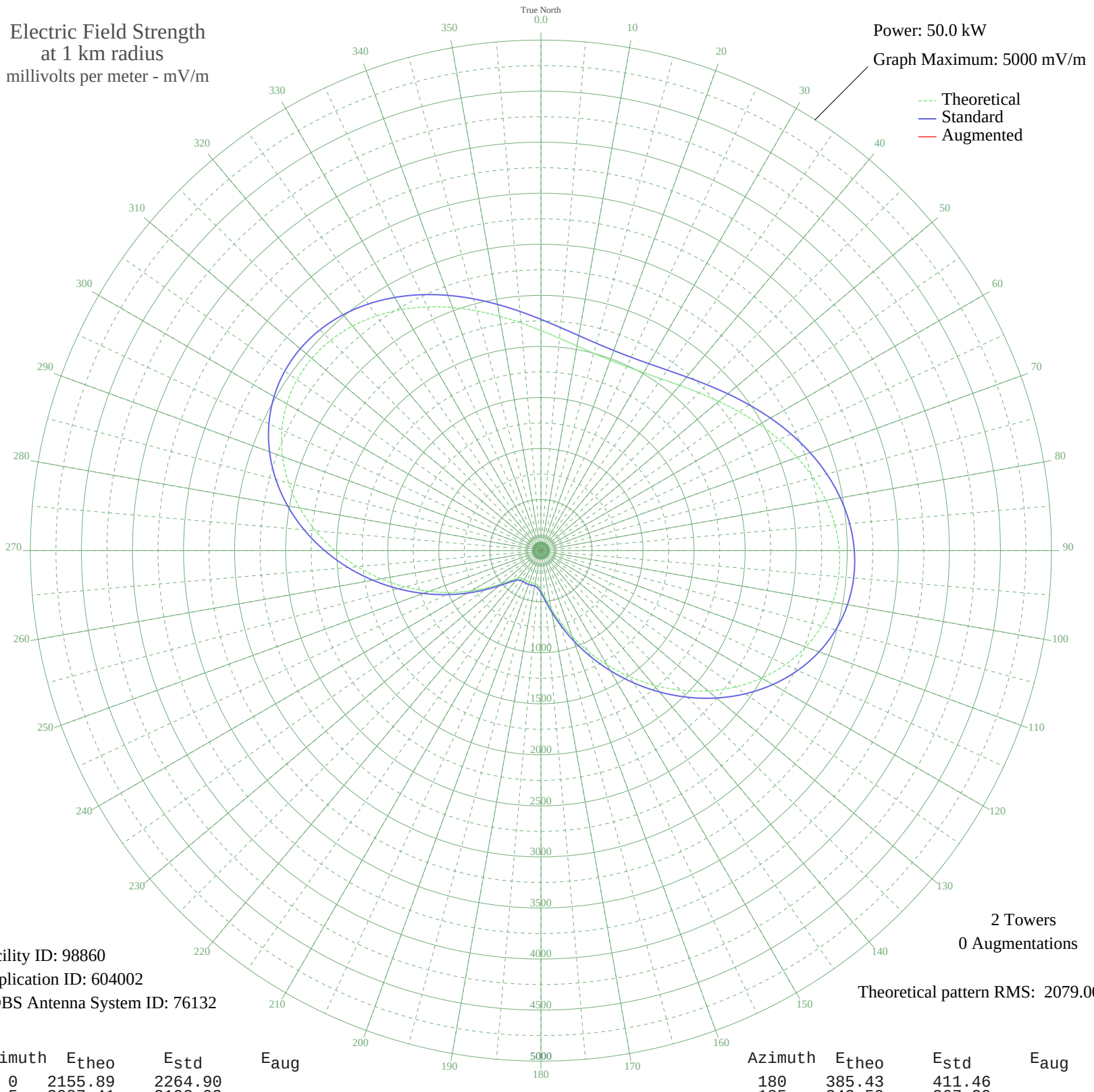
CIGM SUDBURY, ON Canada -- 790 kHz

Daytime

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



Power: 50.0 kW

Graph Maximum: 5000 mV/m

Theoretical
Standard
Augmented

2 Towers
0 Augmentations

Facility ID: 98860
Application ID: 604002
CDBS Antenna System ID: 76132

Theoretical pattern RMS: 2079.00

Azimuth	E_{theo}	E_{std}	E_{aug}
0	2155.89	2264.90	
5	2087.41	2193.03	
10	2035.00	2138.04	
15	2000.44	2101.77	
20	1984.86	2085.43	
25	1988.77	2089.53	
30	2012.03	2113.94	
35	2053.90	2157.88	
40	2112.99	2219.88	
45	2187.26	2297.82	
50	2274.01	2388.87	
55	2369.93	2489.54	
60	2471.09	2595.71	
65	2573.06	2702.73	
70	2670.98	2805.51	
75	2759.81	2898.75	
80	2834.46	2977.11	
85	2890.08	3035.49	
90	2922.28	3069.30	
95	2927.44	3074.70	
100	2902.87	3048.92	
105	2847.10	2990.37	
110	2759.88	2898.83	
115	2642.34	2775.45	
120	2496.86	2622.76	
125	2327.00	2444.47	
130	2137.26	2245.35	
135	1932.88	2030.89	
140	1719.58	1807.09	
145	1503.27	1580.17	
150	1289.84	1356.37	
155	1085.08	1141.75	
160	894.56	942.22	
165	723.80	763.60	
170	578.39	611.83	
175	464.05	492.88	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	385.43	411.46	
185	342.50	367.20	
190	327.06	351.34	
195	325.80	350.06	
200	327.52	351.82	
205	326.96	351.24	
210	325.44	349.68	
215	330.76	355.14	
220	355.73	380.82	
225	412.43	439.38	
230	505.71	536.16	
235	633.14	668.93	
240	789.38	832.17	
245	968.71	1019.85	
250	1165.59	1226.12	
255	1374.49	1445.13	
260	1589.78	1670.92	
265	1805.60	1897.33	
270	2016.03	2118.14	
275	2215.22	2327.16	
280	2397.60	2518.58	
285	2558.21	2687.14	
290	2692.88	2828.49	
295	2798.50	2939.36	
300	2873.20	3017.77	
305	2916.39	3063.11	
310	2928.82	3076.15	
315	2912.46	3058.99	
320	2870.41	3014.85	
325	2806.62	2947.89	
330	2725.70	2862.95	
335	2632.62	2765.24	
340	2532.48	2660.14	
345	2430.27	2552.87	
350	2330.70	2448.37	
355	2238.01	2351.08	

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