

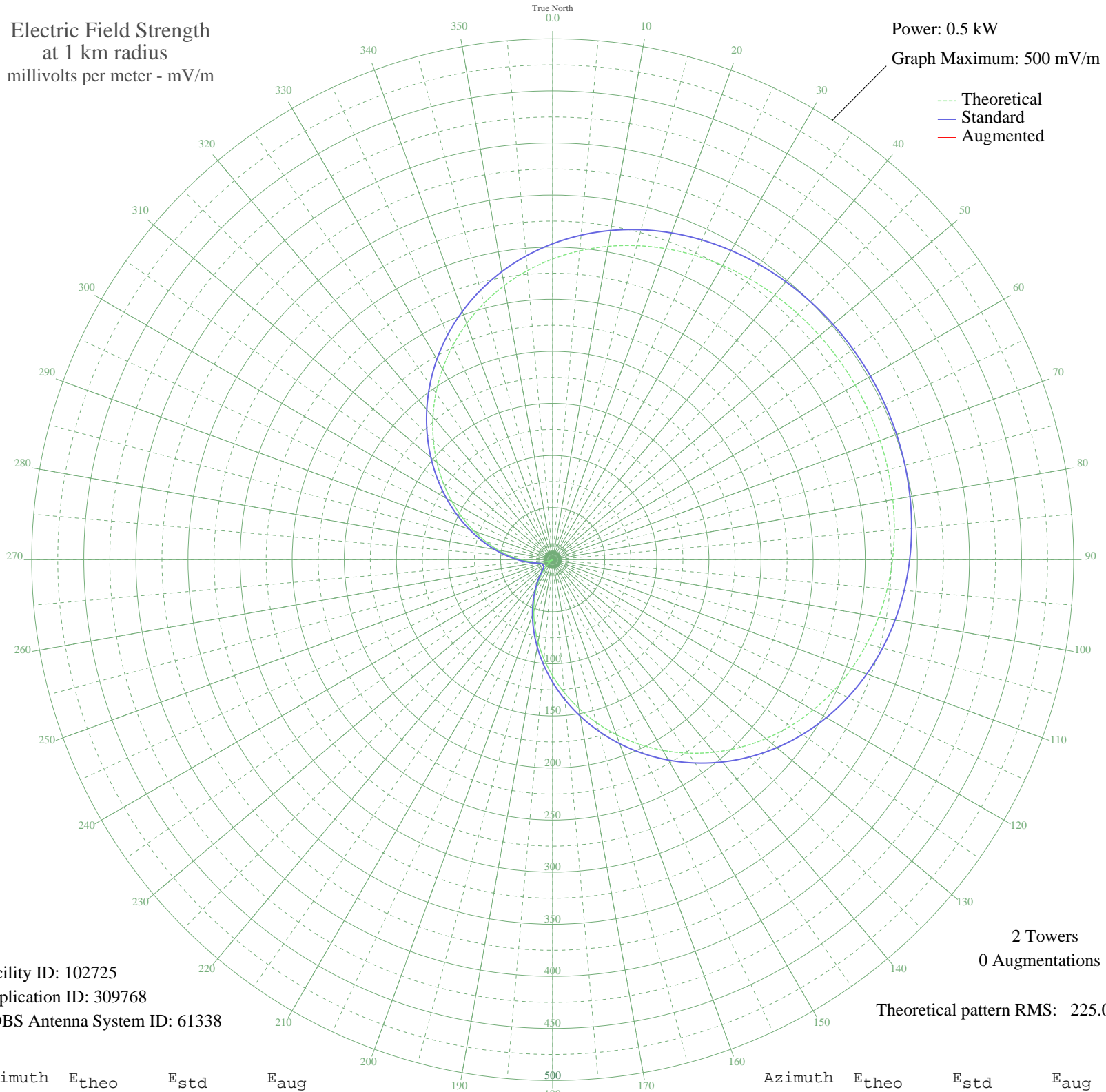
ZYK-716 CAMPINAS, - Brazil -- 1230 kHz

Nighttime

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

Power: 0.5 kW
Graph Maximum: 500 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 102725
Application ID: 309768
CDBS Antenna System ID: 61338

2 Towers
0 Augmentations

Theoretical pattern RMS: 225.09

Azimuth	E _{theo}	E _{std}	E _{aug}
0	288.66	303.28	
5	297.61	312.67	
10	305.40	320.84	
15	312.08	327.85	
20	317.71	333.76	
25	322.38	338.67	
30	326.18	342.65	
35	329.20	345.82	
40	331.53	348.27	
45	333.25	350.07	
50	334.43	351.31	
55	335.12	352.03	
60	335.34	352.27	
65	335.12	352.03	
70	334.43	351.31	
75	333.25	350.07	
80	331.53	348.27	
85	329.20	345.82	
90	326.18	342.65	
95	322.38	338.67	
100	317.71	333.76	
105	312.08	327.85	
110	305.40	320.84	
115	297.61	312.67	
120	288.66	303.28	
125	278.53	292.64	
130	267.21	280.77	
135	254.75	267.70	
140	241.22	253.50	
145	226.70	238.27	
150	211.34	222.16	
155	195.30	205.33	
160	178.75	187.98	
165	161.89	170.30	
170	144.93	152.54	
175	128.09	134.91	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	111.59	117.64	
185	95.64	100.97	
190	80.43	85.10	
195	66.15	70.24	
200	52.95	56.58	
205	41.00	44.31	
210	30.40	33.61	
215	21.28	24.68	
220	13.70	17.81	
225	7.74	13.28	
230	3.45	11.11	
235	0.86	10.54	
240	0.00	10.50	
245	0.86	10.54	
250	3.45	11.11	
255	7.74	13.28	
260	13.70	17.81	
265	21.28	24.68	
270	30.40	33.61	
275	41.00	44.31	
280	52.95	56.58	
285	66.15	70.24	
290	80.43	85.10	
295	95.64	100.97	
300	111.59	117.64	
305	128.09	134.91	
310	144.93	152.54	
315	161.89	170.30	
320	178.75	187.98	
325	195.30	205.33	
330	211.34	222.16	
335	226.70	238.27	
340	241.22	253.50	
345	254.75	267.70	
350	267.21	280.77	
355	278.53	292.64	

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