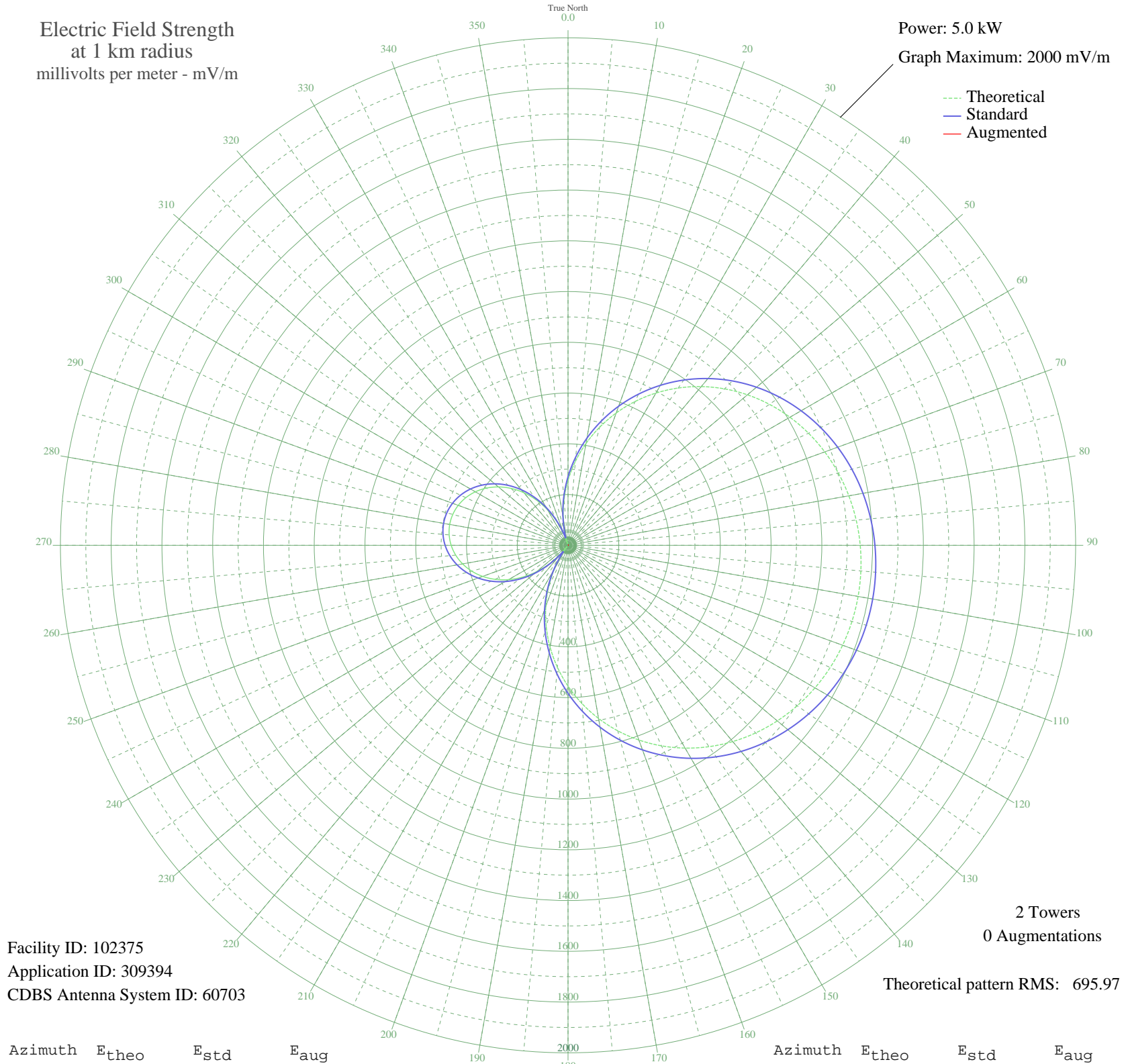


ZYL221 BELO HORIZON, - Brazil -- 1190 kHz

Nighttime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 102375
Application ID: 309394
CDBS Antenna System ID: 60703

2 Towers
0 Augmentations
Theoretical pattern RMS: 695.97

Azimuth	E _{theo}	E _{std}	E _{aug}
0	255.90	270.28	
5	331.76	349.57	
10	407.40	428.76	
15	482.03	506.98	
20	554.94	583.42	
25	625.43	657.35	
30	692.88	728.11	
35	756.75	795.12	
40	816.58	857.91	
45	872.02	916.08	
50	922.78	969.36	
55	968.68	1017.53	
60	1009.61	1060.49	
65	1045.52	1098.19	
70	1076.43	1130.63	
75	1102.39	1157.88	
80	1123.47	1180.01	
85	1139.75	1197.09	
90	1151.31	1209.23	
95	1158.22	1216.48	
100	1160.52	1218.90	
105	1158.22	1216.48	
110	1151.31	1209.23	
115	1139.75	1197.09	
120	1123.47	1180.01	
125	1102.39	1157.88	
130	1076.43	1130.63	
135	1045.52	1098.19	
140	1009.61	1060.49	
145	968.68	1017.53	
150	922.78	969.36	
155	872.02	916.08	
160	816.58	857.91	
165	756.75	795.12	
170	692.88	728.11	
175	625.43	657.35	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	554.94	583.42	
185	482.03	506.98	
190	407.40	428.76	
195	331.76	349.57	
200	255.90	270.28	
205	180.60	191.87	
210	106.63	115.71	
215	34.75	46.74	
220	34.34	46.41	
225	99.97	108.96	
230	161.55	172.12	
235	218.55	231.33	
240	270.53	285.56	
245	317.11	334.25	
250	357.99	377.02	
255	392.92	413.60	
260	421.71	443.76	
265	444.23	467.35	
270	460.38	484.28	
275	470.09	494.46	
280	473.33	497.85	
285	470.09	494.46	
290	460.38	484.28	
295	444.23	467.35	
300	421.71	443.76	
305	392.92	413.60	
310	357.99	377.02	
315	317.11	334.25	
320	270.53	285.56	
325	218.55	231.33	
330	161.55	172.12	
335	99.97	108.96	
340	34.34	46.41	
345	34.75	46.74	
350	106.63	115.71	
355	180.60	191.87	

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.

13 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission