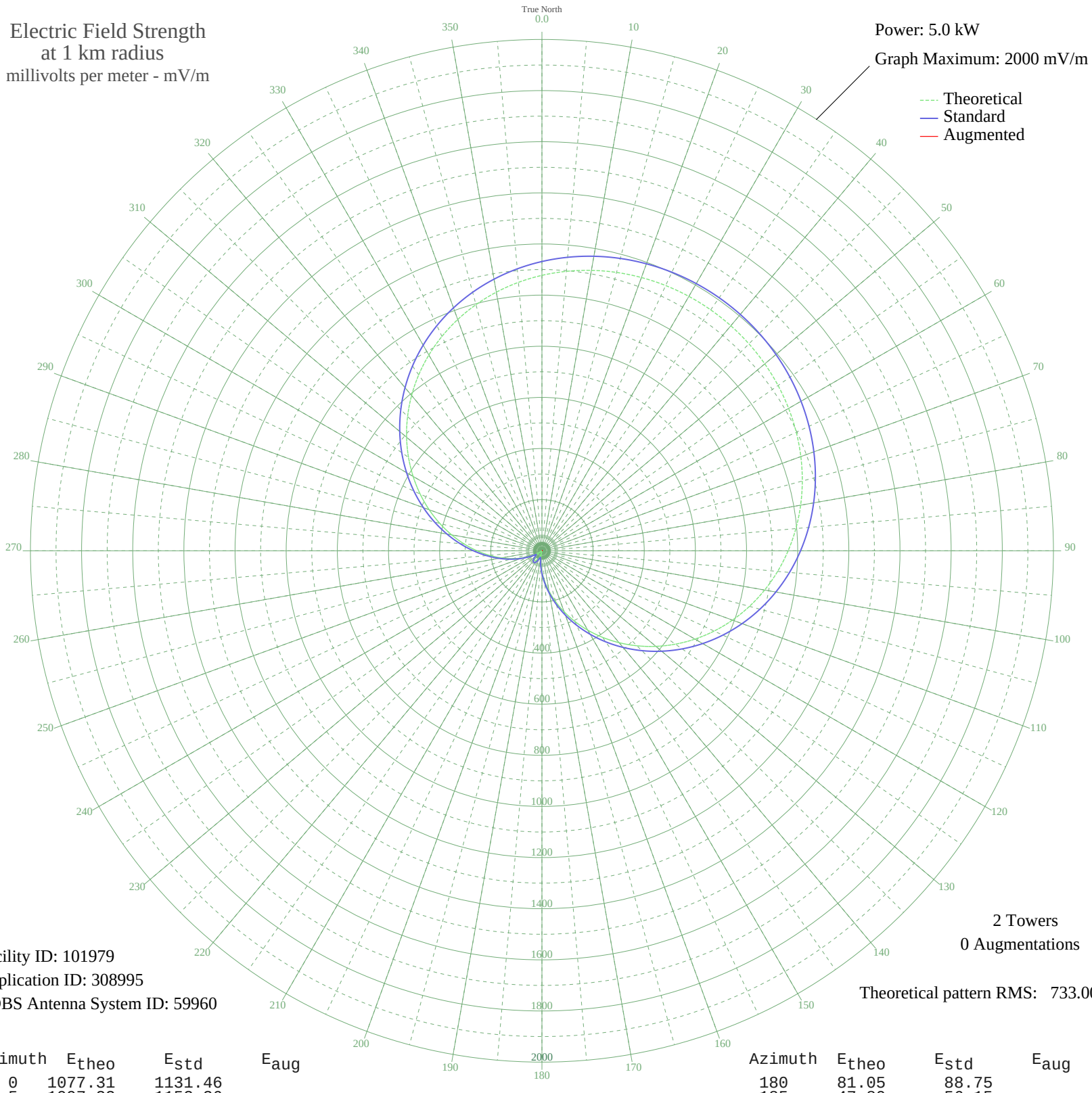
ZYL-283 BELO HORIZON, - Brazil -- 1150 kHz

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: 101979
Application ID: 308995
CDBS Antenna System ID: 59960

Theoretical pattern RMS: 733.00

Azimuth	E_{theo}	E_{std}	E_{aug}
0	1077.31	1131.46	
5	1097.22	1152.36	
10	1113.80	1169.76	
15	1127.17	1183.79	
20	1137.43	1194.57	
25	1144.68	1202.18	
30	1149.00	1206.71	
35	1150.44	1208.22	
40	1149.00	1206.71	
45	1144.68	1202.18	
50	1137.43	1194.57	
55	1127.17	1183.79	
60	1113.80	1169.76	
65	1097.22	1152.36	
70	1077.31	1131.46	
75	1053.97	1106.96	
80	1027.12	1078.77	
85	996.70	1046.84	
90	962.70	1011.15	
95	925.18	971.76	
100	884.23	928.79	
105	840.04	882.40	
110	792.86	832.88	
115	743.00	780.55	
120	690.85	725.83	
125	636.87	669.19	
130	581.57	611.16	
135	525.49	552.33	
140	469.21	493.31	
145	413.33	434.73	
150	358.45	377.22	
155	305.16	321.41	
160	254.03	267.91	
165	205.58	217.32	
170	160.31	170.20	
175	118.67	127.13	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	81.05	88.75	
185	47.80	56.15	
190	19.20	32.25	
195	4.52	25.62	
200	23.15	35.00	
205	36.56	45.91	
210	44.64	53.21	
215	47.34	55.72	
220	44.64	53.21	
225	36.56	45.91	
230	23.15	35.00	
235	4.52	25.62	
240	19.20	32.25	
245	47.80	56.15	
250	81.05	88.75	
255	118.67	127.13	
260	160.31	170.20	
265	205.58	217.32	
270	254.03	267.91	
275	305.16	321.41	
280	358.45	377.22	
285	413.33	434.73	
290	469.21	493.31	
295	525.49	552.33	
300	581.57	611.16	
305	636.87	669.19	
310	690.85	725.83	
315	743.00	780.55	
320	792.86	832.88	
325	840.04	882.40	
330	884.23	928.79	
335	925.18	971.76	
340	962.70	1011.15	
345	996.70	1046.84	
350	1027.12	1078.77	
355	1053.97	1106.96	

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