

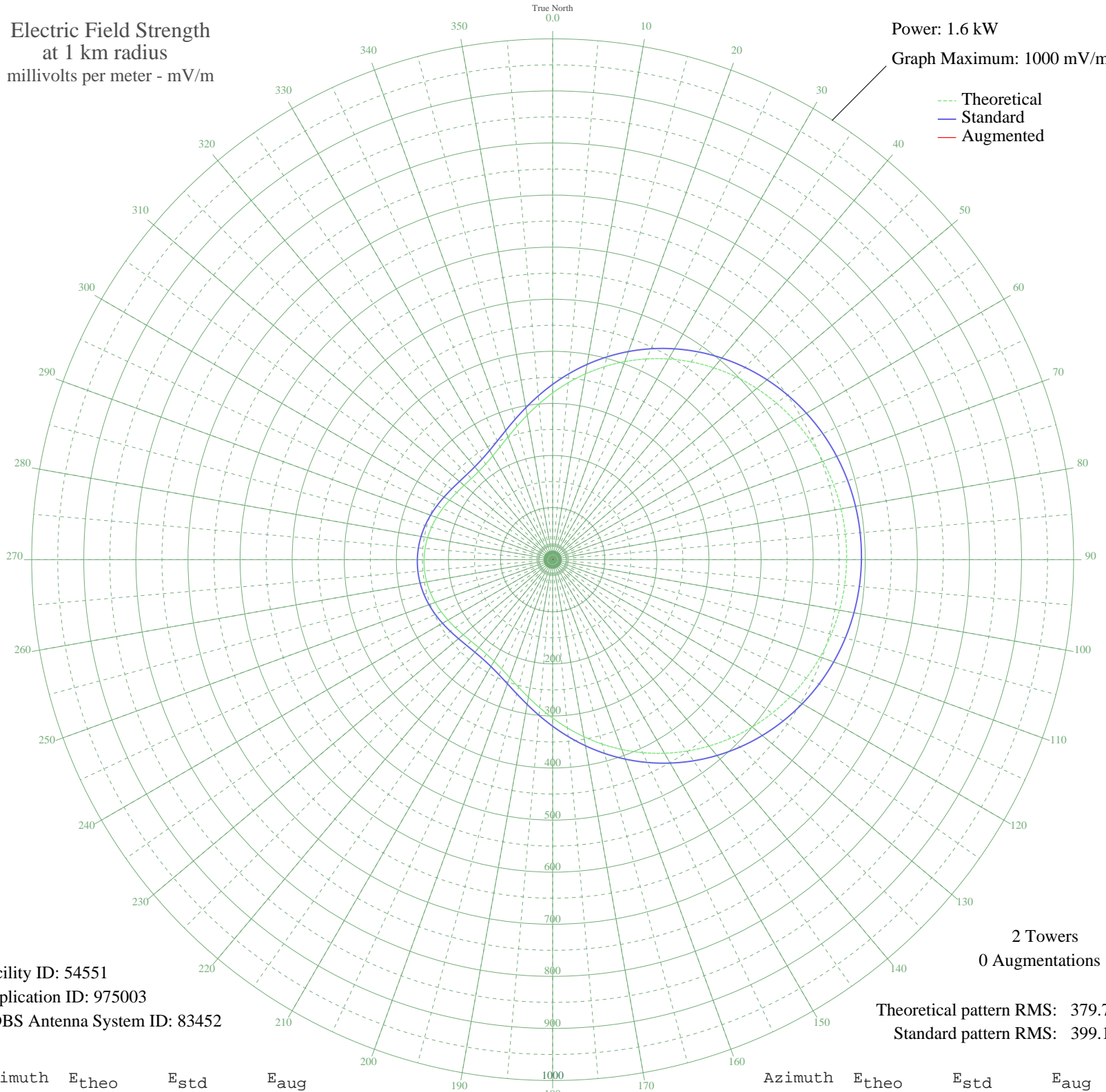
# WGFS COVINGTON, GA BMJP-20040129AXZ 1220 kHz

Daytime

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

Power: 1.6 kW  
Graph Maximum: 1000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 54551  
Application ID: 975003  
CDBS Antenna System ID: 83452

2 Towers  
0 Augmentations

Theoretical pattern RMS: 379.70  
Standard pattern RMS: 399.10

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	320.12	336.55	
5	340.91	358.35	
10	362.18	380.66	
15	383.54	403.07	
20	404.65	425.21	
25	425.19	446.76	
30	444.89	467.44	
35	463.54	487.01	
40	480.94	505.27	
45	496.94	522.06	
50	511.41	537.25	
55	524.25	550.72	
60	535.39	562.41	
65	544.77	572.26	
70	552.35	580.22	
75	558.11	586.26	
80	562.01	590.36	
85	564.06	592.51	
90	564.25	592.70	
95	562.57	590.94	
100	559.04	587.23	
105	553.65	581.58	
110	546.43	574.00	
115	537.41	564.53	
120	526.62	553.21	
125	514.11	540.08	
130	499.96	525.23	
135	484.26	508.75	
140	467.13	490.77	
145	448.71	471.45	
150	429.20	450.98	
155	408.81	429.58	
160	387.79	407.53	
165	366.46	385.15	
170	345.14	362.79	
175	324.22	340.85	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	304.13	319.78	
185	285.32	300.06	
190	268.25	282.16	
195	253.36	266.57	
200	241.06	253.67	
205	231.60	243.76	
210	225.09	236.95	
215	221.45	233.13	
220	220.38	232.01	
225	221.44	233.13	
230	224.10	235.91	
235	227.79	239.77	
240	231.97	244.15	
245	236.18	248.56	
250	240.03	252.60	
255	243.21	255.93	
260	245.50	258.32	
265	246.73	259.62	
270	246.85	259.74	
275	245.83	258.67	
280	243.75	256.49	
285	240.73	253.33	
290	236.99	249.41	
295	232.82	245.05	
300	228.60	240.62	
305	224.77	236.61	
310	221.87	233.57	
315	220.44	232.08	
320	221.04	232.71	
325	224.14	235.95	
330	230.06	242.15	
335	238.93	251.44	
340	250.69	263.76	
345	265.08	278.85	
350	281.75	296.32	
355	300.25	315.71	

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