

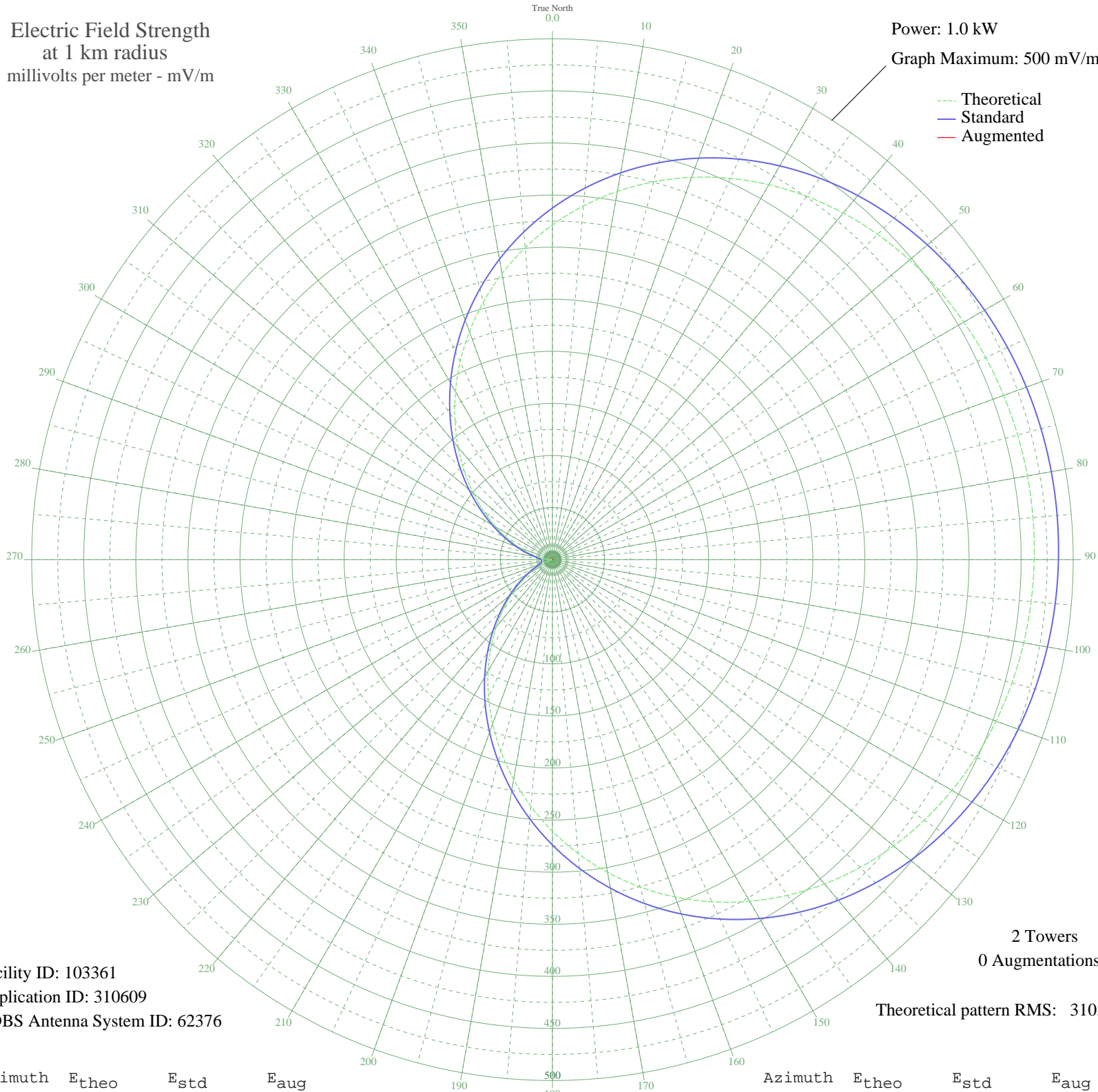
**- BOTUCATU, - Brazil -- 1290 kHz**

Daytime

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: 103361  
Application ID: 310609  
CDBS Antenna System ID: 62376

2 Towers  
0 Augmentations

Theoretical pattern RMS: 310.92

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	321.32	337.55	
5	340.85	358.04	
10	358.96	377.06	
15	375.55	394.47	
20	390.53	410.19	
25	403.87	424.20	
30	415.59	436.49	
35	425.72	447.13	
40	434.36	456.20	
45	441.59	463.79	
50	447.55	470.05	
55	452.35	475.09	
60	456.13	479.05	
65	459.00	482.06	
70	461.06	484.23	
75	462.41	485.65	
80	463.10	486.37	
85	463.16	486.43	
90	462.60	485.84	
95	461.39	484.57	
100	459.47	482.56	
105	456.77	479.73	
110	453.19	475.96	
115	448.60	471.15	
120	442.88	465.15	
125	435.91	457.83	
130	427.57	449.07	
135	417.74	438.75	
140	406.35	426.79	
145	393.33	413.13	
150	378.68	397.75	
155	362.41	380.67	
160	344.59	361.97	
165	325.33	341.76	
170	304.79	320.20	
175	283.17	297.51	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	260.69	273.93	
185	237.62	249.72	
190	214.25	225.20	
195	190.85	200.67	
200	167.75	176.45	
205	145.23	152.85	
210	123.57	130.17	
215	103.04	108.70	
220	83.89	88.70	
225	66.32	70.43	
230	50.54	54.10	
235	36.70	39.94	
240	24.94	28.21	
245	15.36	19.24	
250	8.04	13.48	
255	3.05	10.98	
260	0.43	10.51	
265	0.19	10.50	
270	2.34	10.78	
275	6.86	12.73	
280	13.71	17.82	
285	22.85	26.19	
290	34.18	37.39	
295	47.61	51.09	
300	63.02	67.00	
305	80.24	84.90	
310	99.09	104.57	
315	119.36	125.77	
320	140.82	148.23	
325	163.19	171.67	
330	186.20	195.79	
335	209.56	220.29	
340	232.96	244.84	
345	256.12	269.13	
350	278.73	292.86	
355	300.55	315.75	

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