

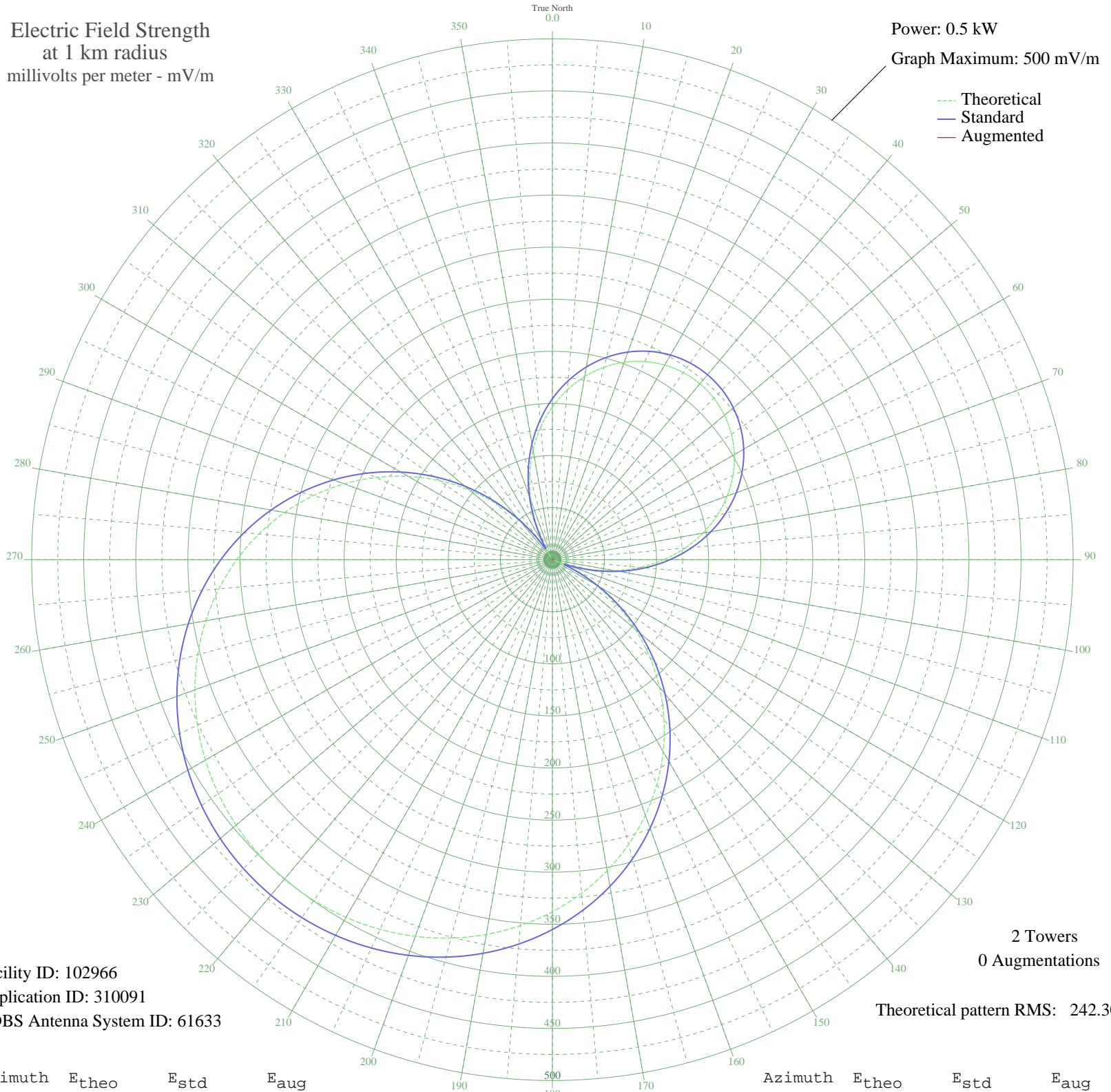
# ZYK-702 CACAPAVA, - Brazil -- 1250 kHz

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: 102966  
Application ID: 310091  
CDBS Antenna System ID: 61633

Theoretical pattern RMS: 242.30

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	146.72	154.49	
5	163.67	172.25	
10	178.54	187.83	
15	191.23	201.13	
20	201.68	212.08	
25	209.85	220.65	
30	215.70	226.79	
35	219.22	230.48	
40	220.40	231.71	
45	219.22	230.48	
50	215.70	226.79	
55	209.85	220.65	
60	201.68	212.08	
65	191.23	201.13	
70	178.54	187.83	
75	163.67	172.25	
80	146.72	154.49	
85	127.76	134.66	
90	106.94	112.89	
95	84.40	89.39	
100	60.32	64.40	
105	34.90	38.46	
110	8.35	14.61	
115	19.06	23.17	
120	47.08	50.80	
125	75.45	80.08	
130	103.87	109.69	
135	132.08	139.17	
140	159.80	168.19	
145	186.78	196.46	
150	212.77	223.72	
155	237.57	249.72	
160	260.98	274.28	
165	282.84	297.21	
170	303.03	318.39	
175	321.43	337.70	

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	337.97	355.06	
185	352.60	370.41	
190	365.28	383.73	
195	376.01	394.98	
200	384.77	404.18	
205	391.58	411.32	
210	396.43	416.42	
215	399.34	419.47	
220	400.31	420.48	
225	399.34	419.47	
230	396.43	416.42	
235	391.58	411.32	
240	384.77	404.18	
245	376.01	394.98	
250	365.28	383.73	
255	352.60	370.41	
260	337.97	355.06	
265	321.43	337.70	
270	303.03	318.39	
275	282.84	297.21	
280	260.98	274.28	
285	237.57	249.72	
290	212.77	223.72	
295	186.78	196.46	
300	159.80	168.19	
305	132.08	139.17	
310	103.87	109.69	
315	75.45	80.07	
320	47.08	50.80	
325	19.06	23.17	
330	8.35	14.61	
335	34.90	38.46	
340	60.32	64.40	
345	84.40	89.39	
350	106.94	112.89	
355	127.76	134.66	