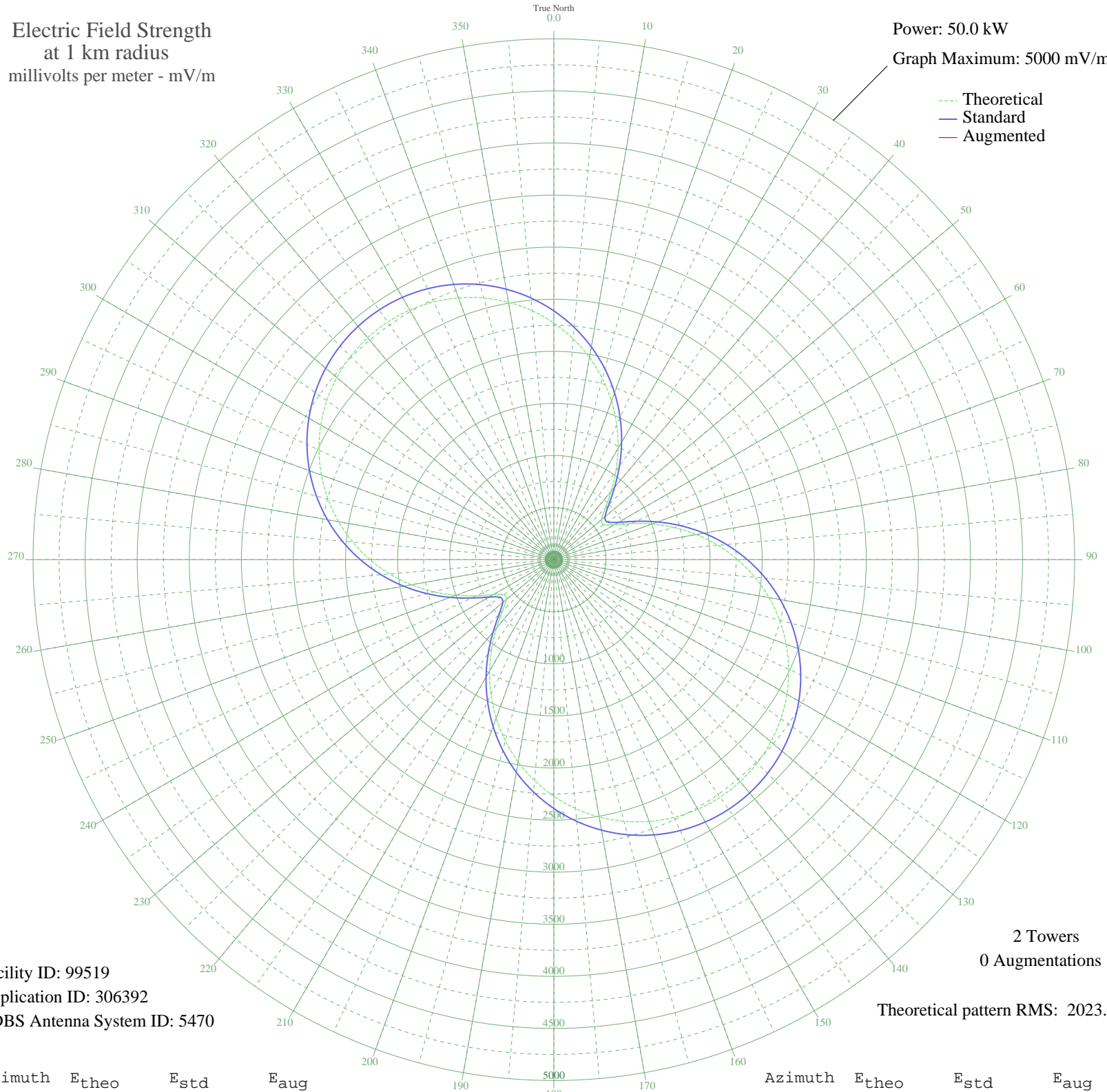


ZYL228 BELO HORIZON, - Brazil -- 690 kHz

Daytime

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

Power: 50.0 kW
Graph Maximum: 5000 mV/m



Facility ID: 99519
Application ID: 306392
CDBS Antenna System ID: 5470

2 Towers
0 Augmentations

Theoretical pattern RMS: 2023.53

Azimuth	E _{theo}	E _{std}	E _{aug}
0	2271.23	2388.50	
5	2128.39	2238.77	
10	1970.81	2073.63	
15	1800.06	1894.73	
20	1618.13	1704.23	
25	1427.70	1504.98	
30	1232.52	1300.97	
35	1038.24	1098.24	
40	854.27	906.79	
45	697.54	744.40	
50	597.29	641.10	
55	587.26	630.80	
60	671.81	717.83	
65	820.01	871.22	
70	1000.22	1058.62	
75	1193.37	1260.07	
80	1388.90	1464.40	
85	1580.62	1664.98	
90	1764.49	1857.48	
95	1937.66	2038.89	
100	2098.01	2206.93	
105	2243.91	2359.85	
110	2374.06	2496.31	
115	2487.47	2615.22	
120	2583.34	2715.77	
125	2661.08	2797.29	
130	2720.23	2859.33	
135	2760.47	2901.55	
140	2781.61	2923.72	
145	2783.53	2925.74	
150	2766.23	2907.59	
155	2729.80	2869.37	
160	2674.40	2811.27	
165	2600.35	2733.61	
170	2508.07	2636.83	
175	2398.11	2521.53	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	2271.23	2388.50	
185	2128.39	2238.77	
190	1970.82	2073.63	
195	1800.06	1894.74	
200	1618.13	1704.24	
205	1427.71	1504.98	
210	1232.52	1300.97	
215	1038.24	1098.24	
220	854.27	906.79	
225	697.55	744.40	
230	597.29	641.10	
235	587.26	630.80	
240	671.81	717.83	
245	820.01	871.22	
250	1000.22	1058.62	
255	1193.36	1260.07	
260	1388.90	1464.40	
265	1580.62	1664.97	
270	1764.49	1857.48	
275	1937.66	2038.89	
280	2098.01	2206.92	
285	2243.90	2359.85	
290	2374.06	2496.31	
295	2487.46	2615.22	
300	2583.34	2715.76	
305	2661.07	2797.29	
310	2720.22	2859.33	
315	2760.47	2901.54	
320	2781.61	2923.71	
325	2783.53	2925.73	
330	2766.23	2907.59	
335	2729.79	2869.37	
340	2674.40	2811.27	
345	2600.35	2733.61	
350	2508.06	2636.82	
355	2398.11	2521.52	

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