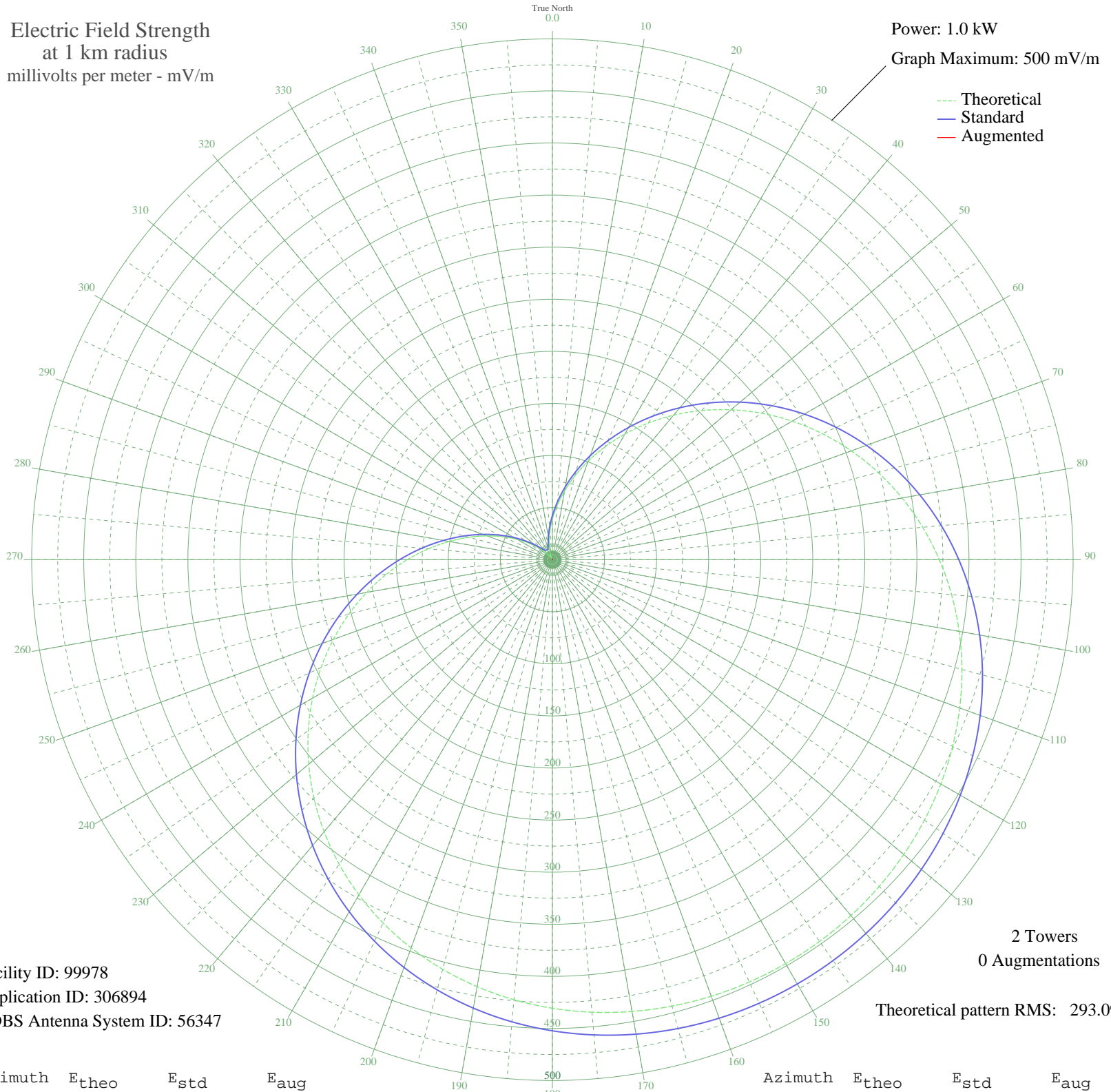


# ZYK655 SANTOS, - Brazil -- 810 kHz

Daytime

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

Power: 1.0 kW  
Graph Maximum: 500 mV/m



Facility ID: 99978  
Application ID: 306894  
CDBS Antenna System ID: 56347

Theoretical pattern RMS: 293.09

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	39.07	42.34	
5	52.09	55.69	
10	66.80	70.92	
15	83.05	87.83	
20	100.68	106.24	
25	119.51	125.92	
30	139.32	146.66	
35	159.89	168.22	
40	181.00	190.34	
45	202.40	212.78	
50	223.84	235.27	
55	245.09	257.56	
60	265.91	279.40	
65	286.09	300.58	
70	305.43	320.88	
75	323.77	340.12	
80	340.97	358.17	
85	356.91	374.90	
90	371.52	390.24	
95	384.76	404.13	
100	396.61	416.57	
105	407.08	427.56	
110	416.20	437.14	
115	424.03	445.36	
120	430.63	452.28	
125	436.05	457.98	
130	440.38	462.52	
135	443.67	465.97	
140	445.98	468.40	
145	447.35	469.83	
150	447.80	470.31	
155	447.35	469.83	
160	445.98	468.40	
165	443.67	465.97	
170	440.38	462.52	
175	436.05	457.98	

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	430.63	452.28	
185	424.03	445.36	
190	416.20	437.14	
195	407.08	427.56	
200	396.61	416.57	
205	384.76	404.13	
210	371.52	390.24	
215	356.91	374.90	
220	340.97	358.17	
225	323.77	340.12	
230	305.43	320.88	
235	286.09	300.58	
240	265.91	279.40	
245	245.09	257.56	
250	223.84	235.27	
255	202.40	212.78	
260	181.00	190.34	
265	159.89	168.22	
270	139.32	146.66	
275	119.51	125.92	
280	100.68	106.24	
285	83.05	87.83	
290	66.80	70.92	
295	52.09	55.69	
300	39.07	42.34	
305	27.85	31.07	
310	18.55	22.13	
315	11.23	15.79	
320	5.97	12.23	
325	2.79	10.90	
330	1.73	10.66	
335	2.79	10.90	
340	5.97	12.23	
345	11.23	15.79	
350	18.55	22.13	
355	27.85	31.07	