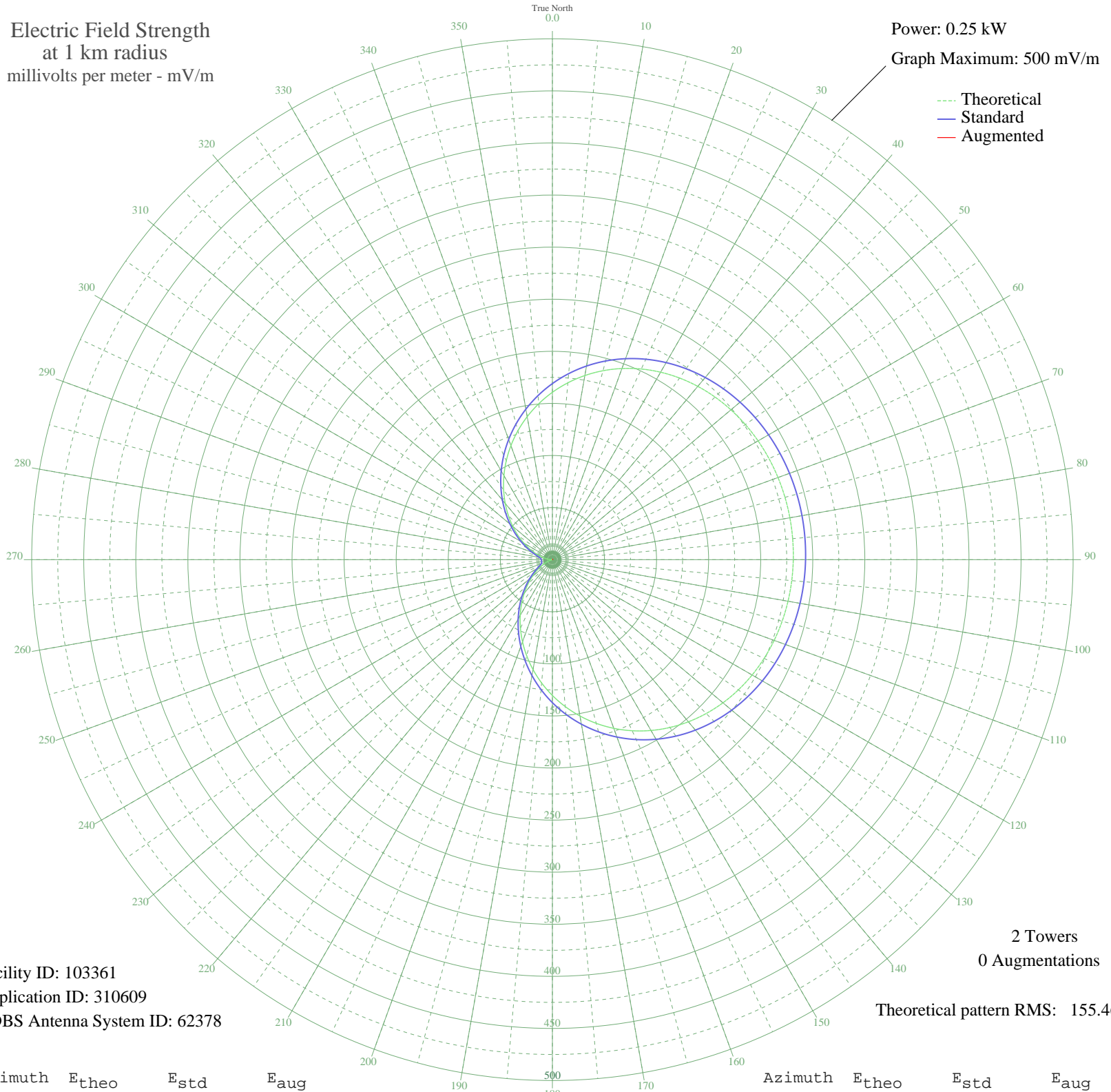


**- BOTUCATU, - Brazil -- 1290 kHz**

**Nighttime**

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

Power: 0.25 kW  
Graph Maximum: 500 mV/m



Facility ID: 103361  
Application ID: 310609  
CDBS Antenna System ID: 62378

2 Towers  
0 Augmentations  
Theoretical pattern RMS: 155.46

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	160.66	169.02	
5	170.42	179.25	
10	179.48	188.75	
15	187.78	197.44	
20	195.27	205.30	
25	201.94	212.29	
30	207.79	218.44	
35	212.86	223.75	
40	217.18	228.28	
45	220.80	232.07	
50	223.78	235.20	
55	226.18	237.72	
60	228.07	239.70	
65	229.50	241.20	
70	230.53	242.29	
75	231.21	242.99	
80	231.55	243.35	
85	231.58	243.39	
90	231.30	243.09	
95	230.69	242.46	
100	229.74	241.45	
105	228.39	240.04	
110	226.59	238.15	
115	224.30	235.75	
120	221.44	232.75	
125	217.96	229.10	
130	213.78	224.72	
135	208.87	219.56	
140	203.17	213.59	
145	196.67	206.77	
150	189.34	199.08	
155	181.20	190.55	
160	172.29	181.21	
165	162.66	171.12	
170	152.40	160.36	
175	141.58	149.03	

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.

14 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	130.35	137.26	
185	118.81	125.19	
190	107.12	112.97	
195	95.43	100.75	
200	83.87	88.69	
205	72.61	76.96	
210	61.78	65.72	
215	51.52	55.10	
220	41.94	45.27	
225	33.16	36.37	
230	25.27	28.54	
235	18.35	21.94	
240	12.47	16.78	
245	7.68	13.24	
250	4.02	11.32	
255	1.53	10.62	
260	0.22	10.50	
265	0.10	10.50	
270	1.17	10.57	
275	3.43	11.10	
280	6.86	12.73	
285	11.42	15.94	
290	17.09	20.79	
295	23.81	27.11	
300	31.51	34.71	
305	40.12	43.41	
310	49.55	53.07	
315	59.68	63.54	
320	70.41	74.67	
325	81.59	86.32	
330	93.10	98.32	
335	104.78	110.52	
340	116.48	122.76	
345	128.06	134.87	
350	139.37	146.71	
355	150.27	158.14	