

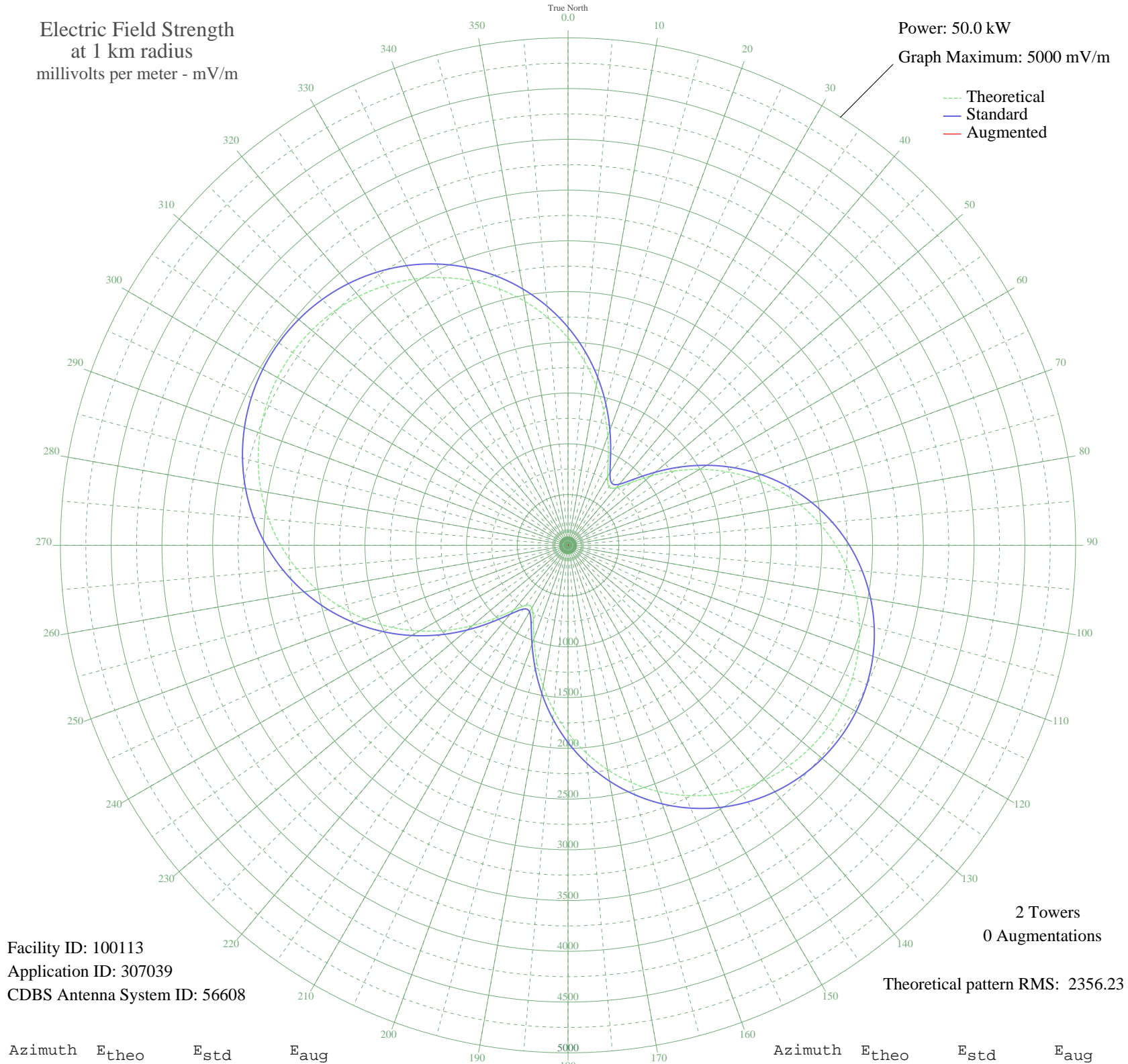
ZYK687 SAO PAULO, - Brazil -- 840 kHz

Nighttime

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

Power: 50.0 kW
Graph Maximum: 5000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 100113
Application ID: 307039
CDBS Antenna System ID: 56608

2 Towers
0 Augmentations
Theoretical pattern RMS: 2356.23

Azimuth	E _{theo}	E _{std}	E _{aug}
0	2042.35	2147.71	
5	1824.05	1918.89	
10	1597.37	1681.38	
15	1367.65	1440.88	
20	1143.36	1206.32	
25	938.92	992.91	
30	779.82	827.28	
35	704.27	748.84	
40	740.32	786.25	
45	872.32	923.51	
50	1060.68	1119.95	
55	1274.84	1343.78	
60	1497.22	1576.50	
65	1717.79	1807.54	
70	1930.46	2030.42	
75	2131.19	2240.86	
80	2317.17	2435.89	
85	2486.39	2613.37	
90	2637.37	2771.75	
95	2769.04	2909.89	
100	2880.67	3027.01	
105	2971.72	3122.54	
110	3041.86	3196.13	
115	3090.86	3247.55	
120	3118.59	3276.65	
125	3124.99	3283.36	
130	3110.05	3267.69	
135	3073.80	3229.65	
140	3016.33	3169.35	
145	2937.80	3086.94	
150	2838.46	2982.72	
155	2718.74	2857.12	
160	2579.24	2710.77	
165	2420.82	2544.60	
170	2244.69	2359.88	
175	2052.53	2158.39	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	1846.63	1942.55	
185	1630.23	1715.81	
190	1408.04	1483.14	
195	1187.43	1252.38	
200	980.87	1036.65	
205	810.54	859.22	
210	712.47	757.35	
215	721.91	767.15	
220	835.78	885.47	
225	1017.00	1074.36	
230	1231.69	1298.65	
235	1459.45	1536.97	
240	1688.75	1777.12	
245	1912.61	2011.71	
250	2126.46	2235.90	
255	2327.11	2446.31	
260	2512.24	2640.49	
265	2680.15	2816.63	
270	2829.61	2973.43	
275	2959.70	3109.93	
280	3069.82	3225.47	
285	3159.52	3319.60	
290	3228.55	3392.04	
295	3276.75	3442.61	
300	3304.01	3471.22	
305	3310.30	3477.82	
310	3295.62	3462.41	
315	3259.98	3425.01	
320	3203.43	3365.68	
325	3126.11	3284.54	
330	3028.20	3181.80	
335	2910.03	3057.81	
340	2772.10	2913.10	
345	2615.14	2748.43	
350	2440.16	2564.89	
355	2248.59	2363.97	

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