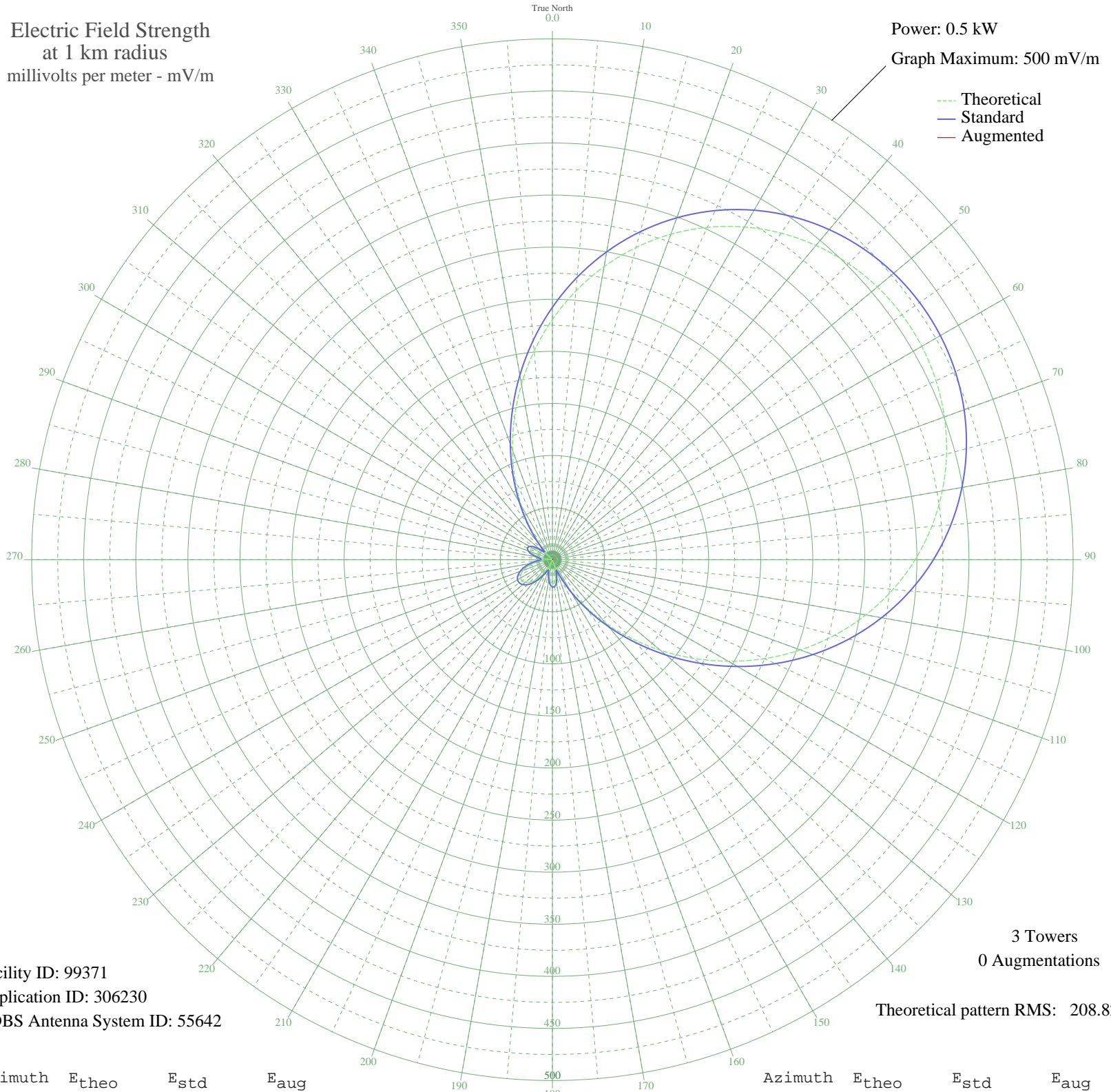


**- S ISABEL, - Brazil -- 650 kHz**

**Nighttime**

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m



Facility ID: 99371  
Application ID: 306230  
CDBS Antenna System ID: 55642

3 Towers  
0 Augmentations  
Theoretical pattern RMS: 208.82

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	230.54	242.30	
5	258.91	272.06	
10	285.62	300.09	
15	310.24	325.92	
20	332.44	349.22	
25	352.00	369.75	
30	368.78	387.37	
35	382.71	401.99	
40	393.77	413.59	
45	401.96	422.18	
50	407.30	427.80	
55	409.83	430.45	
60	409.55	430.15	
65	406.46	426.91	
70	400.55	420.71	
75	391.79	411.51	
80	380.16	399.30	
85	365.65	384.08	
90	348.31	365.87	
95	328.20	344.77	
100	305.50	320.94	
105	280.43	294.64	
110	253.36	266.23	
115	224.71	236.18	
120	195.04	205.07	
125	164.98	173.55	
130	135.20	142.35	
135	106.42	112.23	
140	79.34	83.97	
145	54.62	58.31	
150	32.82	36.03	
155	14.38	18.39	
160	0.41	10.51	
165	11.43	15.94	
170	18.70	22.26	
175	22.42	25.78	

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

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	22.93	26.27	
185	20.68	24.12	
190	16.20	19.99	
195	10.05	14.89	
200	2.84	10.91	
205	4.86	11.68	
210	12.51	16.82	
215	19.62	23.12	
220	25.77	29.03	
225	30.64	33.84	
230	33.96	37.17	
235	35.57	38.79	
240	35.39	38.61	
245	33.43	36.64	
250	29.78	32.99	
255	24.64	27.92	
260	18.26	21.86	
265	11.01	15.62	
270	3.31	11.06	
275	4.34	11.45	
280	11.38	15.91	
285	17.24	20.93	
290	21.33	24.73	
295	23.07	26.40	
300	21.94	25.32	
305	17.53	21.19	
310	9.53	14.50	
315	2.25	10.76	
320	17.78	21.42	
325	36.93	40.17	
330	59.35	63.20	
335	84.59	89.44	
340	112.06	118.13	
345	141.10	148.52	
350	170.99	179.85	
355	201.03	211.34	