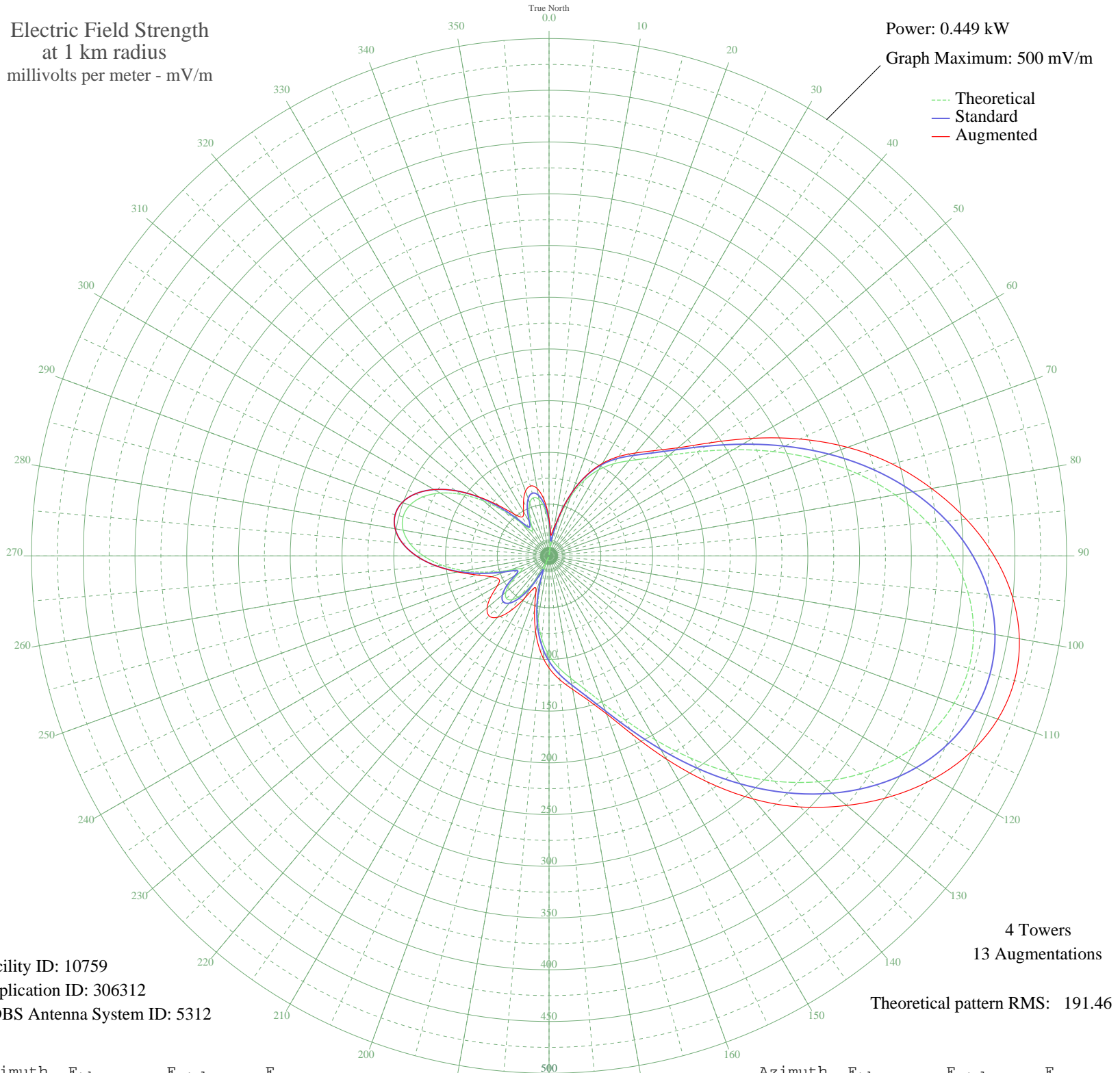


# WRJR PORTSMOUTH, VA BL-- 1010 kHz

Nighttime

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

Power: 0.449 kW  
Graph Maximum: 500 mV/m



Facility ID: 10759  
Application ID: 306312  
CDBS Antenna System ID: 5312

4 Towers  
13 Augmentations  
Theoretical pattern RMS: 191.46

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	29.36	33.89	35.90
5	8.73	16.80	19.88
10	14.78	20.96	27.60
15	38.70	43.01	43.01
20	61.13	65.71	65.73
25	80.47	85.66	86.22
30	96.08	101.86	103.31
35	108.58	114.88	117.24
40	119.98	126.77	129.79
45	133.28	140.65	143.88
50	151.31	159.50	162.52
55	175.45	184.76	190.77
60	205.17	215.88	227.23
65	238.65	250.98	267.25
70	273.63	287.65	306.86
75	307.90	323.61	343.21
80	339.61	356.87	375.28
85	367.27	385.89	404.74
90	389.76	409.50	429.97
95	406.33	426.88	449.27
100	416.45	437.50	461.38
105	419.86	441.07	465.50
110	416.45	437.50	461.38
115	406.33	426.88	449.27
120	389.77	409.50	429.97
125	367.27	385.89	404.74
130	339.61	356.87	375.28
135	307.90	323.61	343.20
140	273.63	287.65	306.65
145	238.65	250.98	266.73
150	205.17	215.89	226.68
155	175.45	184.76	190.46
160	151.31	159.50	162.49
165	133.28	140.65	144.04
170	119.98	126.77	130.99
175	108.58	114.88	120.21

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	96.08	101.86	108.36
185	80.47	85.66	93.29
190	61.13	65.71	74.57
195	38.71	43.01	54.00
200	14.78	20.96	37.05
205	8.73	16.80	34.21
210	29.35	33.89	47.21
215	45.33	49.64	64.77
220	55.19	59.64	77.49
225	58.18	62.69	82.00
230	54.43	58.86	78.11
235	45.14	49.45	68.57
240	33.70	38.08	57.68
245	29.10	33.65	53.40
250	40.42	44.71	58.88
255	60.68	65.26	71.54
260	82.81	88.08	89.50
265	103.62	109.71	109.71
270	121.33	128.18	128.18
275	134.76	142.20	142.20
280	143.12	150.93	150.93
285	145.95	153.89	153.89
290	143.12	150.93	150.93
295	134.76	142.20	142.20
300	121.33	128.18	128.18
305	103.62	109.71	109.71
310	82.81	88.08	88.88
315	60.68	65.26	68.85
320	40.42	44.71	53.14
325	29.10	33.65	45.80
330	33.70	38.08	49.14
335	45.14	49.45	58.36
340	54.43	58.86	66.50
345	58.18	62.69	69.91
350	55.19	59.64	66.13
355	45.33	49.64	54.25

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.

09 Nov 2008

Prepared by Audio Division, Media Bureau  
Federal Communications Commission