

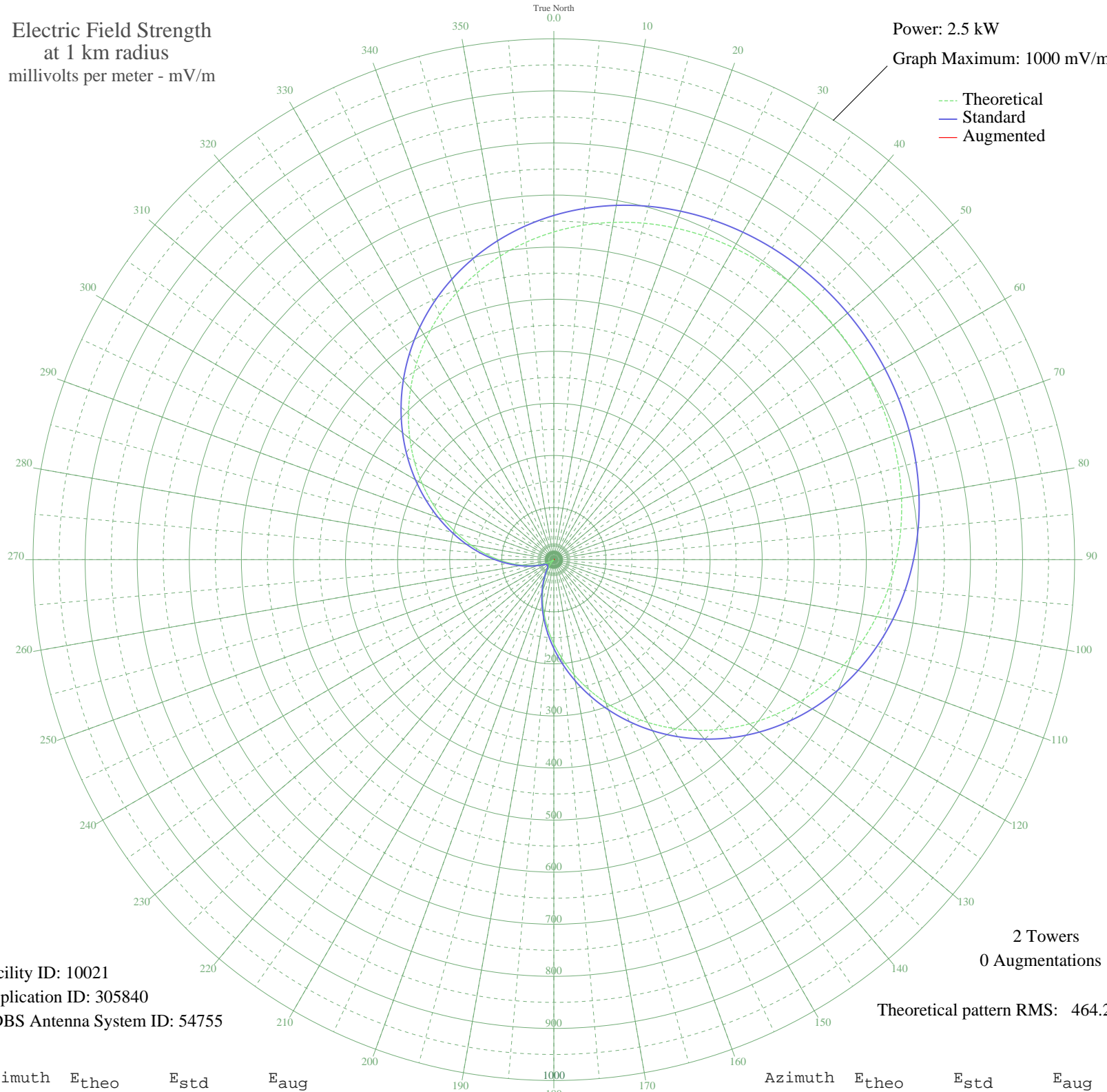
# ZYK-287 S CRUZ DO SU, - Brazil -- 550 kHz

Daytime

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

Power: 2.5 kW  
Graph Maximum: 1000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 10021  
Application ID: 305840  
CDBS Antenna System ID: 54755

2 Towers  
0 Augmentations

Theoretical pattern RMS: 464.20

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	629.24	660.91	
5	644.50	676.93	
10	657.61	690.69	
15	668.70	702.33	
20	677.90	711.99	
25	685.36	719.82	
30	691.23	725.98	
35	695.64	730.61	
40	698.71	733.83	
45	700.51	735.72	
50	701.11	736.35	
55	700.51	735.72	
60	698.71	733.83	
65	695.64	730.61	
70	691.23	725.98	
75	685.36	719.82	
80	677.90	711.99	
85	668.70	702.33	
90	657.61	690.69	
95	644.50	676.93	
100	629.24	660.91	
105	611.73	642.53	
110	591.92	621.74	
115	569.80	598.52	
120	545.40	572.92	
125	518.84	545.03	
130	490.25	515.03	
135	459.86	483.14	
140	427.95	449.65	
145	394.82	414.89	
150	360.83	379.24	
155	326.38	343.10	
160	291.88	306.92	
165	257.73	271.13	
170	224.36	236.16	
175	192.16	202.45	

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.

09 Nov 2008

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	161.52	170.40	
185	132.78	140.40	
190	106.27	112.81	
195	82.26	87.95	
200	60.99	66.16	
205	42.68	47.79	
210	27.48	33.29	
215	15.53	23.27	
220	6.92	18.12	
225	1.73	16.70	
230	0.00	16.60	
235	1.73	16.70	
240	6.92	18.12	
245	15.53	23.27	
250	27.48	33.29	
255	42.68	47.79	
260	60.99	66.16	
265	82.26	87.95	
270	106.27	112.81	
275	132.78	140.40	
280	161.52	170.40	
285	192.16	202.45	
290	224.36	236.16	
295	257.73	271.13	
300	291.88	306.92	
305	326.38	343.10	
310	360.83	379.24	
315	394.82	414.89	
320	427.95	449.65	
325	459.86	483.14	
330	490.25	515.03	
335	518.84	545.03	
340	545.40	572.92	
345	569.80	598.52	
350	591.92	621.74	
355	611.73	642.53	