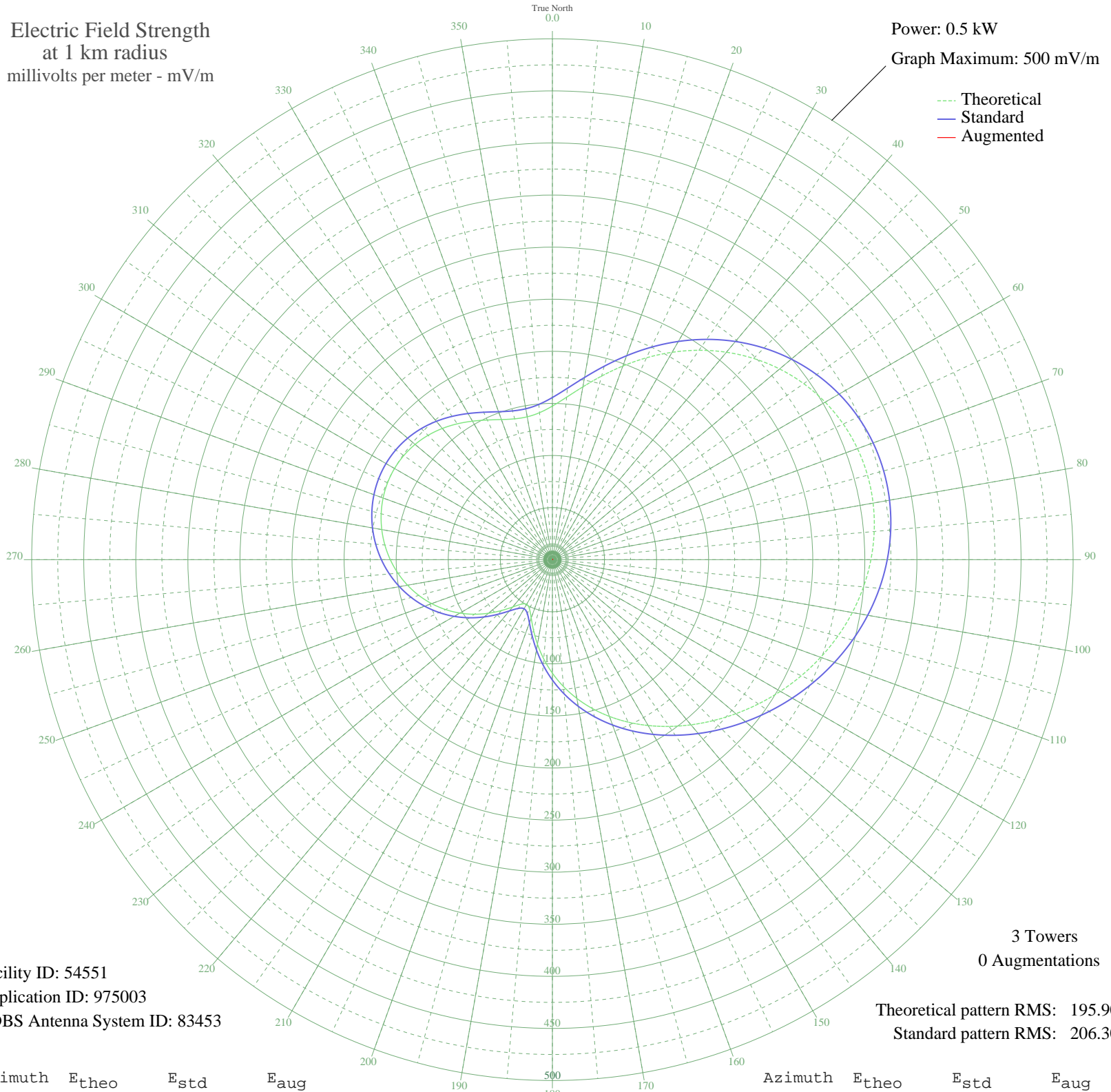


# WGFS COVINGTON, GA BMJP-20040129AXZ 1220 kHz

Nighttime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m



Facility ID: 54551  
Application ID: 975003  
CDBS Antenna System ID: 83453

3 Towers  
0 Augmentations

Theoretical pattern RMS: 195.90  
Standard pattern RMS: 206.30

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	147.45	155.65	
5	156.55	165.15	
10	168.44	177.59	
15	182.45	192.24	
20	197.81	208.32	
25	213.83	225.09	
30	229.87	241.89	
35	245.39	258.16	
40	259.95	273.41	
45	273.18	287.29	
50	284.80	299.47	
55	294.59	309.74	
60	302.40	317.93	
65	308.13	323.94	
70	311.75	327.72	
75	313.25	329.30	
80	312.69	328.72	
85	310.18	326.08	
90	305.84	321.53	
95	299.85	315.25	
100	292.42	307.46	
105	283.76	298.38	
110	274.11	288.26	
115	263.70	277.34	
120	252.75	265.87	
125	241.47	254.05	
130	230.02	242.05	
135	218.50	229.98	
140	206.97	217.90	
145	195.42	205.82	
150	183.83	193.68	
155	172.10	181.41	
160	160.15	168.92	
165	147.88	156.10	
170	135.25	142.92	
175	122.26	129.37	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	108.98	115.54	
185	95.59	101.64	
190	82.44	88.03	
195	70.10	75.33	
200	59.52	64.52	
205	52.13	57.03	
210	49.48	54.37	
215	52.21	57.11	
220	59.29	64.28	
225	69.01	74.21	
230	79.99	85.50	
235	91.34	97.24	
240	102.55	108.86	
245	113.30	120.03	
250	123.39	130.55	
255	132.73	140.28	
260	141.24	149.17	
265	148.89	157.15	
270	155.65	164.22	
275	161.49	170.31	
280	166.36	175.41	
285	170.21	179.44	
290	172.99	182.35	
295	174.63	184.06	
300	175.05	184.50	
305	174.22	183.63	
310	172.12	181.44	
315	168.81	177.97	
320	164.42	173.38	
325	159.19	167.92	
330	153.51	161.98	
335	147.92	156.14	
340	143.13	151.14	
345	139.96	147.83	
350	139.25	147.08	
355	141.64	149.59	

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.

13 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission