

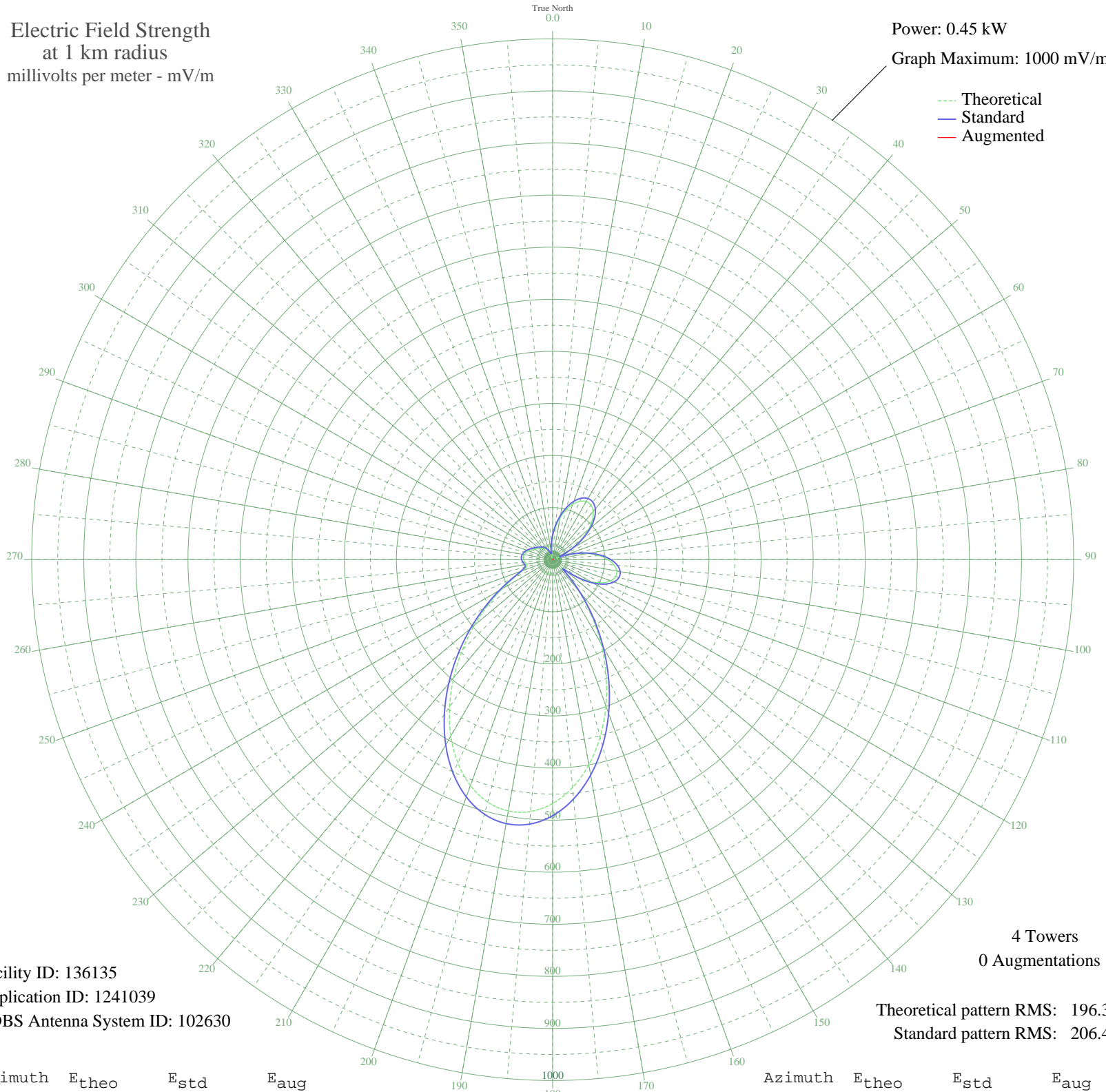
WFGM SANDY SPRINGS, GA BMP-20080207ABK 830 kHz

Nighttime

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

Power: 0.45 kW  
Graph Maximum: 1000 mV/m

--- Theoretical  
--- Standard  
--- Augmented



Facility ID: 136135  
Application ID: 1241039  
CDBS Antenna System ID: 102630

4 Towers  
0 Augmentations

Theoretical pattern RMS: 196.35  
Standard pattern RMS: 206.44

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	44.29	47.67	
5	62.80	66.77	
10	81.40	86.11	
15	98.66	104.13	
20	113.15	119.27	
25	123.50	130.10	
30	128.64	135.48	
35	127.85	134.65	
40	120.87	127.34	
45	107.90	113.78	
50	89.59	94.66	
55	66.96	71.09	
60	41.36	44.68	
65	15.15	19.06	
70	17.04	20.75	
75	42.91	46.26	
80	67.50	71.65	
85	88.94	93.98	
90	106.19	112.00	
95	118.42	124.79	
100	124.94	131.61	
105	125.19	131.87	
110	118.73	125.10	
115	105.25	111.01	
120	84.70	89.55	
125	57.60	61.38	
130	28.06	31.27	
135	33.39	36.59	
140	76.88	81.40	
145	128.88	135.73	
150	184.84	194.37	
155	242.35	254.68	
160	299.01	314.14	
165	352.34	370.11	
170	399.83	419.95	
175	439.10	461.17	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	468.12	491.63	
185	485.36	509.73	
190	489.95	514.55	
195	481.78	505.98	
200	461.51	484.70	
205	430.54	452.19	
210	390.86	410.54	
215	344.92	362.32	
220	295.37	310.31	
225	244.90	257.36	
230	196.05	206.12	
235	151.13	159.03	
240	112.23	118.31	
245	81.40	86.11	
250	60.78	64.67	
255	51.50	55.08	
260	50.85	54.42	
265	53.52	57.17	
270	55.87	59.59	
275	56.55	60.30	
280	55.41	59.12	
285	52.79	56.41	
290	49.18	52.69	
295	45.08	48.49	
300	40.95	44.26	
305	37.11	40.35	
310	33.76	36.97	
315	30.92	34.12	
320	28.41	31.62	
325	25.77	29.02	
330	22.38	25.74	
335	17.56	21.22	
340	10.73	15.40	
345	3.16	11.01	
350	12.18	16.55	
355	27.08	30.31	

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