

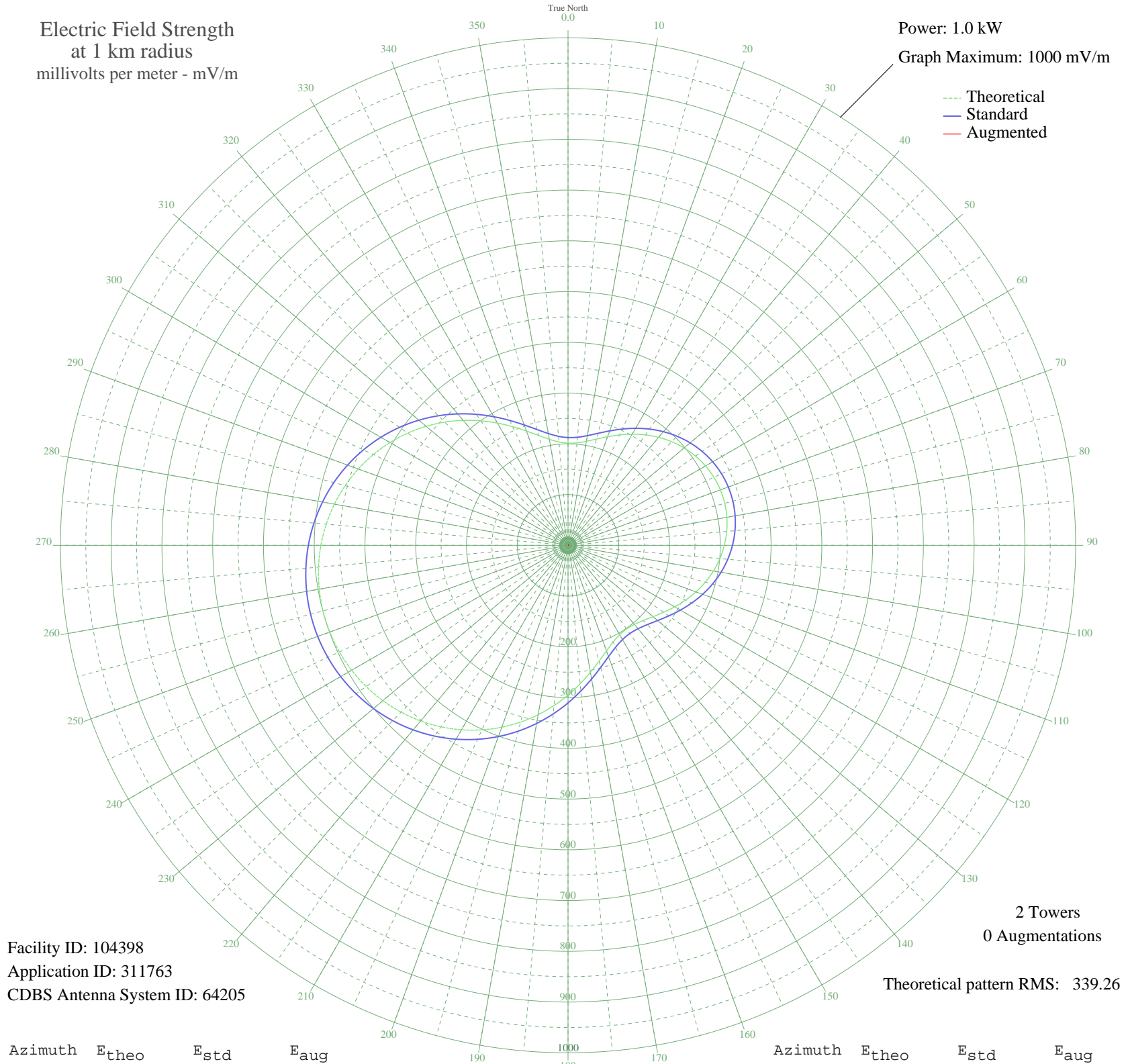
**- RIO CLARO, - Brazil -- 1410 kHz**

Daytime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 104398  
Application ID: 311763  
CDBS Antenna System ID: 64205

2 Towers  
0 Augmentations

Theoretical pattern RMS: 339.26

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	201.31	212.31	
5	202.69	213.77	
10	208.11	219.43	
15	216.74	228.46	
20	227.66	239.88	
25	239.96	252.74	
30	252.82	266.21	
35	265.58	279.58	
40	277.72	292.29	
45	288.80	303.89	
50	298.49	314.05	
55	306.56	322.51	
60	312.82	329.06	
65	317.13	333.58	
70	319.41	335.97	
75	319.61	336.19	
80	317.75	334.23	
85	313.84	330.13	
90	307.96	323.98	
95	300.24	315.89	
100	290.85	306.05	
105	280.03	294.71	
110	268.08	282.19	
115	255.40	268.91	
120	242.51	255.41	
125	230.04	242.37	
130	218.78	230.58	
135	209.61	220.99	
140	203.48	214.58	
145	201.23	212.24	
150	203.44	214.55	
155	210.26	221.68	
160	221.41	233.34	
165	236.26	248.87	
170	254.02	267.47	
175	273.88	288.26	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	295.07	310.47	
185	316.95	333.39	
190	338.93	356.44	
195	360.56	379.11	
200	381.43	401.00	
205	401.23	421.76	
210	419.68	441.11	
215	436.56	458.82	
220	451.68	474.69	
225	464.92	488.57	
230	476.14	500.35	
235	485.26	509.92	
240	492.22	517.22	
245	496.96	522.19	
250	499.45	524.80	
255	499.68	525.04	
260	497.64	522.90	
265	493.35	518.40	
270	486.83	511.56	
275	478.14	502.44	
280	467.33	491.10	
285	454.49	477.63	
290	439.73	462.15	
295	423.18	444.79	
300	405.03	425.76	
305	385.49	405.26	
310	364.80	383.57	
315	343.30	361.02	
320	321.35	338.01	
325	299.41	315.02	
330	278.03	292.62	
335	257.85	271.48	
340	239.60	252.38	
345	224.11	236.16	
350	212.16	223.67	
355	204.44	215.59	

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