

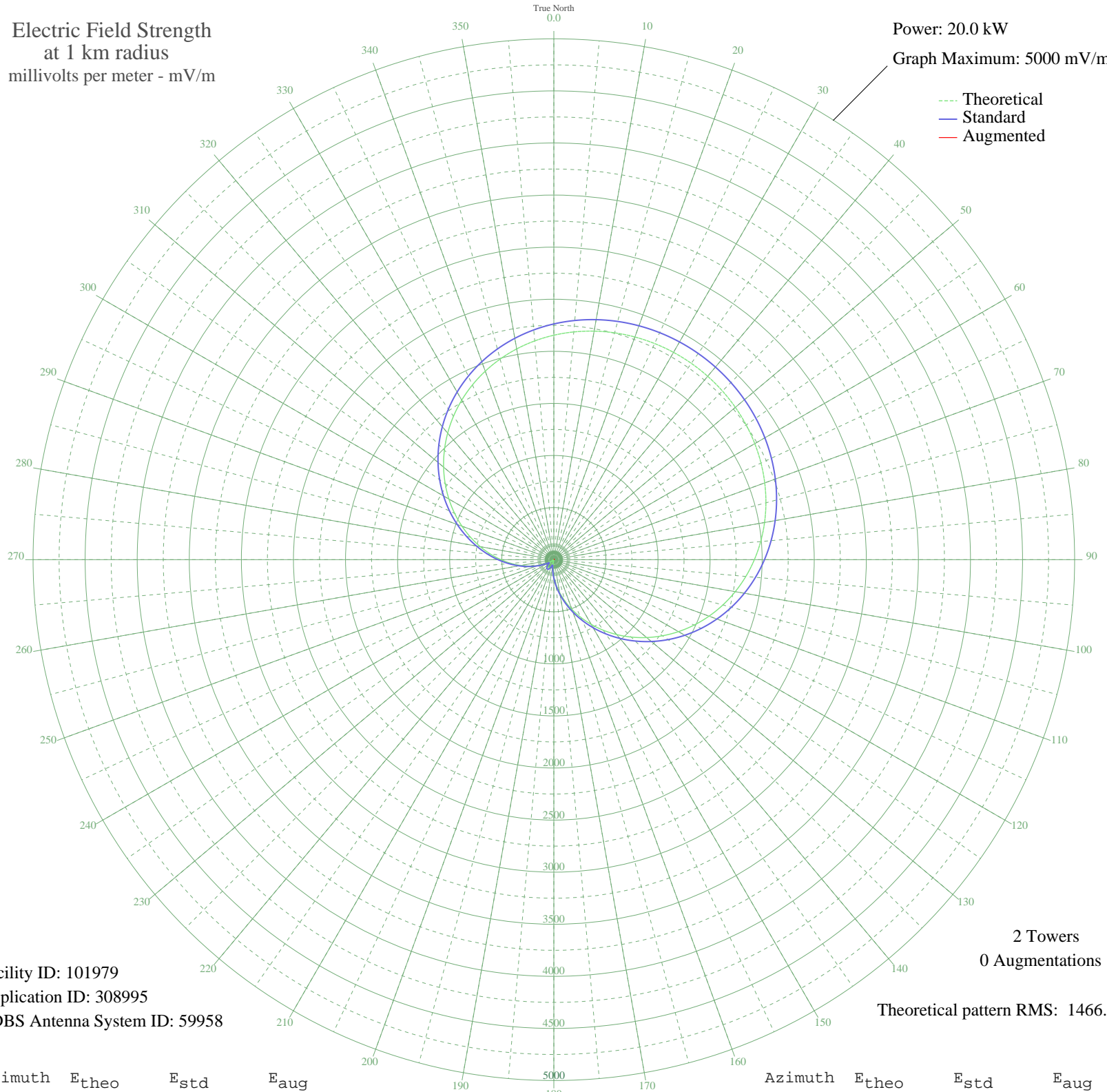
# ZYL-283 BELO HORIZON, - Brazil -- 1150 kHz

Daytime

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

Power: 20.0 kW  
Graph Maximum: 5000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 101979  
Application ID: 308995  
CDBS Antenna System ID: 59958

2 Towers  
0 Augmentations  
Theoretical pattern RMS: 1466.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	2154.63	2262.92	
5	2194.44	2304.71	
10	2227.60	2339.52	
15	2254.33	2367.59	
20	2274.86	2389.13	
25	2289.36	2404.36	
30	2298.00	2413.43	
35	2300.87	2416.44	
40	2298.00	2413.43	
45	2289.36	2404.36	
50	2274.86	2389.13	
55	2254.33	2367.59	
60	2227.60	2339.52	
65	2194.44	2304.71	
70	2154.63	2262.92	
75	2107.95	2213.92	
80	2054.24	2157.54	
85	1993.40	2093.68	
90	1925.41	2022.31	
95	1850.36	1943.53	
100	1768.46	1857.57	
105	1680.08	1764.81	
110	1585.71	1665.76	
115	1485.99	1561.10	
120	1381.70	1451.66	
125	1273.74	1338.38	
130	1163.13	1222.33	
135	1050.97	1104.67	
140	938.42	986.62	
145	826.66	869.45	
150	716.90	754.43	
155	610.32	642.82	
160	508.05	535.83	
165	411.16	434.64	
170	320.63	340.40	
175	237.35	254.25	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	162.11	177.51	
185	95.60	112.30	
190	38.39	64.51	
195	9.03	51.25	
200	46.30	70.00	
205	73.12	91.82	
210	89.29	106.42	
215	94.69	111.45	
220	89.29	106.42	
225	73.12	91.82	
230	46.30	70.00	
235	9.03	51.25	
240	38.39	64.51	
245	95.60	112.30	
250	162.11	177.51	
255	237.35	254.25	
260	320.63	340.40	
265	411.16	434.64	
270	508.05	535.83	
275	610.32	642.82	
280	716.90	754.43	
285	826.66	869.45	
290	938.42	986.62	
295	1050.97	1104.67	
300	1163.13	1222.33	
305	1273.74	1338.38	
310	1381.70	1451.66	
315	1485.99	1561.10	
320	1585.71	1665.76	
325	1680.08	1764.81	
330	1768.46	1857.57	
335	1850.36	1943.53	
340	1925.41	2022.31	
345	1993.40	2093.68	
350	2054.24	2157.54	
355	2107.95	2213.92	

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