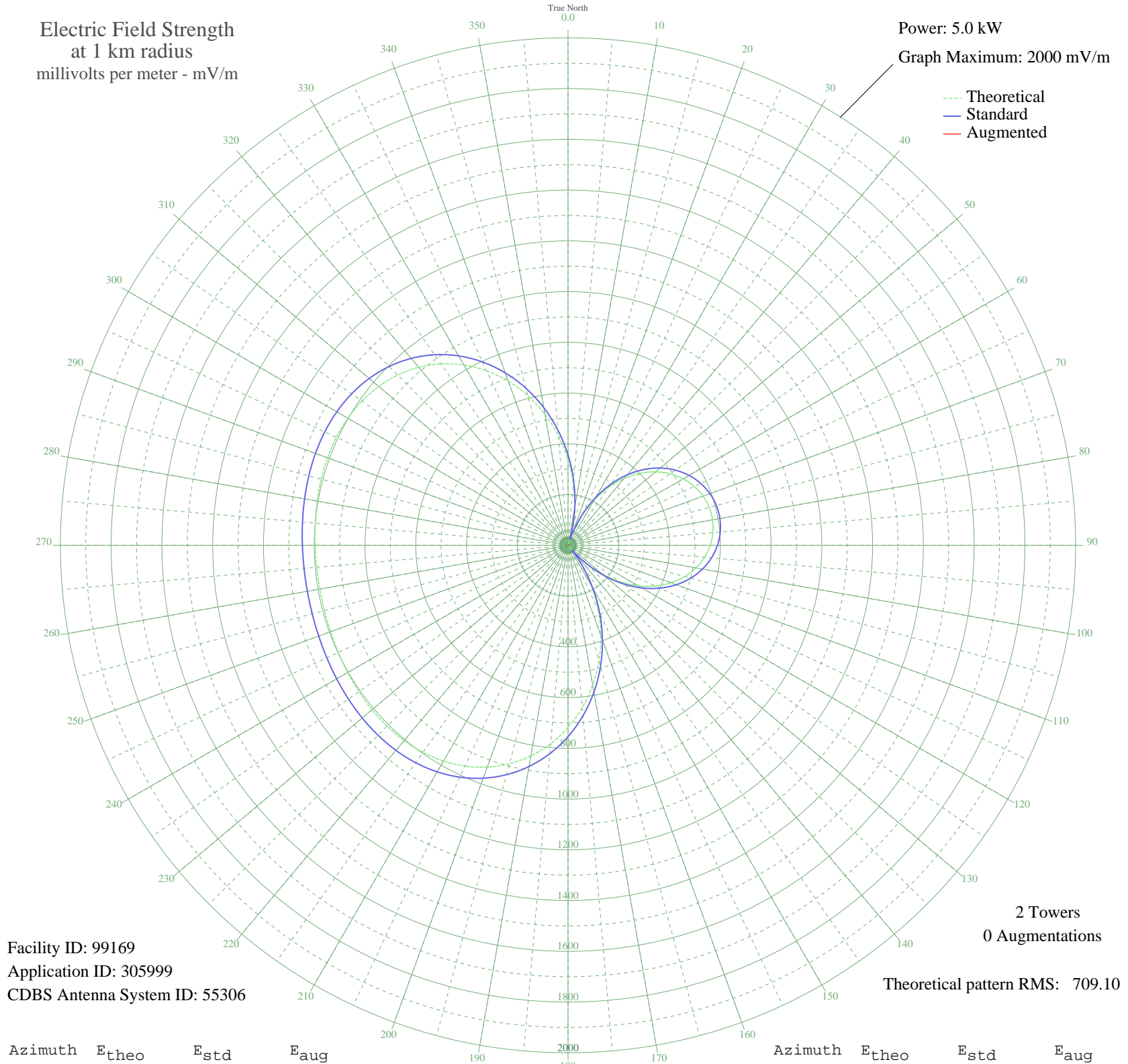


ZYJ-234 CURITIBA, - Brazil -- 590 kHz

Nighttime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 99169
Application ID: 305999
CDBS Antenna System ID: 55306

2 Towers
0 Augmentations

Theoretical pattern RMS: 709.10

Azimuth	E _{theo}	E _{std}	E _{aug}
0	338.56	356.26	
5	242.12	255.31	
10	145.73	154.80	
15	51.19	58.65	
20	39.85	47.98	
25	125.94	134.31	
30	205.91	217.48	
35	278.85	293.74	
40	344.14	362.11	
45	401.40	422.12	
50	450.47	473.57	
55	491.34	516.45	
60	524.15	550.86	
65	549.07	577.00	
70	566.28	595.05	
75	575.95	605.20	
80	578.17	607.53	
85	572.98	602.08	
90	560.31	588.79	
95	540.04	567.52	
100	511.99	538.10	
105	475.97	500.32	
110	431.83	454.02	
115	379.48	399.14	
120	318.97	335.75	
125	250.57	264.14	
130	174.72	184.95	
135	92.18	99.60	
140	3.95	23.84	
145	88.67	96.02	
150	184.16	194.79	
155	280.79	295.77	
160	376.73	396.27	
165	470.11	494.17	
170	559.11	587.53	
175	642.09	674.60	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	717.66	753.91	
185	784.74	824.31	
190	842.62	885.06	
195	890.99	935.83	
200	929.93	976.70	
205	959.87	1008.13	
210	981.56	1030.91	
215	996.00	1046.07	
220	1004.36	1054.84	
225	1007.90	1058.56	
230	1007.90	1058.56	
235	1005.60	1056.14	
240	1002.13	1052.50	
245	998.47	1048.65	
250	995.38	1045.42	
255	993.45	1043.38	
260	992.98	1042.89	
265	994.06	1044.02	
270	996.50	1046.59	
275	999.90	1050.16	
280	1003.60	1054.04	
285	1006.72	1057.32	
290	1008.25	1058.92	
295	1006.98	1057.59	
300	1001.67	1052.02	
305	991.03	1040.84	
310	973.81	1022.77	
315	948.93	996.65	
320	915.46	961.52	
325	872.78	916.72	
330	820.60	861.95	
335	758.98	797.27	
340	688.40	723.20	
345	609.72	640.63	
350	524.14	550.85	
355	433.18	455.45	

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