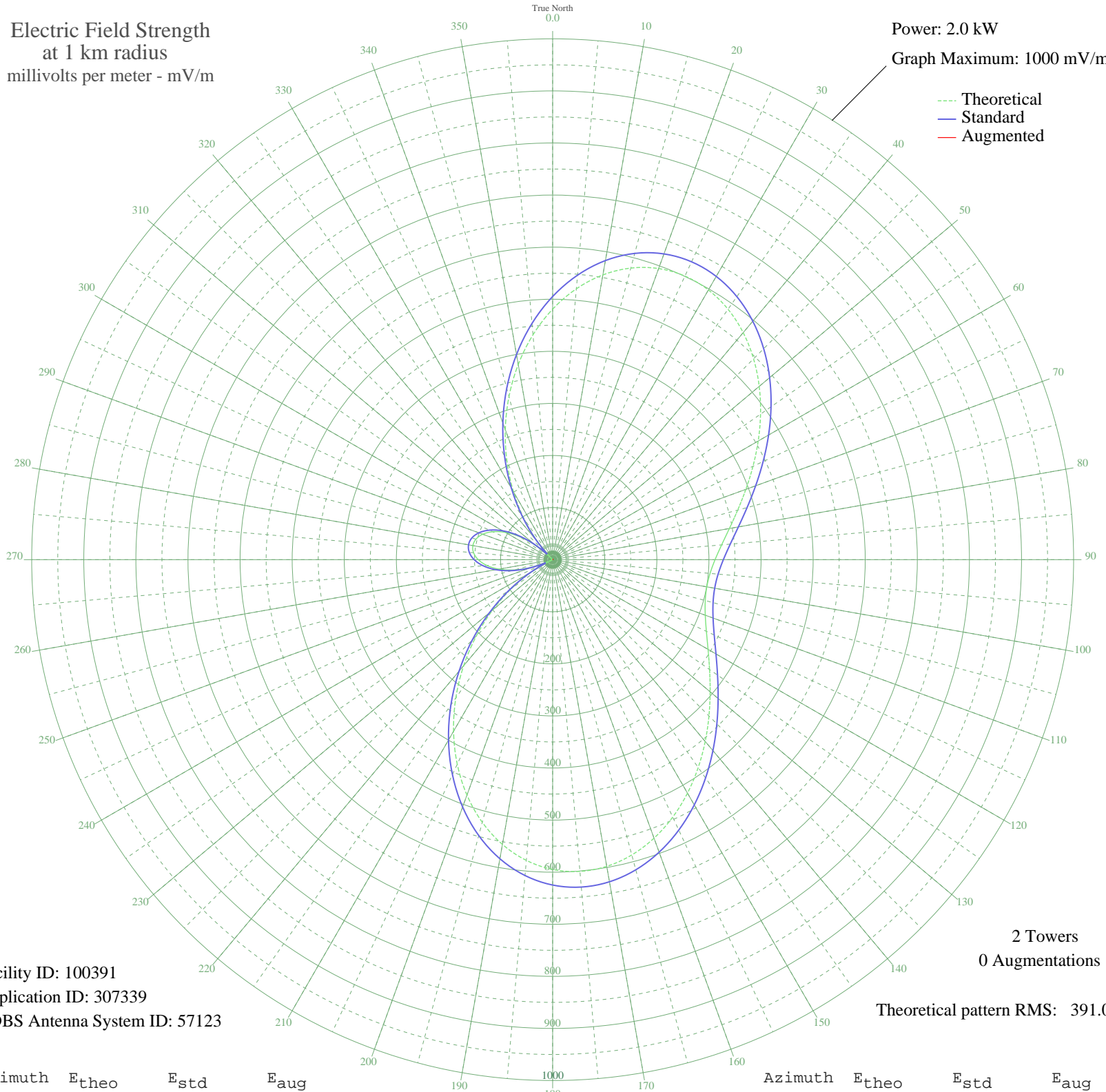


# ZYK-357 TRAMANDAI, - Brazil -- 920 kHz

Nighttime

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

Power: 2.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 100391  
Application ID: 307339  
CDBS Antenna System ID: 57123

2 Towers  
0 Augmentations

Theoretical pattern RMS: 391.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	480.99	505.26	
5	522.01	548.31	
10	555.16	583.10	
15	579.57	608.73	
20	594.79	624.71	
25	600.78	630.99	
30	597.91	627.98	
35	586.96	616.48	
40	569.01	597.64	
45	545.39	572.86	
50	517.59	543.67	
55	487.14	511.72	
60	455.57	478.58	
65	424.31	445.77	
70	394.64	414.64	
75	367.71	386.38	
80	344.45	361.98	
85	325.61	342.21	
90	311.76	327.68	
95	303.30	318.81	
100	300.45	315.82	
105	303.30	318.81	
110	311.76	327.68	
115	325.61	342.21	
120	344.45	361.98	
125	367.71	386.38	
130	394.64	414.64	
135	424.30	445.77	
140	455.57	478.58	
145	487.14	511.72	
150	517.59	543.67	
155	545.39	572.86	
160	569.01	597.64	
165	586.96	616.48	
170	597.91	627.98	
175	600.78	630.99	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	594.79	624.71	
185	579.57	608.73	
190	555.16	583.10	
195	522.01	548.31	
200	480.99	505.26	
205	433.32	455.23	
210	380.46	399.76	
215	324.05	340.57	
220	265.77	279.45	
225	207.29	218.16	
230	150.15	158.35	
235	95.70	101.57	
240	45.07	49.60	
245	0.84	14.88	
250	41.36	45.90	
255	76.05	81.22	
260	104.60	110.83	
265	126.87	134.04	
270	142.79	150.66	
275	152.34	160.65	
280	155.52	163.97	
285	152.34	160.65	
290	142.79	150.66	
295	126.87	134.04	
300	104.60	110.83	
305	76.05	81.22	
310	41.36	45.90	
315	0.84	14.88	
320	45.07	49.60	
325	95.70	101.57	
330	150.15	158.35	
335	207.29	218.16	
340	265.77	279.45	
345	324.05	340.57	
350	380.46	399.76	
355	433.32	455.23	

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.

23 Oct 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission