

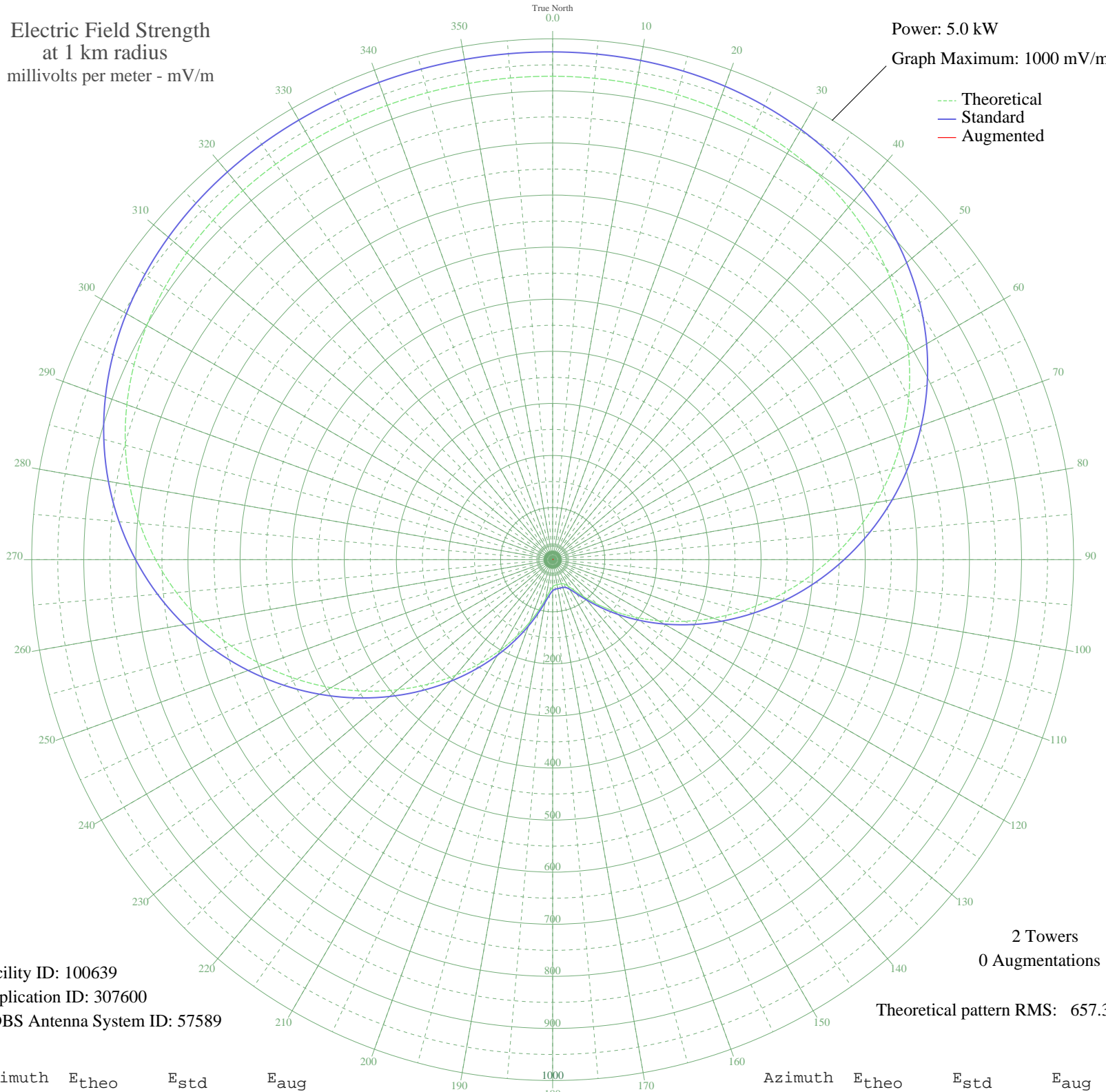
**- BELEM, - Brazil -- 980 kHz**

**Nighttime**

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

Power: 5.0 kW

Graph Maximum: 1000 mV/m



Facility ID: 100639  
Application ID: 307600  
CDBS Antenna System ID: 57589

2 Towers  
0 Augmentations

Theoretical pattern RMS: 657.37

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	928.19	974.88	
5	927.69	974.36	
10	926.57	973.18	
15	924.47	970.97	
20	920.95	967.29	
25	915.57	961.64	
30	907.85	953.53	
35	897.29	942.45	
40	883.47	927.95	
45	866.00	909.60	
50	844.56	887.10	
55	818.94	860.21	
60	789.07	828.86	
65	754.99	793.08	
70	716.87	753.08	
75	675.04	709.18	
80	629.96	661.87	
85	582.18	611.74	
90	532.38	559.49	
95	481.28	505.89	
100	429.68	451.77	
105	378.38	398.00	
110	328.20	345.41	
115	279.92	294.85	
120	234.30	247.13	
125	192.08	203.04	
130	153.97	163.36	
135	120.71	128.90	
140	93.11	100.55	
145	72.08	79.24	
150	58.30	65.57	
155	51.39	58.84	
160	49.16	56.71	
165	48.86	56.42	
170	48.87	56.43	
175	49.37	56.91	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	52.30	59.73	
185	60.47	67.70	
190	75.72	82.90	
195	98.14	105.69	
200	126.94	135.34	
205	161.23	170.91	
210	200.22	211.53	
215	243.17	256.41	
220	289.38	304.76	
225	338.11	355.79	
230	388.58	408.68	
235	440.00	462.60	
240	491.56	516.68	
245	542.46	570.07	
250	591.92	621.96	
255	639.21	671.58	
260	683.68	718.25	
265	724.80	761.40	
270	762.13	800.58	
275	795.39	835.49	
280	824.41	865.95	
285	849.17	891.94	
290	869.80	913.59	
295	886.52	931.14	
300	899.65	944.93	
305	909.60	955.37	
310	916.82	962.95	
315	921.79	968.17	
320	924.99	971.52	
325	926.86	973.49	
330	927.83	974.51	
335	928.24	974.93	
340	928.36	975.06	
345	928.38	975.08	
350	928.38	975.08	
355	928.35	975.05	

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.

06 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission