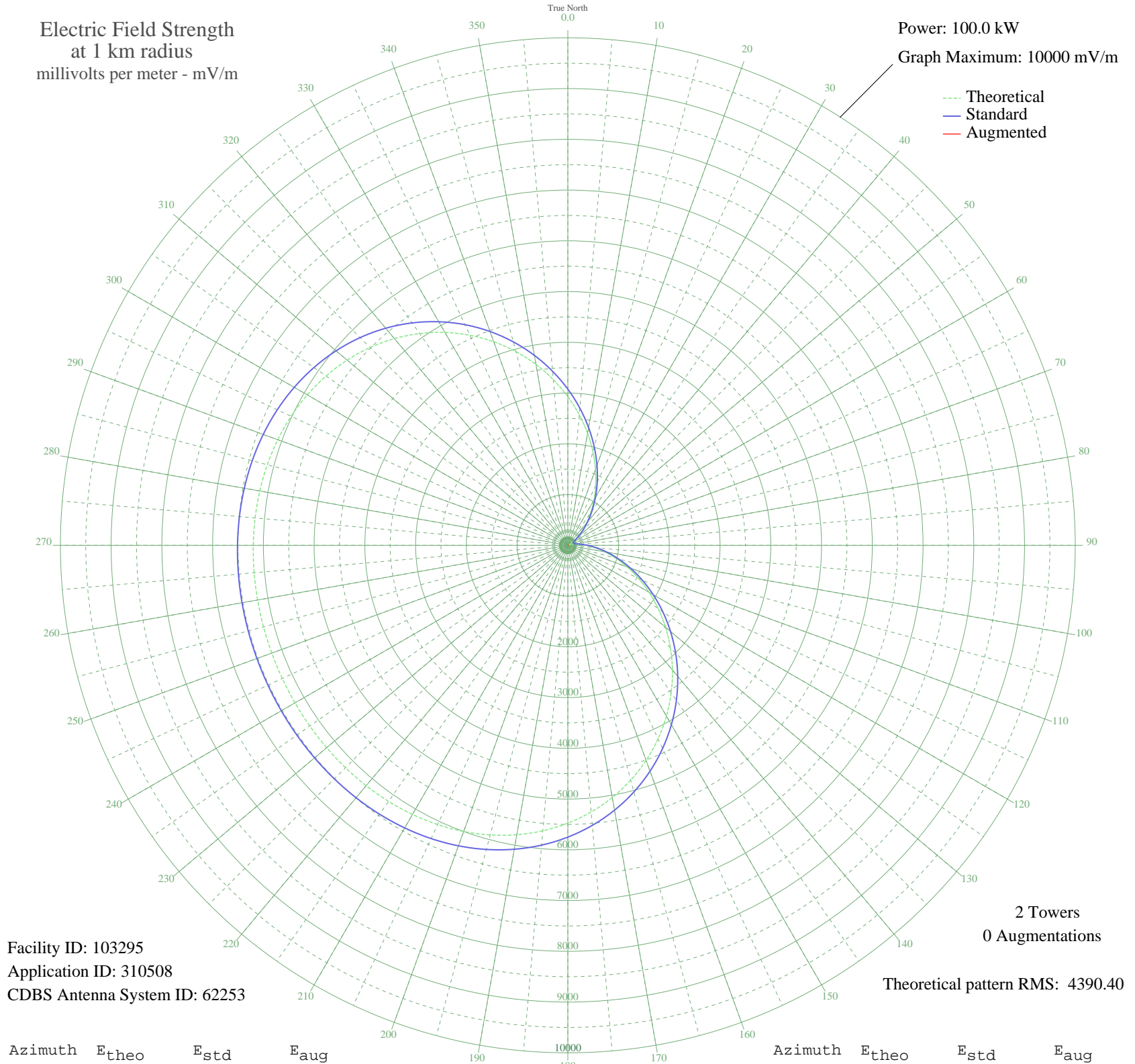


ZYJ-455 RIO DE JANEI, - Brazil -- 1280 kHz

Nighttime

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

Power: 100.0 kW
Graph Maximum: 10000 mV/m



Facility ID: 103295
Application ID: 310508
CDBS Antenna System ID: 62253

2 Towers
0 Augmentations
Theoretical pattern RMS: 4390.40

Azimuth	E _{theo}	E _{std}	E _{aug}
0	2928.57	3077.16	
5	2581.75	2713.29	
10	2240.62	2355.48	
15	1910.25	2009.07	
20	1595.38	1679.11	
25	1300.35	1370.23	
30	1028.99	1086.57	
35	784.62	831.87	
40	570.00	609.50	
45	387.40	422.79	
50	238.61	275.78	
55	124.97	174.65	
60	47.46	125.56	
65	6.68	115.46	
70	2.97	115.29	
75	36.35	121.40	
80	106.56	160.62	
85	213.04	251.63	
90	354.89	390.05	
95	530.86	569.19	
100	739.23	784.71	
105	977.86	1033.21	
110	1244.07	1311.35	
115	1534.66	1615.51	
120	1845.89	1941.61	
125	2173.53	2285.12	
130	2512.91	2641.07	
135	2859.00	3004.16	
140	3206.59	3368.90	
145	3550.40	3729.70	
150	3885.25	4081.14	
155	4206.27	4418.08	
160	4509.07	4735.92	
165	4789.88	5030.70	
170	5045.73	5299.27	
175	5274.47	5539.39	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	5474.90	5749.80	
185	5646.73	5930.19	
190	5790.57	6081.19	
195	5907.79	6204.25	
200	6000.48	6301.56	
205	6071.26	6375.86	
210	6123.09	6430.28	
215	6159.17	6468.16	
220	6182.73	6492.89	
225	6196.85	6507.72	
230	6204.36	6515.60	
235	6207.69	6519.10	
240	6208.77	6520.23	
245	6208.95	6520.41	
250	6208.95	6520.42	
255	6208.84	6520.30	
260	6208.04	6519.46	
265	6205.29	6516.58	
270	6198.80	6509.76	
275	6186.21	6496.55	
280	6164.79	6474.05	
285	6131.46	6439.07	
290	6083.04	6388.23	
295	6016.30	6318.17	
300	5928.21	6225.69	
305	5816.08	6107.97	
310	5677.71	5962.71	
315	5511.55	5788.27	
320	5316.84	5583.87	
325	5093.69	5349.62	
330	4843.13	5086.59	
335	4567.09	4796.83	
340	4268.41	4483.31	
345	3950.70	4149.84	
350	3618.24	3800.90	
355	3275.82	3441.54	

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