16	353.19	
70	385.94	405.43	
75	434.77	456.68	
80	481.57	505.80	
85	525.42	551.83	
90	565.61	594.02	
95	601.64	631.84	
100	633.20	664.97	
105	660.17	693.29	
110	682.58	716.82	
115	700.56	735.69	
120	714.26	750.08	
125	723.88	760.18	
130	729.58	766.16	
135	731.47	768.15	
140	729.58	766.16	
145	723.88	760.18	
150	714.26	750.08	
155	700.56	735.69	
160	682.58	716.82	
165	660.17	693.29	
170	633.20	664.97	
175	601.64	631.84	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	565.61	594.02	
185	525.42	551.83	
190	481.57	505.80	
195	434.77	456.68	
200	385.94	405.43	
205	336.16	353.19	
210	286.61	301.20	
215	238.52	250.75	
220	193.06	203.09	
225	151.28	159.33	
230	114.03	120.37	
235	81.91	86.90	
240	55.23	59.31	
245	34.01	37.82	
250	18.03	22.65	
255	6.83	14.35	
260	0.69	12.45	
265	3.95	13.10	
270	4.89	13.45	
275	3.90	13.08	
280	1.63	12.55	
285	1.36	12.51	
290	4.54	13.31	
295	7.58	14.76	
300	10.19	16.40	
305	12.17	17.83	
310	13.41	18.78	
315	13.83	19.11	
320	13.41	18.78	
325	12.17	17.83	
330	10.19	16.40	
335	7.58	14.76	
340	4.54	13.31	
345	1.36	12.51	
350	1.63	12.55	
355	3.90	13.08	

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau
Federal Communications Commission