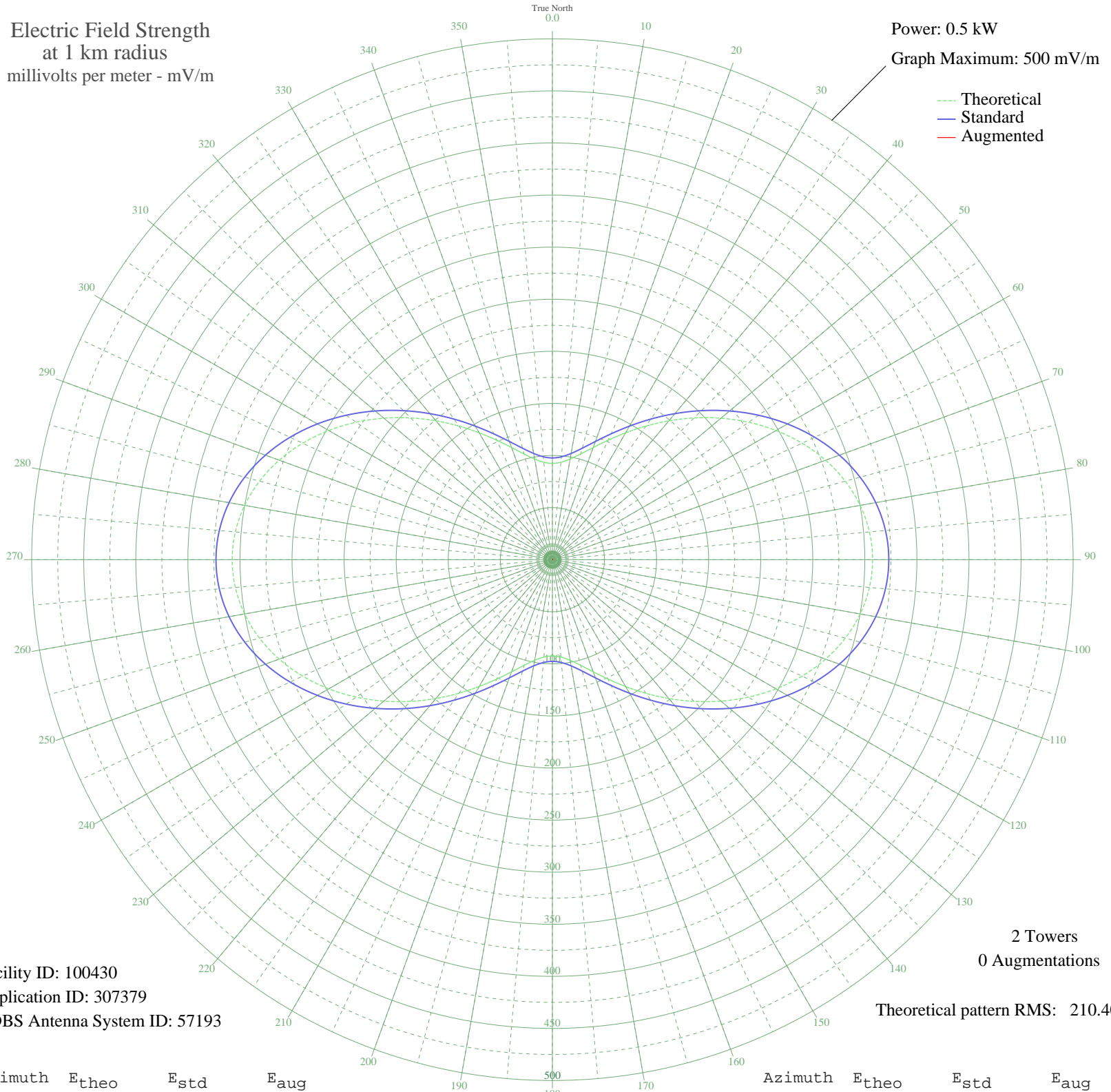


**- CAUCAIA, - Brazil -- 930 kHz**

**Nighttime**

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m



Facility ID: 100430  
Application ID: 307379  
CDBS Antenna System ID: 57193

2 Towers  
0 Augmentations

Theoretical pattern RMS: 210.40

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	92.46	97.65	
5	93.87	99.12	
10	98.08	103.52	
15	105.01	110.76	
20	114.55	120.73	
25	126.50	133.24	
30	140.61	148.01	
35	156.57	164.74	
40	173.99	182.99	
45	192.39	202.29	
50	211.26	222.07	
55	229.99	241.72	
60	247.97	260.58	
65	264.55	277.98	
70	279.13	293.28	
75	291.14	305.87	
80	300.09	315.27	
85	305.61	321.06	
90	307.48	323.02	
95	305.61	321.06	
100	300.09	315.27	
105	291.14	305.87	
110	279.13	293.28	
115	264.55	277.98	
120	247.97	260.58	
125	229.99	241.72	
130	211.26	222.07	
135	192.39	202.29	
140	173.99	182.99	
145	156.57	164.74	
150	140.61	148.01	
155	126.50	133.24	
160	114.55	120.73	
165	105.01	110.76	
170	98.08	103.52	
175	93.87	99.12	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	92.46	97.65	
185	93.87	99.12	
190	98.08	103.52	
195	105.01	110.76	
200	114.55	120.73	
205	126.50	133.24	
210	140.61	148.01	
215	156.57	164.74	
220	173.99	182.99	
225	192.39	202.29	
230	211.26	222.07	
235	229.99	241.72	
240	247.97	260.58	
245	264.55	277.98	
250	279.13	293.28	
255	291.14	305.87	
260	300.09	315.27	
265	305.61	321.06	
270	307.48	323.02	
275	305.61	321.06	
280	300.09	315.27	
285	291.14	305.87	
290	279.13	293.28	
295	264.55	277.98	
300	247.97	260.58	
305	229.99	241.72	
310	211.26	222.07	
315	192.39	202.29	
320	173.99	182.99	
325	156.57	164.74	
330	140.61	148.01	
335	126.50	133.24	
340	114.55	120.73	
345	105.01	110.76	
350	98.08	103.52	
355	93.87	99.12	

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