

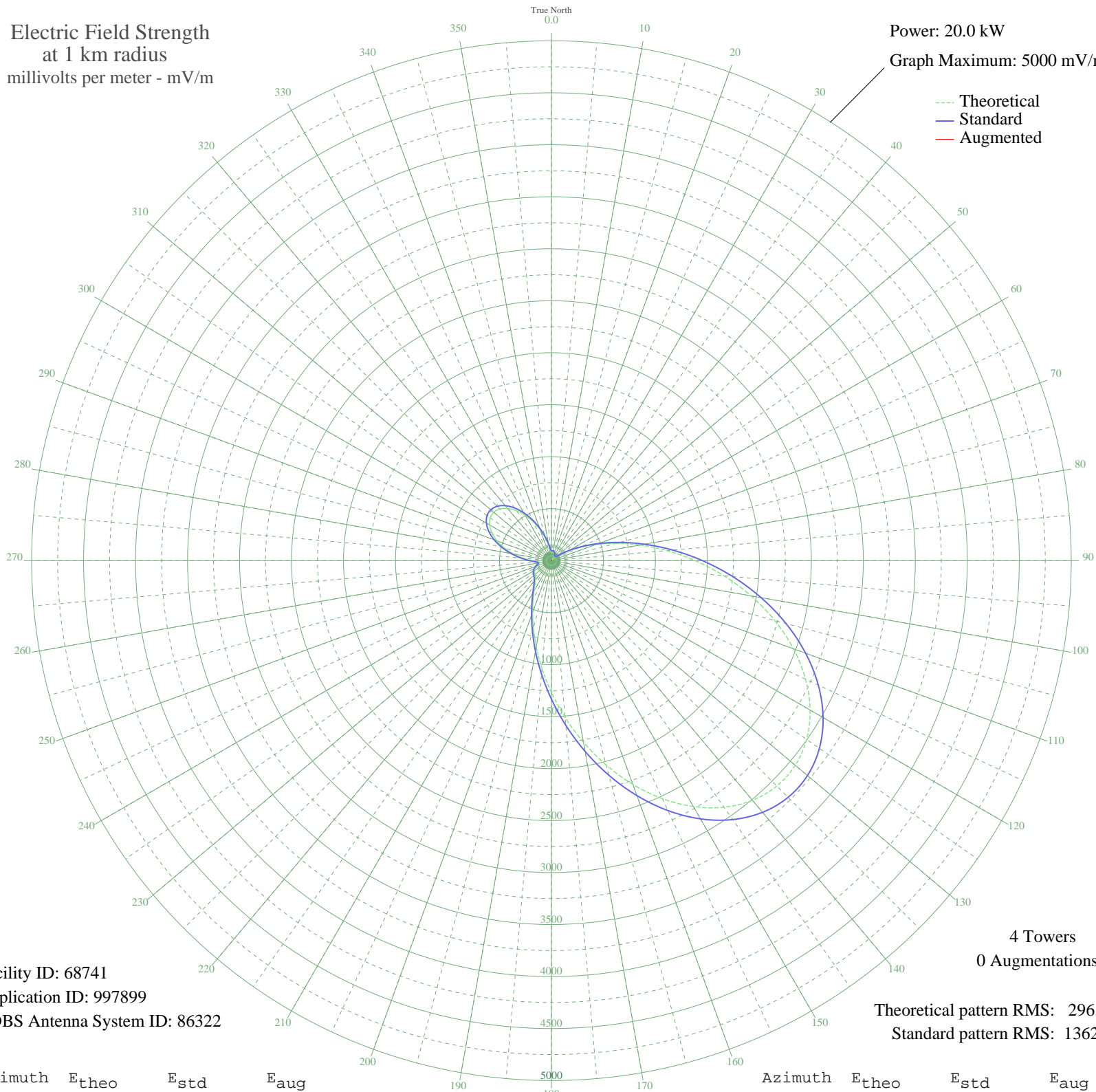
WRJR CLAREMONT, VA BL-20040526ATG 670 kHz

Daytime

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

Power: 20.0 kW  
Graph Maximum: 5000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 68741  
Application ID: 997899  
CDBS Antenna System ID: 86322

4 Towers  
0 Augmentations

Theoretical pattern RMS: 296.72  
Standard pattern RMS: 1362.58

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	73.75	93.66	
5	76.16	95.76	
10	80.49	99.59	
15	76.47	96.03	
20	63.36	84.86	
25	44.17	70.18	
30	23.51	58.18	
35	6.85	53.17	
40	0.01	52.68	
45	8.77	53.48	
50	38.71	66.53	
55	94.81	112.63	
60	181.19	197.41	
65	300.82	320.23	
70	455.19	480.84	
75	644.01	678.26	
80	864.99	909.76	
85	1113.67	1170.54	
90	1383.41	1453.53	
95	1665.54	1749.61	
100	1949.68	2047.85	
105	2224.30	2336.10	
110	2477.34	2601.74	
115	2697.10	2832.45	
120	2873.02	3017.14	
125	2996.51	3146.78	
130	3061.60	3215.12	
135	3065.47	3219.17	
140	3008.60	3159.47	
145	2894.76	3039.96	
150	2730.66	2867.67	
155	2525.35	2652.14	
160	2289.54	2404.60	
165	2034.74	2137.13	
170	1772.46	1861.83	
175	1513.45	1589.99	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1267.10	1331.50	
185	1041.01	1094.33	
190	840.72	884.33	
195	669.66	705.11	
200	529.19	558.14	
205	418.78	442.87	
210	336.33	357.06	
215	278.39	297.01	
220	240.51	257.98	
225	217.62	234.50	
230	204.28	220.87	
235	195.08	211.50	
240	185.06	201.33	
245	170.24	186.35	
250	148.67	164.75	
255	123.10	139.58	
260	108.03	125.07	
265	130.06	146.37	
270	191.94	208.30	
275	276.37	294.94	
280	370.77	392.86	
285	466.25	492.39	
290	555.12	585.25	
295	630.44	664.06	
300	686.28	722.52	
305	718.18	755.92	
310	723.56	761.56	
315	702.02	739.00	
320	655.36	690.14	
325	587.40	619.01	
330	503.63	531.43	
335	410.67	434.41	
340	315.74	335.69	
345	226.23	243.31	
350	149.81	165.89	
355	95.71	113.46	

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