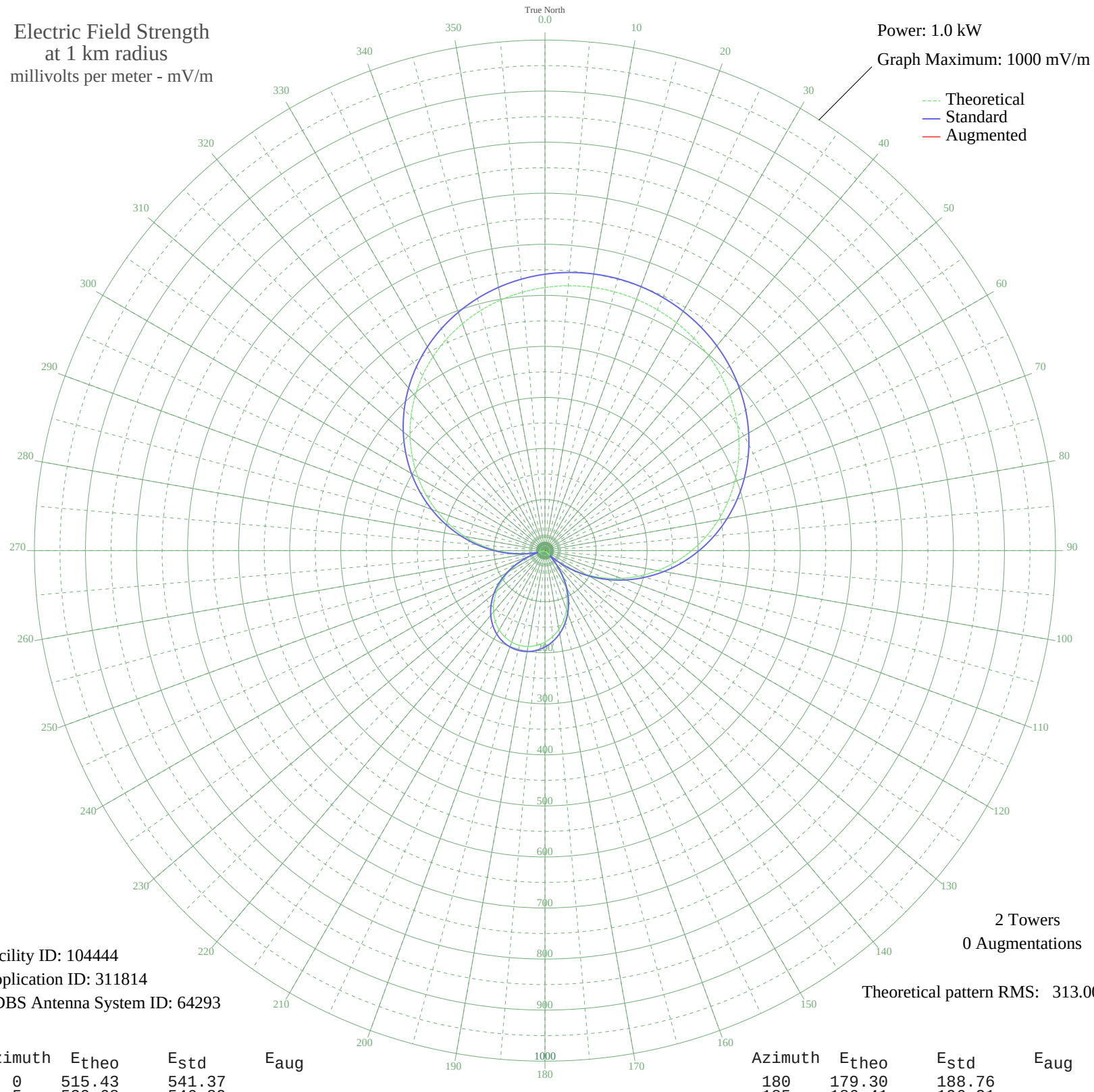
- CAMPINA GRAN, - Brazil -- 1420 kHz

Daytime

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



Power: 1.0 kW

Graph Maximum: 1000 mV/m

Theoretical
Standard
Augmented

2 Towers
0 Augmentations

Facility ID: 104444
Application ID: 311814
CDBS Antenna System ID: 64293

Theoretical pattern RMS: 313.00

Azimuth	E_{theo}	E_{std}	E_{aug}
0	515.43	541.37	
5	520.68	546.89	
10	523.83	550.19	
15	524.87	551.29	
20	523.83	550.19	
25	520.68	546.89	
30	515.43	541.37	
35	508.04	533.62	
40	498.50	523.61	
45	486.79	511.32	
50	472.89	496.73	
55	456.80	479.84	
60	438.53	460.67	
65	418.12	439.24	
70	395.62	415.63	
75	371.14	389.94	
80	344.80	362.30	
85	316.76	332.88	
90	287.22	301.90	
95	256.42	269.60	
100	224.63	236.26	
105	192.12	202.19	
110	159.21	167.74	
115	126.22	133.25	
120	93.49	99.12	
125	61.33	65.85	
130	30.07	34.45	
135	0.00	13.78	
140	28.59	33.03	
145	55.44	59.82	
150	80.34	85.47	
155	103.07	109.09	
160	123.46	130.37	
165	141.39	149.10	
170	156.73	165.14	
175	169.38	178.39	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	179.30	188.76	
185	186.41	196.21	
190	190.69	200.70	
195	192.12	202.19	
200	190.69	200.70	
205	186.41	196.21	
210	179.30	188.76	
215	169.38	178.39	
220	156.73	165.14	
225	141.39	149.10	
230	123.46	130.37	
235	103.07	109.09	
240	80.34	85.47	
245	55.44	59.82	
250	28.59	33.03	
255	0.00	13.78	
260	30.07	34.45	
265	61.33	65.85	
270	93.49	99.12	
275	126.22	133.25	
280	159.21	167.74	
285	192.12	202.19	
290	224.63	236.26	
295	256.42	269.60	
300	287.22	301.90	
305	316.76	332.88	
310	344.80	362.30	
315	371.14	389.94	
320	395.62	415.63	
325	418.12	439.24	
330	438.53	460.67	
335	456.80	479.84	
340	472.89	496.73	
345	486.79	511.32	
350	498.50	523.61	
355	508.04	533.62	

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