

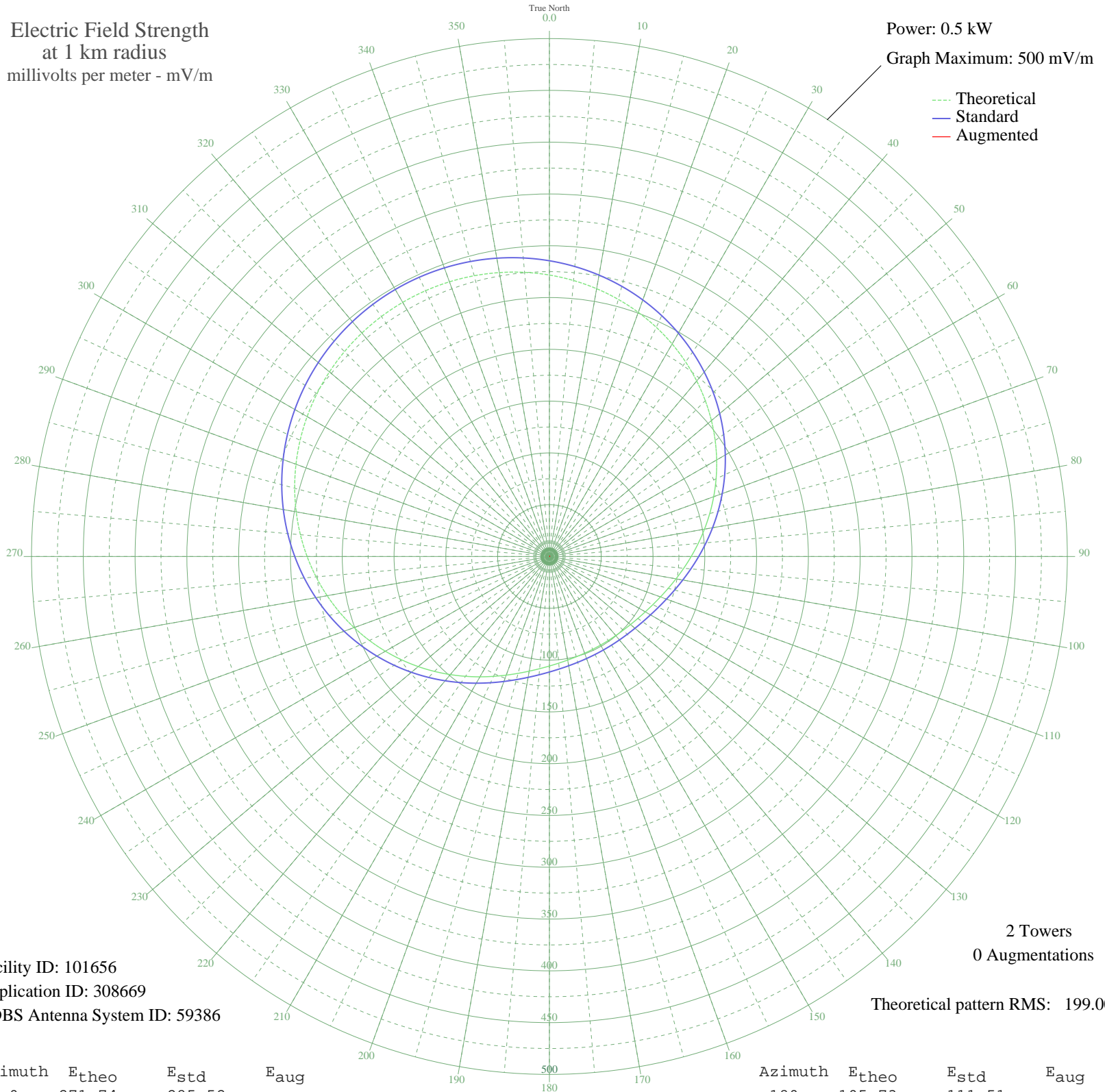
ZYJ-253 S JOSE PINHA, - Brazil -- 1110 kHz

Nighttime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 101656  
Application ID: 308669  
CDBS Antenna System ID: 59386

2 Towers  
0 Augmentations

Theoretical pattern RMS: 199.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	271.74	285.52	
5	267.46	281.02	
10	262.53	275.85	
15	256.98	270.03	
20	250.84	263.59	
25	244.15	256.57	
30	236.94	249.01	
35	229.28	240.97	
40	221.22	232.51	
45	212.82	223.71	
50	204.17	214.64	
55	195.35	205.38	
60	186.44	196.05	
65	177.56	186.73	
70	168.79	177.54	
75	160.23	168.57	
80	152.00	159.95	
85	144.19	151.76	
90	136.88	144.11	
95	130.17	137.08	
100	124.10	130.72	
105	118.72	125.10	
110	114.06	120.22	
115	110.11	116.09	
120	106.85	112.68	
125	104.23	109.94	
130	102.19	107.82	
135	100.68	106.24	
140	99.63	105.14	
145	99.00	104.48	
150	98.74	104.21	
155	98.85	104.32	
160	99.33	104.83	
165	100.21	105.74	
170	101.53	107.12	
175	103.35	109.02	

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.

13 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	105.73	111.51	
185	108.73	114.65	
190	112.40	118.48	
195	116.77	123.06	
200	121.86	128.39	
205	127.66	134.45	
210	134.12	141.22	
215	141.20	148.63	
220	148.82	156.62	
225	156.90	165.08	
230	165.33	173.92	
235	174.03	183.03	
240	182.88	192.31	
245	191.79	201.65	
250	200.66	210.95	
255	209.39	220.11	
260	217.89	229.03	
265	226.10	237.64	
270	233.93	245.85	
275	241.32	253.61	
280	248.23	260.85	
285	254.59	267.53	
290	260.38	273.60	
295	265.56	279.04	
300	270.11	283.81	
305	274.00	287.89	
310	277.23	291.28	
315	279.78	293.96	
320	281.65	295.92	
325	282.83	297.15	
330	283.31	297.66	
335	283.10	297.44	
340	282.20	296.50	
345	280.61	294.83	
350	278.33	292.44	
355	275.37	289.33	