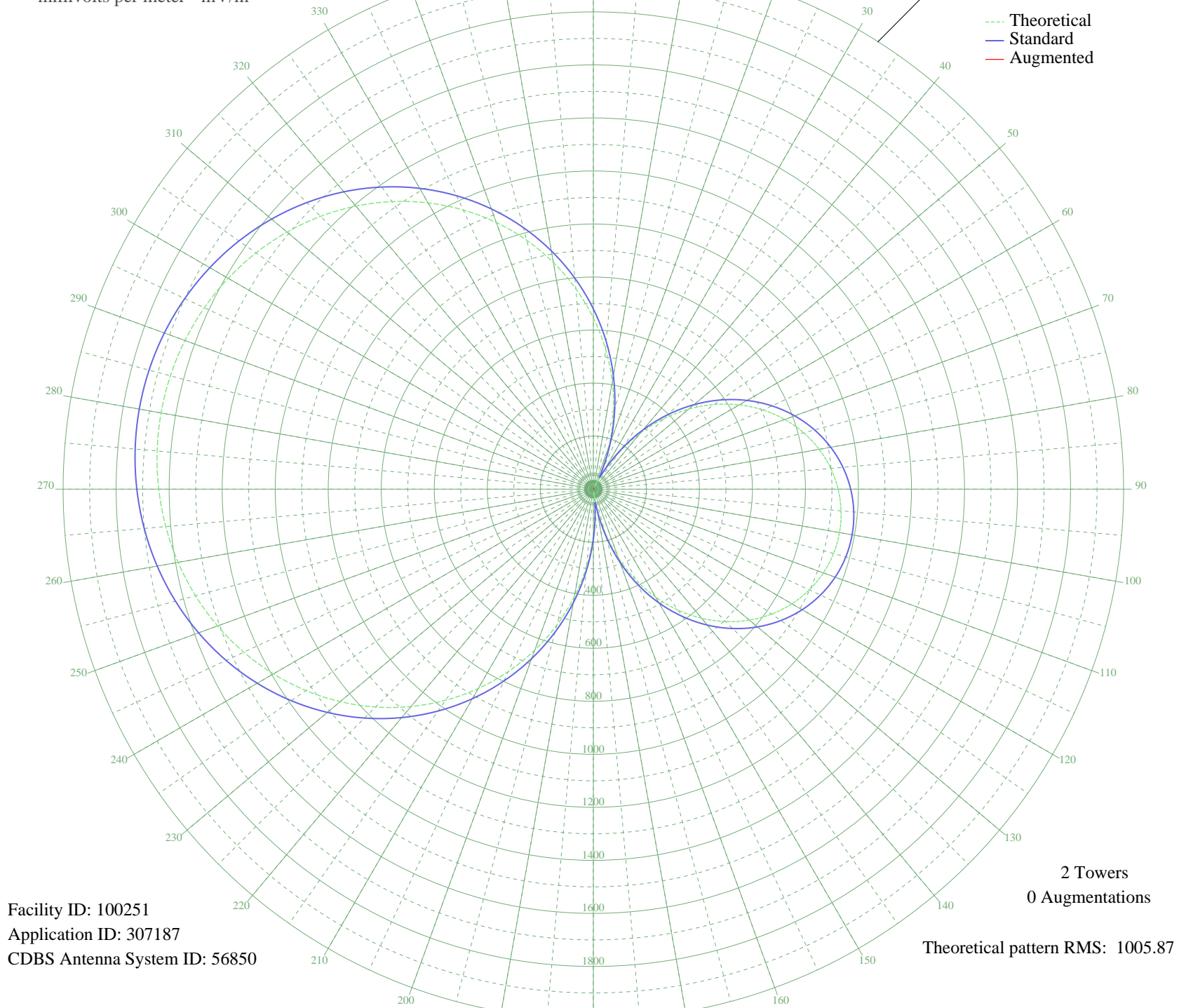


# ZYH-706 BRASILIA, - Brazil -- 890 kHz

Nighttime

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

Power: 10.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 100251  
Application ID: 307187  
CDBS Antenna System ID: 56850

2 Towers  
0 Augmentations

Theoretical pattern RMS: 1005.87

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	645.81	679.85	
5	529.68	558.30	
10	411.57	434.90	
15	292.60	311.08	
20	173.93	189.04	
25	56.72	77.02	
30	57.88	77.96	
35	168.80	183.84	
40	275.01	292.86	
45	375.58	397.37	
50	469.68	495.57	
55	556.57	586.44	
60	635.65	669.21	
65	706.38	743.31	
70	768.36	808.26	
75	821.26	863.71	
80	864.82	909.38	
85	898.87	945.08	
90	923.27	970.67	
95	937.94	986.05	
100	942.84	991.19	
105	937.94	986.05	
110	923.27	970.67	
115	898.87	945.08	
120	864.82	909.38	
125	821.26	863.71	
130	768.36	808.26	
135	706.38	743.31	
140	635.65	669.21	
145	556.57	586.44	
150	469.68	495.57	
155	375.58	397.37	
160	275.01	292.86	
165	168.80	183.84	
170	57.88	77.96	
175	56.72	77.02	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	173.93	189.04	
185	292.60	311.08	
190	411.57	434.90	
195	529.68	558.30	
200	645.81	679.85	
205	758.86	798.30	
210	867.85	912.55	
215	971.86	1021.62	
220	1070.09	1124.66	
225	1161.87	1220.94	
230	1246.63	1309.87	
235	1323.93	1390.99	
240	1393.45	1463.94	
245	1454.96	1528.49	
250	1508.31	1584.48	
255	1553.44	1631.84	
260	1590.32	1670.55	
265	1618.96	1700.60	
270	1639.38	1722.04	
275	1651.62	1734.89	
280	1655.70	1739.17	
285	1651.62	1734.89	
290	1639.38	1722.04	
295	1618.96	1700.60	
300	1590.32	1670.55	
305	1553.44	1631.84	
310	1508.31	1584.48	
315	1454.96	1528.49	
320	1393.45	1463.94	
325	1323.93	1390.99	
330	1246.63	1309.87	
335	1161.87	1220.94	
340	1070.09	1124.66	
345	971.86	1021.62	
350	867.85	912.55	
355	758.86	798.30	

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