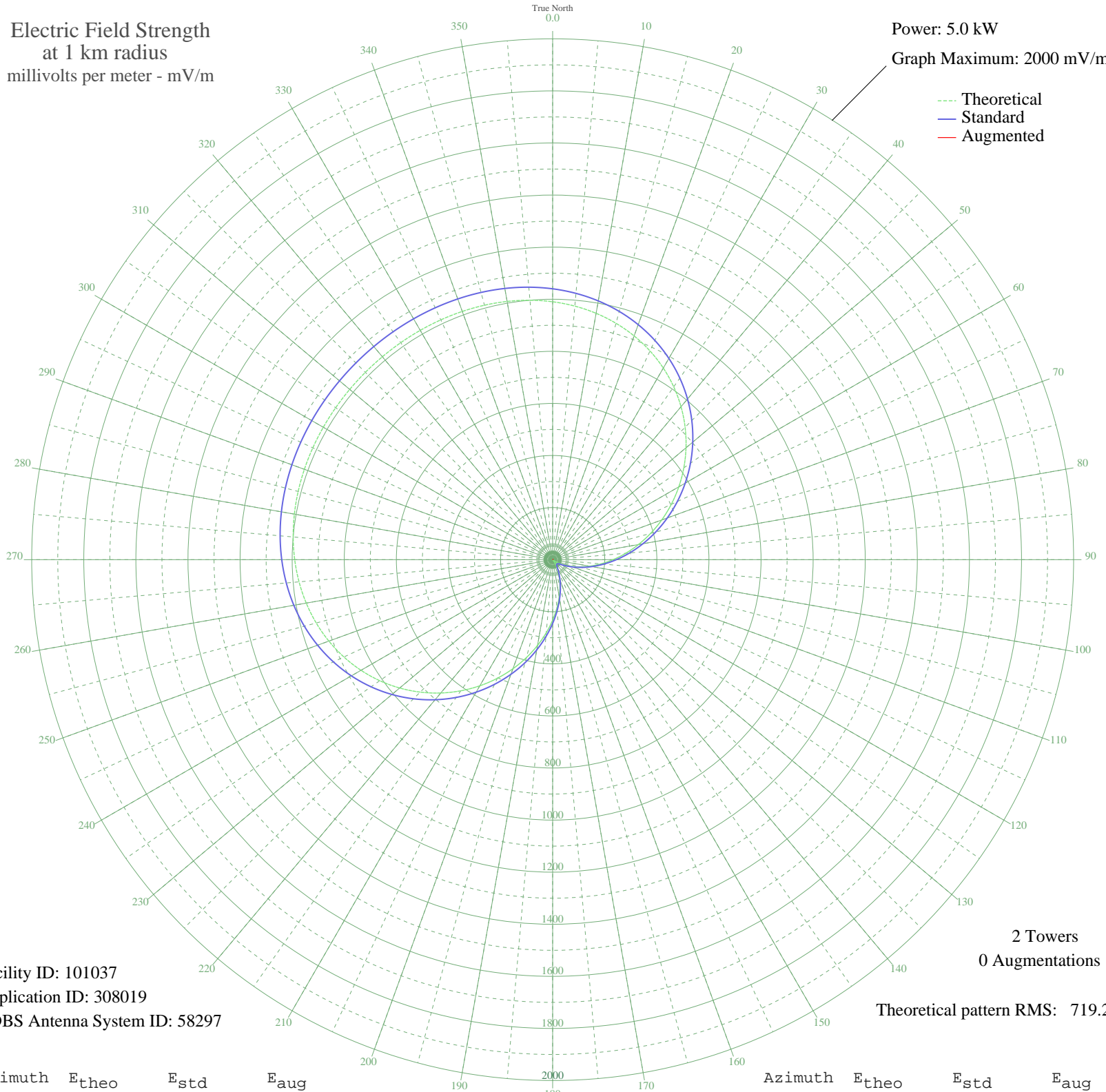


**- AQUIRAS, - Brazil -- 1050 kHz**  
Daytime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 101037  
Application ID: 308019  
CDBS Antenna System ID: 58297

2 Towers  
0 Augmentations

Theoretical pattern RMS: 719.20

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	990.31	1040.09	
5	977.34	1026.47	
10	960.59	1008.89	
15	939.68	986.94	
20	914.30	960.31	
25	884.29	928.80	
30	849.58	892.37	
35	810.30	851.14	
40	766.71	805.39	
45	719.20	755.52	
50	668.32	702.13	
55	614.74	645.90	
60	559.20	587.63	
65	502.53	528.18	
70	445.58	468.45	
75	389.23	409.36	
80	334.31	351.81	
85	281.62	296.64	
90	231.91	244.64	
95	185.84	196.54	
100	143.98	152.99	
105	106.83	114.60	
110	74.78	81.95	
115	48.16	55.75	
120	27.22	36.98	
125	12.14	26.71	
130	3.04	23.69	
135	0.00	23.48	
140	3.04	23.69	
145	12.14	26.71	
150	27.22	36.98	
155	48.16	55.75	
160	74.78	81.95	
165	106.83	114.60	
170	143.98	152.99	
175	185.84	196.54	

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	231.91	244.64	
185	281.62	296.64	
190	334.31	351.81	
195	389.23	409.36	
200	445.58	468.45	
205	502.53	528.18	
210	559.20	587.63	
215	614.74	645.90	
220	668.32	702.13	
225	719.20	755.52	
230	766.71	805.39	
235	810.30	851.14	
240	849.58	892.37	
245	884.29	928.80	
250	914.30	960.31	
255	939.68	986.94	
260	960.59	1008.89	
265	977.34	1026.47	
270	990.31	1040.09	
275	999.98	1050.24	
280	1006.86	1057.46	
285	1011.48	1062.31	
290	1014.35	1065.33	
295	1015.96	1067.02	
300	1016.74	1067.83	
305	1017.03	1068.14	
310	1017.10	1068.21	
315	1017.10	1068.22	
320	1017.10	1068.21	
325	1017.03	1068.14	
330	1016.74	1067.83	
335	1015.96	1067.02	
340	1014.35	1065.33	
345	1011.48	1062.31	
350	1006.86	1057.46	
355	999.98	1050.24	