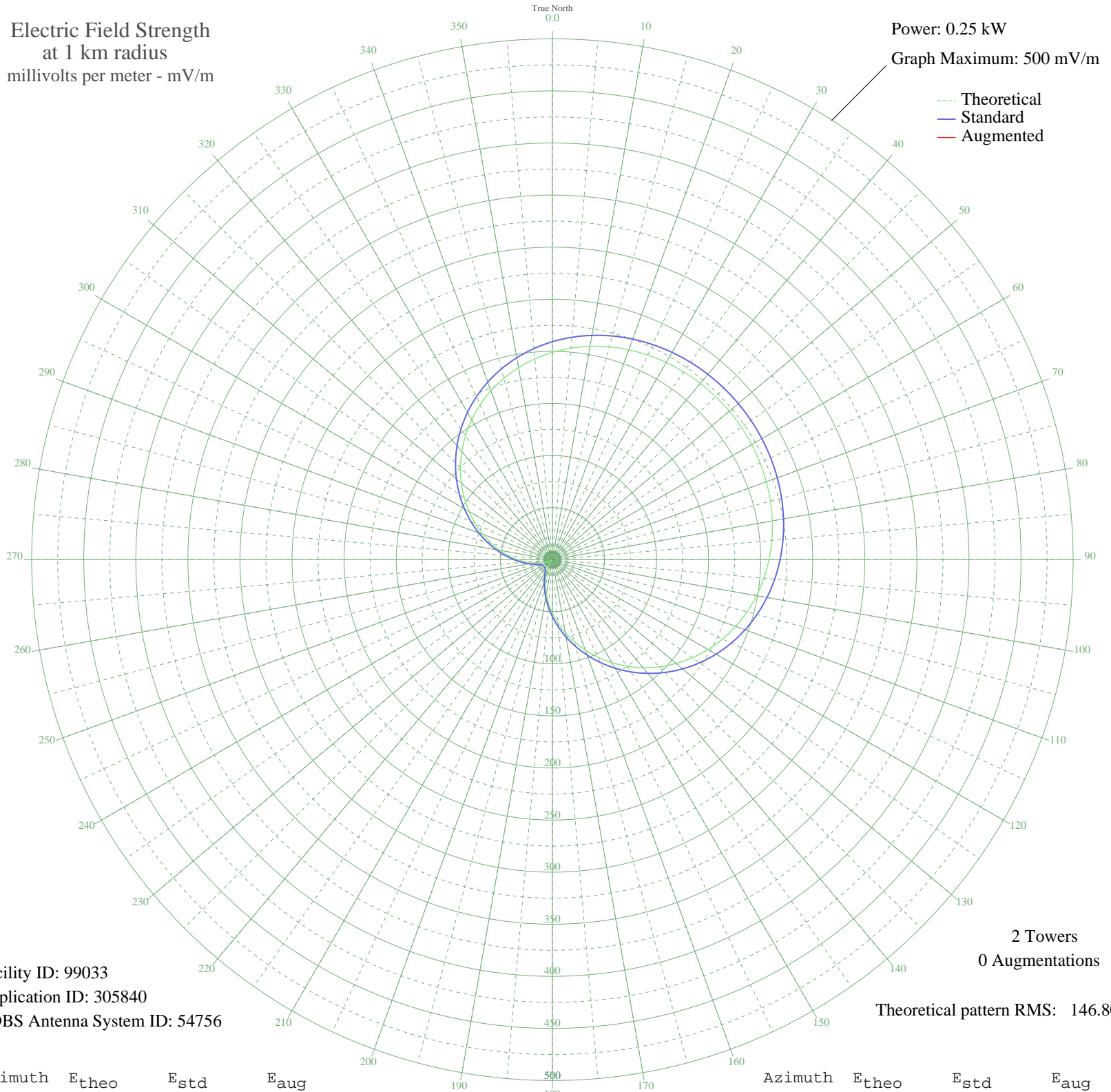


## ZYK-287 S CRUZ DO SU, - Brazil -- 550 kHz

Nighttime

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

Power: 0.25 kW  
Graph Maximum: 500 mV/m



--- Theoretical  
— Standard  
— Augmented

Facility ID: 99033  
Application ID: 305840  
CDBS Antenna System ID: 54756

2 Towers  
0 Augmentations

Theoretical pattern RMS: 146.80

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	198.99	209.21	
5	203.82	214.27	
10	207.97	218.62	
15	211.47	222.29	
20	214.38	225.34	
25	216.74	227.82	
30	218.60	229.77	
35	219.99	231.23	
40	220.96	232.25	
45	221.53	232.85	
50	221.72	233.04	
55	221.53	232.85	
60	220.96	232.25	
65	219.99	231.23	
70	218.60	229.77	
75	216.74	227.82	
80	214.38	225.34	
85	211.47	222.29	
90	207.97	218.62	
95	203.82	214.27	
100	198.99	209.21	
105	193.46	203.40	
110	187.19	196.83	
115	180.20	189.50	
120	172.48	181.41	
125	164.08	172.60	
130	155.04	163.13	
135	145.43	153.06	
140	135.34	142.49	
145	124.86	131.52	
150	114.11	120.28	
155	103.22	108.88	
160	92.30	97.49	
165	81.51	86.22	
170	70.95	75.24	
175	60.77	64.67	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	51.08	54.65	
185	41.99	45.32	
190	33.61	36.82	
195	26.01	29.26	
200	19.29	22.81	
205	13.50	17.64	
210	8.69	13.91	
215	4.91	11.70	
220	2.19	10.75	
225	0.55	10.52	
230	0.00	10.50	
235	0.55	10.52	
240	2.19	10.75	
245	4.91	11.70	
250	8.69	13.91	
255	13.50	17.64	
260	19.29	22.81	
265	26.01	29.26	
270	33.61	36.82	
275	41.99	45.32	
280	51.08	54.65	
285	60.77	64.67	
290	70.95	75.24	
295	81.51	86.22	
300	92.30	97.49	
305	103.22	108.88	
310	114.11	120.28	
315	124.86	131.52	
320	135.34	142.49	
325	145.43	153.06	
330	155.04	163.13	
335	164.08	172.60	
340	172.48	181.41	
345	180.20	189.50	
350	187.19	196.83	
355	193.46	203.40	

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