

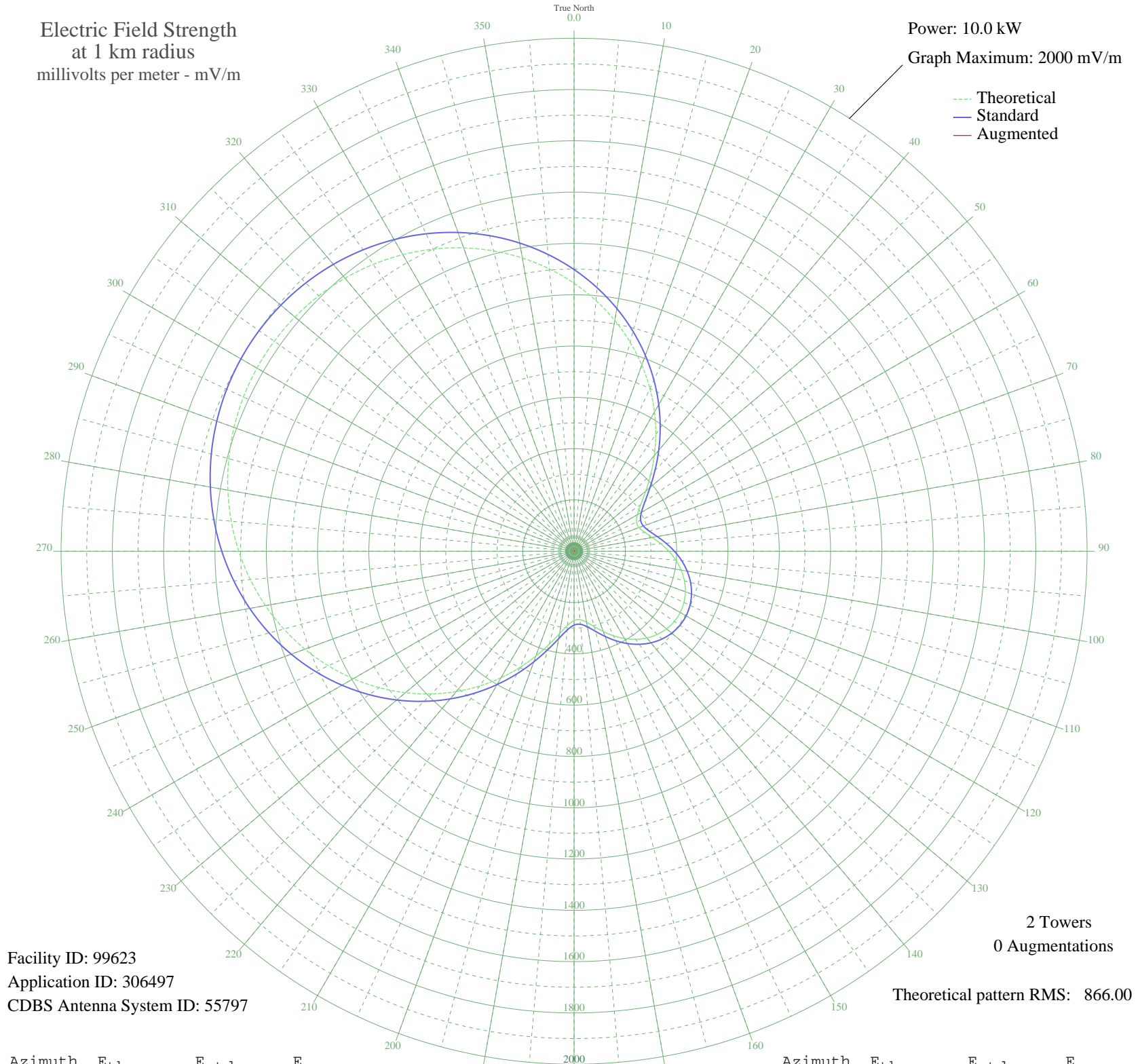
**- BARRA GARCAS, - Brazil -- 720 kHz**

**Nighttime**

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

Power: 10.0 kW  
Graph Maximum: 2000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 99623  
Application ID: 306497  
CDBS Antenna System ID: 55797

2 Towers  
0 Augmentations

Theoretical pattern RMS: 866.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1044.78	1098.17	
5	980.84	1031.11	
10	913.67	960.67	
15	843.91	887.53	
20	772.28	812.45	
25	699.63	736.33	
30	626.96	660.23	
35	555.47	585.41	
40	486.62	513.42	
45	422.29	446.25	
50	364.95	386.49	
55	317.81	337.48	
60	284.60	303.04	
65	268.38	286.26	
70	269.57	287.49	
75	285.08	303.54	
80	309.88	329.24	
85	339.21	359.71	
90	369.48	391.20	
95	398.23	421.16	
100	423.83	447.86	
105	445.19	470.15	
110	461.58	487.26	
115	472.54	498.71	
120	477.79	504.20	
125	477.21	503.59	
130	470.80	496.89	
135	458.72	484.28	
140	441.29	466.08	
145	419.02	442.84	
150	392.69	415.38	
155	363.48	384.96	
160	333.17	353.43	
165	304.42	323.58	
170	281.07	299.38	
175	268.05	285.91	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	270.19	288.13	
185	289.95	308.58	
190	326.25	346.24	
195	375.72	397.70	
200	434.68	459.18	
205	500.09	527.50	
210	569.61	600.20	
215	641.45	675.40	
220	714.19	751.59	
225	786.71	827.58	
230	858.03	902.34	
235	927.34	975.00	
240	993.91	1044.81	
245	1057.13	1111.13	
250	1116.48	1173.39	
255	1171.51	1231.11	
260	1221.83	1283.90	
265	1267.12	1331.43	
270	1307.14	1373.42	
275	1341.67	1409.65	
280	1370.55	1439.95	
285	1393.66	1464.21	
290	1410.92	1482.32	
295	1422.25	1494.21	
300	1427.63	1499.86	
305	1427.03	1499.23	
310	1420.46	1492.33	
315	1407.94	1479.19	
320	1389.50	1459.85	
325	1365.23	1434.37	
330	1335.21	1402.87	
335	1299.57	1365.47	
340	1258.48	1322.36	
345	1212.15	1273.76	
350	1160.87	1219.95	
355	1104.95	1161.28	

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