

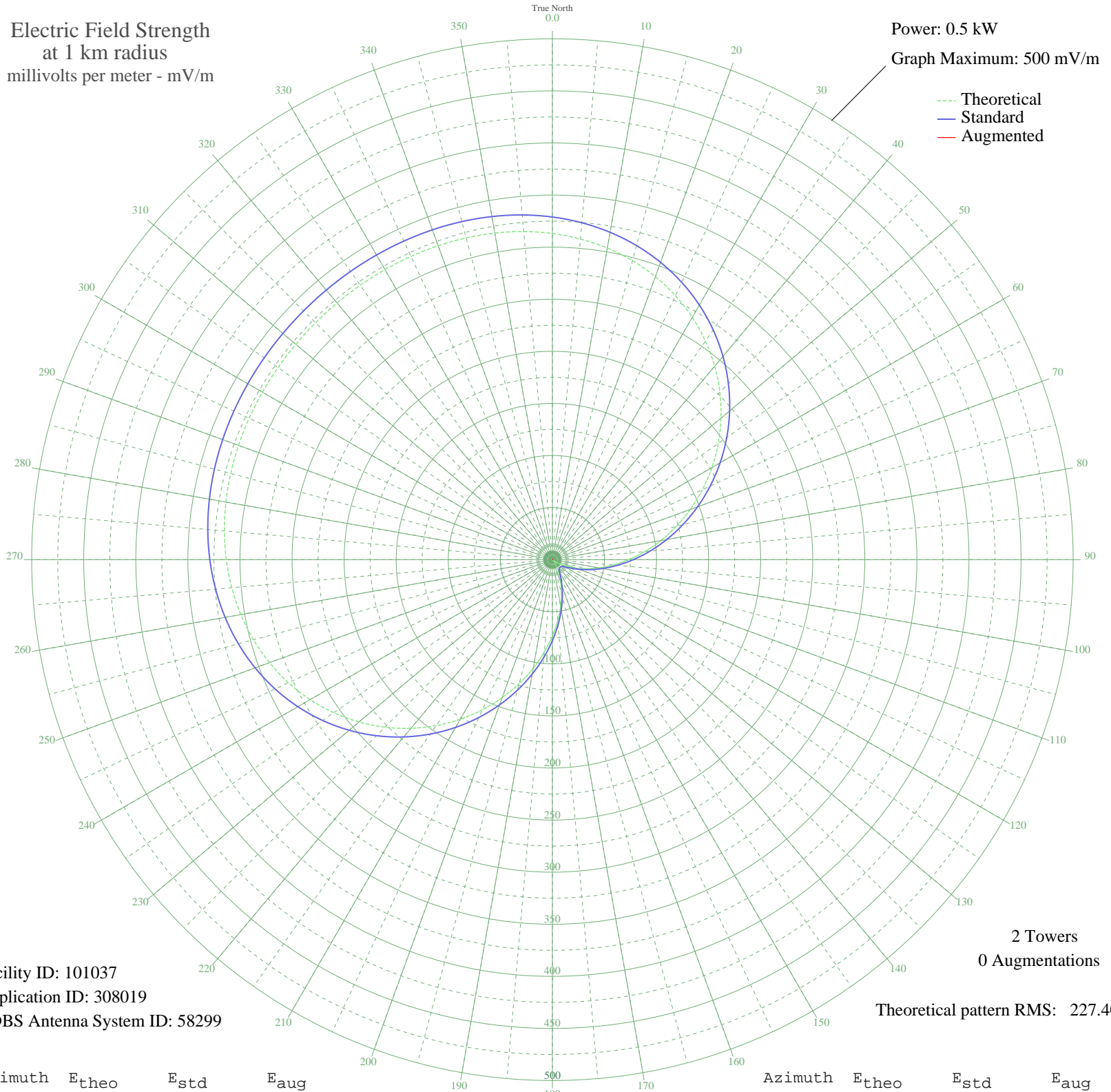
**- AQUIRAS, - Brazil -- 1050 kHz**

**Nighttime**

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 101037  
Application ID: 308019  
CDBS Antenna System ID: 58299

2 Towers  
0 Augmentations  
Theoretical pattern RMS: 227.40

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	313.12	328.94	
5	309.02	324.64	
10	303.72	319.08	
15	297.11	312.14	
20	289.09	303.73	
25	279.60	293.77	
30	268.63	282.25	
35	256.21	269.22	
40	242.42	254.76	
45	227.40	239.00	
50	211.31	222.13	
55	194.37	204.36	
60	176.81	185.95	
65	158.89	167.17	
70	140.89	148.30	
75	123.07	129.65	
80	105.70	111.48	
85	89.05	94.08	
90	73.33	77.71	
95	58.76	62.59	
100	45.52	48.94	
105	33.78	36.99	
110	23.64	26.95	
115	15.23	19.13	
120	8.61	13.85	
125	3.84	11.25	
130	0.96	10.55	
135	0.00	10.50	
140	0.96	10.55	
145	3.84	11.25	
150	8.61	13.85	
155	15.23	19.13	
160	23.64	26.95	
165	33.78	36.99	
170	45.52	48.94	
175	58.76	62.59	

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.

13 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	73.33	77.71	
185	89.05	94.08	
190	105.70	111.48	
195	123.07	129.65	
200	140.89	148.30	
205	158.89	167.17	
210	176.81	185.95	
215	194.37	204.36	
220	211.31	222.13	
225	227.40	239.00	
230	242.42	254.76	
235	256.21	269.22	
240	268.63	282.25	
245	279.60	293.77	
250	289.09	303.73	
255	297.11	312.14	
260	303.72	319.08	
265	309.02	324.64	
270	313.12	328.94	
275	316.18	332.15	
280	318.35	334.44	
285	319.81	335.97	
290	320.72	336.92	
295	321.23	337.46	
300	321.48	337.71	
305	321.57	337.81	
310	321.59	337.83	
315	321.59	337.83	
320	321.59	337.83	
325	321.57	337.81	
330	321.48	337.71	
335	321.23	337.46	
340	320.72	336.92	
345	319.81	335.97	
350	318.35	334.44	
355	316.18	332.15	