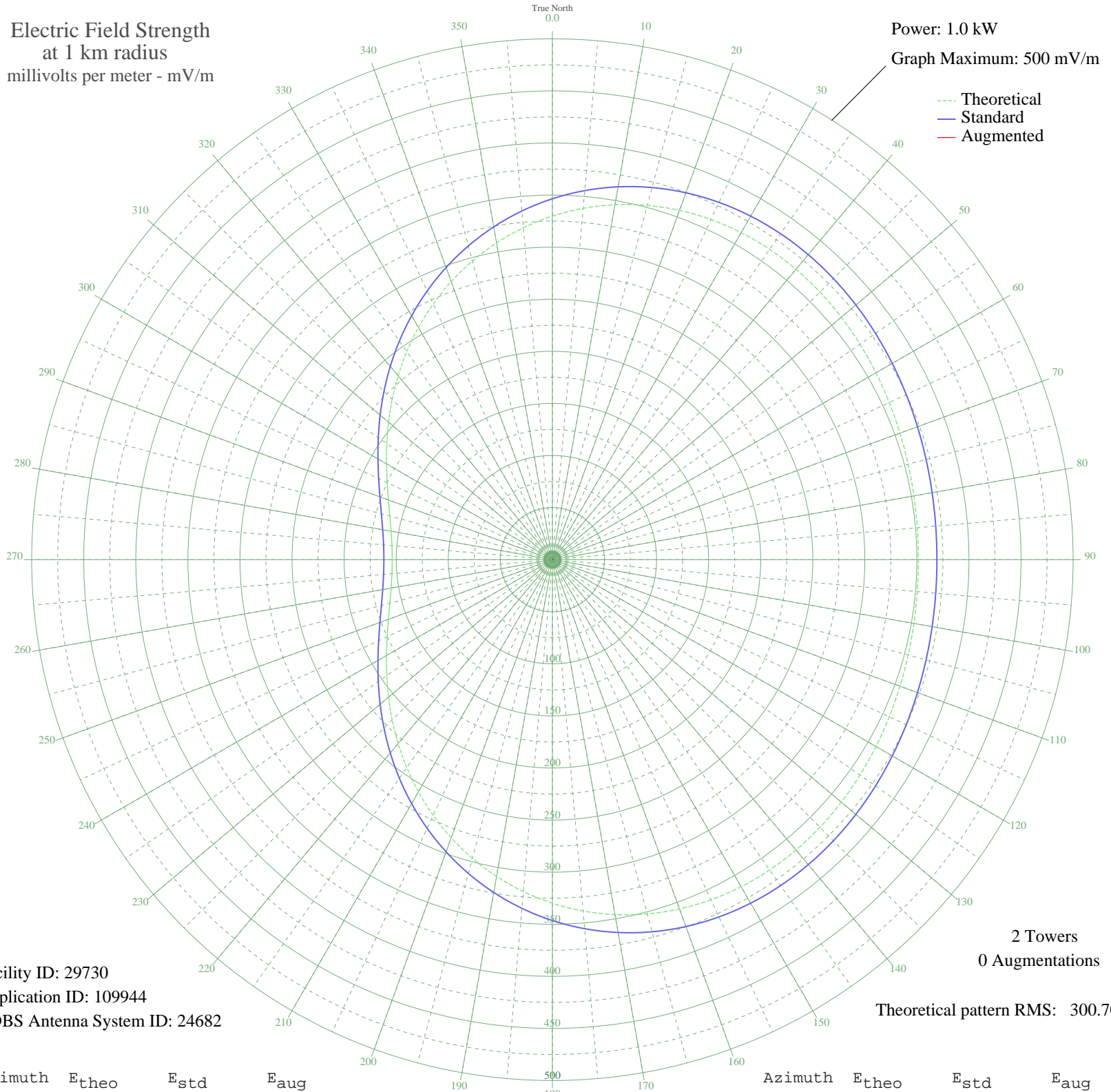


# WGST ATLANTA, GA BL-19880302AA 640 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 500 mV/m



Facility ID: 29730  
Application ID: 109944  
CDBS Antenna System ID: 24682

2 Towers  
0 Augmentations

Theoretical pattern RMS: 300.70

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	329.80	346.45	
5	338.54	355.62	
10	345.98	363.43	
15	352.07	369.82	
20	356.82	374.80	
25	360.27	378.43	
30	362.51	380.78	
35	363.66	381.99	
40	363.87	382.20	
45	363.30	381.61	
50	362.13	380.38	
55	360.56	378.73	
60	358.76	376.84	
65	356.90	374.89	
70	355.15	373.05	
75	353.64	371.47	
80	352.47	370.25	
85	351.74	369.48	
90	351.50	369.22	
95	351.74	369.48	
100	352.47	370.25	
105	353.64	371.47	
110	355.15	373.05	
115	356.90	374.89	
120	358.76	376.84	
125	360.56	378.73	
130	362.13	380.38	
135	363.30	381.61	
140	363.87	382.20	
145	363.66	381.99	
150	362.51	380.78	
155	360.27	378.43	
160	356.82	374.80	
165	352.07	369.82	
170	345.98	363.43	
175	338.54	355.62	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	329.80	346.45	
185	319.84	335.99	
190	308.78	324.39	
195	296.79	311.81	
200	284.07	298.46	
205	270.83	284.57	
210	257.31	270.38	
215	243.76	256.17	
220	230.43	242.18	
225	217.55	228.67	
230	205.37	215.89	
235	194.09	204.07	
240	183.92	193.40	
245	175.02	184.07	
250	167.53	176.22	
255	161.59	169.99	
260	157.28	165.48	
265	154.66	162.74	
270	153.79	161.82	
275	154.66	162.74	
280	157.28	165.48	
285	161.59	169.99	
290	167.53	176.22	
295	175.02	184.07	
300	183.92	193.40	
305	194.09	204.07	
310	205.37	215.89	
315	217.55	228.67	
320	230.43	242.18	
325	243.76	256.17	
330	257.31	270.38	
335	270.83	284.57	
340	284.07	298.46	
345	296.79	311.81	
350	308.78	324.39	
355	319.84	335.99	

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