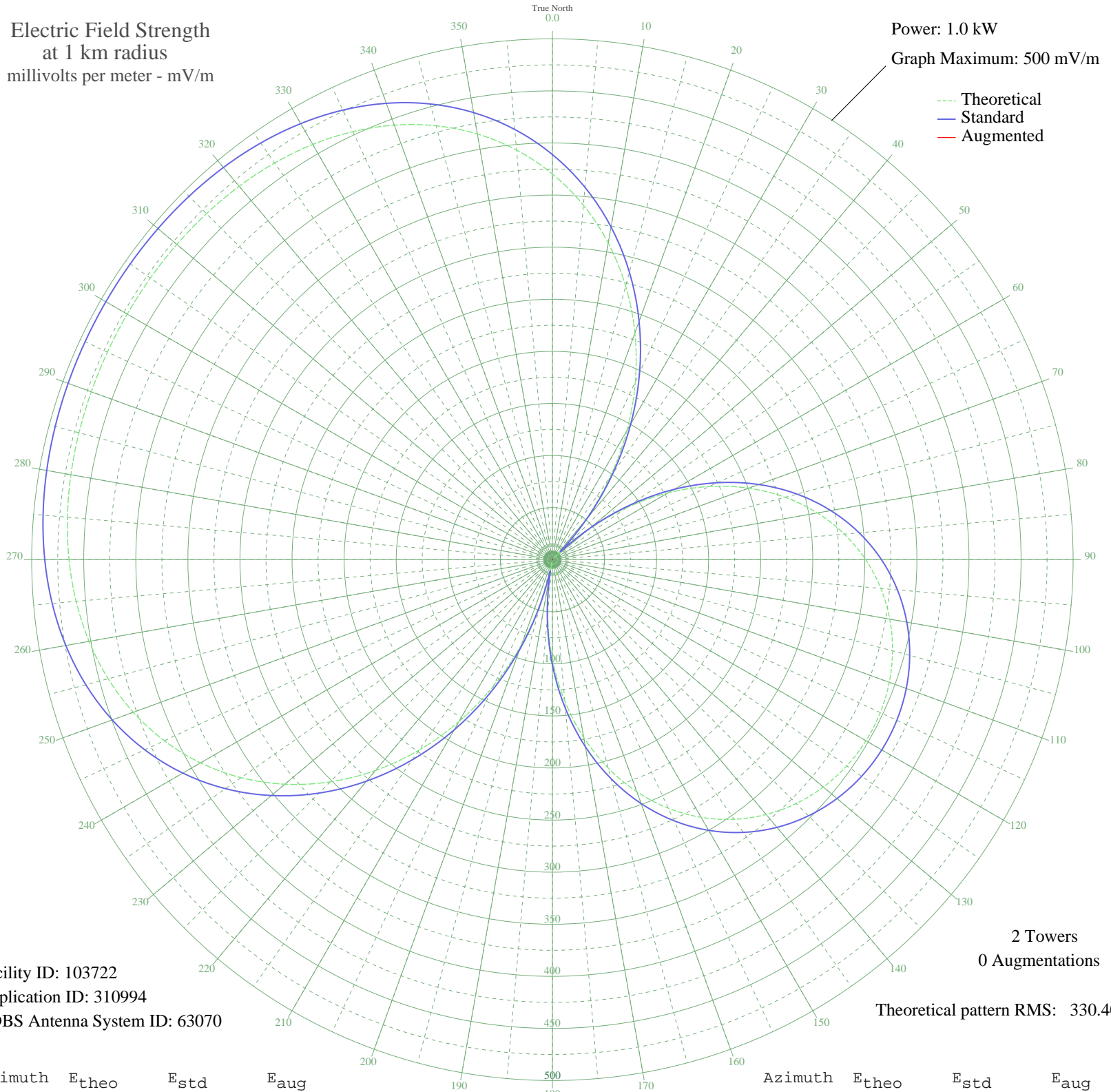


# ZYJ-225 CURITIBA, - Brazil -- 1320 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 500 mV/m



Facility ID: 103722  
Application ID: 310994  
CDBS Antenna System ID: 63070

Theoretical pattern RMS: 330.40

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	370.27	388.93	
5	341.58	358.81	
10	308.71	324.31	
15	271.90	285.69	
20	231.61	243.42	
25	188.41	198.11	
30	143.03	150.55	
35	96.29	101.65	
40	49.05	52.56	
45	2.18	10.75	
50	43.47	46.84	
55	87.16	92.12	
60	128.24	135.07	
65	166.20	174.83	
70	200.67	210.96	
75	231.41	243.21	
80	258.32	271.44	
85	281.42	295.68	
90	300.79	316.00	
95	316.57	332.57	
100	328.96	345.57	
105	338.13	355.19	
110	344.23	361.60	
115	347.40	364.92	
120	347.68	365.22	
125	345.10	362.51	
130	339.59	356.72	
135	331.05	347.76	
140	319.32	335.45	
145	304.22	319.61	
150	285.59	300.05	
155	263.25	276.61	
160	237.10	249.18	
165	207.12	217.73	
170	173.39	182.36	
175	136.10	143.29	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	95.61	100.93	
185	52.39	56.00	
190	7.07	12.86	
195	39.62	42.90	
200	86.85	91.80	
205	133.77	140.85	
210	179.48	188.75	
215	223.18	234.57	
220	264.11	277.51	
225	301.65	316.90	
230	335.34	352.26	
235	364.87	383.26	
240	390.15	409.79	
245	411.21	431.89	
250	428.25	449.79	
255	441.62	463.82	
260	451.72	474.43	
265	459.06	482.13	
270	464.13	487.45	
275	467.45	490.93	
280	469.47	493.05	
285	470.60	494.24	
290	471.17	494.84	
295	471.40	495.09	
300	471.42	495.11	
305	471.24	494.91	
310	470.75	494.40	
315	469.75	493.35	
320	467.94	491.45	
325	464.92	488.28	
330	460.24	483.37	
335	453.40	476.18	
340	443.88	466.20	
345	431.21	452.89	
350	414.93	435.80	
355	394.69	414.56	

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.

24 Oct 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission