

- ARACATUBA, - Brazil -- 1540 kHz

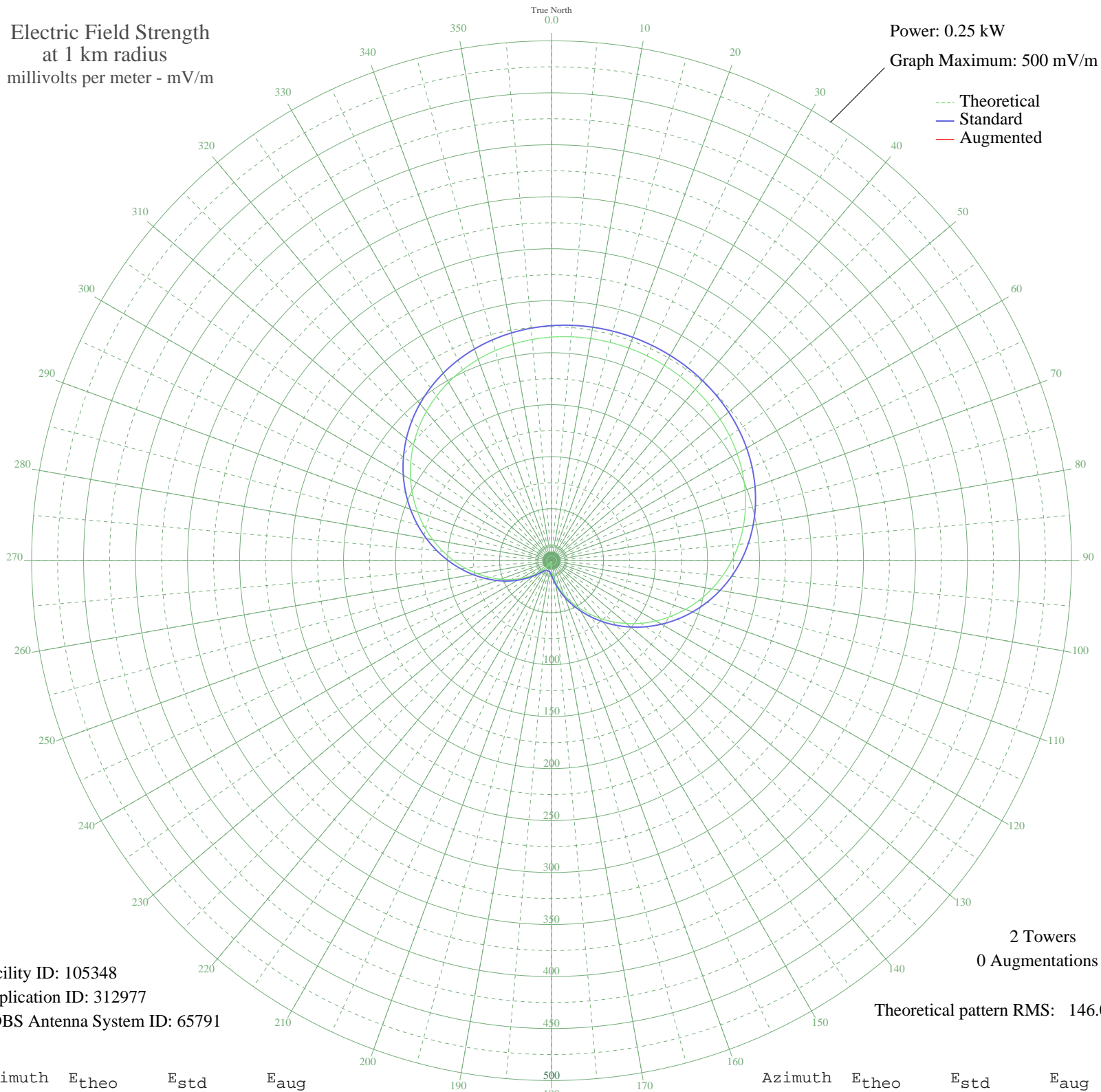
Nighttime

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: 105348
Application ID: 312977
CDBS Antenna System ID: 65791

2 Towers
0 Augmentations

Theoretical pattern RMS: 146.00

Azimuth	E _{theo}	E _{std}	E _{aug}
0	215.04	226.04	
5	216.16	227.21	
10	216.92	228.01	
15	217.37	228.48	
20	217.51	228.63	
25	217.37	228.48	
30	216.92	228.01	
35	216.16	227.21	
40	215.04	226.04	
45	213.53	224.45	
50	211.57	222.40	
55	209.11	219.81	
60	206.08	216.64	
65	202.42	212.80	
70	198.09	208.26	
75	193.04	202.96	
80	187.23	196.88	
85	180.66	189.98	
90	173.32	182.29	
95	165.24	173.82	
100	156.46	164.62	
105	147.05	154.76	
110	137.08	144.32	
115	126.68	133.42	
120	115.94	122.19	
125	105.00	110.75	
130	94.01	99.26	
135	83.09	87.87	
140	72.38	76.72	
145	62.03	65.98	
150	52.17	55.77	
155	42.90	46.26	
160	34.35	37.56	
165	26.59	29.83	
170	19.72	23.22	
175	13.80	17.89	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	8.89	14.05	
185	5.02	11.75	
190	2.24	10.76	
195	0.56	10.52	
200	0.00	10.50	
205	0.56	10.52	
210	2.24	10.76	
215	5.02	11.75	
220	8.89	14.05	
225	13.80	17.89	
230	19.72	23.22	
235	26.59	29.83	
240	34.35	37.56	
245	42.90	46.26	
250	52.17	55.77	
255	62.03	65.98	
260	72.38	76.72	
265	83.09	87.87	
270	94.01	99.26	
275	105.00	110.75	
280	115.94	122.19	
285	126.68	133.42	
290	137.08	144.32	
295	147.05	154.76	
300	156.46	164.62	
305	165.24	173.82	
310	173.32	182.29	
315	180.66	189.98	
320	187.23	196.88	
325	193.04	202.96	
330	198.09	208.26	
335	202.42	212.80	
340	206.08	216.64	
345	209.11	219.81	
350	211.57	222.40	
355	213.53	224.45	

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.

15 Feb 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission