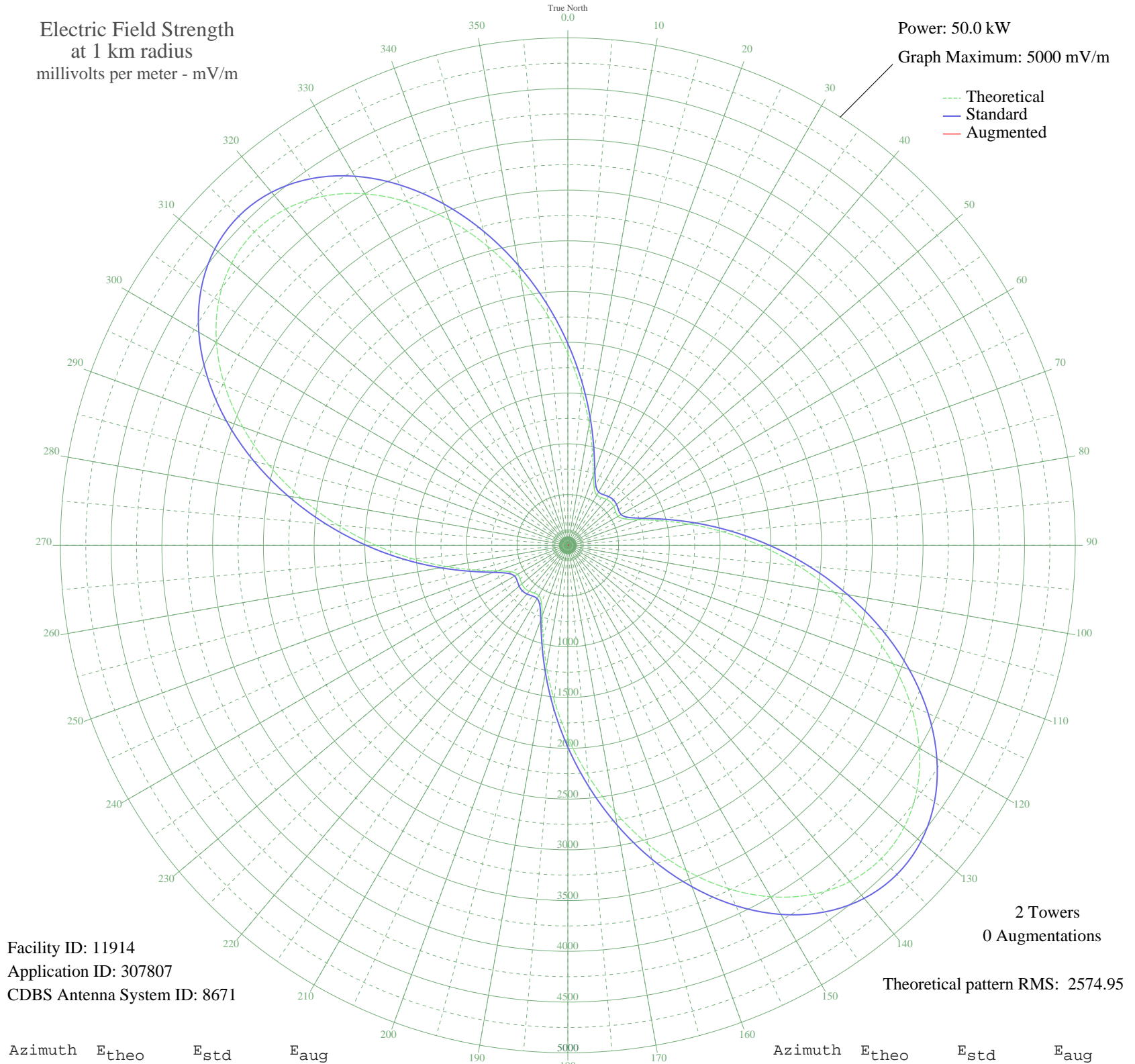


# WRVA RICHMOND, VA BL-- 1140 kHz

Unlimited Time

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

Power: 50.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 11914  
Application ID: 307807  
CDBS Antenna System ID: 8671

2 Towers  
0 Augmentations  
Theoretical pattern RMS: 2574.95

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1891.91	1988.19	
5	1532.10	1610.78	
10	1209.59	1272.70	
15	939.38	989.73	
20	737.46	778.64	
25	616.54	652.50	
30	572.01	606.15	
35	575.01	609.27	
40	591.21	626.13	
45	598.88	634.11	
50	591.21	626.13	
55	575.01	609.27	
60	572.01	606.15	
65	616.54	652.50	
70	737.46	778.64	
75	939.38	989.73	
80	1209.59	1272.70	
85	1532.10	1610.78	
90	1891.91	1988.19	
95	2274.61	2389.74	
100	2665.39	2799.86	
105	3048.84	3202.32	
110	3409.07	3580.45	
115	3730.38	3917.75	
120	3998.05	4198.75	
125	4199.32	4410.04	
130	4324.28	4541.23	
135	4366.65	4585.71	
140	4324.28	4541.23	
145	4199.32	4410.04	
150	3998.05	4198.74	
155	3730.37	3917.75	
160	3409.07	3580.45	
165	3048.83	3202.32	
170	2665.39	2799.85	
175	2274.61	2389.73	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1891.91	1988.19	
185	1532.09	1610.77	
190	1209.59	1272.70	
195	939.38	989.73	
200	737.46	778.64	
205	616.54	652.50	
210	572.01	606.15	
215	575.01	609.27	
220	591.21	626.13	
225	598.88	634.11	
230	591.21	626.13	
235	575.01	609.27	
240	572.01	606.15	
245	616.54	652.50	
250	737.46	778.64	
255	939.38	989.73	
260	1209.59	1272.70	
265	1532.10	1610.78	
270	1891.92	1988.19	
275	2274.61	2389.74	
280	2665.39	2799.86	
285	3048.84	3202.32	
290	3409.07	3580.46	
295	3730.38	3917.75	
300	3998.05	4198.75	
305	4199.32	4410.04	
310	4324.28	4541.23	
315	4366.65	4585.71	
320	4324.28	4541.23	
325	4199.32	4410.04	
330	3998.04	4198.74	
335	3730.37	3917.74	
340	3409.06	3580.45	
345	3048.83	3202.32	
350	2665.39	2799.85	
355	2274.60	2389.73	

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