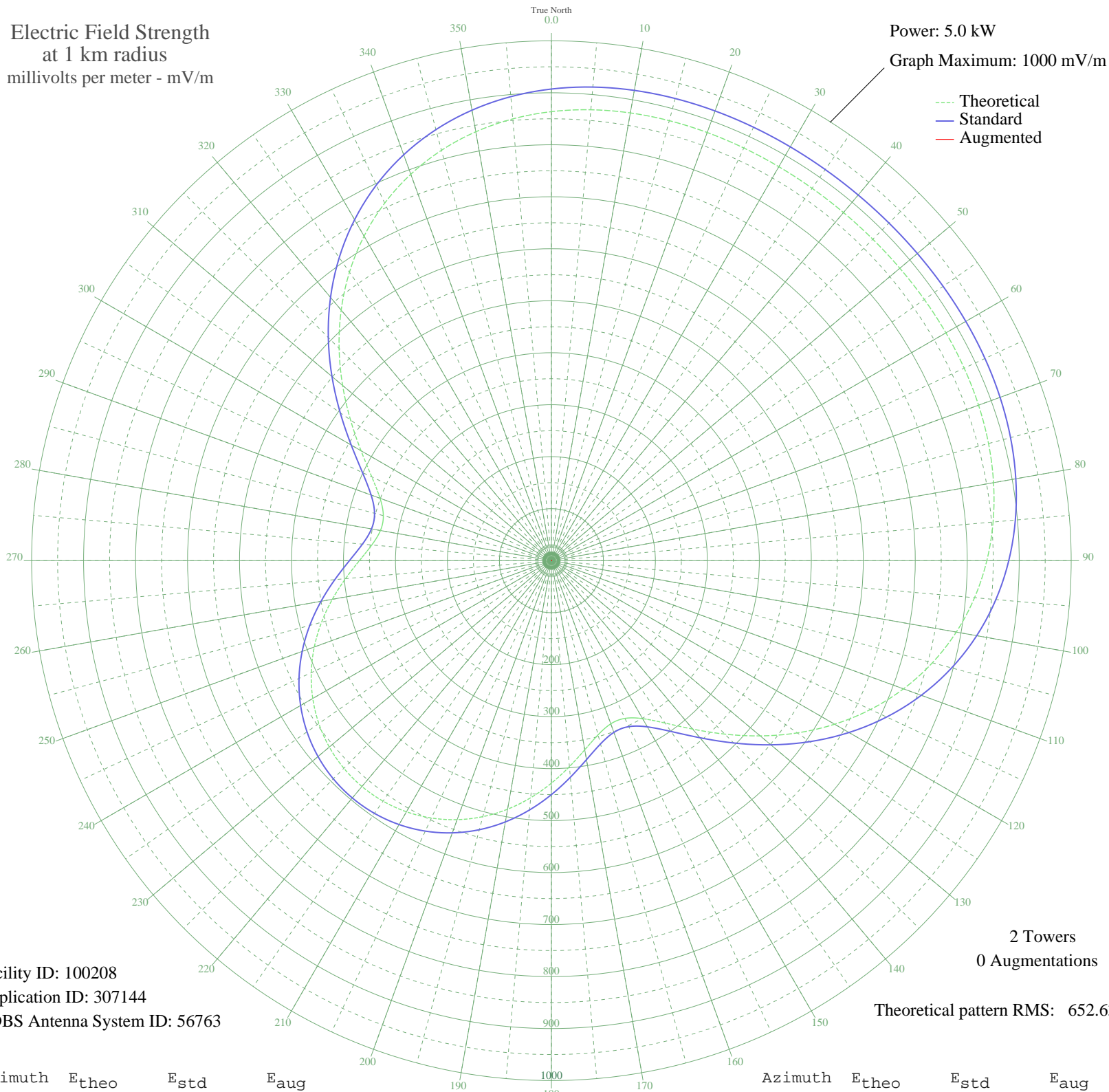


# ZYJ-784 S FRANCISC S, - Brazil -- 870 kHz

Daytime

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

Power: 5.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 100208  
Application ID: 307144  
CDBS Antenna System ID: 56763

Theoretical pattern RMS: 652.63

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	863.74	907.23	
5	870.65	914.48	
10	874.55	918.58	
15	876.23	920.35	
20	876.46	920.59	
25	875.90	920.00	
30	875.09	919.15	
35	874.44	918.46	
40	874.19	918.20	
45	874.44	918.46	
50	875.09	919.15	
55	875.90	920.00	
60	876.46	920.59	
65	876.23	920.35	
70	874.55	918.58	
75	870.65	914.48	
80	863.74	907.23	
85	853.01	895.97	
90	837.71	879.91	
95	817.20	858.38	
100	790.99	830.88	
105	758.86	797.15	
110	720.85	757.26	
115	677.37	711.63	
120	629.21	661.09	
125	577.63	606.96	
130	524.37	551.09	
135	471.80	495.94	
140	422.90	444.66	
145	381.28	401.03	
150	350.83	369.12	
155	334.72	352.24	
160	333.99	351.47	
165	346.83	364.93	
170	369.46	388.64	
175	397.68	418.23	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	427.99	450.00	
185	457.82	481.28	
190	485.44	510.25	
195	509.78	535.78	
200	530.16	557.16	
205	546.22	574.02	
210	557.78	586.14	
215	564.73	593.43	
220	567.05	595.86	
225	564.73	593.43	
230	557.78	586.14	
235	546.22	574.02	
240	530.16	557.16	
245	509.78	535.78	
250	485.44	510.25	
255	457.82	481.28	
260	427.99	450.00	
265	397.68	418.23	
270	369.46	388.64	
275	346.83	364.93	
280	333.99	351.47	
285	334.72	352.24	
290	350.83	369.12	
295	381.28	401.03	
300	422.90	444.66	
305	471.80	495.94	
310	524.37	551.09	
315	577.63	606.96	
320	629.21	661.09	
325	677.37	711.63	
330	720.85	757.26	
335	758.86	797.15	
340	790.99	830.88	
345	817.20	858.38	
350	837.71	879.91	
355	853.01	895.97	

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