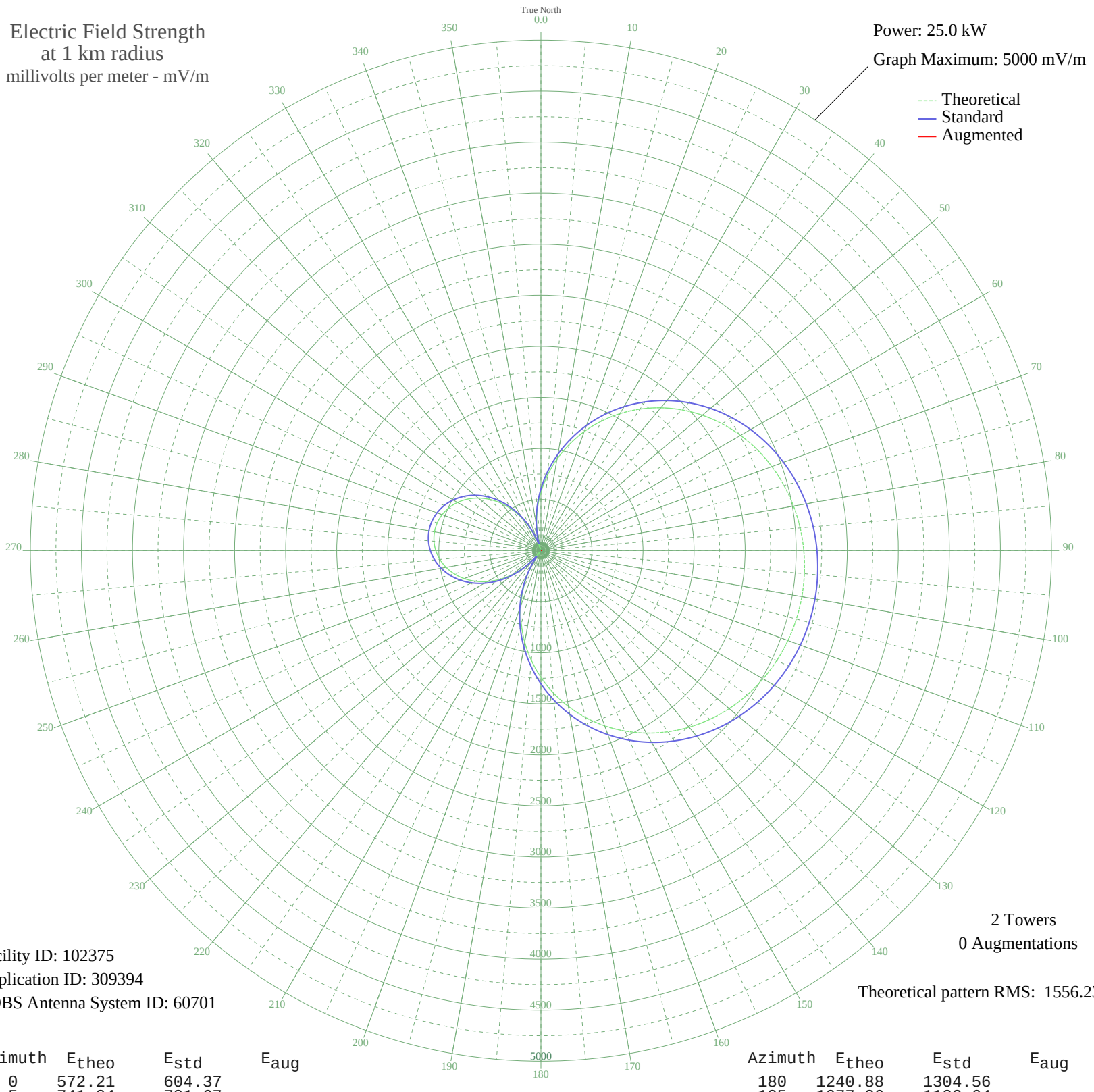
ZYL221 BELO HORIZON, - Brazil -- 1190 kHz

Daytime

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



Power: 25.0 kW

Graph Maximum: 5000 mV/m

Theoretical
Standard
Augmented

2 Towers
0 Augmentations

Facility ID: 102375
Application ID: 309394
CDBS Antenna System ID: 60701

Theoretical pattern RMS: 1556.23

Azimuth	E_{theo}	E_{std}	E_{aug}
0	572.21	604.37	
5	741.84	781.67	
10	910.96	958.74	
15	1077.86	1133.63	
20	1240.88	1304.56	
25	1398.49	1469.87	
30	1549.31	1628.09	
35	1692.13	1777.94	
40	1825.92	1918.33	
45	1949.88	2048.41	
50	2063.38	2167.54	
55	2166.02	2275.26	
60	2257.54	2371.32	
65	2337.85	2455.61	
70	2406.97	2528.16	
75	2465.01	2589.09	
80	2512.15	2638.56	
85	2548.55	2676.77	
90	2574.40	2703.91	
95	2589.85	2720.13	
100	2594.99	2725.52	
105	2589.85	2720.13	
110	2574.40	2703.91	
115	2548.55	2676.77	
120	2512.15	2638.56	
125	2465.01	2589.09	
130	2406.97	2528.16	
135	2337.85	2455.61	
140	2257.54	2371.32	
145	2166.02	2275.26	
150	2063.38	2167.54	
155	1949.88	2048.42	
160	1825.92	1918.33	
165	1692.13	1777.94	
170	1549.32	1628.09	
175	1398.49	1469.87	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	1240.88	1304.56	
185	1077.86	1133.64	
190	910.96	958.74	
195	741.84	781.67	
200	572.22	604.37	
205	403.83	429.03	
210	238.43	258.74	
215	77.70	104.52	
220	76.78	103.77	
225	223.53	243.63	
230	361.22	384.87	
235	488.69	517.27	
240	604.92	638.52	
245	709.08	747.40	
250	800.49	843.04	
255	878.59	924.83	
260	942.97	992.27	
265	993.32	1045.03	
270	1029.43	1082.87	
275	1051.15	1105.63	
280	1058.39	1113.23	
285	1051.15	1105.63	
290	1029.43	1082.87	
295	993.32	1045.03	
300	942.97	992.27	
305	878.59	924.83	
310	800.49	843.05	
315	709.08	747.40	
320	604.92	638.52	
325	488.69	517.27	
330	361.23	384.87	
335	223.53	243.63	
340	76.78	103.77	
345	77.70	104.52	
350	238.43	258.74	
355	403.83	429.03	

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.

31 Aug 2008

Prepared by Audio Division, Media Bureau
Federal Communications Commission