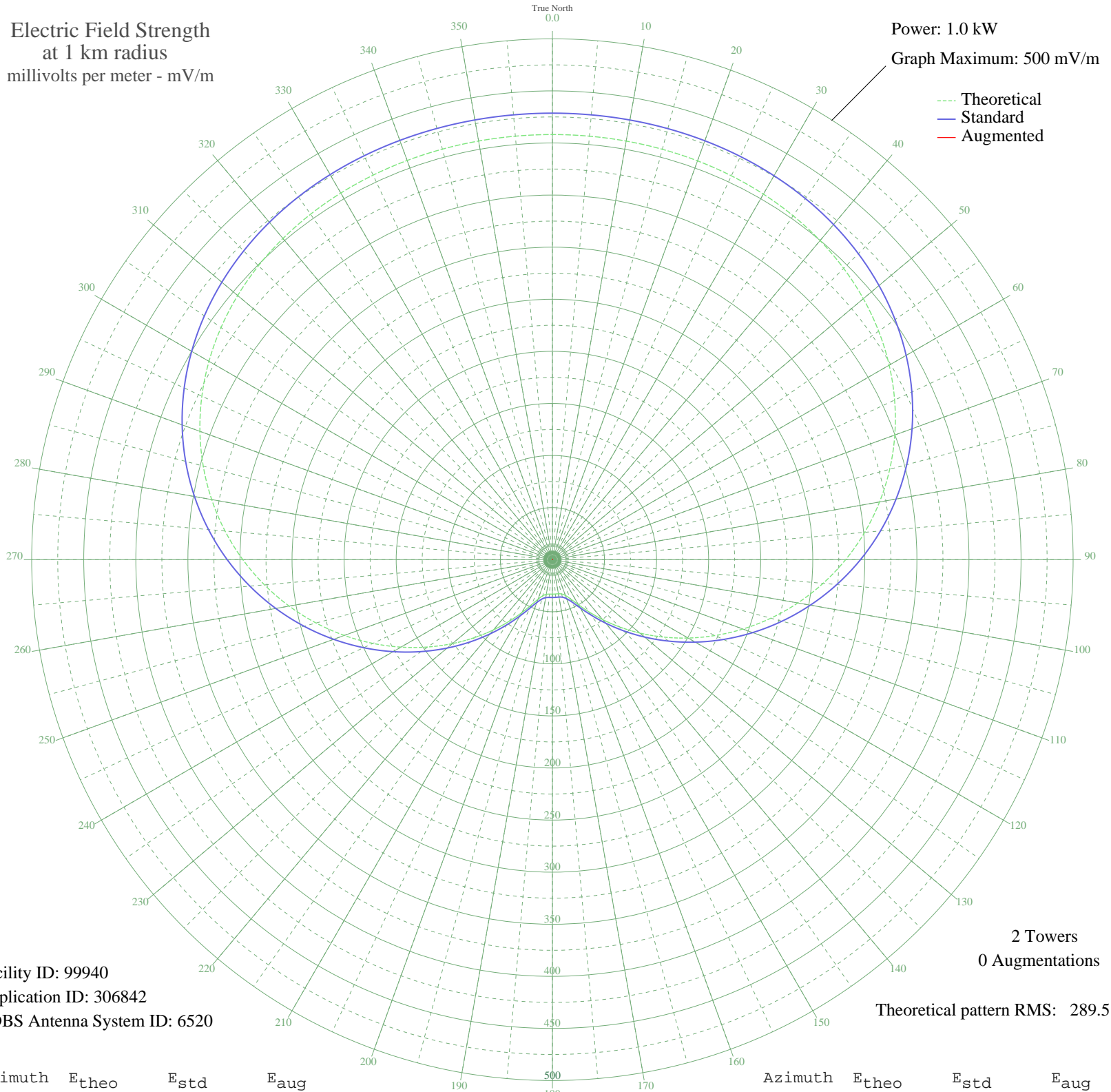


**- SAO LUIS, - Brazil -- 800 kHz**

**Nighttime**

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

Power: 1.0 kW  
Graph Maximum: 500 mV/m



Facility ID: 99940  
Application ID: 306842  
CDBS Antenna System ID: 6520

2 Towers  
0 Augmentations  
Theoretical pattern RMS: 289.51

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	408.09	428.62	
5	408.08	428.62	
10	408.03	428.56	
15	407.85	428.37	
20	407.43	427.93	
25	406.61	427.06	
30	405.21	425.60	
35	403.03	423.31	
40	399.87	419.99	
45	395.51	415.42	
50	389.76	409.39	
55	382.44	401.70	
60	373.41	392.22	
65	362.57	380.85	
70	349.87	367.52	
75	335.32	352.25	
80	318.99	335.11	
85	301.01	316.24	
90	281.57	295.84	
95	260.92	274.16	
100	239.33	251.51	
105	217.13	228.23	
110	194.68	204.69	
115	172.34	181.26	
120	150.47	158.34	
125	129.44	136.32	
130	109.63	115.58	
135	91.39	96.53	
140	75.09	79.54	
145	61.13	65.04	
150	49.89	53.43	
155	41.70	45.03	
160	36.59	39.83	
165	34.09	37.30	
170	33.23	36.44	
175	33.09	36.30	

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

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	33.09	36.30	
185	33.17	36.38	
190	33.82	37.03	
195	35.91	39.14	
200	40.44	43.74	
205	48.00	51.48	
210	58.65	62.47	
215	72.10	76.43	
220	87.96	92.95	
225	105.84	111.63	
230	125.37	132.06	
235	146.18	153.85	
240	167.91	176.62	
245	190.19	199.98	
250	212.65	223.53	
255	234.93	246.90	
260	256.66	269.70	
265	277.53	291.60	
270	297.23	312.27	
275	315.52	331.47	
280	332.20	348.96	
285	347.11	364.62	
290	360.18	378.34	
295	371.39	390.10	
300	380.78	399.96	
305	388.43	407.99	
310	394.48	414.34	
315	399.10	419.19	
320	402.48	422.74	
325	404.84	425.21	
330	406.38	426.83	
335	407.30	427.79	
340	407.79	428.31	
345	408.01	428.54	
350	408.08	428.61	
355	408.09	428.62	