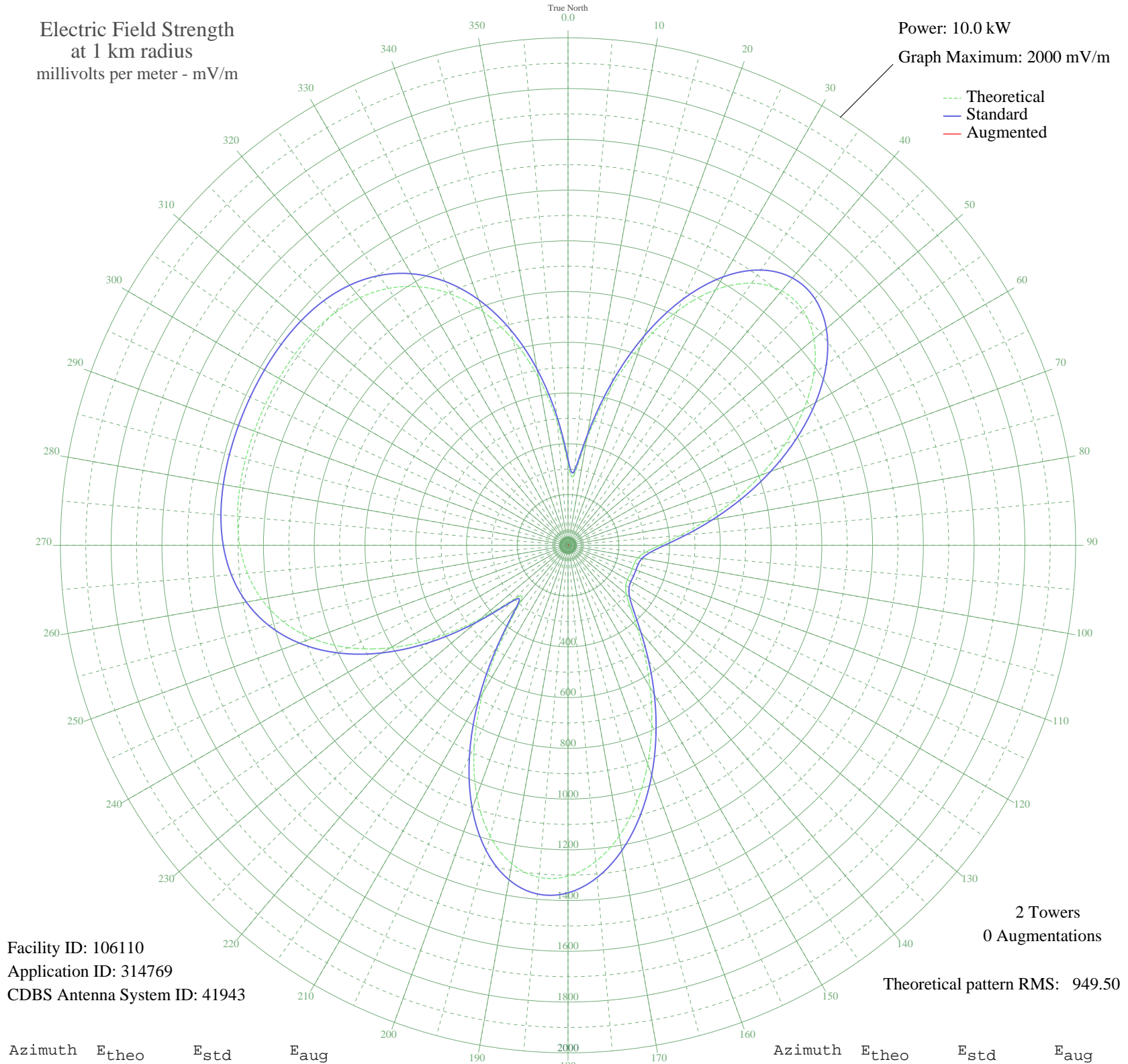


# CHNC NEW CARLISLE, QC Canada -- 610 kHz

Daytime

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

Power: 10.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 106110  
Application ID: 314769  
CDBS Antenna System ID: 41943

2 Towers  
0 Augmentations  
Theoretical pattern RMS: 949.50

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	320.52	338.18	
5	279.34	295.18	
10	422.35	444.71	
15	629.31	661.61	
20	836.16	878.60	
25	1018.46	1069.90	
30	1162.70	1221.29	
35	1260.91	1324.37	
40	1309.62	1375.50	
45	1309.53	1375.41	
50	1264.94	1328.61	
55	1183.02	1242.61	
60	1072.83	1126.96	
65	944.42	992.20	
70	807.93	848.98	
75	673.02	707.45	
80	548.49	576.87	
85	442.20	465.49	
90	360.67	380.16	
95	307.48	324.56	
100	280.42	296.31	
105	271.05	286.53	
110	269.47	284.88	
115	269.44	284.86	
120	270.38	285.84	
125	277.47	293.23	
130	300.18	316.93	
135	347.74	366.63	
140	423.74	446.16	
145	525.53	552.81	
150	647.01	680.17	
155	780.53	820.23	
160	917.45	963.89	
165	1048.28	1101.19	
170	1162.92	1221.52	
175	1251.27	1314.26	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1303.98	1369.58	
185	1313.42	1379.49	
190	1274.64	1338.79	
195	1186.20	1245.95	
200	1050.68	1103.71	
205	875.12	919.48	
210	671.73	706.10	
215	461.75	485.98	
220	296.63	313.23	
225	297.03	313.64	
230	450.58	474.27	
235	635.28	667.87	
240	807.55	848.58	
245	954.56	1002.83	
250	1072.54	1126.66	
255	1161.96	1220.51	
260	1225.67	1287.38	
265	1267.90	1331.71	
270	1293.45	1358.53	
275	1307.12	1372.87	
280	1313.19	1379.25	
285	1315.16	1381.31	
290	1315.48	1381.65	
295	1315.49	1381.66	
300	1315.29	1381.46	
305	1313.82	1379.91	
310	1308.81	1374.66	
315	1296.99	1362.24	
320	1274.18	1338.31	
325	1235.68	1297.89	
330	1176.64	1235.92	
335	1092.65	1147.76	
340	980.50	1030.07	
345	839.18	881.76	
350	671.35	705.70	
355	487.25	512.69	

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