

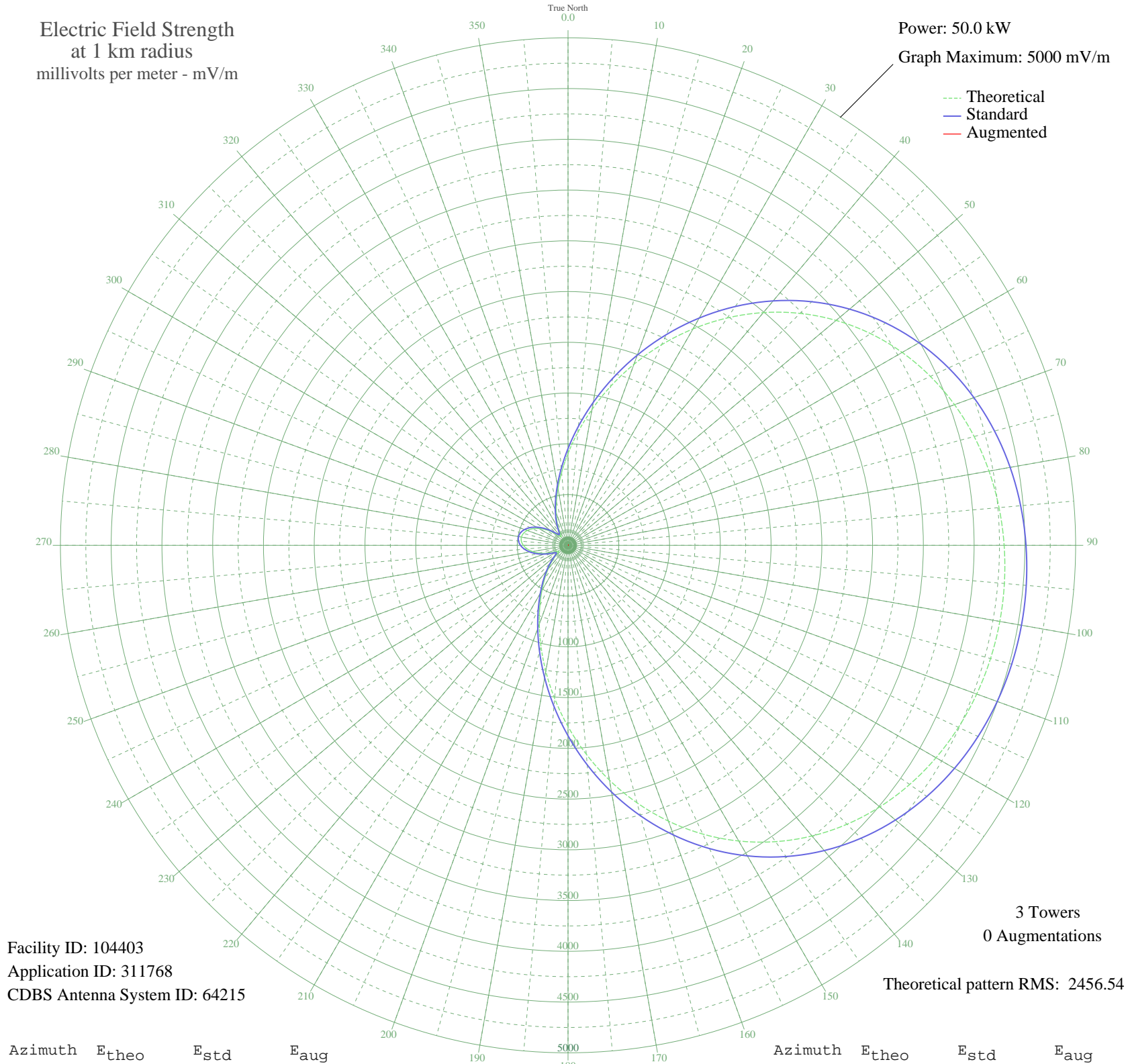
ZYK-691 SAO PAULO, - Brazil -- 1410 kHz

Daytime

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: 104403
Application ID: 311768
CDBS Antenna System ID: 64215

3 Towers
0 Augmentations

Theoretical pattern RMS: 2456.54

Azimuth	E _{theo}	E _{std}	E _{aug}
0	904.78	953.08	
5	1118.82	1177.23	
10	1359.51	1429.52	
15	1621.33	1704.11	
20	1897.36	1993.69	
25	2179.96	2290.24	
30	2461.43	2585.63	
35	2734.52	2872.26	
40	2992.95	3143.53	
45	3231.68	3394.12	
50	3447.08	3620.24	
55	3637.01	3819.62	
60	3800.65	3991.41	
65	3938.36	4135.98	
70	4051.38	4254.63	
75	4141.54	4349.29	
80	4210.97	4422.18	
85	4261.77	4475.51	
90	4295.81	4511.25	
95	4314.54	4530.91	
100	4318.81	4535.39	
105	4308.82	4524.91	
110	4284.10	4498.96	
115	4243.56	4456.39	
120	4185.55	4395.49	
125	4108.09	4314.17	
130	4009.03	4210.17	
135	3886.32	4081.35	
140	3738.35	3926.01	
145	3564.17	3743.16	
150	3363.89	3532.91	
155	3138.82	3296.64	
160	2891.70	3037.24	
165	2626.72	2759.11	
170	2349.46	2468.12	
175	2066.64	2171.31	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	1785.73	1876.57	
185	1514.49	1592.04	
190	1260.35	1325.57	
195	1029.76	1083.94	
200	827.48	872.20	
205	655.89	692.90	
210	514.41	545.50	
215	399.39	426.25	
220	304.91	329.13	
225	224.99	248.26	
230	157.42	182.07	
235	112.02	140.22	
240	115.93	143.68	
245	165.28	189.59	
250	230.08	253.36	
255	295.53	319.56	
260	354.89	380.38	
265	404.04	431.05	
270	440.09	468.35	
275	461.11	490.15	
280	466.03	495.25	
285	454.59	483.39	
290	427.38	455.20	
295	385.81	412.23	
300	332.18	357.04	
305	269.79	293.39	
310	203.54	226.95	
315	142.31	167.80	
320	107.26	136.05	
325	125.96	152.71	
330	182.76	206.52	
335	255.50	278.92	
340	340.65	365.74	
345	442.57	470.93	
350	567.56	600.81	
355	720.81	760.69	

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.

04 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission