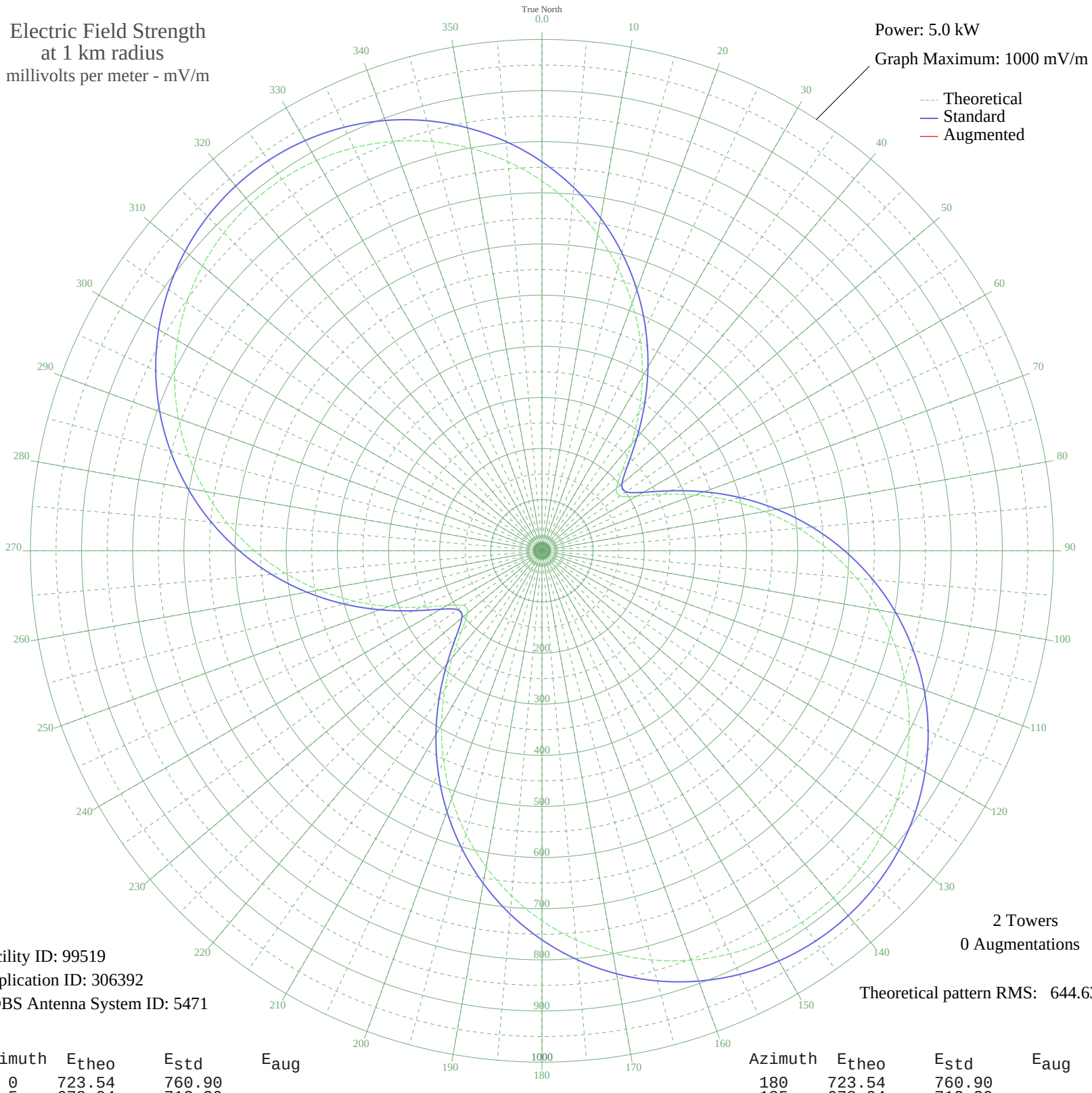
ZYL228 BELO HORIZON, - Brazil -- 690 kHz

Nighttime

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



Power: 5.0 kW

Graph Maximum: 1000 mV/m

Theoretical
Standard
Augmented

2 Towers
0 Augmentations

Facility ID: 99519
Application ID: 306392
CDBS Antenna System ID: 5471

Theoretical pattern RMS: 644.63

Azimuth	E_{theo}	E_{std}	E_{aug}
0	723.54	760.90	
5	678.04	713.20	
10	627.84	660.59	
15	573.44	603.60	
20	515.48	542.91	
25	454.82	479.44	
30	392.64	414.44	
35	330.75	349.86	
40	272.14	288.87	
45	222.21	237.14	
50	190.28	204.23	
55	187.08	200.95	
60	214.02	228.68	
65	261.23	277.54	
70	318.64	337.24	
75	380.17	401.42	
80	442.46	466.51	
85	503.53	530.41	
90	562.11	591.73	
95	617.28	649.52	
100	668.36	703.05	
105	714.83	751.77	
110	756.30	795.24	
115	792.42	833.12	
120	822.97	865.15	
125	847.73	891.13	
130	866.57	910.89	
135	879.40	924.34	
140	886.13	931.40	
145	886.74	932.04	
150	881.23	926.26	
155	869.62	914.09	
160	851.98	895.58	
165	828.39	870.84	
170	798.99	840.01	
175	763.96	803.28	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	723.54	760.90	
185	678.04	713.20	
190	627.84	660.59	
195	573.44	603.60	
200	515.48	542.91	
205	454.82	479.44	
210	392.64	414.45	
215	330.75	349.86	
220	272.14	288.87	
225	222.22	237.14	
230	190.28	204.23	
235	187.08	200.95	
240	214.02	228.68	
245	261.23	277.54	
250	318.64	337.24	
255	380.17	401.42	
260	442.46	466.51	
265	503.53	530.41	
270	562.11	591.73	
275	617.27	649.52	
280	668.36	703.05	
285	714.83	751.77	
290	756.30	795.24	
295	792.42	833.12	
300	822.97	865.15	
305	847.73	891.12	
310	866.57	910.89	
315	879.39	924.34	
320	886.13	931.40	
325	886.74	932.04	
330	881.23	926.26	
335	869.62	914.09	
340	851.98	895.58	
345	828.39	870.84	
350	798.99	840.00	
355	763.96	803.27	

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