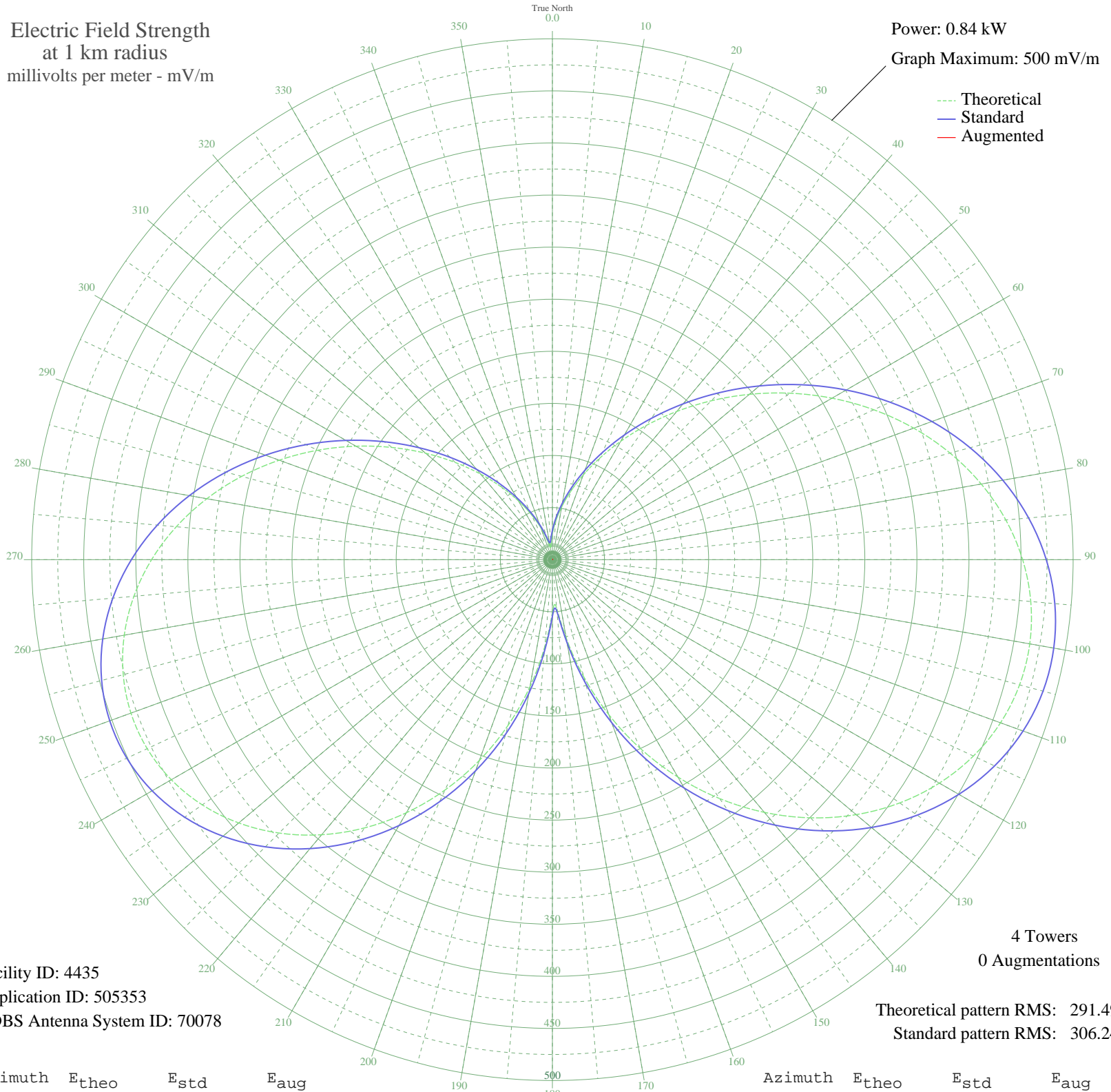


# WGAC AUGUSTA, GA BL-19991221AAL 580 kHz

Nighttime

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

Power: 0.84 kW  
Graph Maximum: 500 mV/m



Facility ID: 4435  
Application ID: 505353  
CDBS Antenna System ID: 70078

4 Towers  
0 Augmentations

Theoretical pattern RMS: 291.49  
Standard pattern RMS: 306.24

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	24.80	28.08	
5	37.22	40.47	
10	51.49	55.07	
15	67.80	71.96	
20	86.43	91.35	
25	107.56	113.43	
30	131.25	138.21	
35	157.38	165.58	
40	185.67	195.23	
45	215.69	226.72	
50	246.88	259.44	
55	278.58	292.70	
60	310.06	325.73	
65	340.52	357.71	
70	369.20	387.80	
75	395.31	415.21	
80	418.15	439.18	
85	437.07	459.05	
90	451.53	474.23	
95	461.10	484.26	
100	465.45	488.83	
105	464.40	487.74	
110	457.91	480.92	
115	446.05	468.47	
120	429.02	450.59	
125	407.13	427.62	
130	380.79	399.97	
135	350.46	368.13	
140	316.67	332.67	
145	279.97	294.16	
150	240.94	253.20	
155	200.18	210.45	
160	158.36	166.61	
165	116.45	122.72	
170	76.53	81.04	
175	46.57	50.02	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	50.70	54.26	
185	83.71	88.52	
190	123.71	130.32	
195	164.77	173.32	
200	205.15	215.66	
205	243.98	256.39	
210	280.57	294.78	
215	314.33	330.21	
220	344.70	362.08	
225	371.14	389.84	
230	393.18	412.97	
235	410.41	431.06	
240	422.52	443.77	
245	429.30	450.89	
250	430.66	452.31	
255	426.65	448.10	
260	417.45	438.44	
265	403.38	423.67	
270	384.88	404.26	
275	362.52	380.79	
280	336.95	353.95	
285	308.91	324.52	
290	279.18	293.32	
295	248.56	261.20	
300	217.83	228.97	
305	187.74	197.41	
310	158.93	167.21	
315	131.94	138.94	
320	107.17	113.01	
325	84.83	89.69	
330	65.03	69.08	
335	47.68	51.16	
340	32.68	35.89	
345	20.16	23.63	
350	12.19	16.56	
355	14.87	18.82	

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission