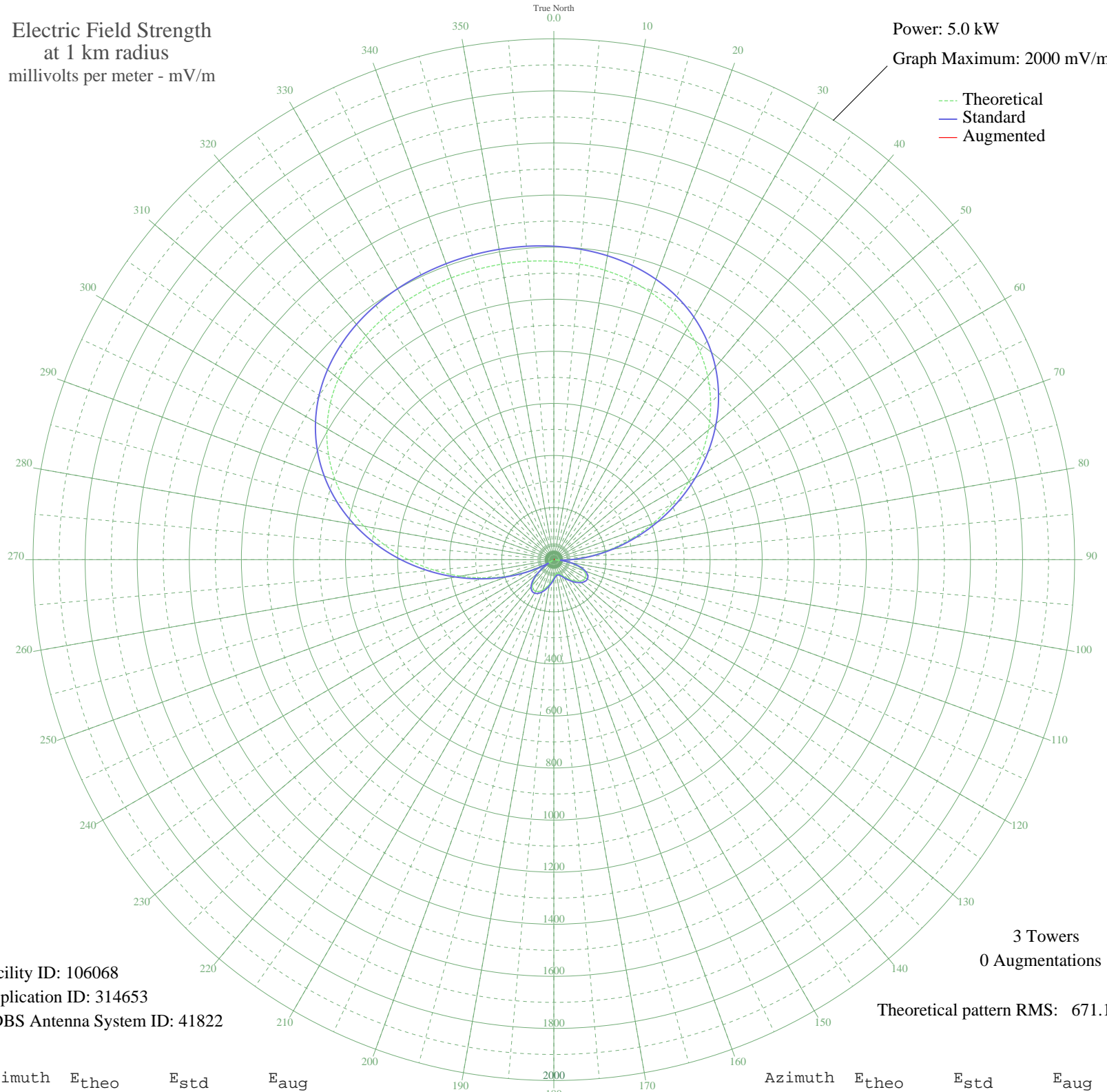


CHLN TROIS RIVIERES, QC Canada -- 550 kHz

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: 106068
Application ID: 314653
CDBS Antenna System ID: 41822

3 Towers
0 Augmentations

Theoretical pattern RMS: 671.10

Azimuth	E _{theo}	E _{std}	E _{aug}
0	1145.96	1203.49	
5	1139.05	1196.23	
10	1128.40	1185.05	
15	1112.84	1168.71	
20	1091.09	1145.89	
25	1061.89	1115.23	
30	1024.05	1075.51	
35	976.66	1025.76	
40	919.19	965.44	
45	851.62	894.51	
50	774.49	813.56	
55	689.01	723.85	
60	597.01	627.30	
65	500.83	526.39	
70	403.25	424.06	
75	307.26	323.47	
80	215.83	227.84	
85	131.73	140.30	
90	57.27	64.56	
95	5.83	24.26	
100	56.56	63.86	
105	94.63	102.10	
110	120.46	128.65	
115	135.08	143.77	
120	140.00	148.87	
125	137.06	145.82	
130	128.28	136.72	
135	115.68	123.71	
140	101.22	108.84	
145	86.65	93.97	
150	73.48	80.65	
155	62.92	70.12	
160	55.86	63.18	
165	52.86	60.26	
170	54.15	61.52	
175	59.64	66.88	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	68.89	76.05	
185	81.14	88.38	
190	95.32	102.80	
195	110.02	117.88	
200	123.58	131.87	
205	134.14	142.79	
210	139.66	148.51	
215	138.12	146.91	
220	127.58	136.00	
225	106.39	114.15	
230	73.30	80.47	
235	27.64	37.33	
240	30.59	39.79	
245	100.68	108.29	
250	181.17	191.68	
255	269.98	284.45	
260	364.49	383.44	
265	461.80	485.46	
270	558.89	587.30	
275	652.87	685.92	
280	741.21	778.63	
285	821.86	863.27	
290	893.36	938.32	
295	954.90	1002.92	
300	1006.28	1056.85	
305	1047.85	1100.49	
310	1080.38	1134.64	
315	1104.95	1160.44	
320	1122.83	1179.21	
325	1135.30	1192.29	
330	1143.58	1200.99	
335	1148.73	1206.39	
340	1151.57	1209.38	
345	1152.65	1210.52	
350	1152.20	1210.04	
355	1150.11	1207.84	

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.

06 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission