

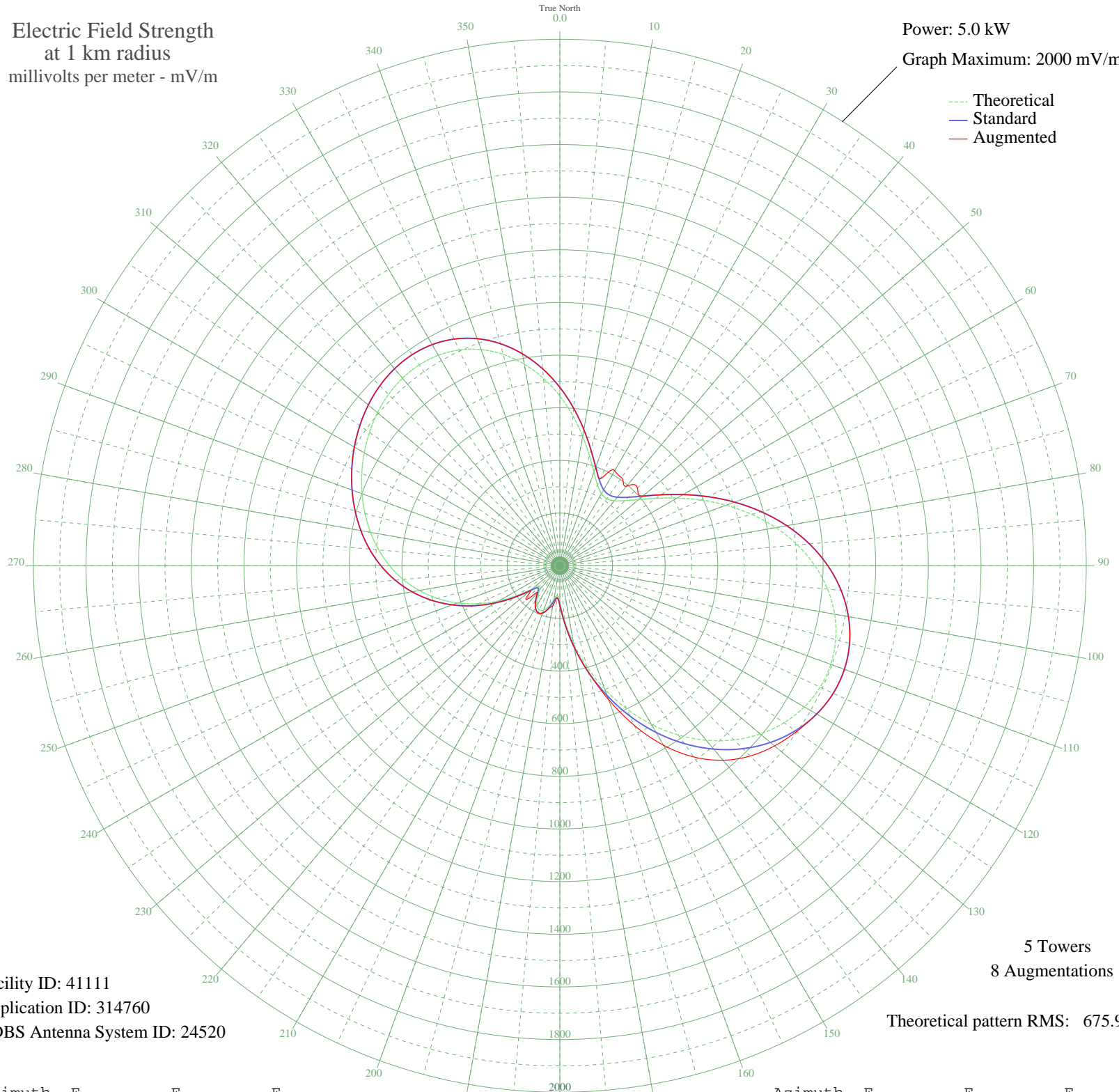
# WVBE ROANOKE, VA BL-- 610 kHz

Daytime

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

Power: 5.0 kW

Graph Maximum: 2000 mV/m



Facility ID: 41111  
Application ID: 314760  
CDBS Antenna System ID: 24520

5 Towers  
8 Augmentations

Theoretical pattern RMS: 675.92

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	644.68	677.54	677.54
5	571.44	600.72	600.72
10	499.33	525.11	525.11
15	433.32	455.92	455.92
20	378.35	398.34	398.34
25	338.52	356.64	363.55
30	316.06	333.15	416.67
35	311.08	327.94	408.85
40	322.44	339.82	393.89
45	349.20	367.83	416.85
50	390.84	411.43	411.43
55	446.48	469.71	469.93
60	514.11	540.61	540.61
65	590.59	620.81	620.81
70	672.01	706.22	706.22
75	754.25	792.50	792.50
80	833.40	875.55	875.55
85	906.02	951.77	951.77
90	969.32	1018.20	1018.20
95	1021.14	1072.60	1072.60
100	1059.98	1113.36	1113.36
105	1084.87	1139.49	1139.49
110	1095.31	1150.45	1150.45
115	1091.19	1146.12	1146.12
120	1072.67	1126.68	1126.68
125	1040.15	1092.54	1098.08
130	994.22	1044.35	1064.76
135	935.69	982.91	1022.28
140	865.55	909.30	964.61
145	785.03	824.80	886.80
150	695.71	731.08	787.22
155	599.54	630.19	668.96
160	498.99	524.76	540.86
165	397.24	418.12	418.72
170	298.47	314.75	314.75
175	208.92	221.30	221.30

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 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	140.05	149.93	149.93
185	112.51	121.70	121.70
190	129.31	138.88	154.50
195	158.69	169.17	169.17
200	179.61	190.85	190.85
205	185.07	196.52	196.52
210	174.04	185.07	185.29
215	149.55	159.73	160.59
220	120.77	130.14	131.94
225	109.25	118.38	182.49
230	137.52	147.33	148.92
235	196.03	207.90	208.56
240	266.99	281.86	282.00
245	340.94	359.18	359.18
250	413.03	434.66	434.66
255	480.56	505.44	505.44
260	542.20	570.06	570.06
265	597.55	628.11	628.11
270	646.87	679.84	679.84
275	690.87	726.00	726.00
280	730.41	767.49	767.49
285	766.39	805.24	805.24
290	799.48	839.96	839.96
295	830.05	872.04	872.04
300	858.09	901.46	901.46
305	883.13	927.75	927.75
310	904.31	949.98	949.98
315	920.42	966.88	966.88
320	929.98	976.92	976.92
325	931.44	978.45	978.45
330	923.30	969.90	969.90
335	904.30	949.97	949.97
340	873.66	917.81	917.81
345	831.23	873.28	873.28
350	777.68	817.09	817.09
355	714.62	750.93	750.93