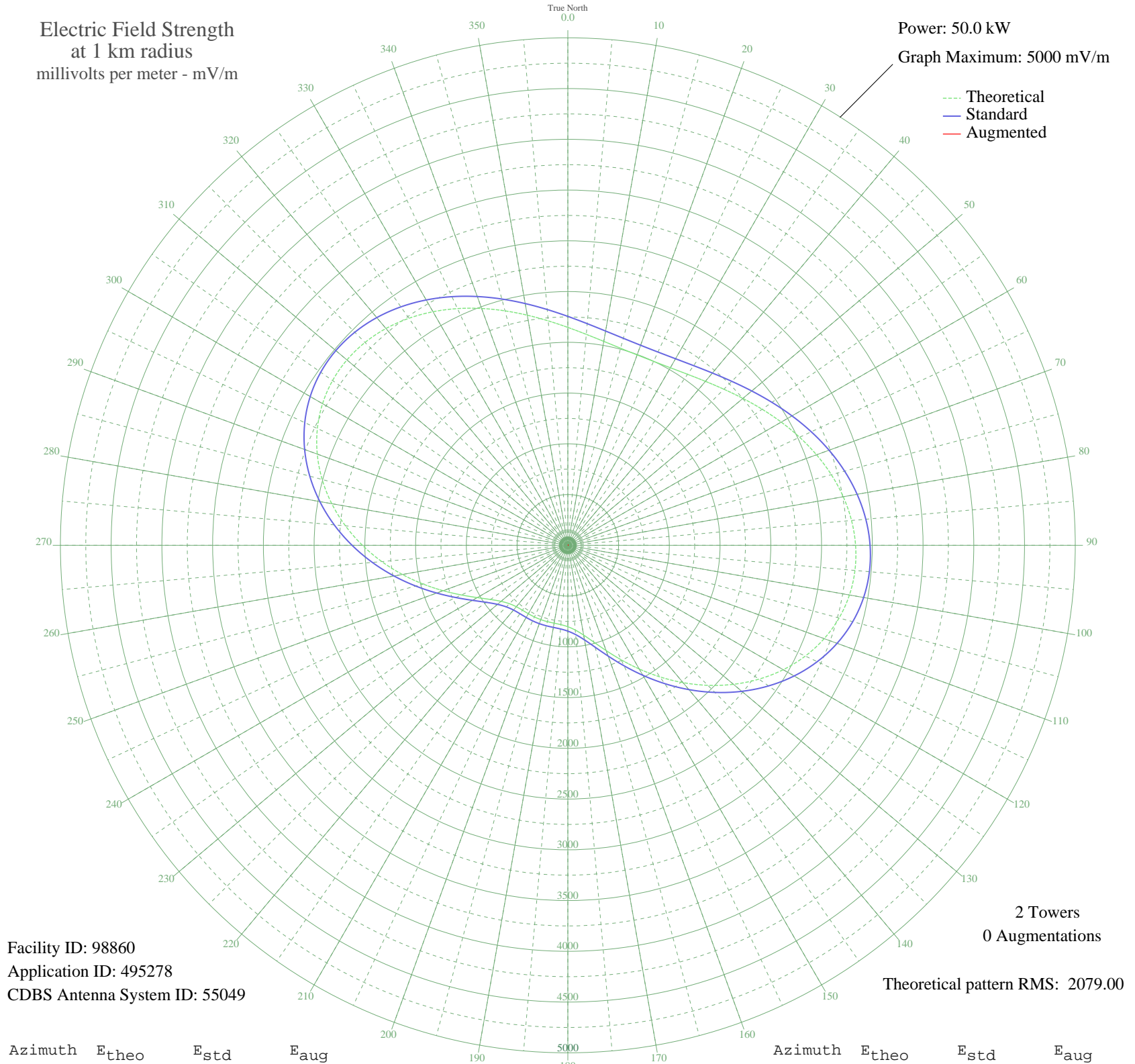


# CIGM SUDBURY, ON Canada -- 790 kHz

Daytime

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

Power: 50.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 98860  
Application ID: 495278  
CDBS Antenna System ID: 55049

2 Towers  
0 Augmentations  
Theoretical pattern RMS: 2079.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	2146.92	2255.49	
5	2086.41	2191.99	
10	2040.26	2143.56	
15	2009.91	2111.71	
20	1996.25	2097.38	
25	1999.68	2100.97	
30	2020.09	2122.39	
35	2056.90	2161.02	
40	2108.99	2215.68	
45	2174.71	2284.65	
50	2251.78	2365.54	
55	2337.34	2455.33	
60	2427.93	2550.41	
65	2519.56	2646.58	
70	2607.85	2739.24	
75	2688.14	2823.52	
80	2755.76	2894.50	
85	2806.22	2947.46	
90	2835.46	2978.16	
95	2840.14	2983.08	
100	2817.83	2959.66	
105	2767.22	2906.53	
110	2688.20	2823.59	
115	2582.00	2712.12	
120	2451.06	2574.68	
125	2299.00	2415.09	
130	2130.43	2238.19	
135	1950.77	2049.66	
140	1766.01	1855.80	
145	1582.49	1663.27	
150	1406.70	1478.90	
155	1245.05	1309.41	
160	1103.49	1161.05	
165	986.96	1038.96	
170	898.43	946.27	
175	837.93	882.95	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	802.03	845.40	
185	784.67	827.24	
190	778.84	821.15	
195	778.38	820.66	
200	779.01	821.33	
205	778.80	821.11	
210	778.24	820.52	
215	780.22	822.59	
220	789.84	832.65	
225	813.78	857.69	
230	858.91	904.91	
235	930.41	979.75	
240	1030.33	1084.39	
245	1157.36	1217.49	
250	1307.62	1375.01	
255	1475.67	1551.24	
260	1655.33	1739.69	
265	1840.13	1933.56	
270	2023.60	2126.08	
275	2199.51	2310.68	
280	2362.09	2481.30	
285	2506.20	2632.56	
290	2627.62	2760.00	
295	2723.17	2860.29	
300	2790.89	2931.38	
305	2830.11	2972.54	
310	2841.40	2984.39	
315	2826.54	2968.80	
320	2788.37	2928.73	
325	2730.53	2868.02	
330	2657.28	2791.13	
335	2573.23	2702.91	
340	2483.06	2608.27	
345	2391.34	2512.00	
350	2302.31	2418.56	
355	2219.76	2331.93	

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.

26 Jun 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission