

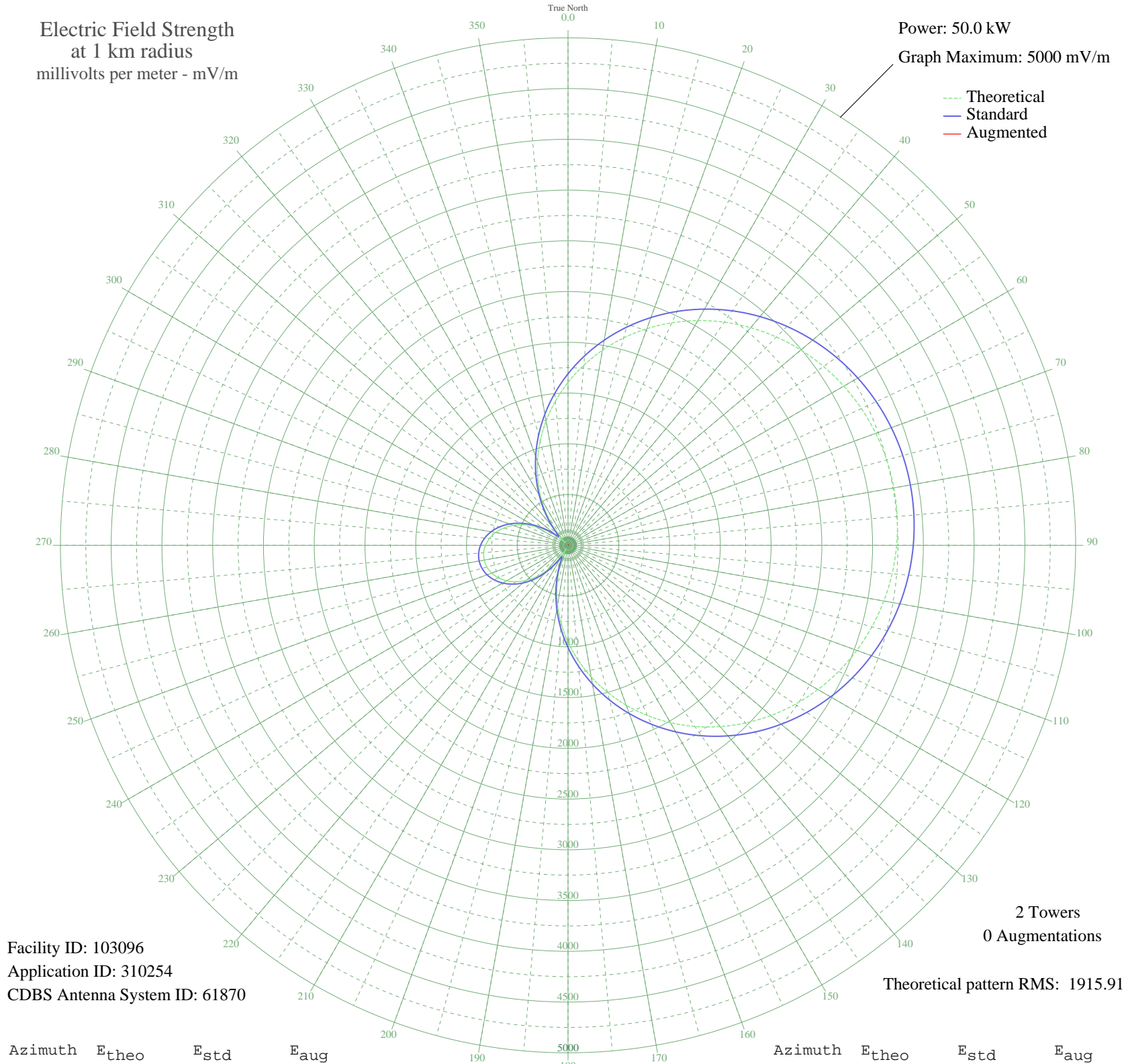
# ZYK688 S PAULO, - Brazil -- 1260 kHz

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: 103096  
Application ID: 310254  
CDBS Antenna System ID: 61870

2 Towers  
0 Augmentations

Theoretical pattern RMS: 1915.91

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1605.19	1689.66	
5	1780.76	1873.60	
10	1951.18	2052.20	
15	2115.11	2224.06	
20	2271.35	2387.90	
25	2418.80	2542.53	
30	2556.46	2686.93	
35	2683.48	2820.18	
40	2799.12	2941.49	
45	2902.74	3050.20	
50	2993.82	3145.77	
55	3071.96	3227.76	
60	3136.80	3295.80	
65	3188.10	3349.63	
70	3225.68	3389.06	
75	3249.39	3413.94	
80	3259.17	3424.20	
85	3254.98	3419.80	
90	3236.83	3400.76	
95	3204.79	3367.14	
100	3158.96	3319.05	
105	3099.50	3256.66	
110	3026.65	3180.22	
115	2940.70	3090.04	
120	2842.04	2986.52	
125	2731.14	2870.17	
130	2608.59	2741.61	
135	2475.09	2601.57	
140	2331.44	2450.92	
145	2178.59	2290.63	
150	2017.60	2121.83	
155	1849.62	1945.76	
160	1675.95	1763.78	
165	1497.96	1577.36	
170	1317.09	1388.07	
175	1134.86	1197.55	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	952.82	1007.54	
185	772.55	819.89	
190	595.64	636.68	
195	423.70	460.57	
200	258.47	296.41	
205	103.28	161.15	
210	60.55	135.09	
215	193.06	235.16	
220	319.75	356.27	
225	434.77	471.81	
230	536.78	576.09	
235	624.93	666.92	
240	698.53	743.08	
245	757.04	803.78	
250	800.05	848.47	
255	827.27	876.77	
260	838.51	888.46	
265	833.69	883.45	
270	812.85	861.77	
275	776.12	823.60	
280	723.77	769.25	
285	656.15	699.19	
290	573.75	614.11	
295	477.19	515.03	
300	367.25	403.62	
305	245.00	283.53	
310	112.88	168.09	
315	49.26	129.94	
320	194.80	236.74	
325	356.69	393.03	
330	526.18	565.20	
335	701.30	745.95	
340	880.41	932.09	
345	1061.93	1121.38	
350	1244.27	1311.91	
355	1425.87	1501.90	

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.

13 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission