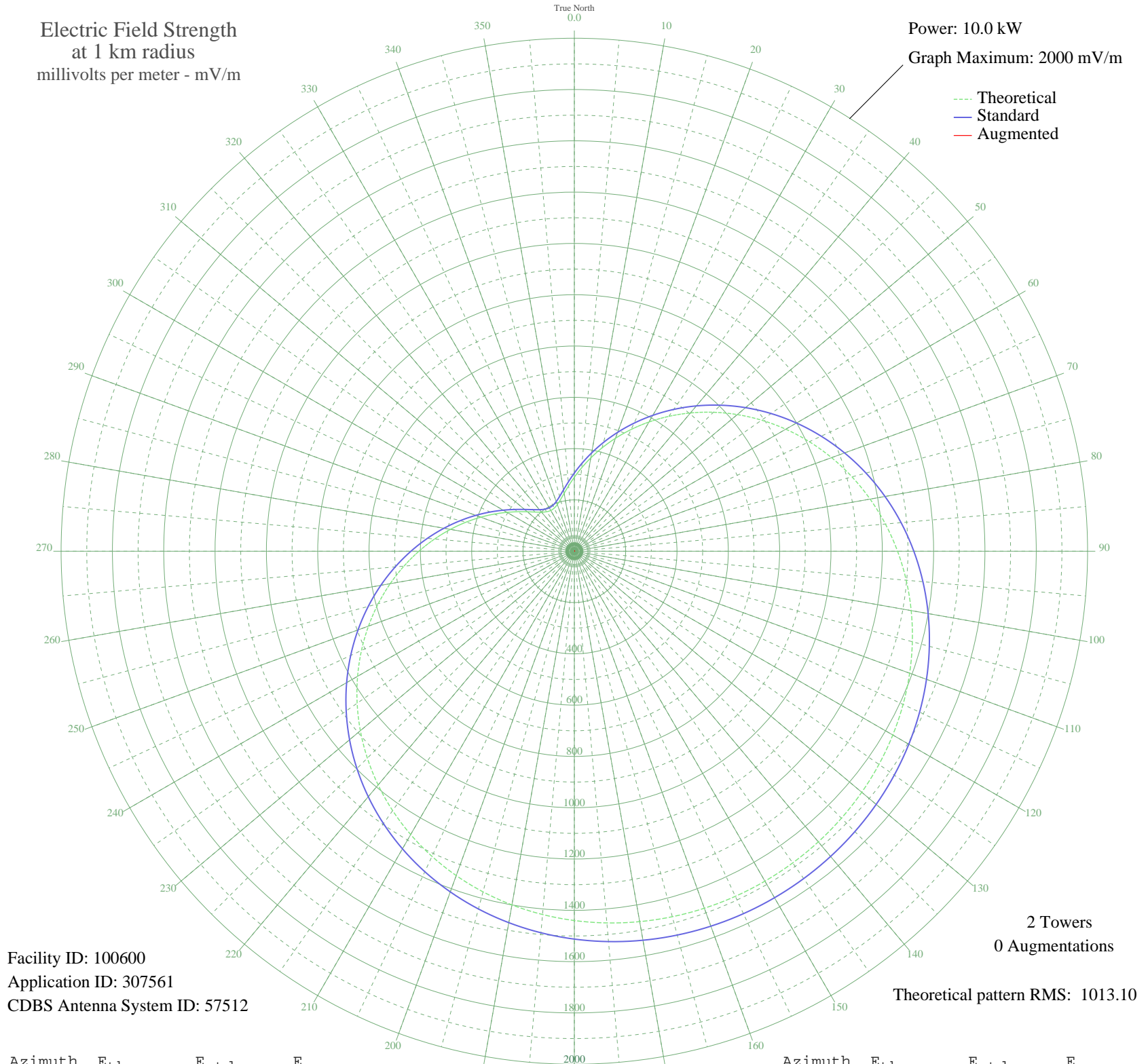


ZYK-201 PORTO ALEGRE, - Brazil -- 970 kHz

Nighttime

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

Power: 10.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 100600
Application ID: 307561
CDBS Antenna System ID: 57512

2 Towers
0 Augmentations
Theoretical pattern RMS: 1013.10

Azimuth	E _{theo}	E _{std}	E _{aug}
0	288.53	304.77	
5	326.49	344.42	
10	369.47	389.36	
15	417.02	439.13	
20	468.64	493.19	
25	523.75	550.94	
30	581.74	611.73	
35	641.94	674.85	
40	703.65	739.58	
45	766.16	805.16	
50	828.77	870.84	
55	890.77	935.90	
60	951.50	999.63	
65	1010.34	1061.38	
70	1066.74	1120.57	
75	1120.21	1176.69	
80	1170.35	1229.32	
85	1216.87	1278.15	
90	1259.54	1322.93	
95	1298.24	1363.55	
100	1332.92	1399.96	
105	1363.61	1432.18	
110	1390.42	1460.32	
115	1413.48	1484.52	
120	1432.96	1504.98	
125	1449.08	1521.90	
130	1462.02	1535.48	
135	1471.97	1545.92	
140	1479.09	1553.40	
145	1483.51	1558.04	
150	1485.32	1559.94	
155	1484.55	1559.13	
160	1481.18	1555.59	
165	1475.15	1549.26	
170	1466.35	1540.02	
175	1454.63	1527.72	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	1439.80	1512.16	
185	1421.69	1493.14	
190	1400.08	1470.46	
195	1374.79	1443.92	
200	1345.67	1413.34	
205	1312.59	1378.62	
210	1275.50	1339.69	
215	1234.41	1296.56	
220	1189.41	1249.32	
225	1140.69	1198.18	
230	1088.50	1143.41	
235	1033.22	1085.39	
240	975.30	1024.60	
245	915.25	961.59	
250	853.68	896.98	
255	791.24	831.46	
260	728.60	765.75	
265	666.48	700.59	
270	605.59	636.74	
275	546.64	574.93	
280	490.30	515.89	
285	437.21	460.27	
290	387.97	408.72	
295	343.10	361.78	
300	303.09	319.97	
305	268.34	283.70	
310	239.20	253.35	
315	215.96	229.17	
320	198.83	211.39	
325	187.97	200.14	
330	183.48	195.50	
335	185.41	197.49	
340	193.73	206.11	
345	208.36	221.29	
350	229.18	242.92	
355	255.99	270.84	

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission