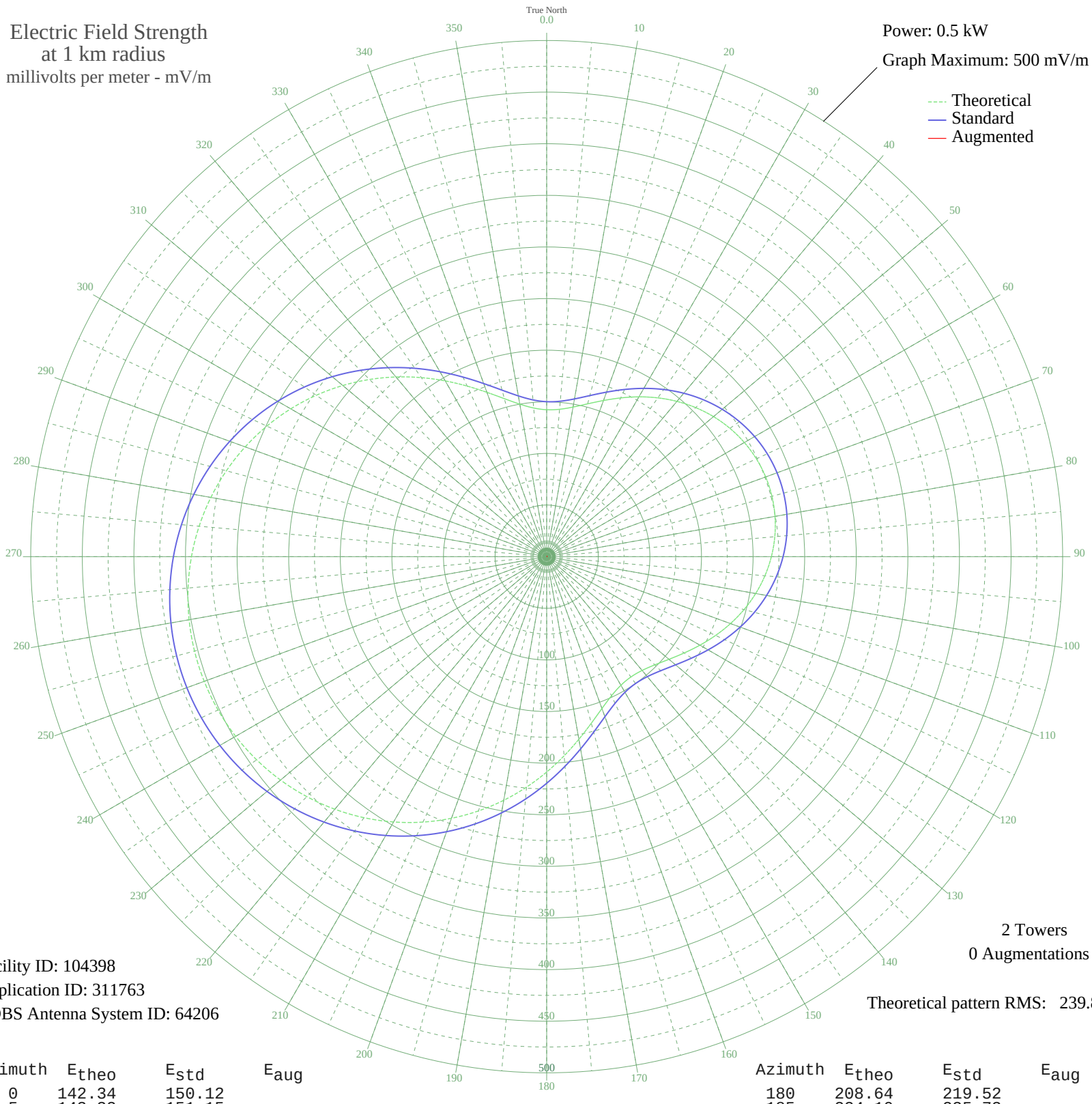
- RIO CLARO, - Brazil -- 1410 kHz

Nighttime

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



Power: 0.5 kW

Graph Maximum: 500 mV/m

Theoretical
Standard
Augmented

2 Towers
0 Augmentations

Facility ID: 104398
Application ID: 311763
CDBS Antenna System ID: 64206

Theoretical pattern RMS: 239.88

Azimuth	E_{theo}	E_{std}	E_{aug}
0	142.34	150.12	
5	143.32	151.15	
10	147.15	155.15	
15	153.25	161.53	
20	160.97	169.61	
25	169.66	178.71	
30	178.76	188.23	
35	187.79	197.68	
40	196.36	206.67	
45	204.20	214.87	
50	211.06	222.06	
55	216.76	228.04	
60	221.18	232.67	
65	224.23	235.86	
70	225.84	237.55	
75	225.99	237.71	
80	224.67	236.32	
85	221.90	233.43	
90	217.75	229.07	
95	212.29	223.35	
100	205.65	216.40	
105	198.00	208.38	
110	189.55	199.53	
115	180.58	190.14	
120	171.47	180.59	
125	162.65	171.37	
130	154.69	163.04	
135	148.21	156.26	
140	143.87	151.73	
145	142.28	150.07	
150	143.85	151.70	
155	148.67	156.74	
160	156.55	164.99	
165	167.05	175.97	
170	179.61	189.12	
175	193.65	203.82	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	208.64	219.52	
185	224.10	235.73	
190	239.65	252.03	
195	254.94	268.06	
200	269.70	283.54	
205	283.70	298.22	
210	296.74	311.90	
215	308.67	324.42	
220	319.37	335.64	
225	328.73	345.45	
230	336.66	353.78	
235	343.12	360.55	
240	348.03	365.71	
245	351.38	369.22	
250	353.14	371.07	
255	353.30	371.24	
260	351.86	369.73	
265	348.83	366.54	
270	344.22	361.71	
275	338.08	355.26	
280	330.43	347.24	
285	321.35	337.72	
290	310.92	326.77	
295	299.22	314.50	
300	286.39	301.04	
305	272.57	286.54	
310	257.94	271.21	
315	242.74	255.26	
320	227.22	239.00	
325	211.70	222.74	
330	196.59	206.90	
335	182.32	191.95	
340	169.42	178.45	
345	158.46	166.98	
350	150.01	158.15	
355	144.55	152.44	

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.

14 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission