

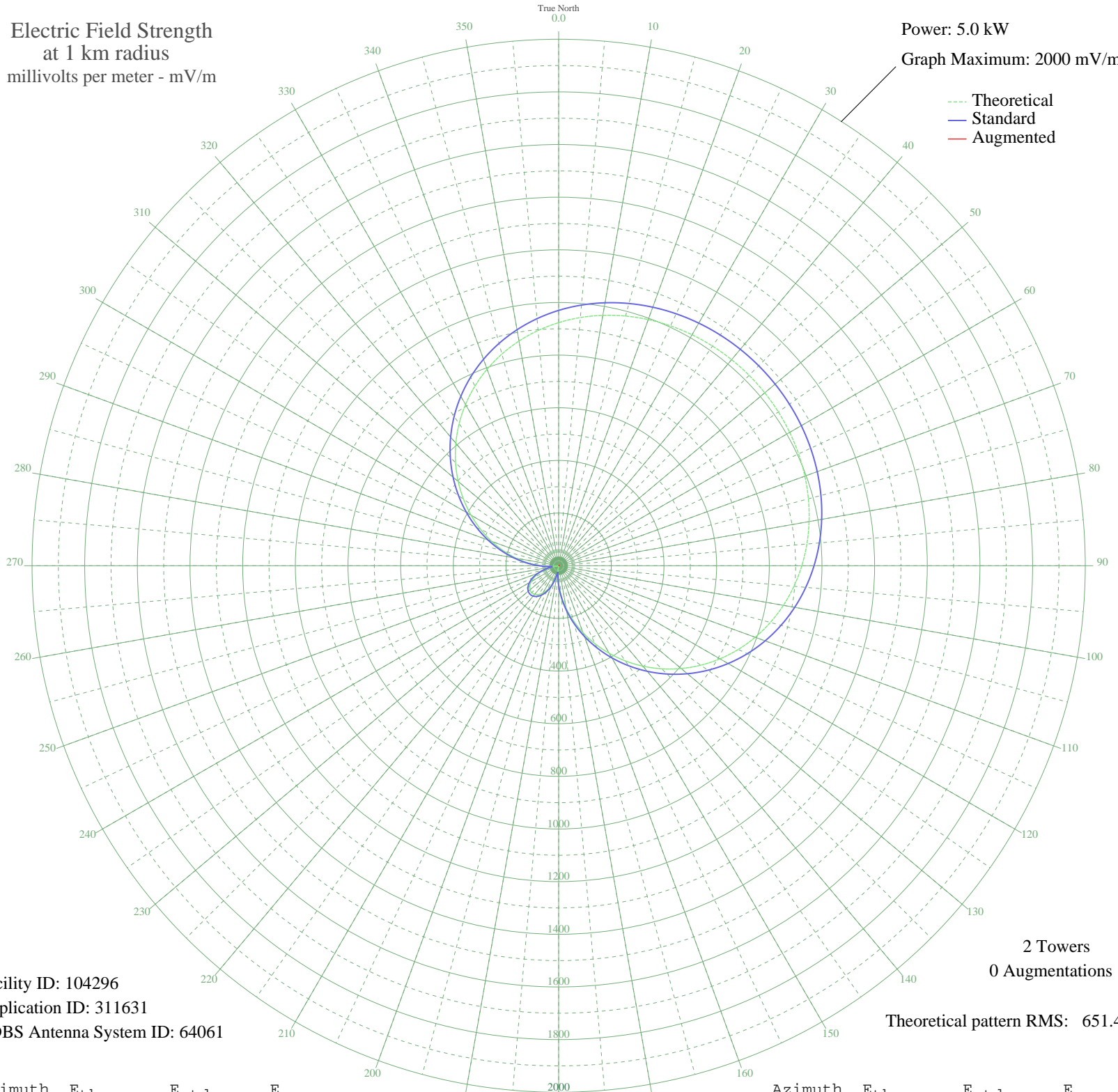
# ZYJ614 S CRUZ 2, - Brazil -- 1390 kHz

Daytime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 104296  
Application ID: 311631  
CDBS Antenna System ID: 64061

2 Towers  
0 Augmentations

Theoretical pattern RMS: 651.44

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	923.48	969.94	
5	946.35	993.95	
10	965.76	1014.32	
15	981.91	1031.28	
20	995.06	1045.08	
25	1005.43	1055.97	
30	1013.25	1064.17	
35	1018.69	1069.88	
40	1021.89	1073.24	
45	1022.95	1074.35	
50	1021.89	1073.24	
55	1018.69	1069.88	
60	1013.25	1064.17	
65	1005.43	1055.97	
70	995.06	1045.08	
75	981.91	1031.28	
80	965.76	1014.32	
85	946.35	993.95	
90	923.48	969.94	
95	896.96	942.10	
100	866.64	910.27	
105	832.46	874.40	
110	794.44	834.49	
115	752.67	790.65	
120	707.35	743.09	
125	658.79	692.13	
130	607.38	638.19	
135	553.62	581.77	
140	498.05	523.48	
145	441.30	463.96	
150	384.04	403.92	
155	326.94	344.09	
160	270.71	285.21	
165	216.01	228.02	
170	163.49	173.26	
175	113.73	121.70	

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.

04 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	67.28	74.44	
185	24.60	34.91	
190	13.88	27.63	
195	47.83	55.44	
200	76.98	84.17	
205	101.09	108.71	
210	120.01	128.18	
215	133.60	142.23	
220	141.79	150.72	
225	144.52	153.56	
230	141.79	150.72	
235	133.60	142.23	
240	120.01	128.18	
245	101.09	108.71	
250	76.98	84.17	
255	47.83	55.44	
260	13.88	27.63	
265	24.60	34.91	
270	67.28	74.44	
275	113.73	121.70	
280	163.49	173.26	
285	216.01	228.02	
290	270.71	285.21	
295	326.94	344.09	
300	384.04	403.92	
305	441.30	463.96	
310	498.05	523.48	
315	553.62	581.77	
320	607.38	638.19	
325	658.79	692.13	
330	707.35	743.09	
335	752.67	790.65	
340	794.44	834.49	
345	832.46	874.40	
350	866.64	910.27	
355	896.96	942.10	