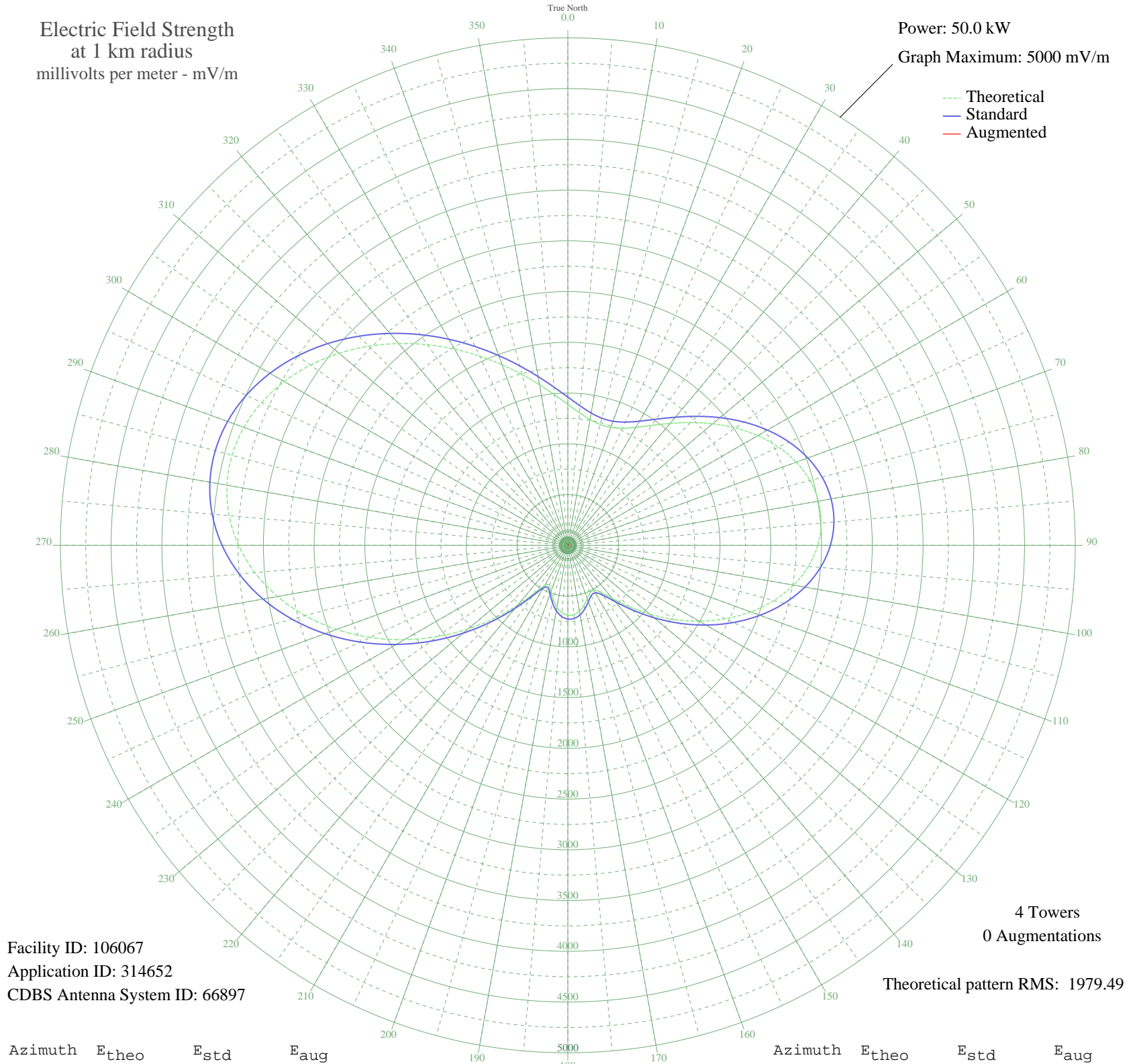


# CHNO SUDBURY, ON Canada -- 550 kHz

Daytime

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

Power: 50.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 106067  
Application ID: 314652  
CDBS Antenna System ID: 66897

4 Towers  
0 Augmentations

Theoretical pattern RMS: 1979.49

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1389.29	1460.64	
5	1311.96	1379.56	
10	1258.66	1323.67	
15	1232.55	1296.31	
20	1236.83	1300.79	
25	1273.68	1339.42	
30	1343.18	1412.30	
35	1442.77	1516.73	
40	1567.34	1647.38	
45	1709.88	1796.91	
50	1862.23	1956.75	
55	2015.62	2117.70	
60	2161.19	2270.46	
65	2290.39	2406.05	
70	2395.40	2516.26	
75	2469.51	2594.04	
80	2507.46	2633.88	
85	2505.77	2632.11	
90	2462.91	2587.12	
95	2379.35	2499.42	
100	2257.57	2371.61	
105	2101.81	2208.15	
110	1917.87	2015.13	
115	1712.81	1799.98	
120	1494.61	1571.10	
125	1272.14	1337.81	
130	1055.17	1110.41	
135	855.08	900.90	
140	686.05	724.17	
145	565.76	598.67	
150	509.75	540.36	
155	515.61	546.45	
160	559.04	591.67	
165	612.70	647.60	
170	658.19	695.08	
175	685.27	723.36	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	688.69	726.93	
185	666.46	703.71	
190	619.55	654.75	
195	553.22	585.61	
200	481.18	510.66	
205	433.81	461.51	
210	457.77	486.36	
215	576.36	609.71	
220	769.49	811.37	
225	1010.20	1063.31	
230	1280.16	1346.21	
235	1566.56	1646.56	
240	1858.89	1953.25	
245	2147.56	2256.16	
250	2423.48	2545.74	
255	2678.16	2813.05	
260	2903.92	3050.02	
265	3094.21	3249.76	
270	3243.94	3406.94	
275	3349.71	3517.98	
280	3409.97	3581.24	
285	3425.02	3597.04	
290	3396.94	3567.56	
295	3329.36	3496.61	
300	3227.18	3389.35	
305	3096.21	3251.87	
310	2942.79	3090.83	
315	2773.46	2913.08	
320	2594.56	2725.30	
325	2412.07	2533.76	
330	2231.32	2344.07	
335	2056.92	2161.04	
340	1892.66	1988.68	
345	1741.58	1830.17	
350	1606.05	1687.99	
355	1488.02	1564.18	

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