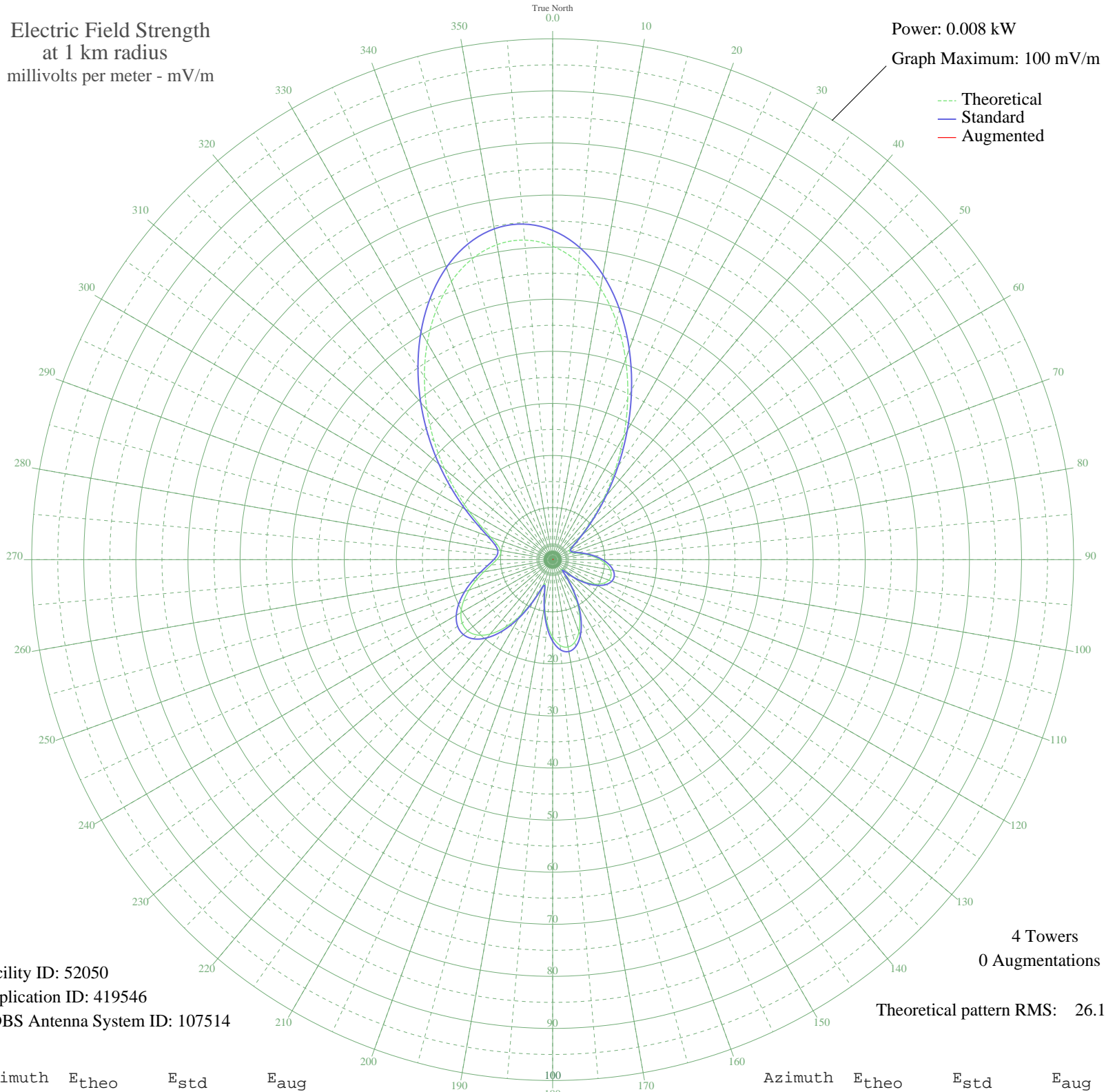


# WVNZ RICHMOND, VA BL-- 1320 kHz

Nighttime

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

Power: 0.008 kW  
Graph Maximum: 100 mV/m



Facility ID: 52050  
Application ID: 419546  
CDBS Antenna System ID: 107514

4 Towers  
0 Augmentations  
Theoretical pattern RMS: 26.13

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	60.20	63.22	
5	57.25	60.12	
10	52.88	55.53	
15	47.32	49.70	
20	40.93	42.99	
25	34.10	35.82	
30	27.26	28.64	
35	20.82	21.88	
40	15.12	15.91	
45	10.45	11.01	
50	6.98	7.39	
55	4.78	5.10	
60	3.73	4.03	
65	3.54	3.84	
70	3.95	4.26	
75	4.86	5.19	
80	6.15	6.53	
85	7.63	8.07	
90	9.08	9.58	
95	10.33	10.88	
100	11.21	11.81	
105	11.62	12.24	
110	11.48	12.09	
115	10.73	11.30	
120	9.36	9.87	
125	7.41	7.84	
130	5.03	5.37	
135	2.77	3.06	
140	3.16	3.45	
145	6.05	6.43	
150	9.29	9.80	
155	12.30	12.95	
160	14.76	15.52	
165	16.40	17.24	
170	17.03	17.91	
175	16.53	17.38	

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.

15 Feb 2012

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	14.88	15.65	
185	12.20	12.85	
190	8.81	9.30	
195	5.59	5.95	
200	5.18	5.52	
205	8.33	8.79	
210	12.26	12.91	
215	15.83	16.65	
220	18.62	19.58	
225	20.46	21.50	
230	21.29	22.37	
235	21.19	22.27	
240	20.32	21.36	
245	18.88	19.84	
250	17.09	17.97	
255	15.20	15.98	
260	13.39	14.09	
265	11.86	12.49	
270	10.73	11.30	
275	10.13	10.67	
280	10.17	10.72	
285	10.98	11.57	
290	12.64	13.30	
295	15.15	15.93	
300	18.46	19.40	
305	22.48	23.62	
310	27.10	28.47	
315	32.17	33.80	
320	37.52	39.41	
325	42.92	45.07	
330	48.12	50.54	
335	52.86	55.51	
340	56.83	59.68	
345	59.77	62.76	
350	61.42	64.49	
355	61.59	64.68	