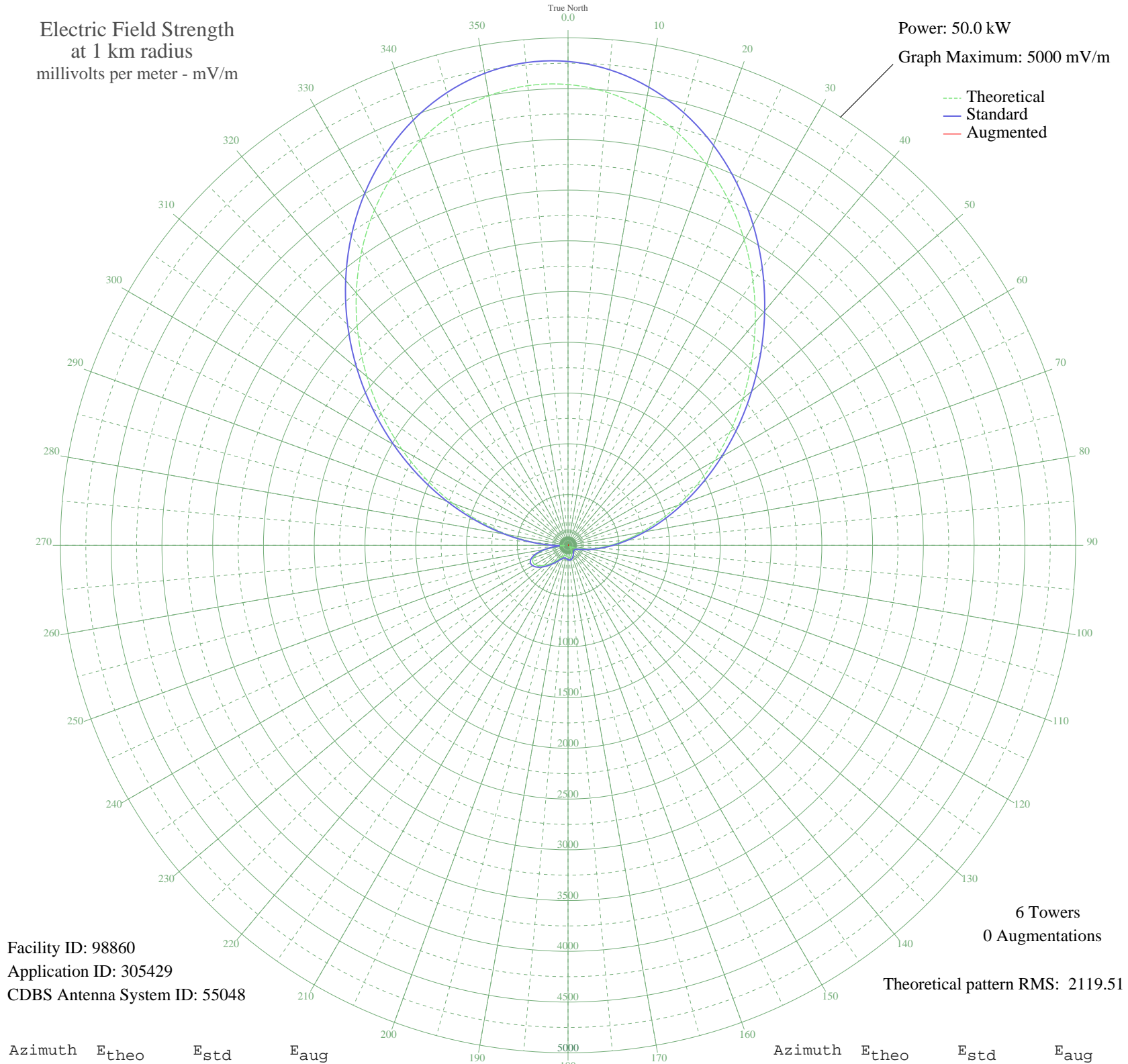


# CIGM SUDBURY, ON Canada -- 790 kHz

Nighttime

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: 305429  
CDBS Antenna System ID: 55048

6 Towers  
0 Augmentations

Theoretical pattern RMS: 2119.51

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	4539.64	4767.20	
5	4478.66	4703.18	
10	4364.42	4583.25	
15	4200.52	4411.18	
20	3992.38	4192.66	
25	3746.94	3934.99	
30	3472.20	3646.56	
35	3176.69	3336.35	
40	2868.96	3013.33	
45	2557.06	2685.94	
50	2248.18	2361.76	
55	1948.50	2047.27	
60	1663.07	1747.80	
65	1395.90	1467.58	
70	1150.09	1209.88	
75	927.95	977.17	
80	731.09	771.23	
85	560.50	593.18	
90	416.46	443.54	
95	298.54	322.14	
100	205.53	228.22	
105	135.39	160.38	
110	85.35	116.38	
115	52.00	92.16	
120	31.48	81.27	
125	20.44	77.29	
130	18.08	76.64	
135	24.44	78.56	
140	36.52	83.56	
145	51.92	92.11	
150	69.03	103.76	
155	86.16	117.04	
160	101.44	129.83	
165	113.00	139.97	
170	119.45	145.75	
175	120.22	146.45	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	115.97	142.62	
185	108.82	136.26	
190	102.23	130.52	
195	100.28	128.84	
200	106.04	133.83	
205	120.59	146.79	
210	143.91	168.36	
215	175.89	199.05	
220	215.82	238.46	
225	261.29	284.22	
230	307.72	331.53	
235	348.66	373.55	
240	376.46	402.19	
245	383.11	409.06	
250	361.10	386.36	
255	304.16	327.88	
260	208.05	230.72	
265	74.47	107.83	
270	121.38	147.50	
275	340.70	365.36	
280	599.56	633.91	
285	890.59	938.06	
290	1207.14	1269.67	
295	1542.17	1620.98	
300	1888.41	1984.22	
305	2238.65	2351.76	
310	2585.86	2716.17	
315	2923.30	3070.36	
320	3244.49	3407.53	
325	3543.19	3721.09	
330	3813.35	4004.71	
335	4049.13	4252.23	
340	4244.95	4457.82	
345	4395.73	4616.12	
350	4497.09	4722.53	
355	4545.70	4773.57	

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.

15 Feb 2012

Prepared by Audio Division, Media Bureau  
Federal Communications Commission