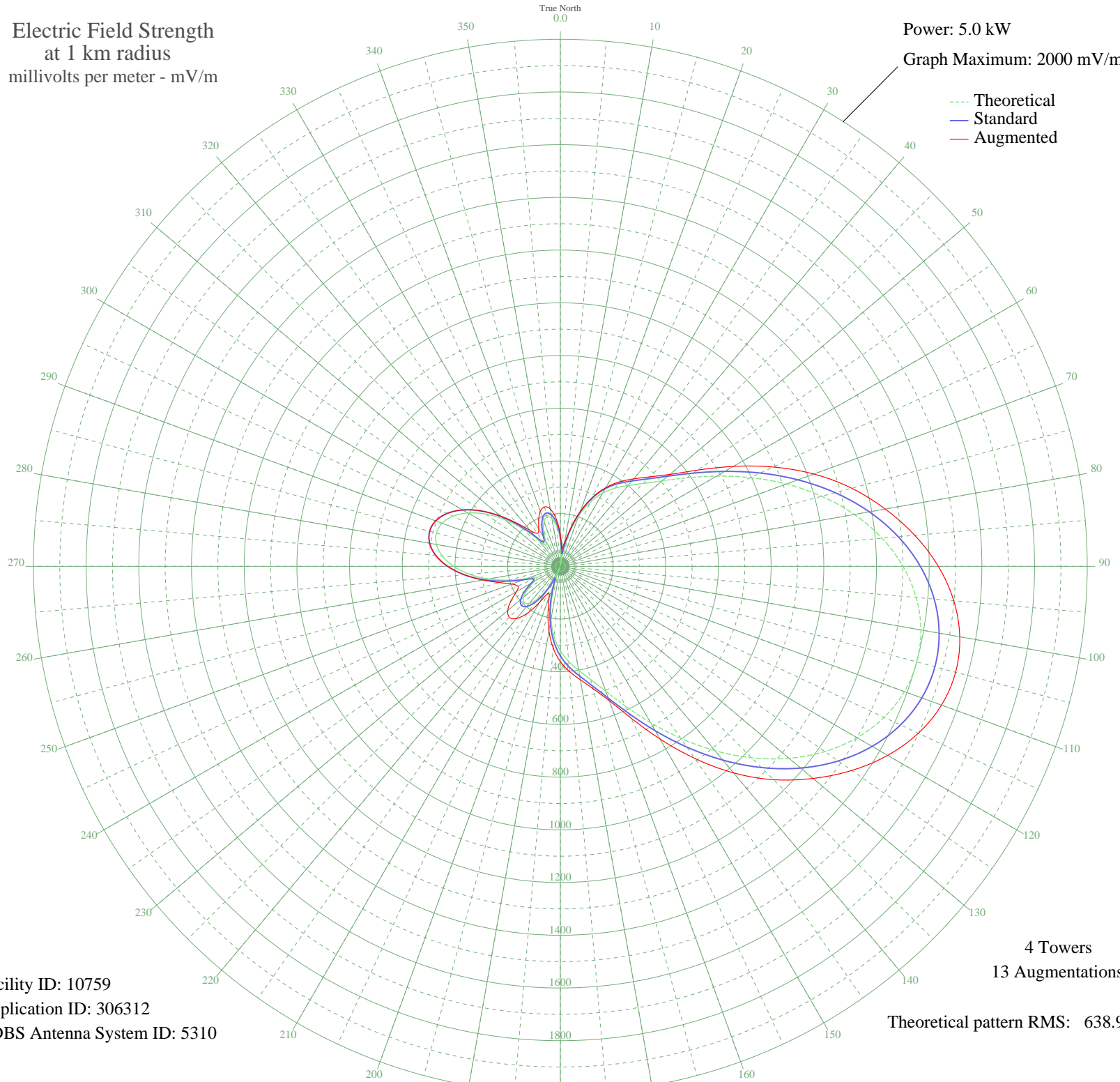


# WRJR PORTSMOUTH, VA BL-- 1010 kHz

Daytime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



--- Theoretical  
— Standard  
— Augmented

Facility ID: 10759  
Application ID: 306312  
CDBS Antenna System ID: 5310

4 Towers  
13 Augmentations

Theoretical pattern RMS: 638.91

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	97.96	113.09	119.81
5	29.12	56.08	66.33
10	49.31	69.93	92.18
15	129.16	143.53	143.53
20	203.98	219.28	219.35
25	268.52	285.84	287.72
30	320.62	339.92	344.77
35	362.34	383.35	391.27
40	400.38	423.02	433.18
45	444.75	469.35	480.17
50	504.92	532.25	542.39
55	585.48	616.54	636.62
60	684.65	720.42	758.27
65	796.39	837.53	891.78
70	913.10	959.91	1023.96
75	1027.49	1079.88	1145.25
80	1133.29	1190.89	1252.27
85	1225.58	1287.72	1350.58
90	1300.66	1366.50	1434.76
95	1355.93	1424.51	1499.16
100	1389.72	1459.96	1539.55
105	1401.08	1471.88	1553.31
110	1389.72	1459.96	1539.55
115	1355.93	1424.51	1499.14
120	1300.66	1366.50	1434.72
125	1225.59	1287.72	1350.52
130	1133.30	1190.89	1252.19
135	1027.49	1079.88	1145.12
140	913.10	959.91	1023.17
145	796.39	837.53	889.97
150	684.65	720.42	756.37
155	585.48	616.55	635.58
160	504.92	532.25	542.27
165	444.75	469.35	480.72
170	400.38	423.02	437.13
175	362.34	383.35	401.10

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	320.62	339.92	361.54
185	268.52	285.84	311.21
190	203.98	219.28	248.74
195	129.16	143.53	180.08
200	49.31	69.93	123.49
205	29.12	56.08	114.00
210	97.96	113.09	157.46
215	151.28	165.66	216.08
220	184.17	199.01	258.54
225	194.15	209.21	273.59
230	181.62	196.41	260.60
235	150.65	165.01	228.80
240	112.44	127.08	192.49
245	97.12	112.29	178.23
250	134.87	149.22	196.51
255	202.50	217.76	238.74
260	276.33	293.93	298.67
265	345.79	366.11	366.11
270	404.90	427.73	427.73
275	449.70	474.52	474.52
280	477.58	503.66	503.66
285	487.04	513.55	513.55
290	477.58	503.66	503.66
295	449.70	474.52	474.52
300	404.90	427.73	427.73
305	345.79	366.11	366.11
310	276.33	293.93	296.60
315	202.50	217.76	229.79
320	134.87	149.22	177.36
325	97.12	112.29	152.89
330	112.44	127.08	164.02
335	150.65	165.01	194.82
340	181.62	196.41	221.98
345	194.15	209.21	233.35
350	184.17	199.01	220.73
355	151.28	165.66	181.06

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission