

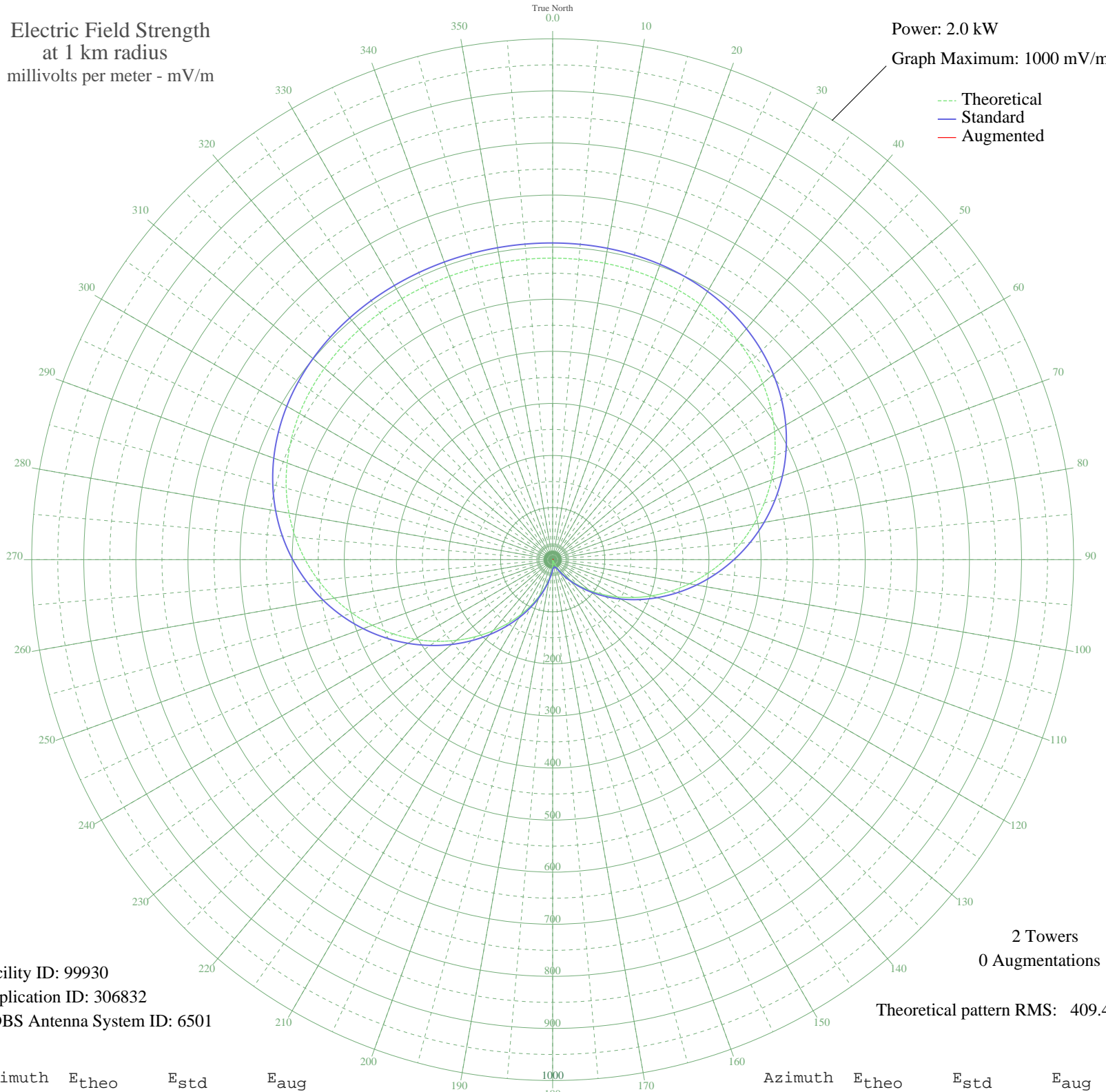
**- BELEM, - Brazil -- 800 kHz**

**Nighttime**

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

Power: 2.0 kW  
Graph Maximum: 1000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 99930  
Application ID: 306832  
CDBS Antenna System ID: 6501

2 Towers  
0 Augmentations

Theoretical pattern RMS: 409.43

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	578.90	608.03	
5	578.59	607.70	
10	577.89	606.97	
15	576.58	605.59	
20	574.38	603.28	
25	571.01	599.75	
30	566.18	594.68	
35	559.58	587.75	
40	550.94	578.67	
45	540.00	567.20	
50	526.59	553.12	
55	510.57	536.30	
60	491.88	516.68	
65	470.54	494.29	
70	446.69	469.25	
75	420.50	441.77	
80	392.26	412.14	
85	362.32	380.73	
90	331.10	347.97	
95	299.03	314.34	
100	266.62	280.34	
105	234.34	246.51	
110	202.69	213.35	
115	172.14	181.36	
120	143.12	151.00	
125	116.02	122.72	
130	91.19	96.90	
135	68.94	73.89	
140	49.51	54.06	
145	33.10	37.79	
150	19.87	25.61	
155	9.94	18.15	
160	3.39	15.27	
165	0.28	14.85	
170	0.62	14.86	
175	4.43	15.56	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	11.65	19.24	
185	22.25	27.68	
190	36.13	40.74	
195	53.16	57.76	
200	73.17	78.25	
205	95.96	101.85	
210	121.27	128.19	
215	148.78	156.92	
220	178.14	187.64	
225	208.95	219.90	
230	240.76	253.24	
235	273.11	287.15	
240	305.49	321.11	
245	337.42	354.61	
250	368.43	387.13	
255	398.06	418.22	
260	425.91	447.45	
265	451.65	474.47	
270	475.02	498.99	
275	495.83	520.83	
280	513.98	539.89	
285	529.48	556.15	
290	542.38	569.70	
295	552.84	580.67	
300	561.06	589.30	
305	567.28	595.83	
310	571.80	600.57	
315	574.90	603.83	
320	576.90	605.93	
325	578.07	607.16	
330	578.68	607.80	
335	578.94	608.06	
340	579.01	608.14	
345	579.02	608.15	
350	579.02	608.15	
355	579.00	608.14	

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission