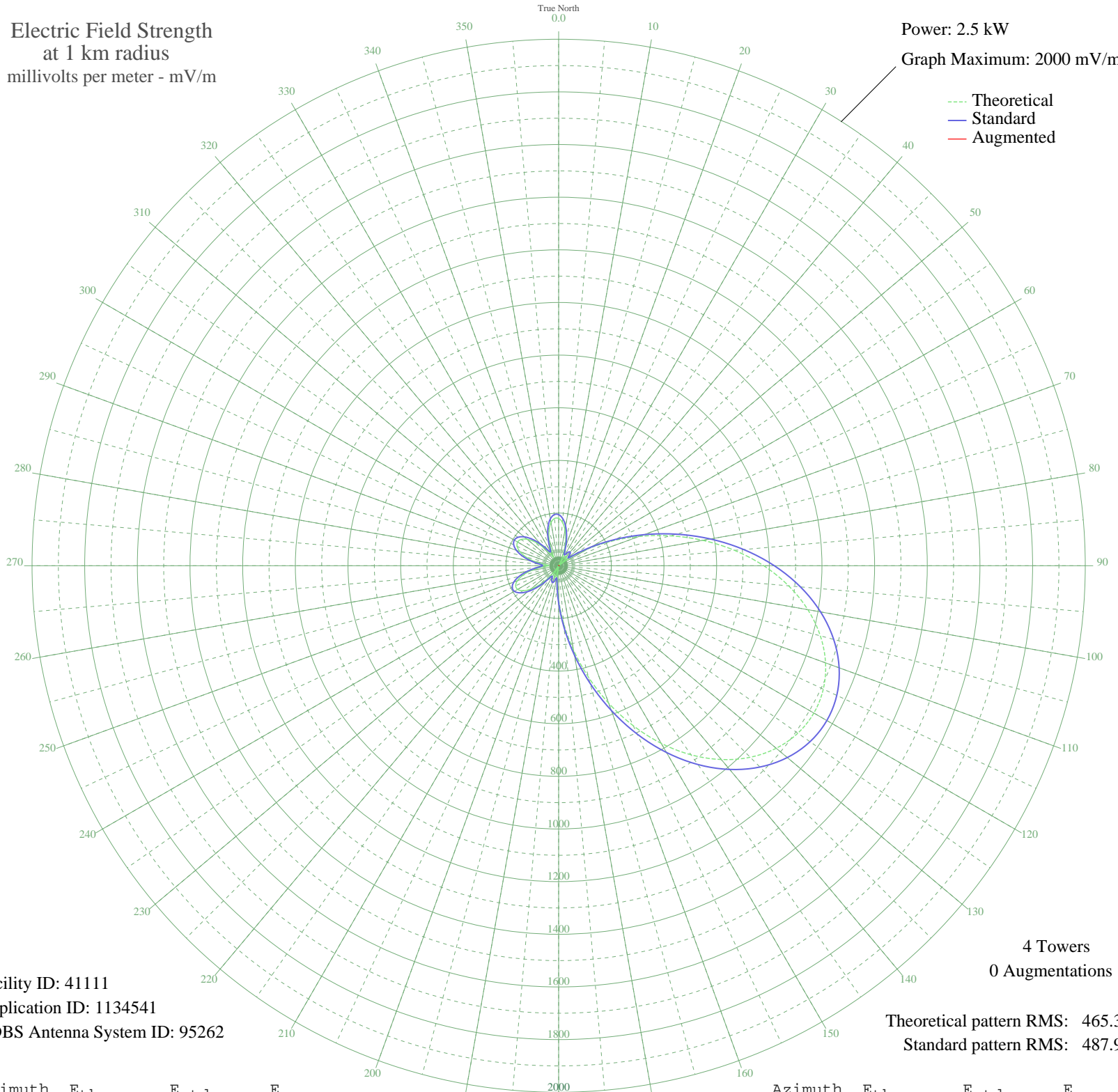


WVBE ROANOKE, VA BP-20040112ABF 610 kHz

Nighttime

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

Power: 2.5 kW
Graph Maximum: 2000 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 41111
Application ID: 1134541
CDBS Antenna System ID: 95262

4 Towers
0 Augmentations

Theoretical pattern RMS: 465.38
Standard pattern RMS: 487.96

Azimuth	E _{theo}	E _{std}	E _{aug}
0	179.74	194.24	
5	165.31	179.55	
10	138.42	152.42	
15	102.06	116.59	
20	60.58	78.45	
25	19.25	50.17	
30	16.24	48.98	
35	40.34	62.48	
40	48.29	68.41	
45	36.58	59.87	
50	3.99	46.11	
55	52.00	71.34	
60	127.26	141.30	
65	219.73	235.24	
70	325.22	344.55	
75	438.90	463.12	
80	555.65	585.24	
85	670.51	705.53	
90	778.88	819.12	
95	876.81	921.79	
100	961.01	1010.11	
105	1028.94	1081.36	
110	1078.71	1133.58	
115	1109.06	1165.42	
120	1119.26	1176.12	
125	1109.06	1165.42	
130	1078.71	1133.58	
135	1028.94	1081.36	
140	961.01	1010.11	
145	876.81	921.79	
150	778.88	819.12	
155	670.51	705.53	
160	555.65	585.24	
165	438.90	463.12	
170	325.22	344.55	
175	219.73	235.24	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	127.26	141.30	
185	52.00	71.34	
190	3.99	46.11	
195	36.58	59.87	
200	48.29	68.41	
205	40.34	62.48	
210	16.24	48.98	
215	19.25	50.17	
220	60.58	78.45	
225	102.06	116.59	
230	138.42	152.42	
235	165.31	179.55	
240	179.74	194.24	
245	180.21	194.71	
250	166.78	181.04	
255	140.96	154.97	
260	105.72	120.13	
265	66.16	83.28	
270	37.78	60.69	
275	55.27	74.00	
280	93.01	107.92	
285	128.60	142.62	
290	156.44	170.56	
295	174.03	188.42	
300	180.04	194.54	
305	174.03	188.42	
310	156.44	170.56	
315	128.60	142.62	
320	93.01	107.92	
325	55.27	74.00	
330	37.78	60.69	
335	66.17	83.28	
340	105.72	120.13	
345	140.96	154.97	
350	166.78	181.04	
355	180.21	194.71	

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission