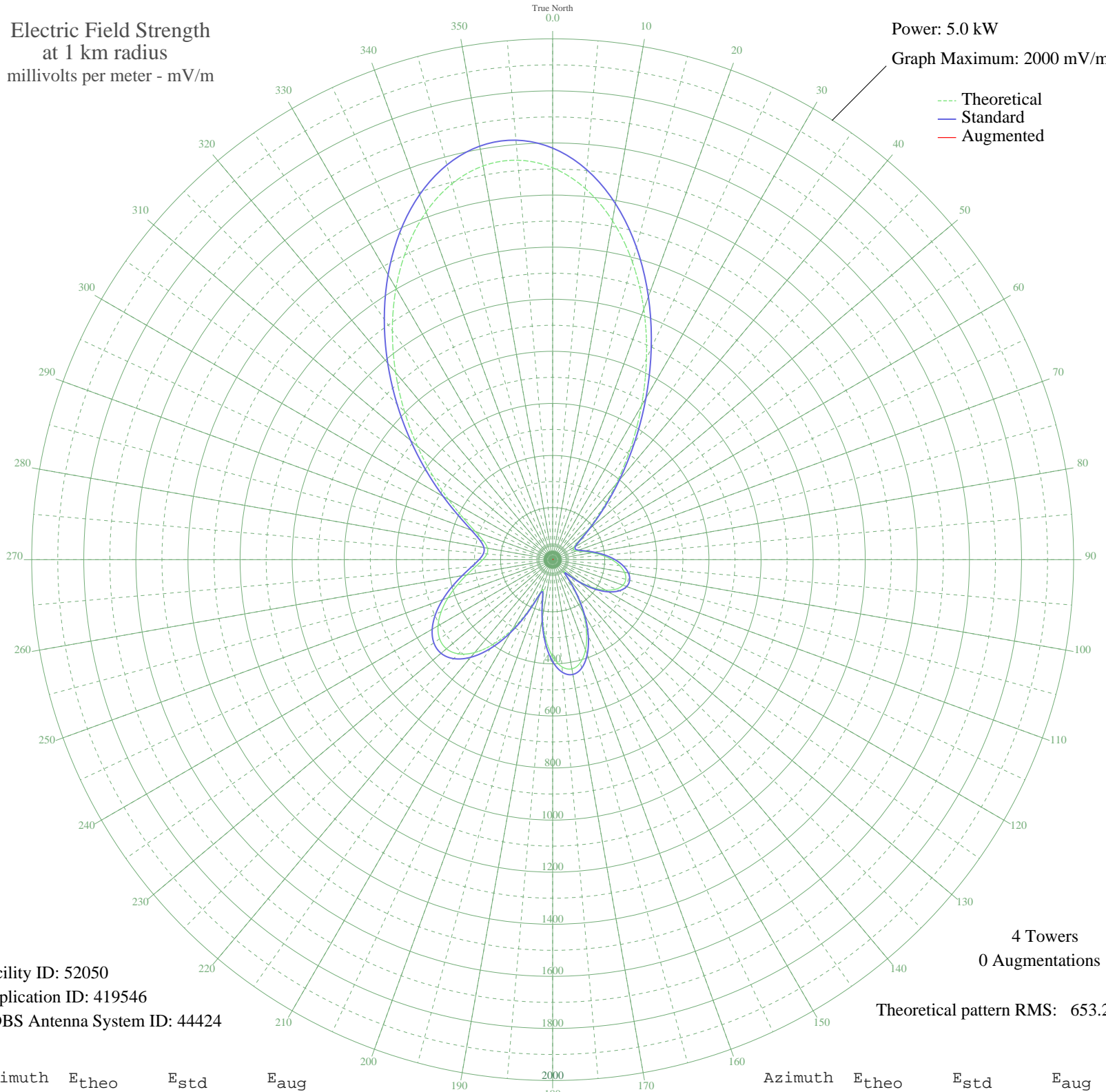


WVNZ RICHMOND, VA BL-- 1320 kHz

Daytime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 52050
Application ID: 419546
CDBS Antenna System ID: 44424

4 Towers
0 Augmentations

Theoretical pattern RMS: 653.23

Azimuth	E _{theo}	E _{std}	E _{aug}
0	1504.91	1580.33	
5	1431.20	1502.94	
10	1321.87	1388.17	
15	1183.05	1242.43	
20	1023.23	1074.65	
25	852.48	895.41	
30	681.47	715.92	
35	520.39	546.91	
40	378.07	397.67	
45	261.29	275.36	
50	174.50	184.73	
55	119.41	127.56	
60	93.35	100.80	
65	88.62	95.96	
70	98.81	106.38	
75	121.57	129.79	
80	153.84	163.23	
85	190.71	201.62	
90	227.02	239.52	
95	258.14	272.06	
100	280.31	295.26	
105	290.61	306.05	
110	286.96	302.22	
115	268.15	282.53	
120	233.94	246.75	
125	185.34	196.02	
130	125.81	134.17	
135	69.36	76.52	
140	79.08	86.29	
145	151.34	160.63	
150	232.36	245.10	
155	307.53	323.76	
160	368.86	388.02	
165	409.93	431.07	
170	425.74	447.64	
175	413.25	434.55	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	372.04	391.35	
185	305.06	321.17	
190	220.34	232.55	
195	139.79	148.65	
200	129.40	137.89	
205	208.19	219.86	
210	306.55	322.74	
215	395.80	416.25	
220	465.58	489.43	
225	511.39	537.47	
230	532.23	559.34	
235	529.85	556.84	
240	508.03	533.95	
245	471.93	496.08	
250	427.29	449.27	
255	379.87	399.55	
260	334.82	352.34	
265	296.45	312.16	
270	268.22	282.61	
275	253.13	266.82	
280	254.26	268.00	
285	274.56	289.24	
290	315.95	332.58	
295	378.64	398.27	
300	461.38	485.02	
305	561.97	590.54	
310	677.50	711.76	
315	804.32	844.86	
320	937.92	985.10	
325	1072.92	1126.81	
330	1203.07	1263.44	
335	1321.44	1387.72	
340	1420.82	1492.05	
345	1494.18	1569.07	
350	1535.36	1612.30	
355	1539.73	1616.89	

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau
Federal Communications Commission