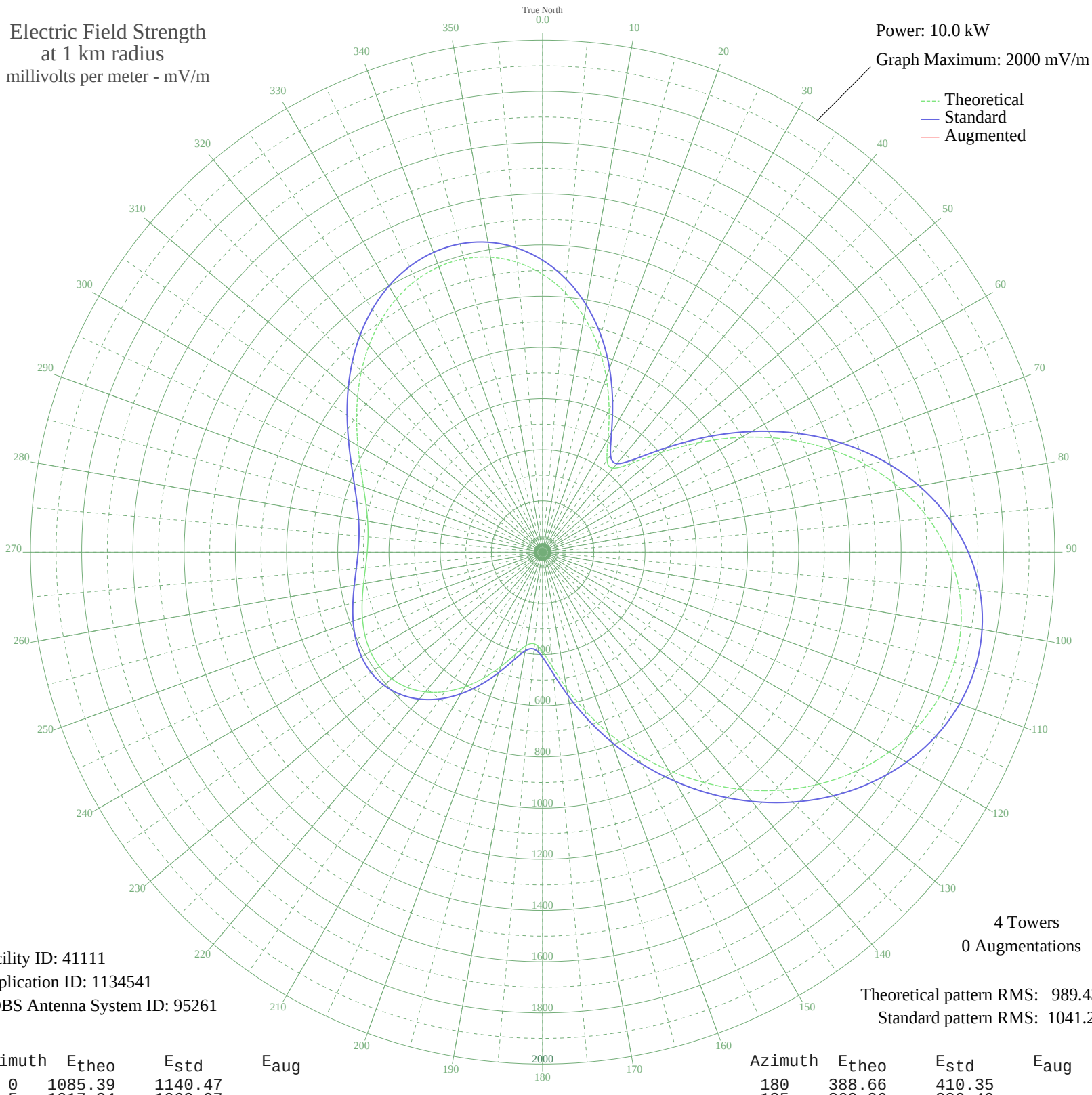
WVBE ROANOKE, VA BP-20040112ABF 610 kHz

Daytime

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



Power: 10.0 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented

4 Towers
0 Augmentations

Facility ID: 41111
Application ID: 1134541
CDBS Antenna System ID: 95261

Theoretical pattern RMS: 989.43
Standard pattern RMS: 1041.24

Azimuth	E_{theo}	E_{std}	E_{aug}
0	1085.39	1140.47	
5	1017.34	1069.07	
10	933.21	980.81	
15	835.05	877.85	
20	726.53	764.06	
25	614.29	646.44	
30	510.81	538.07	
35	438.71	462.65	
40	428.09	451.54	
45	490.42	516.73	
50	605.23	636.94	
55	746.31	784.80	
60	896.27	942.06	
65	1044.58	1097.65	
70	1184.43	1244.39	
75	1311.07	1377.30	
80	1421.13	1492.80	
85	1512.20	1588.39	
90	1582.71	1662.40	
95	1631.76	1713.89	
100	1659.08	1742.57	
105	1664.90	1748.67	
110	1649.91	1732.94	
115	1615.26	1696.57	
120	1562.43	1641.11	
125	1493.26	1568.52	
130	1409.89	1481.01	
135	1314.68	1381.08	
140	1210.16	1271.40	
145	1098.96	1154.71	
150	983.74	1033.82	
155	867.14	911.51	
160	751.95	790.71	
165	641.27	674.70	
170	539.24	567.82	
175	451.97	476.51	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	388.66	410.35	
185	360.06	380.49	
190	370.94	391.85	
195	413.84	436.65	
200	474.94	500.53	
205	542.23	570.96	
210	607.49	639.31	
215	665.42	700.01	
220	712.70	749.57	
225	747.50	786.05	
230	769.24	808.84	
235	778.43	818.48	
240	776.53	816.48	
245	765.77	805.21	
250	748.98	787.60	
255	729.31	766.98	
260	710.06	746.80	
265	694.37	730.36	
270	685.06	720.60	
275	684.36	719.86	
280	693.74	729.70	
285	713.87	750.79	
290	744.53	782.94	
295	784.74	825.09	
300	832.81	875.51	
305	886.56	931.88	
310	943.37	991.47	
315	1000.36	1051.25	
320	1054.52	1108.08	
325	1102.87	1158.81	
330	1142.58	1200.48	
335	1171.10	1230.40	
340	1186.23	1246.28	
345	1186.24	1246.30	
350	1169.87	1229.12	
355	1136.34	1193.93	

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