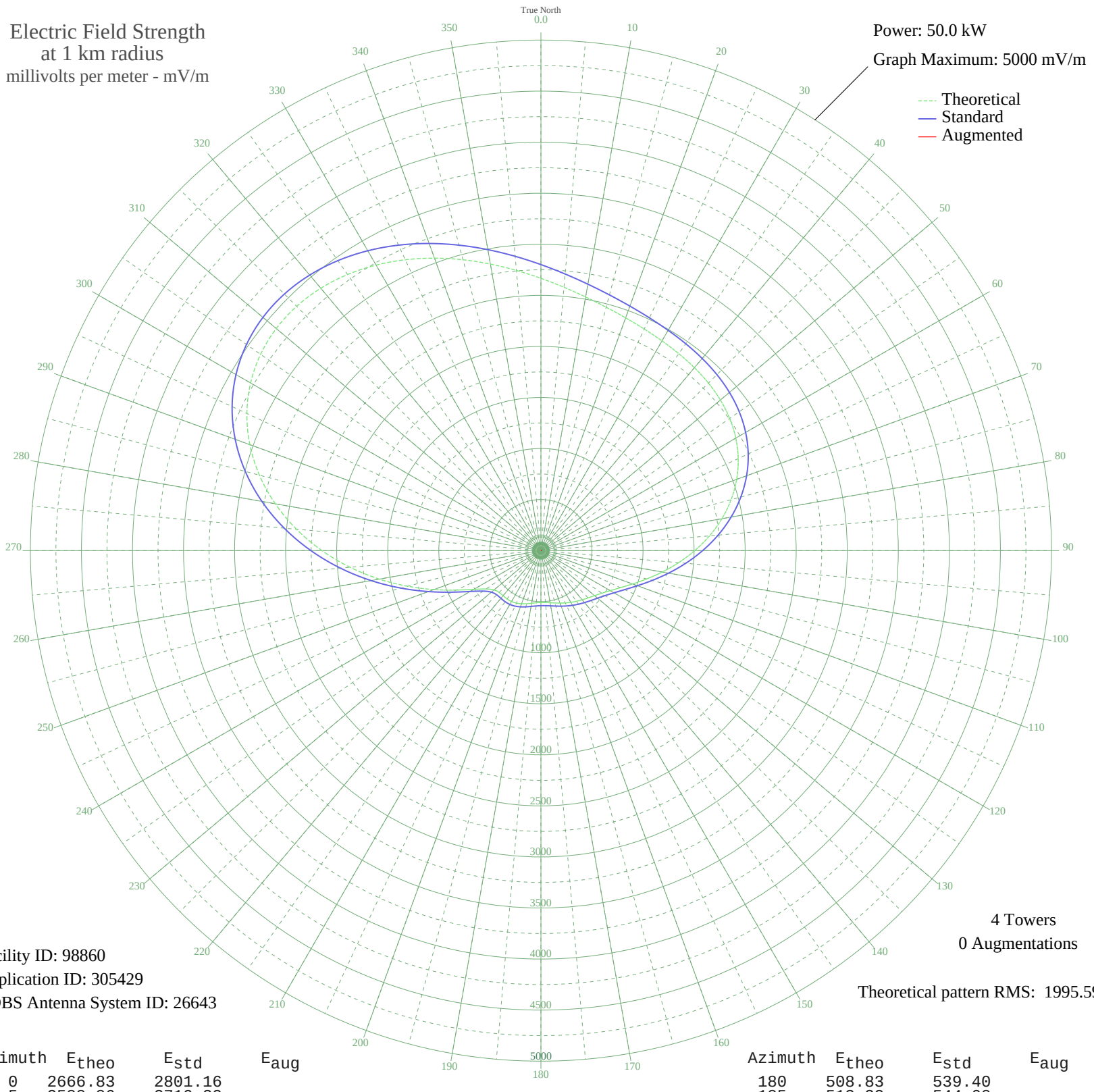
CIGM SUDBURY, ON Canada -- 790 kHz

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

4 Towers
0 Augmentations

Facility ID: 98860
Application ID: 305429
CDBS Antenna System ID: 26643

Theoretical pattern RMS: 1995.59

Azimuth	E_{theo}	E_{std}	E_{aug}
0	2666.83	2801.16	
5	2588.86	2719.32	
10	2522.35	2649.50	
15	2468.06	2592.53	
20	2425.81	2548.18	
25	2394.40	2515.21	
30	2371.62	2491.31	
35	2354.36	2473.19	
40	2338.74	2456.80	
45	2320.36	2437.51	
50	2294.60	2410.48	
55	2257.03	2371.04	
60	2203.77	2315.15	
65	2132.02	2239.85	
70	2040.33	2143.63	
75	1928.98	2026.79	
80	1800.06	1891.52	
85	1657.45	1741.90	
90	1506.60	1583.67	
95	1354.09	1423.74	
100	1207.00	1269.52	
105	1072.09	1128.14	
110	954.88	1005.37	
115	858.67	904.66	
120	783.82	826.36	
125	727.87	767.86	
130	686.44	724.57	
135	654.75	691.49	
140	628.83	664.43	
145	605.99	640.61	
150	584.88	618.60	
155	565.08	597.96	
160	546.86	578.98	
165	530.97	562.44	
170	518.50	549.46	
175	510.73	541.38	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	508.83	539.40	
185	513.32	544.08	
190	523.68	554.85	
195	538.06	569.82	
200	553.59	585.99	
205	566.94	599.90	
210	575.31	608.63	
215	577.66	611.07	
220	576.27	609.62	
225	578.75	612.21	
230	599.05	633.37	
235	654.72	691.45	
240	759.01	800.41	
245	914.59	963.18	
250	1115.03	1173.14	
255	1349.78	1419.21	
260	1607.20	1689.19	
265	1875.73	1970.91	
270	2144.28	2252.72	
275	2402.61	2523.83	
280	2641.64	2774.72	
285	2853.90	2997.51	
290	3033.71	3186.26	
295	3177.39	3337.08	
300	3283.25	3448.21	
305	3351.47	3519.82	
310	3383.82	3553.79	
315	3383.39	3553.34	
320	3354.24	3522.73	
325	3301.04	3466.89	
330	3228.83	3391.08	
335	3142.71	3300.68	
340	3047.70	3200.94	
345	2948.52	3096.84	
350	2849.53	2992.92	
355	2754.56	2893.24	

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