

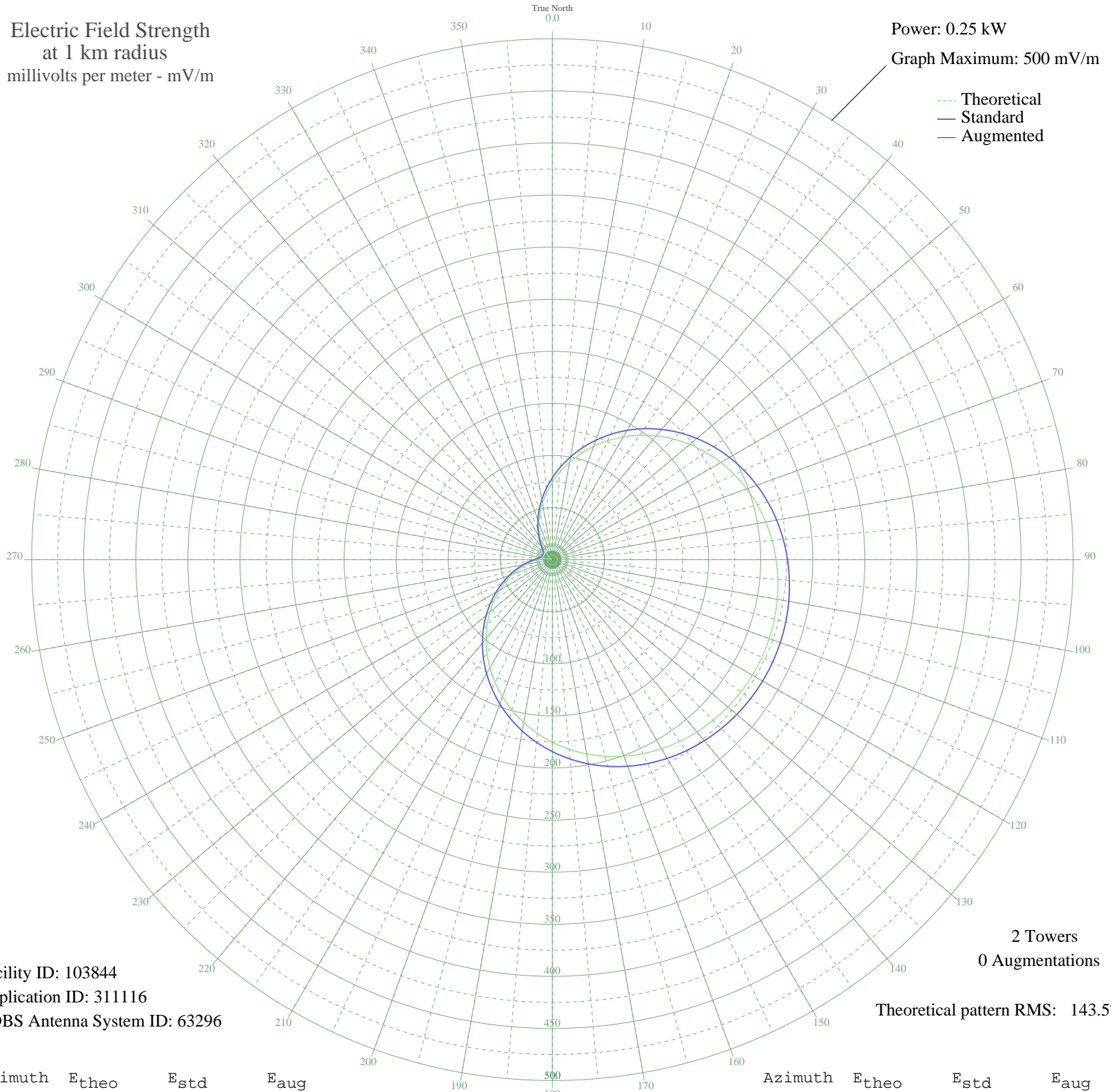
**- SAO BORJA, - Brazil -- 1330 kHz**

**Nighttime**

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

Power: 0.25 kW  
Graph Maximum: 500 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 103844  
Application ID: 311116  
CDBS Antenna System ID: 63296

2 Towers  
0 Augmentations

Theoretical pattern RMS: 143.57

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	74.26	78.68	
5	84.47	89.31	
10	94.86	100.16	
15	105.34	111.10	
20	115.78	122.02	
25	126.08	132.80	
30	136.13	143.32	
35	145.83	153.49	
40	155.12	163.21	
45	163.90	172.41	
50	172.11	181.03	
55	179.73	189.01	
60	186.70	196.32	
65	193.02	202.94	
70	198.67	208.87	
75	203.66	214.10	
80	207.99	218.65	
85	211.70	222.53	
90	214.80	225.78	
95	217.30	228.41	
100	219.25	230.45	
105	220.65	231.92	
110	221.52	232.84	
115	221.88	233.21	
120	221.73	233.05	
125	221.06	232.35	
130	219.87	231.11	
135	218.15	229.30	
140	215.87	226.90	
145	213.01	223.91	
150	209.55	220.28	
155	205.47	216.00	
160	200.74	211.04	
165	195.36	205.39	
170	189.31	199.05	
175	182.60	192.01	

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

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	175.23	184.30	
185	167.25	175.93	
190	158.69	166.96	
195	149.60	157.43	
200	140.06	147.43	
205	130.13	137.04	
210	119.92	126.35	
215	109.53	115.48	
220	99.05	104.53	
225	88.61	93.63	
230	78.32	82.90	
235	68.28	72.46	
240	58.61	62.43	
245	49.42	52.94	
250	40.79	44.10	
255	32.82	36.02	
260	25.58	28.84	
265	19.14	22.68	
270	13.57	17.70	
275	8.91	14.06	
280	5.20	11.83	
285	2.46	10.81	
290	0.73	10.53	
295	0.02	10.50	
300	0.33	10.51	
305	1.65	10.64	
310	3.98	11.30	
315	7.31	13.01	
320	11.59	16.08	
325	16.81	20.54	
330	22.91	26.24	
335	29.83	33.03	
340	37.52	40.77	
345	45.89	49.32	
350	54.87	58.57	
355	64.36	68.39	