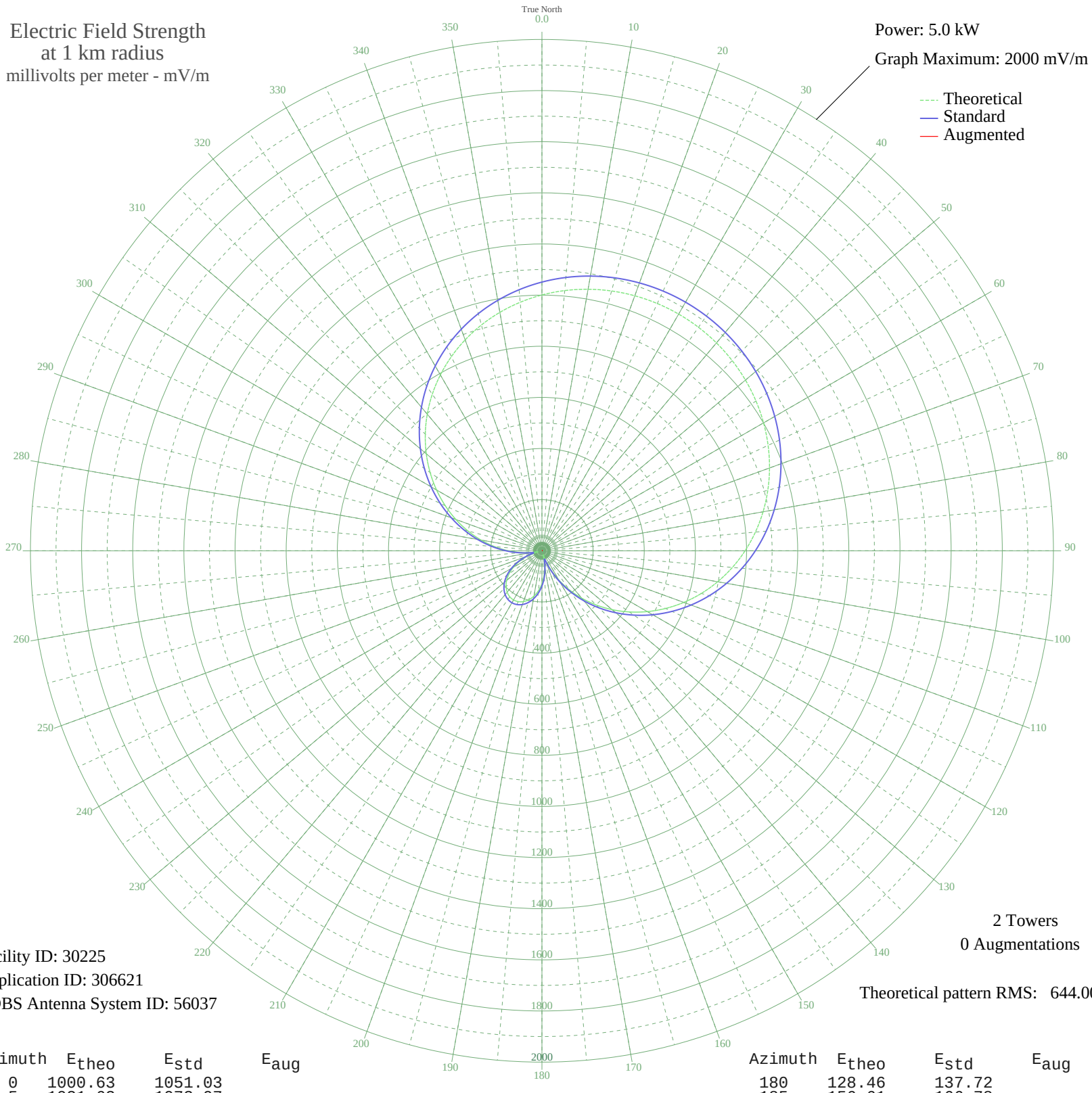
ZYL213 CONTAGEM, - Brazil -- 750 kHz

Nighttime

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



Power: 5.0 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented

2 Towers
0 Augmentations

Facility ID: 30225
Application ID: 306621
CDBS Antenna System ID: 56037

Theoretical pattern RMS: 644.00

Azimuth	E_{theo}	E_{std}	E_{aug}
0	1000.63	1051.03	
5	1021.63	1073.07	
10	1038.75	1091.04	
15	1052.03	1104.98	
20	1061.48	1114.90	
25	1067.14	1120.85	
30	1069.03	1122.83	
35	1067.14	1120.85	
40	1061.48	1114.90	
45	1052.03	1104.98	
50	1038.75	1091.05	
55	1021.63	1073.07	
60	1000.63	1051.03	
65	975.75	1024.91	
70	946.98	994.72	
75	914.36	960.48	
80	877.96	922.27	
85	837.89	880.22	
90	794.31	834.49	
95	747.46	785.33	
100	697.61	733.01	
105	645.09	677.91	
110	590.30	620.44	
115	533.70	561.08	
120	475.77	500.34	
125	417.05	438.79	
130	358.09	377.03	
135	299.47	315.67	
140	241.77	255.38	
145	185.58	196.83	
150	131.49	140.84	
155	80.23	88.71	
160	33.55	44.89	
165	21.65	35.93	
170	59.06	67.97	
175	95.75	104.32	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	128.46	137.72	
185	156.61	166.78	
190	179.95	190.98	
195	198.27	210.03	
200	211.44	223.75	
205	219.38	232.02	
210	222.03	234.79	
215	219.38	232.02	
220	211.44	223.75	
225	198.27	210.03	
230	179.95	190.98	
235	156.61	166.78	
240	128.46	137.72	
245	95.75	104.32	
250	59.06	67.97	
255	21.65	35.93	
260	33.55	44.89	
265	80.23	88.71	
270	131.49	140.84	
275	185.58	196.83	
280	241.77	255.38	
285	299.47	315.67	
290	358.09	377.03	
295	417.05	438.79	
300	475.77	500.34	
305	533.70	561.08	
310	590.30	620.44	
315	645.09	677.91	
320	697.61	733.01	
325	747.46	785.33	
330	794.31	834.49	
335	837.89	880.22	
340	877.96	922.27	
345	914.36	960.48	
350	946.98	994.72	
355	975.75	1024.91	

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.

28 Sep 2008

Prepared by Audio Division, Media Bureau
Federal Communications Commission