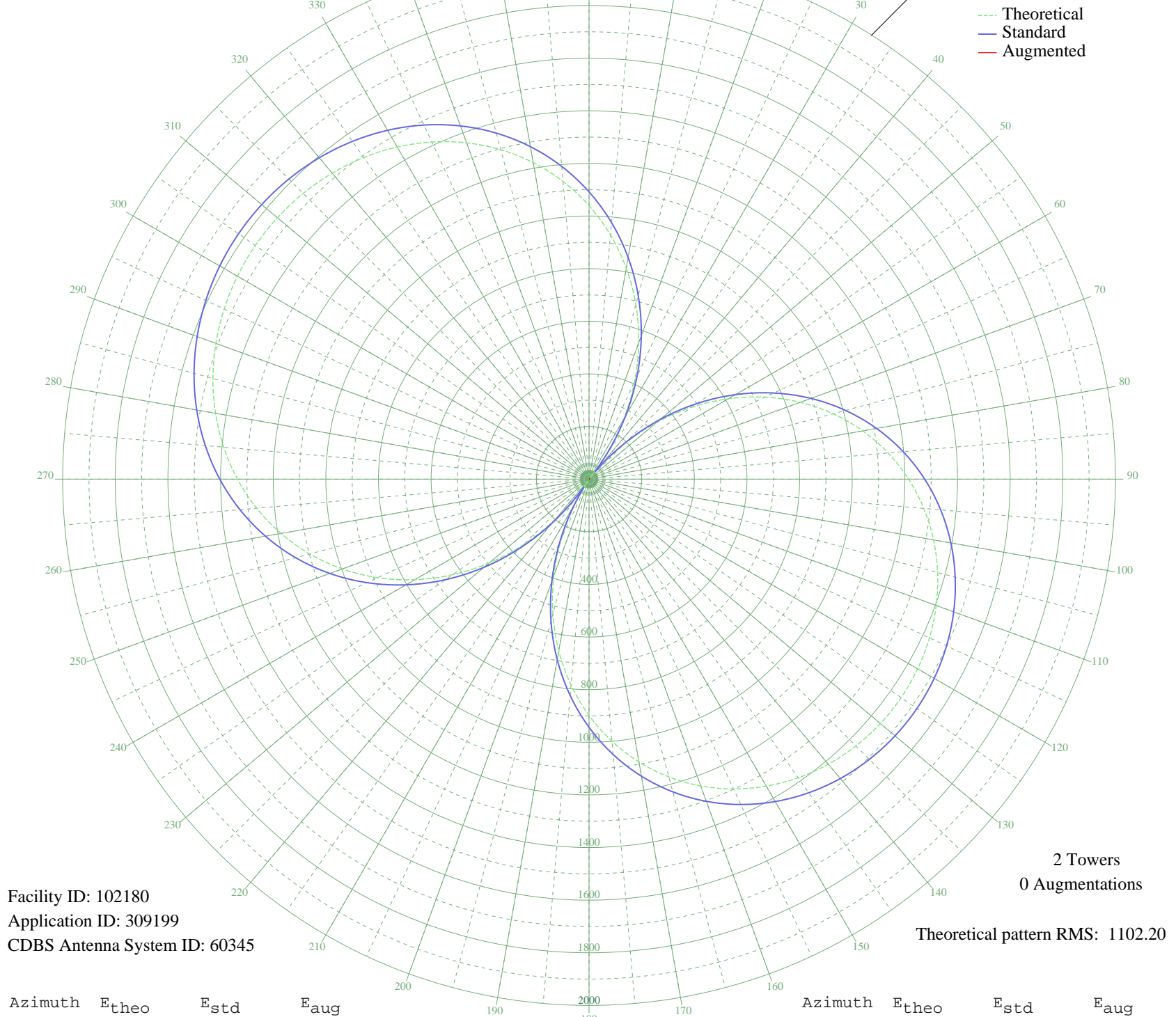


ZYJ-273 CURITIBA, - Brazil -- 1170 kHz

Nighttime

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

Power: 10.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 102180
Application ID: 309199
CDBS Antenna System ID: 60345

Theoretical pattern RMS: 1102.20

Azimuth	E _{theo}	E _{std}	E _{aug}
0	1039.26	1091.79	
5	931.81	979.03	
10	814.09	855.51	
15	686.98	722.18	
20	551.66	580.31	
25	409.63	431.54	
30	262.63	277.99	
35	112.62	123.35	
40	38.33	53.39	
45	188.13	200.63	
50	334.72	353.20	
55	476.16	501.20	
60	610.75	642.25	
65	737.03	774.68	
70	853.85	897.23	
75	960.36	1008.98	
80	1056.03	1109.39	
85	1140.64	1198.18	
90	1214.19	1275.38	
95	1276.89	1341.19	
100	1329.09	1395.99	
105	1371.24	1440.23	
110	1403.79	1474.39	
115	1427.16	1498.92	
120	1441.70	1514.19	
125	1447.64	1520.43	
130	1445.10	1517.76	
135	1434.02	1506.12	
140	1414.21	1485.34	
145	1385.39	1455.08	
150	1347.13	1414.92	
155	1299.00	1364.41	
160	1240.55	1303.05	
165	1171.38	1230.45	
170	1091.21	1146.31	
175	999.95	1050.53	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	897.72	943.26	
185	784.95	824.94	
190	662.33	696.34	
195	530.91	558.56	
200	392.01	413.11	
205	247.26	261.99	
210	98.51	109.22	
215	52.24	65.11	
220	202.88	215.89	
225	351.32	370.55	
230	495.56	521.52	
235	633.76	666.37	
240	764.31	803.30	
245	885.91	930.87	
250	997.55	1048.02	
255	1098.58	1154.04	
260	1188.63	1248.55	
265	1267.64	1331.48	
270	1335.80	1403.03	
275	1393.47	1463.57	
280	1441.15	1513.61	
285	1479.38	1553.75	
290	1508.74	1584.56	
295	1529.72	1606.58	
300	1542.72	1620.24	
305	1548.03	1625.81	
310	1545.76	1623.43	
315	1535.86	1613.03	
320	1518.11	1594.40	
325	1492.16	1567.16	
330	1457.54	1530.82	
335	1413.71	1484.81	
340	1360.10	1428.54	
345	1296.19	1361.45	
350	1221.55	1283.11	
355	1135.92	1193.23	

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau
Federal Communications Commission