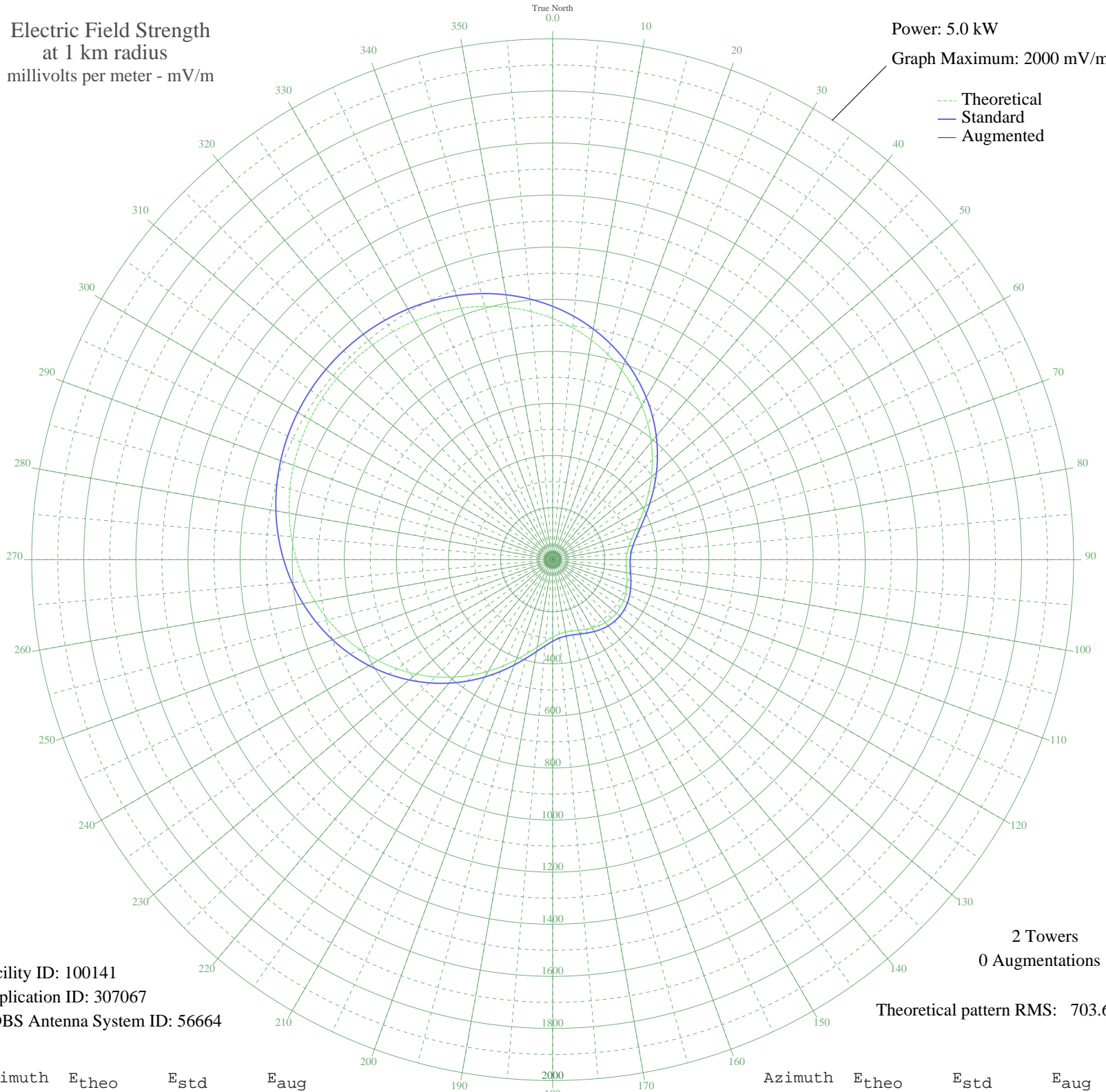


# ZYH-776 PORANGATU, - Brazil -- 850 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 100141  
Application ID: 307067  
CDBS Antenna System ID: 56664

2 Towers  
0 Augmentations  
Theoretical pattern RMS: 703.63

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	926.22	972.86	
5	892.73	937.71	
10	856.13	899.29	
15	816.63	857.83	
20	774.52	813.64	
25	730.17	767.10	
30	684.06	718.71	
35	636.75	669.06	
40	588.89	618.85	
45	541.26	568.89	
50	494.73	520.08	
55	450.27	473.46	
60	408.96	430.15	
65	371.96	391.38	
70	340.43	358.35	
75	315.38	332.11	
80	297.47	313.36	
85	286.76	302.15	
90	282.59	297.79	
95	283.68	298.94	
100	288.44	303.91	
105	295.23	311.02	
110	302.61	318.75	
115	309.45	325.90	
120	314.90	331.61	
125	318.38	335.25	
130	319.58	336.51	
135	318.38	335.25	
140	314.90	331.61	
145	309.45	325.90	
150	302.61	318.75	
155	295.23	311.02	
160	288.44	303.91	
165	283.68	298.94	
170	282.59	297.79	
175	286.76	302.15	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	297.47	313.36	
185	315.38	332.11	
190	340.43	358.35	
195	371.96	391.38	
200	408.96	430.15	
205	450.27	473.46	
210	494.73	520.08	
215	541.26	568.89	
220	588.89	618.85	
225	636.75	669.06	
230	684.06	718.71	
235	730.17	767.10	
240	774.52	813.64	
245	816.63	857.83	
250	856.13	899.29	
255	892.73	937.71	
260	926.22	972.86	
265	956.47	1004.61	
270	983.39	1032.87	
275	1006.97	1057.62	
280	1027.23	1078.89	
285	1044.20	1096.71	
290	1057.97	1111.15	
295	1068.58	1122.29	
300	1076.10	1130.19	
305	1080.60	1134.91	
310	1082.09	1136.48	
315	1080.60	1134.91	
320	1076.10	1130.19	
325	1068.58	1122.29	
330	1057.96	1111.15	
335	1044.20	1096.71	
340	1027.23	1078.89	
345	1006.97	1057.62	
350	983.39	1032.87	
355	956.47	1004.61	

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