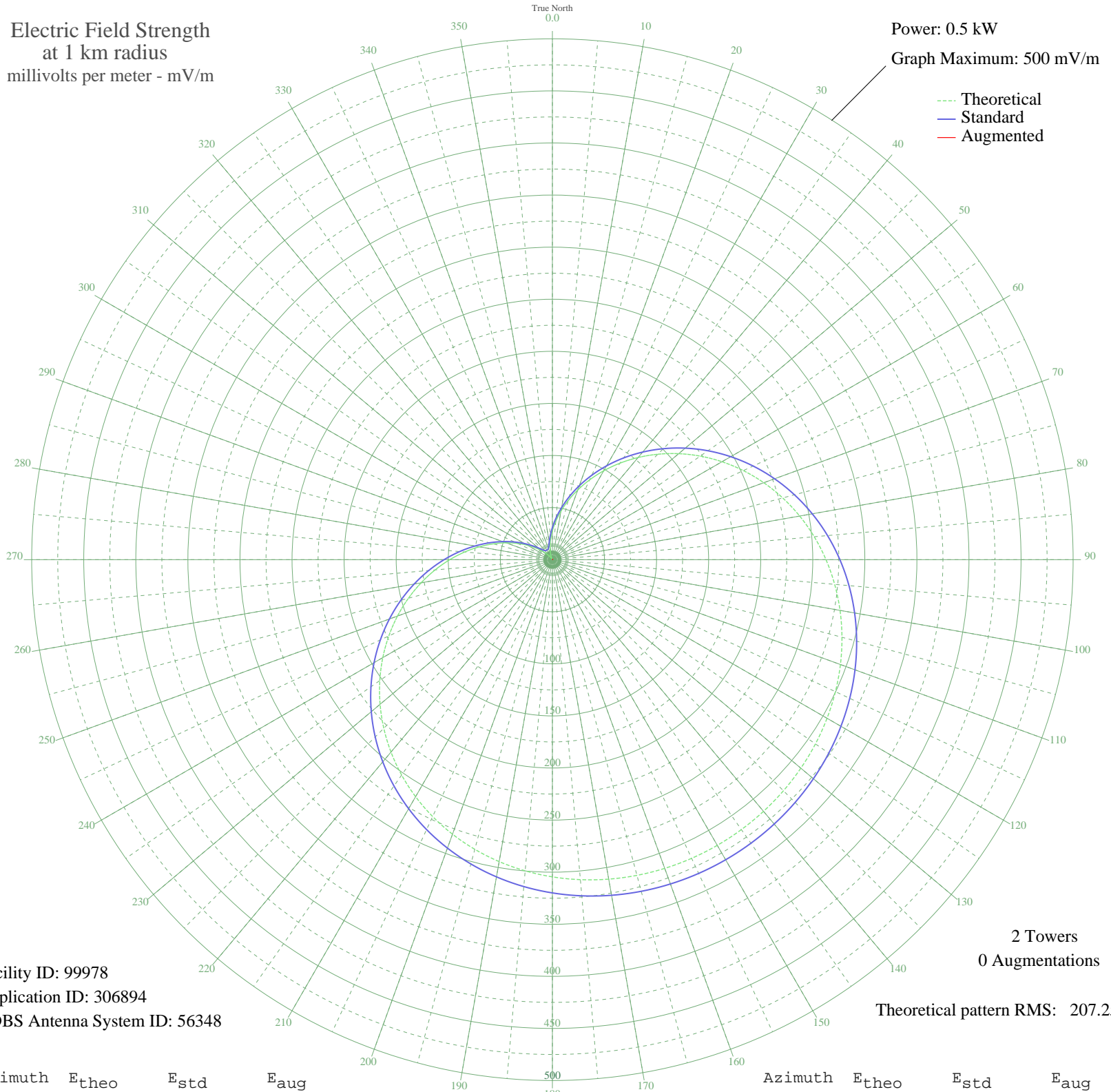


# ZYK655 SANTOS, - Brazil -- 810 kHz

Nighttime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m



Facility ID: 99978  
Application ID: 306894  
CDBS Antenna System ID: 56348

2 Towers  
0 Augmentations

Theoretical pattern RMS: 207.25

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	27.62	30.85	
5	36.83	40.07	
10	47.23	50.70	
15	58.73	62.55	
20	71.20	75.49	
25	84.51	89.35	
30	98.52	103.97	
35	113.07	119.19	
40	128.00	134.80	
45	143.13	150.65	
50	158.29	166.54	
55	173.31	182.28	
60	188.04	197.72	
65	202.31	212.68	
70	215.99	227.03	
75	228.95	240.63	
80	241.11	253.39	
85	252.38	265.21	
90	262.72	276.05	
95	272.08	285.88	
100	280.46	294.67	
105	287.86	302.44	
110	294.32	309.21	
115	299.85	315.02	
120	304.52	319.91	
125	308.35	323.94	
130	311.41	327.15	
135	313.74	329.60	
140	315.37	331.31	
145	316.34	332.32	
150	316.66	332.66	
155	316.34	332.32	
160	315.37	331.31	
165	313.74	329.60	
170	311.41	327.15	
175	308.35	323.94	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	304.52	319.91	
185	299.85	315.02	
190	294.32	309.21	
195	287.86	302.44	
200	280.46	294.67	
205	272.08	285.88	
210	262.72	276.05	
215	252.38	265.21	
220	241.11	253.39	
225	228.95	240.63	
230	215.99	227.03	
235	202.31	212.68	
240	188.04	197.72	
245	173.31	182.28	
250	158.29	166.54	
255	143.13	150.65	
260	128.00	134.80	
265	113.07	119.19	
270	98.52	103.98	
275	84.51	89.35	
280	71.20	75.49	
285	58.73	62.55	
290	47.23	50.70	
295	36.83	40.07	
300	27.62	30.85	
305	19.70	23.19	
310	13.12	17.32	
315	7.94	13.41	
320	4.22	11.40	
325	1.97	10.70	
330	1.22	10.58	
335	1.97	10.70	
340	4.22	11.40	
345	7.94	13.41	
350	13.12	17.32	
355	19.70	23.19	

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