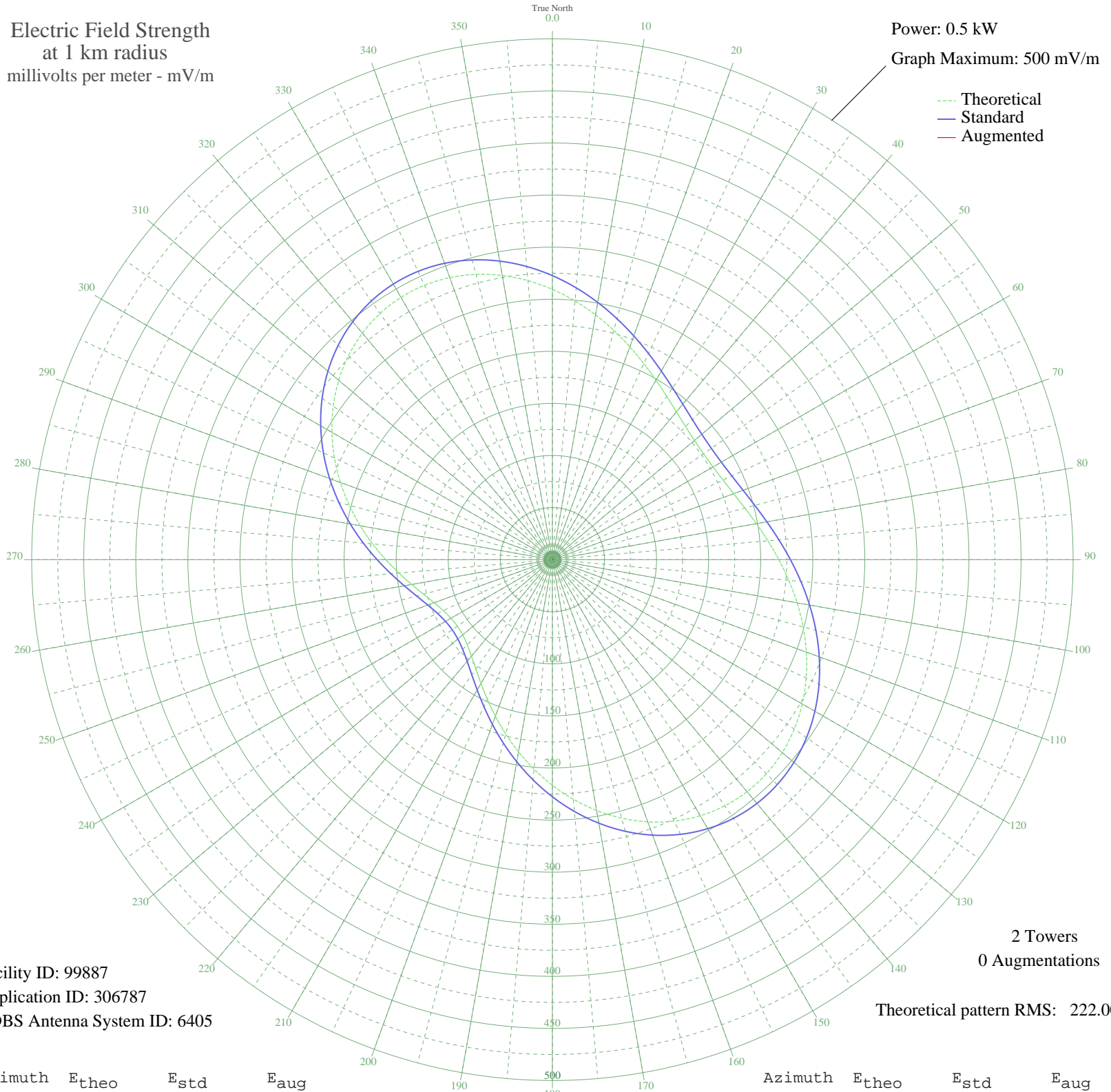


# ZYK-546 ARARAQUARA, - Brazil -- 790 kHz

Nighttime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m



Facility ID: 99887  
Application ID: 306787  
CDBS Antenna System ID: 6405

2 Towers  
0 Augmentations

Theoretical pattern RMS: 222.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	259.48	272.65	
5	249.26	261.93	
10	238.59	250.74	
15	227.86	239.48	
20	217.44	228.56	
25	207.69	218.33	
30	198.91	209.12	
35	191.37	201.21	
40	185.27	194.82	
45	180.80	190.13	
50	178.07	187.26	
55	177.15	186.30	
60	178.07	187.26	
65	180.80	190.13	
70	185.27	194.82	
75	191.37	201.21	
80	198.91	209.12	
85	207.69	218.33	
90	217.44	228.56	
95	227.86	239.48	
100	238.59	250.74	
105	249.26	261.93	
110	259.48	272.65	
115	268.85	282.48	
120	276.98	291.02	
125	283.52	297.88	
130	288.15	302.73	
135	290.62	305.33	
140	290.77	305.49	
145	288.51	303.12	
150	283.85	298.22	
155	276.88	290.92	
160	267.81	281.39	
165	256.89	269.93	
170	244.45	256.88	
175	230.86	242.63	

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	216.54	227.61	
185	201.90	212.25	
190	187.34	196.98	
195	173.24	182.21	
200	159.98	168.31	
205	147.86	155.61	
210	137.16	144.40	
215	128.11	134.92	
220	120.88	127.36	
225	115.62	121.86	
230	112.43	118.52	
235	111.36	117.40	
240	112.43	118.52	
245	115.62	121.86	
250	120.88	127.36	
255	128.11	134.92	
260	137.16	144.40	
265	147.86	155.61	
270	159.98	168.31	
275	173.24	182.21	
280	187.34	196.98	
285	201.90	212.25	
290	216.54	227.61	
295	230.86	242.63	
300	244.45	256.88	
305	256.89	269.93	
310	267.81	281.39	
315	276.88	290.92	
320	283.85	298.22	
325	288.51	303.12	
330	290.77	305.49	
335	290.62	305.33	
340	288.15	302.73	
345	283.52	297.88	
350	276.98	291.02	
355	268.85	282.48	