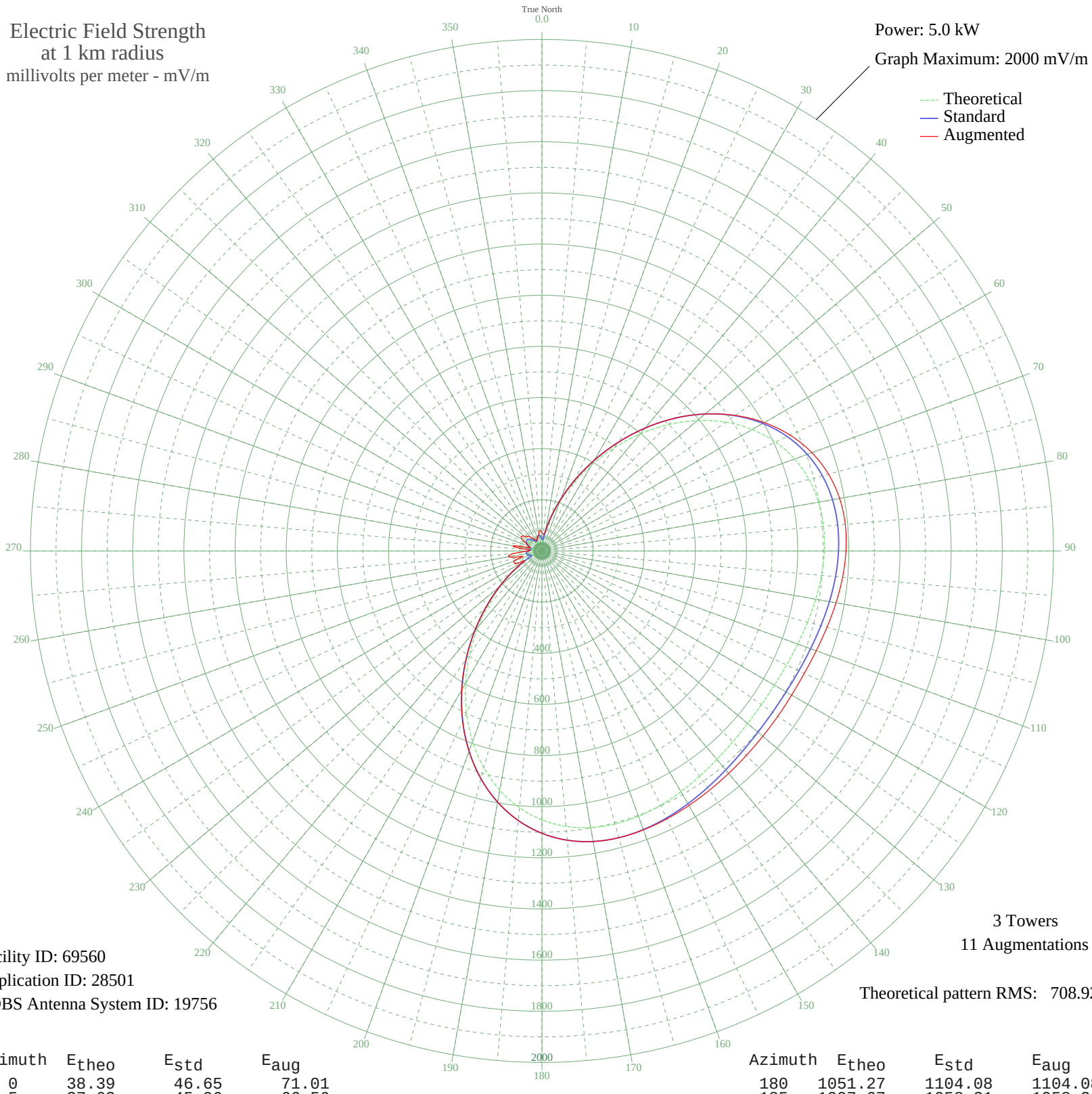
WGPL PORTSMOUTH, VA BL-19810309AT 1350 kHz

Nighttime

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



Power: 5.0 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented

3 Towers
11 Augmentations

Facility ID: 69560
Application ID: 28501
CDBS Antenna System ID: 19756

Theoretical pattern RMS: 708.92

Azimuth	E_{theo}	E_{std}	E_{aug}
0	38.39	46.65	71.01
5	37.63	45.96	66.56
10	71.52	78.68	79.33
15	129.72	138.21	138.21
20	204.46	215.96	215.96
25	292.18	307.68	307.68
30	389.45	409.60	409.60
35	492.41	517.56	517.56
40	596.80	627.08	627.08
45	698.35	733.64	733.64
50	793.08	833.07	833.07
55	877.68	921.86	923.73
60	949.68	997.44	1004.00
65	1007.67	1058.31	1071.04
70	1051.27	1104.08	1123.22
75	1081.07	1135.36	1160.03
80	1098.45	1153.61	1181.99
85	1105.37	1160.87	1190.53
90	1104.13	1159.57	1188.73
95	1097.16	1152.26	1180.15
100	1086.82	1141.40	1167.58
105	1075.26	1129.26	1153.78
110	1064.30	1117.76	1141.24
115	1055.42	1108.44	1131.97
120	1049.67	1102.41	1127.30
125	1047.68	1100.32	1126.24
130	1049.67	1102.41	1127.30
135	1055.42	1108.44	1130.45
140	1064.30	1117.76	1135.47
145	1075.26	1129.26	1141.97
150	1086.82	1141.40	1149.18
155	1097.16	1152.26	1155.92
160	1104.13	1159.57	1160.52
165	1105.37	1160.87	1160.87
170	1098.45	1153.61	1153.61
175	1081.07	1135.36	1135.36

Azimuth	E_{theo}	E_{std}	E_{aug}
180	1051.27	1104.08	1104.08
185	1007.67	1058.31	1058.31
190	949.68	997.44	997.44
195	877.68	921.86	921.86
200	793.08	833.07	833.07
205	698.35	733.64	733.64
210	596.80	627.08	627.08
215	492.41	517.56	517.56
220	389.45	409.60	409.60
225	292.18	307.68	307.68
230	204.46	215.96	215.96
235	129.72	138.21	138.21
240	71.52	78.68	78.68
245	37.63	45.96	117.76
250	38.39	46.65	118.40
255	49.66	57.19	82.11
260	54.73	62.08	131.62
265	52.47	59.88	108.34
270	45.31	53.06	53.06
275	37.43	45.78	48.72
280	34.41	43.09	113.74
285	39.14	47.33	47.33
290	48.14	55.74	55.74
295	56.96	64.25	66.59
300	63.04	70.24	88.33
305	65.19	72.36	98.97
310	63.04	70.24	88.81
315	56.96	64.25	79.67
320	48.14	55.74	71.13
325	39.14	47.33	59.55
330	34.41	43.09	47.54
335	37.43	45.78	45.78
340	45.31	53.06	53.06
345	52.47	59.88	59.88
350	54.73	62.08	69.59
355	49.66	57.19	80.47

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.

04 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission