

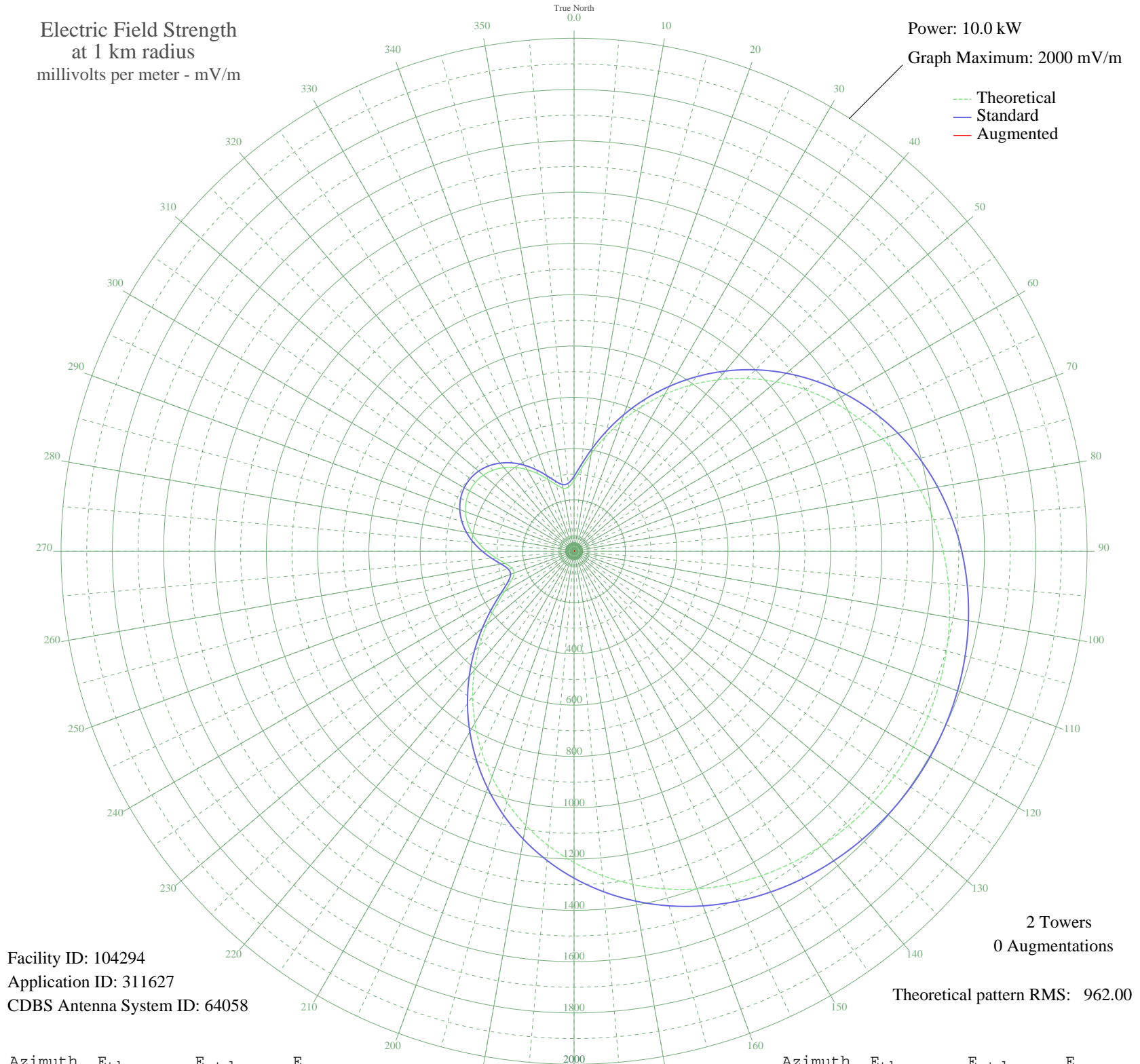
ZYK-209 PORTO ALEGRE, - Brazil -- 1390 kHz

Nighttime

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

Power: 10.0 kW
Graph Maximum: 2000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 104294
Application ID: 311627
CDBS Antenna System ID: 64058

2 Towers
0 Augmentations
Theoretical pattern RMS: 962.00

Azimuth	E _{theo}	E _{std}	E _{aug}
0	276.48	292.20	
5	323.35	341.13	
10	385.98	406.64	
15	459.04	483.14	
20	538.54	566.44	
25	621.59	653.51	
30	706.04	742.09	
35	790.17	830.35	
40	872.59	916.82	
45	952.11	1000.27	
50	1027.80	1079.70	
55	1098.88	1154.30	
60	1164.78	1223.47	
65	1225.10	1286.79	
70	1279.60	1343.99	
75	1328.17	1394.98	
80	1370.87	1439.79	
85	1407.81	1478.57	
90	1439.22	1511.54	
95	1465.36	1538.98	
100	1486.51	1561.18	
105	1502.95	1578.44	
110	1514.94	1591.03	
115	1522.68	1599.15	
120	1526.31	1602.97	
125	1525.91	1602.55	
130	1521.46	1597.88	
135	1512.88	1588.88	
140	1500.02	1575.37	
145	1482.66	1557.15	
150	1460.54	1533.92	
155	1433.37	1505.40	
160	1400.87	1471.29	
165	1362.79	1431.32	
170	1318.93	1385.28	
175	1269.17	1333.04	

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

Azimuth	E _{theo}	E _{std}	E _{aug}
180	1213.50	1274.61	
185	1152.04	1210.10	
190	1085.06	1139.80	
195	1013.01	1064.18	
200	936.49	983.87	
205	856.30	899.73	
210	773.44	812.80	
215	689.13	724.34	
220	604.81	635.91	
225	522.27	549.39	
230	443.81	467.18	
235	372.47	392.50	
240	312.52	329.82	
245	269.53	284.95	
250	248.92	263.47	
255	251.87	266.54	
260	273.11	288.68	
265	304.60	321.55	
270	339.65	358.18	
275	373.91	394.01	
280	404.74	426.27	
285	430.54	453.28	
290	450.34	474.02	
295	463.58	487.89	
300	469.91	494.53	
305	469.21	493.79	
310	461.48	485.69	
315	446.89	470.41	
320	425.83	448.35	
325	398.93	420.20	
330	367.27	387.06	
335	332.59	350.80	
340	297.83	314.48	
345	267.79	283.13	
350	249.57	264.14	
355	251.10	265.74	