

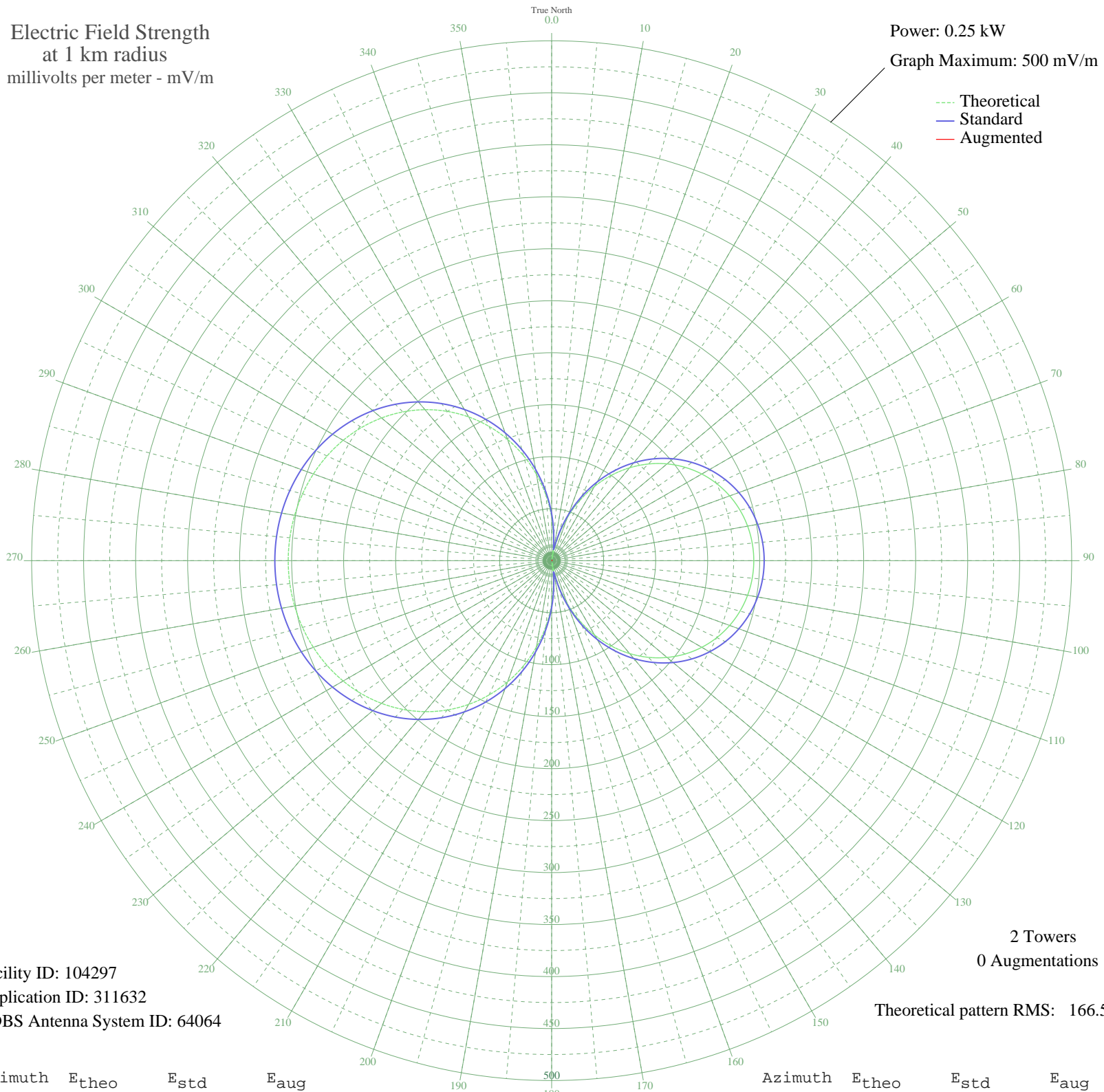
ZYJ-335 S DO LONTRA, - Brazil -- 1390 kHz

Nighttime

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

Power: 0.25 kW
Graph Maximum: 500 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 104297
Application ID: 311632
CDBS Antenna System ID: 64064

2 Towers
0 Augmentations
Theoretical pattern RMS: 166.52

Azimuth	E _{theo}	E _{std}	E _{aug}
0	41.67	45.00	
5	19.92	23.41	
10	1.75	10.66	
15	23.09	26.42	
20	43.83	47.20	
25	63.75	67.75	
30	82.63	87.40	
35	100.30	105.84	
40	116.62	122.90	
45	131.48	138.46	
50	144.80	152.41	
55	156.54	164.70	
60	166.68	175.33	
65	175.21	184.27	
70	182.14	191.54	
75	187.51	197.16	
80	191.32	201.16	
85	193.60	203.55	
90	194.36	204.34	
95	193.60	203.55	
100	191.32	201.16	
105	187.51	197.16	
110	182.14	191.54	
115	175.21	184.27	
120	166.68	175.33	
125	156.54	164.70	
130	144.80	152.41	
135	131.48	138.46	
140	116.62	122.90	
145	100.30	105.84	
150	82.63	87.40	
155	63.75	67.75	
160	43.83	47.20	
165	23.09	26.42	
170	1.75	10.66	
175	19.92	23.41	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	41.67	45.00	
185	63.23	67.21	
190	84.32	89.16	
195	104.72	110.45	
200	124.19	130.82	
205	142.54	150.04	
210	159.63	167.94	
215	175.33	184.40	
220	189.57	199.33	
225	202.30	212.68	
230	213.51	224.43	
235	223.22	234.62	
240	231.47	243.28	
245	238.31	250.45	
250	243.80	256.21	
255	248.00	260.61	
260	250.95	263.71	
265	252.71	265.55	
270	253.29	266.16	
275	252.71	265.55	
280	250.95	263.71	
285	248.00	260.61	
290	243.80	256.21	
295	238.31	250.45	
300	231.47	243.28	
305	223.22	234.62	
310	213.51	224.43	
315	202.30	212.68	
320	189.57	199.33	
325	175.33	184.40	
330	159.63	167.94	
335	142.54	150.04	
340	124.19	130.82	
345	104.72	110.45	
350	84.32	89.16	
355	63.22	67.21	

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