

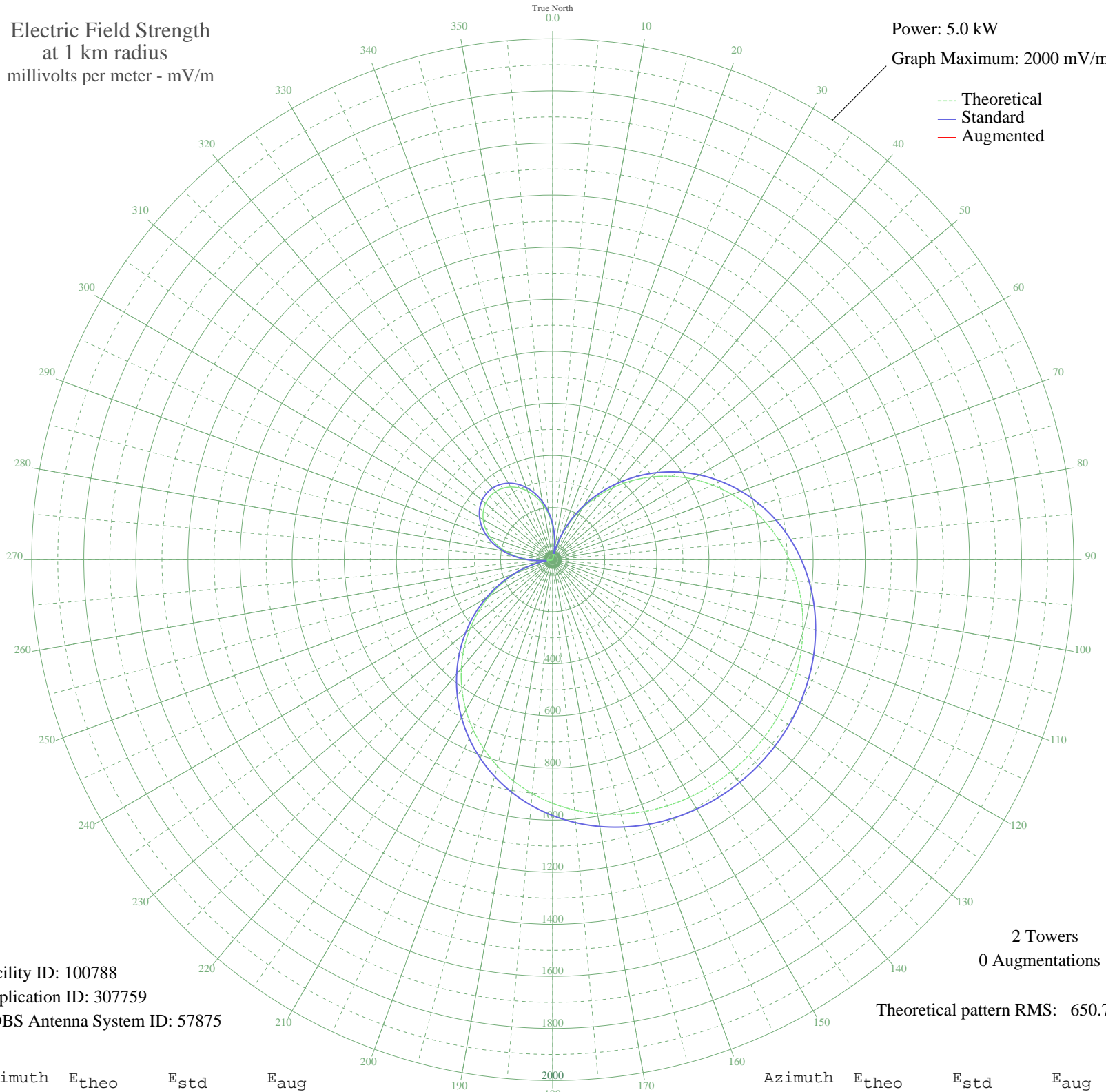
# ZYK202 CANOAS, - Brazil -- 1020 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 100788  
Application ID: 307759  
CDBS Antenna System ID: 57875

2 Towers  
0 Augmentations

Theoretical pattern RMS: 650.76

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	128.12	136.56	
5	77.76	84.96	
10	23.13	33.78	
15	35.26	43.84	
20	96.84	104.35	
25	160.96	170.63	
30	226.92	239.43	
35	293.99	309.58	
40	361.39	380.18	
45	428.34	450.37	
50	494.11	519.35	
55	557.98	586.35	
60	619.30	650.69	
65	677.51	711.77	
70	732.12	769.09	
75	782.77	822.24	
80	829.18	870.95	
85	871.19	915.05	
90	908.73	954.46	
95	941.82	989.19	
100	970.54	1019.34	
105	995.04	1045.06	
110	1015.50	1066.53	
115	1032.10	1083.96	
120	1045.05	1097.55	
125	1054.51	1107.49	
130	1060.63	1113.91	
135	1063.51	1116.93	
140	1063.19	1116.59	
145	1059.67	1112.90	
150	1052.89	1105.78	
155	1042.74	1095.13	
160	1029.08	1080.79	
165	1011.72	1062.57	
170	990.47	1040.26	
175	965.14	1013.67	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	935.55	982.61	
185	901.58	946.95	
190	863.14	906.61	
195	820.25	861.58	
200	772.97	811.96	
205	721.51	757.94	
210	666.14	699.84	
215	607.27	638.07	
220	545.39	573.14	
225	481.09	505.69	
230	415.02	436.41	
235	347.92	366.07	
240	280.53	295.49	
245	213.62	225.53	
250	147.96	157.13	
255	84.30	91.57	
260	23.31	33.91	
265	34.38	43.06	
270	88.19	95.53	
275	137.65	146.42	
280	182.34	192.89	
285	221.94	234.21	
290	256.17	270.01	
295	284.85	300.01	
300	307.82	324.06	
305	324.98	342.03	
310	336.25	353.84	
315	341.60	359.44	
320	341.00	358.82	
325	334.47	351.97	
330	322.01	338.93	
335	303.69	319.74	
340	279.57	294.48	
345	249.77	263.30	
350	214.44	226.38	
355	173.80	183.99	

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.

06 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission