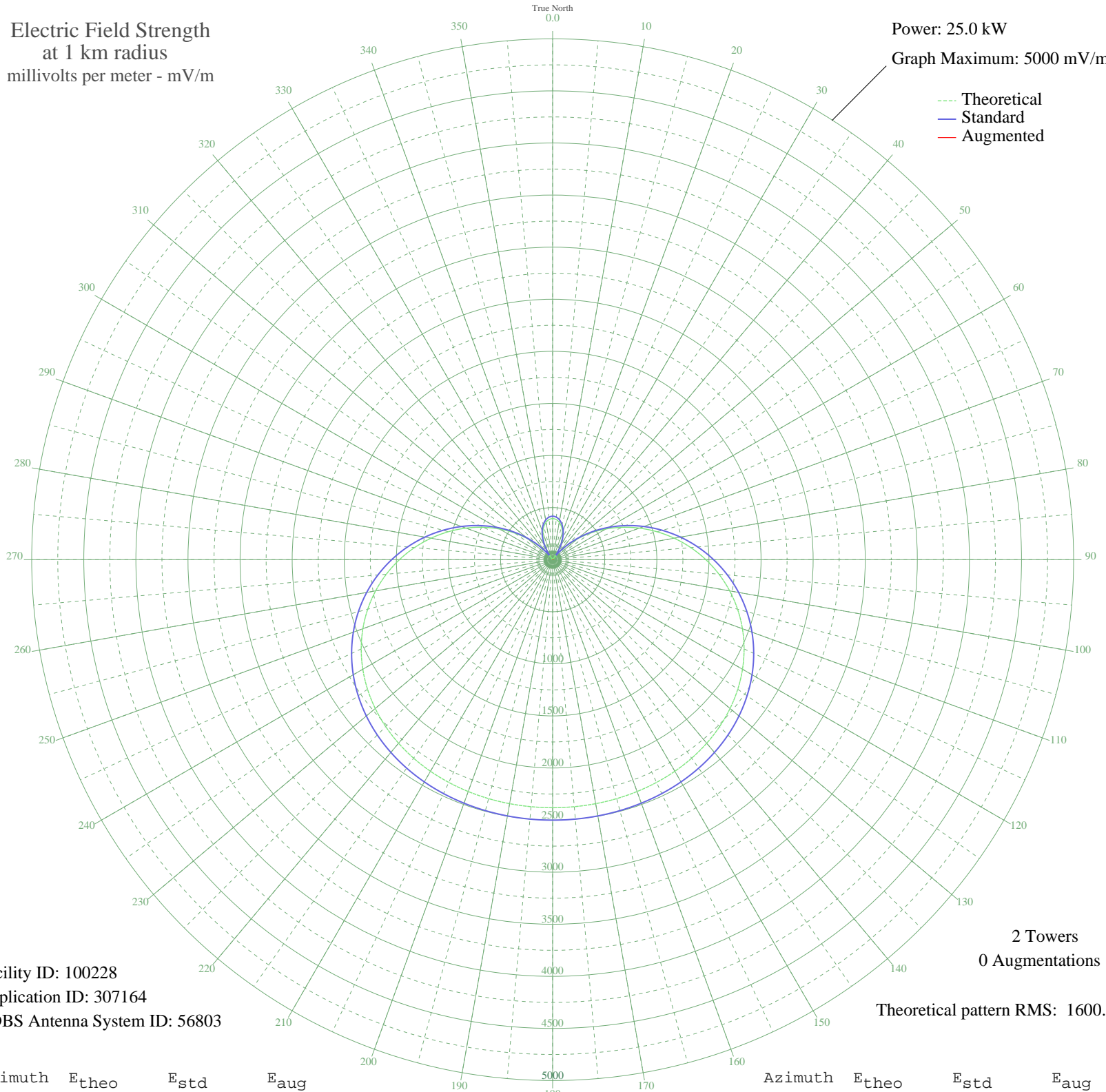


# ZYK-249 GUAIBA, - Brazil -- 880 kHz

Daytime

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

Power: 25.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 100228  
Application ID: 307164  
CDBS Antenna System ID: 56803

2 Towers  
0 Augmentations  
Theoretical pattern RMS: 1600.30

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	394.20	417.23	
5	386.77	409.49	
10	364.50	386.31	
15	327.51	347.87	
20	275.98	294.50	
25	210.22	226.89	
30	130.67	146.91	
35	37.92	65.89	
40	67.23	87.97	
45	183.75	199.96	
50	310.41	330.13	
55	445.71	470.93	
60	587.92	619.54	
65	735.11	773.65	
70	885.20	930.94	
75	1035.99	1089.05	
80	1185.23	1245.60	
85	1330.75	1398.27	
90	1470.45	1544.87	
95	1602.49	1683.43	
100	1725.25	1812.28	
105	1837.48	1930.07	
110	1938.28	2035.87	
115	2027.13	2129.14	
120	2103.93	2209.75	
125	2168.93	2277.98	
130	2222.72	2334.44	
135	2266.15	2380.03	
140	2300.29	2415.87	
145	2326.35	2443.23	
150	2345.61	2463.45	
155	2359.33	2477.85	
160	2368.71	2487.70	
165	2374.81	2494.10	
170	2378.50	2497.98	
175	2380.45	2500.02	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	2381.05	2500.65	
185	2380.45	2500.02	
190	2378.50	2497.98	
195	2374.81	2494.10	
200	2368.71	2487.70	
205	2359.33	2477.85	
210	2345.61	2463.45	
215	2326.35	2443.23	
220	2300.29	2415.87	
225	2266.14	2380.03	
230	2222.72	2334.44	
235	2168.93	2277.98	
240	2103.93	2209.75	
245	2027.13	2129.13	
250	1938.28	2035.87	
255	1837.48	1930.07	
260	1725.25	1812.28	
265	1602.49	1683.43	
270	1470.45	1544.87	
275	1330.74	1398.27	
280	1185.23	1245.60	
285	1035.98	1089.05	
290	885.20	930.94	
295	735.11	773.65	
300	587.91	619.54	
305	445.70	470.93	
310	310.41	330.13	
315	183.75	199.95	
320	67.22	87.97	
325	37.92	65.89	
330	130.67	146.91	
335	210.23	226.89	
340	275.98	294.50	
345	327.51	347.87	
350	364.50	386.31	
355	386.77	409.49	

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