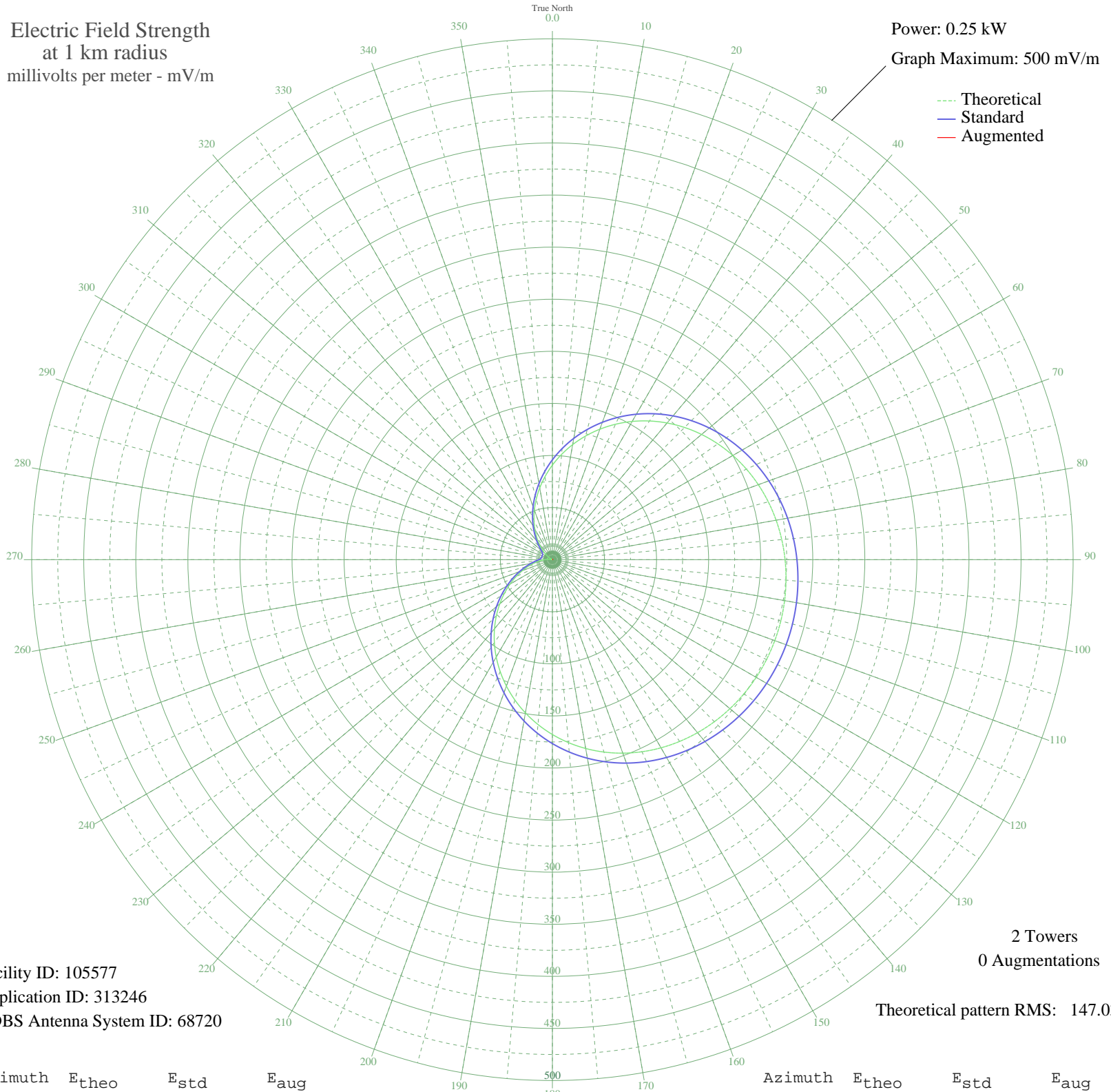


**- MARICA, - Brazil -- 1570 kHz**

**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: 105577  
Application ID: 313246  
CDBS Antenna System ID: 68720

2 Towers  
0 Augmentations

Theoretical pattern RMS: 147.03

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	90.75	95.86	
5	101.44	107.03	
10	112.16	118.24	
15	122.81	129.38	
20	133.27	140.32	
25	143.43	150.97	
30	153.21	161.21	
35	162.52	170.96	
40	171.28	180.15	
45	179.46	188.72	
50	187.00	196.63	
55	193.87	203.83	
60	200.07	210.33	
65	205.58	216.11	
70	210.42	221.19	
75	214.60	225.58	
80	218.14	229.29	
85	221.07	232.36	
90	223.41	234.81	
95	225.17	236.66	
100	226.39	237.94	
105	227.07	238.66	
110	227.23	238.82	
115	226.86	238.44	
120	225.97	237.50	
125	224.53	235.99	
130	222.54	233.90	
135	219.97	231.21	
140	216.80	227.88	
145	213.01	223.90	
150	208.56	219.24	
155	203.46	213.89	
160	197.67	207.82	
165	191.20	201.04	
170	184.06	193.55	
175	176.26	185.37	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	167.84	176.55	
185	158.85	167.13	
190	149.35	157.17	
195	139.41	146.75	
200	129.12	135.98	
205	118.57	124.94	
210	107.88	113.76	
215	97.15	102.55	
220	86.50	91.43	
225	76.05	80.54	
230	65.91	70.00	
235	56.20	59.93	
240	47.00	50.45	
245	38.42	41.69	
250	30.55	33.75	
255	23.46	26.77	
260	17.21	20.90	
265	11.87	16.30	
270	7.48	13.12	
275	4.08	11.34	
280	1.69	10.65	
285	0.33	10.51	
290	0.02	10.50	
295	0.75	10.53	
300	2.52	10.83	
305	5.32	11.89	
310	9.12	14.21	
315	13.90	17.98	
320	19.61	23.11	
325	26.20	29.44	
330	33.61	36.82	
335	41.77	45.10	
340	50.61	54.17	
345	60.03	63.90	
350	69.93	74.17	
355	80.20	84.87	

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