

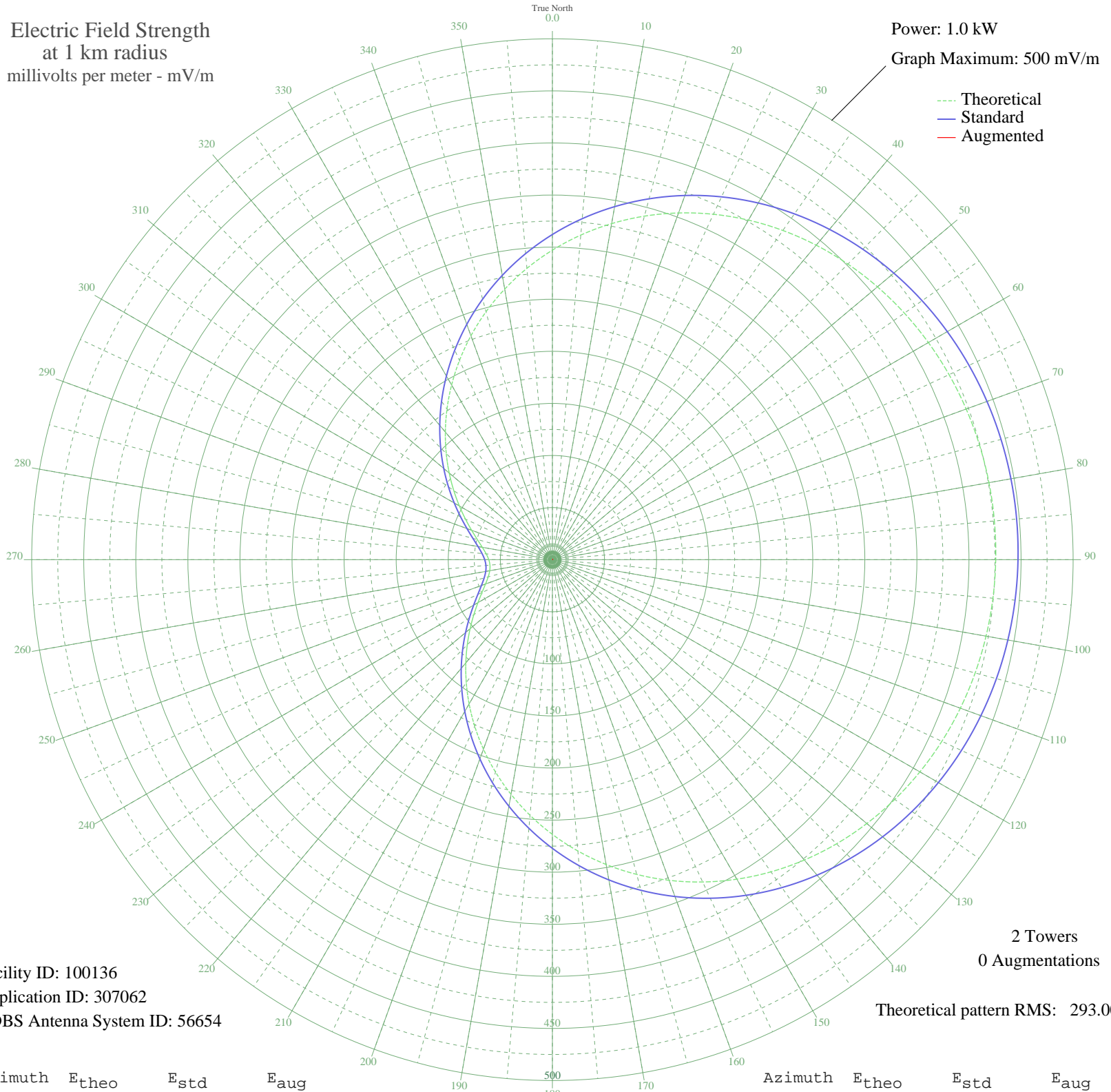
**- GUARABIRA, - Brazil -- 850 kHz**

**Nighttime**

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

Power: 1.0 kW  
Graph Maximum: 500 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 100136  
Application ID: 307062  
CDBS Antenna System ID: 56654

2 Towers  
0 Augmentations

Theoretical pattern RMS: 293.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	297.12	312.15	
5	312.78	328.59	
10	327.58	344.12	
15	341.40	358.63	
20	354.18	372.03	
25	365.85	384.28	
30	376.39	395.35	
35	385.79	405.22	
40	394.08	413.92	
45	401.28	421.48	
50	407.44	427.94	
55	412.62	433.38	
60	416.87	437.84	
65	420.25	441.39	
70	422.82	444.09	
75	424.62	445.98	
80	425.69	447.09	
85	426.04	447.46	
90	425.69	447.09	
95	424.62	445.98	
100	422.82	444.09	
105	420.25	441.39	
110	416.87	437.84	
115	412.62	433.38	
120	407.44	427.94	
125	401.28	421.48	
130	394.08	413.92	
135	385.79	405.22	
140	376.39	395.35	
145	365.85	384.28	
150	354.18	372.03	
155	341.40	358.63	
160	327.58	344.12	
165	312.78	328.59	
170	297.12	312.15	
175	280.72	294.95	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	263.74	277.13	
185	246.35	258.88	
190	228.72	240.39	
195	211.07	221.87	
200	193.58	203.53	
205	176.47	185.59	
210	159.93	168.26	
215	144.16	151.73	
220	129.32	136.20	
225	115.61	121.84	
230	103.15	108.81	
235	92.09	97.26	
240	82.54	87.30	
245	74.60	79.03	
250	68.34	72.52	
255	63.83	67.83	
260	61.10	65.01	
265	60.19	64.07	
270	61.10	65.01	
275	63.83	67.83	
280	68.34	72.52	
285	74.60	79.03	
290	82.54	87.30	
295	92.09	97.26	
300	103.15	108.81	
305	115.61	121.84	
310	129.32	136.20	
315	144.16	151.73	
320	159.93	168.26	
325	176.47	185.59	
330	193.58	203.53	
335	211.07	221.87	
340	228.72	240.39	
345	246.35	258.88	
350	263.74	277.13	
355	280.72	294.95	

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