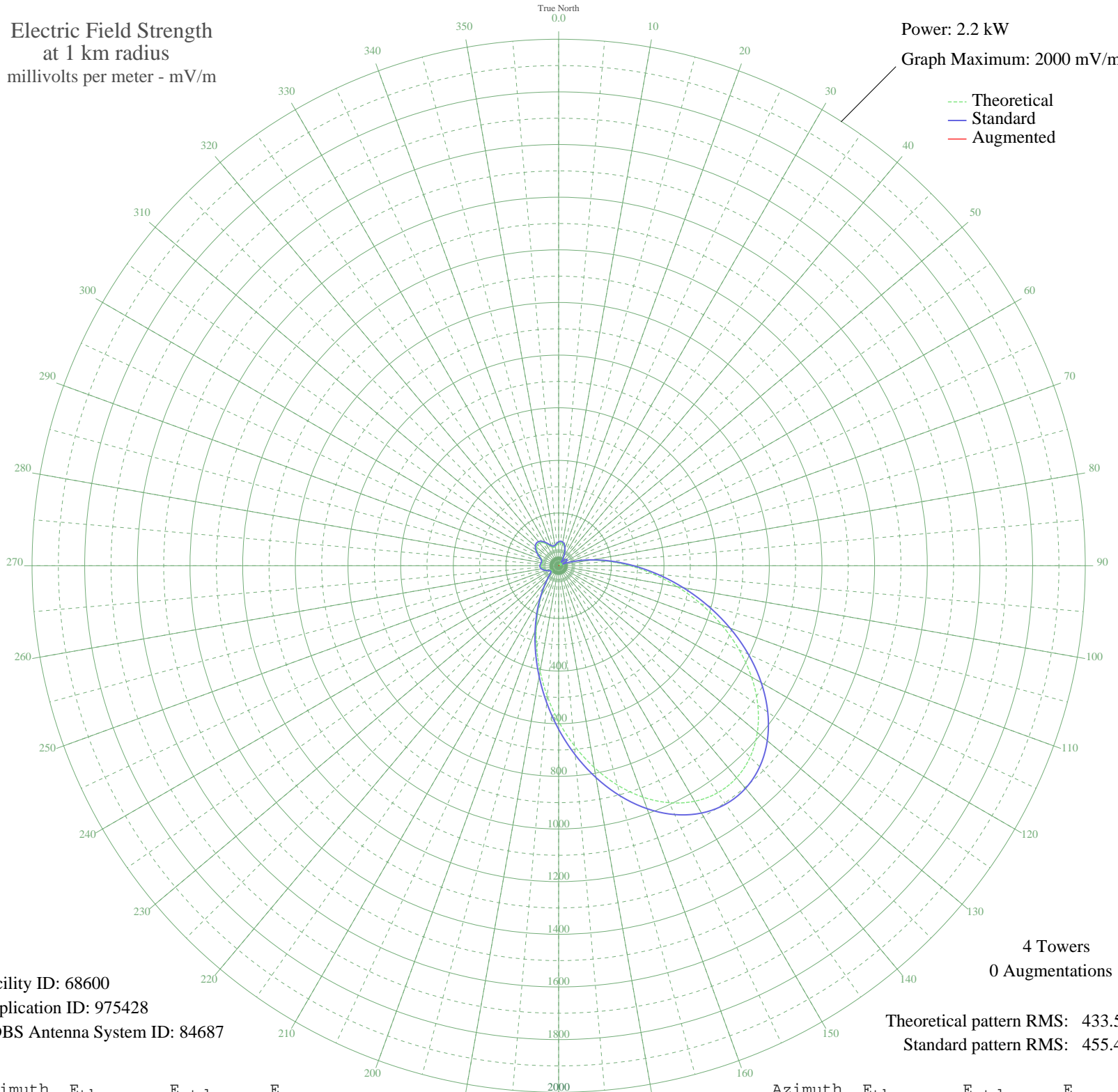


# WWWJ PORTSMOUTH, VA BMJP-20040130BHT 720 kHz

Daytime

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

Power: 2.2 kW  
Graph Maximum: 2000 mV/m



Facility ID: 68600  
Application ID: 975428  
CDBS Antenna System ID: 84687

4 Towers  
0 Augmentations  
Theoretical pattern RMS: 433.50  
Standard pattern RMS: 455.40

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	85.33	90.94	
5	87.78	93.47	
10	85.43	91.05	
15	77.78	83.14	
20	65.16	70.17	
25	48.57	53.32	
30	29.49	34.66	
35	9.72	18.62	
40	8.70	18.06	
45	23.67	29.33	
50	33.10	38.08	
55	34.98	39.90	
60	27.52	32.83	
65	9.34	18.40	
70	21.60	27.51	
75	64.82	69.82	
80	121.14	128.14	
85	190.05	200.16	
90	270.43	284.37	
95	360.42	378.76	
100	457.48	480.61	
105	558.41	586.54	
110	659.51	692.66	
115	756.75	794.74	
120	846.00	888.44	
125	923.29	969.58	
130	985.06	1034.43	
135	1028.42	1079.96	
140	1051.37	1104.05	
145	1052.90	1105.66	
150	1033.13	1084.90	
155	993.22	1043.00	
160	935.35	982.24	
165	862.51	905.76	
170	778.28	817.34	
175	686.62	721.12	

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.

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	591.56	621.34	
185	496.96	522.04	
190	406.31	426.91	
195	322.53	339.02	
200	247.91	260.77	
205	184.01	193.83	
210	131.67	139.13	
215	91.07	96.88	
220	61.77	66.70	
225	42.84	47.60	
230	32.91	37.90	
235	30.32	35.44	
240	33.22	38.20	
245	39.67	44.47	
250	47.75	52.50	
255	55.68	60.51	
260	61.99	66.93	
265	65.65	70.67	
270	66.31	71.35	
275	64.55	69.54	
280	62.13	67.07	
285	61.90	66.83	
290	66.45	71.49	
295	75.96	81.27	
300	88.17	93.87	
305	100.07	106.23	
310	109.16	115.67	
315	113.70	120.39	
320	112.87	119.53	
325	106.86	113.28	
330	96.91	102.94	
335	85.44	91.05	
340	75.89	81.20	
345	71.73	76.91	
350	73.89	79.13	
355	79.71	85.14	

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission