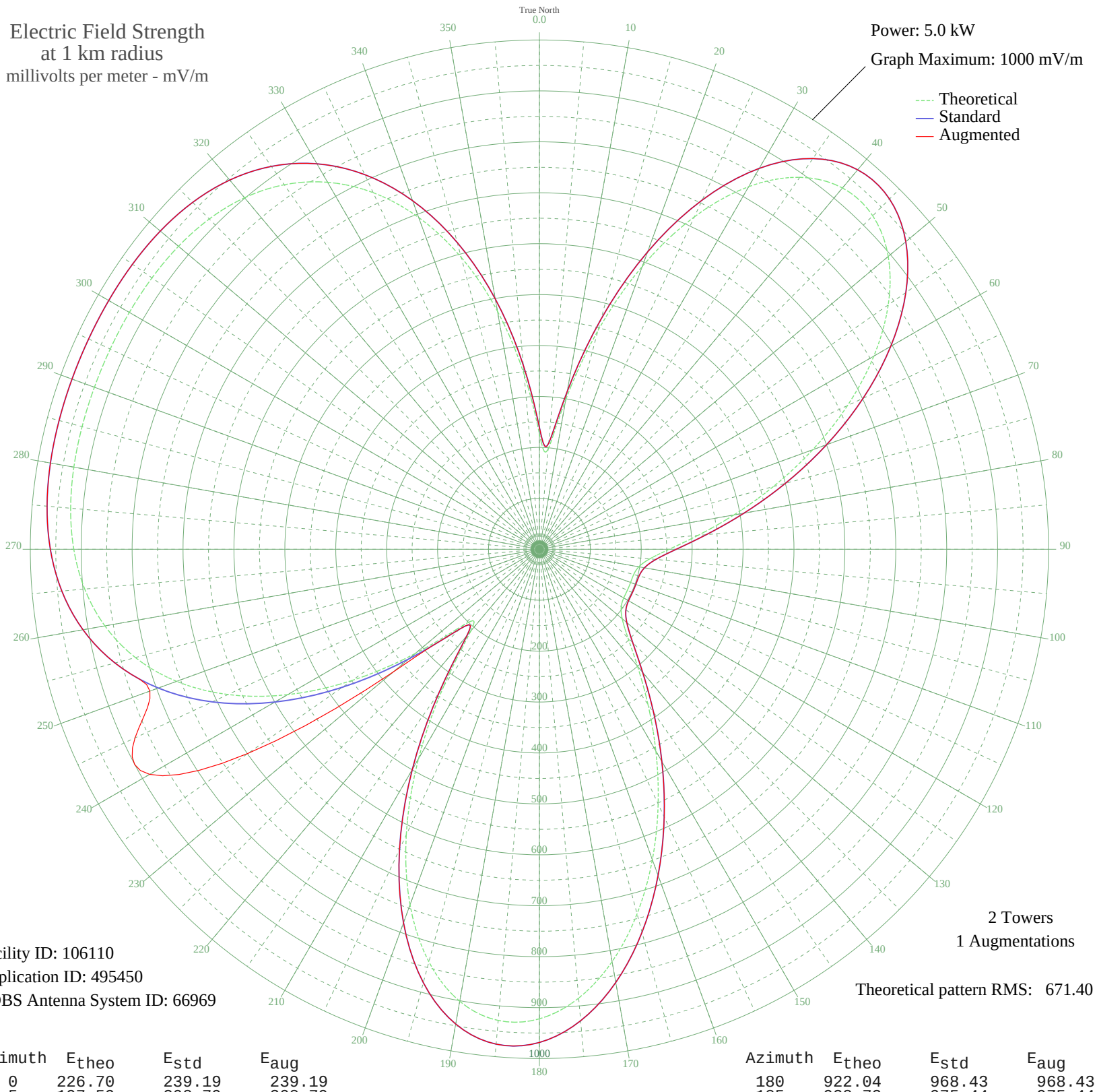
CHNC NEW CARLISLE, QC Canada -- 610 kHz

Nighttime

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



Power: 5.0 kW

Graph Maximum: 1000 mV/m

Theoretical
Standard
Augmented

2 Towers
1 Augmentations

Facility ID: 106110
Application ID: 495450
CDBS Antenna System ID: 66969

Theoretical pattern RMS: 671.40

Azimuth	E_{theo}	E_{std}	E_{aug}
0	226.70	239.19	239.19
5	197.59	208.79	208.79
10	298.69	314.50	314.50
15	445.01	467.85	467.85
20	591.26	621.27	621.27
25	720.16	756.53	756.53
30	822.15	863.57	863.57
35	891.59	936.46	936.46
40	926.03	972.62	972.62
45	925.97	972.55	972.55
50	894.44	939.46	939.46
55	836.51	878.65	878.65
60	758.60	796.88	796.88
65	667.81	701.59	701.59
70	571.30	600.33	600.33
75	475.91	500.26	500.26
80	387.86	407.93	407.93
85	312.72	329.19	329.19
90	255.08	268.86	268.86
95	217.48	229.56	229.56
100	198.35	209.59	209.59
105	191.73	202.68	202.68
110	190.61	201.51	201.51
115	190.59	201.49	201.49
120	191.26	202.19	202.19
125	196.26	207.41	207.41
130	212.32	224.16	224.16
135	245.94	259.30	259.30
140	299.67	315.52	315.52
145	371.64	390.92	390.92
150	457.52	480.97	480.97
155	551.93	580.00	580.00
160	648.74	681.58	681.58
165	741.24	778.66	778.66
170	822.31	863.74	863.74
175	884.78	929.31	929.31

Azimuth	E_{theo}	E_{std}	E_{aug}
180	922.04	968.43	968.43
185	928.72	975.44	975.44
190	901.30	946.66	946.66
195	838.76	881.01	881.01
200	742.94	780.44	780.44
205	618.81	650.17	650.17
210	475.00	499.31	499.31
215	326.54	343.67	343.67
220	209.81	221.55	221.55
225	210.09	221.84	221.84
230	318.64	335.39	375.12
235	449.23	472.27	698.77
240	571.03	600.05	884.00
245	674.97	709.11	876.40
250	758.40	796.67	814.19
255	821.62	863.02	863.02
260	866.67	910.31	910.31
265	896.53	941.65	941.65
270	914.60	960.62	960.62
275	924.26	970.76	970.76
280	928.55	975.26	975.26
285	929.94	976.72	976.72
290	930.17	976.97	976.97
295	930.18	976.97	976.97
300	930.04	976.83	976.83
305	929.00	975.73	975.73
310	925.46	972.02	972.02
315	917.10	963.24	963.24
320	900.98	946.32	946.32
325	873.75	917.74	917.74
330	832.00	873.92	873.92
335	772.61	811.58	811.58
340	693.32	728.37	728.37
345	593.39	623.51	623.51
350	474.73	499.02	499.02
355	344.57	362.56	362.56

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission