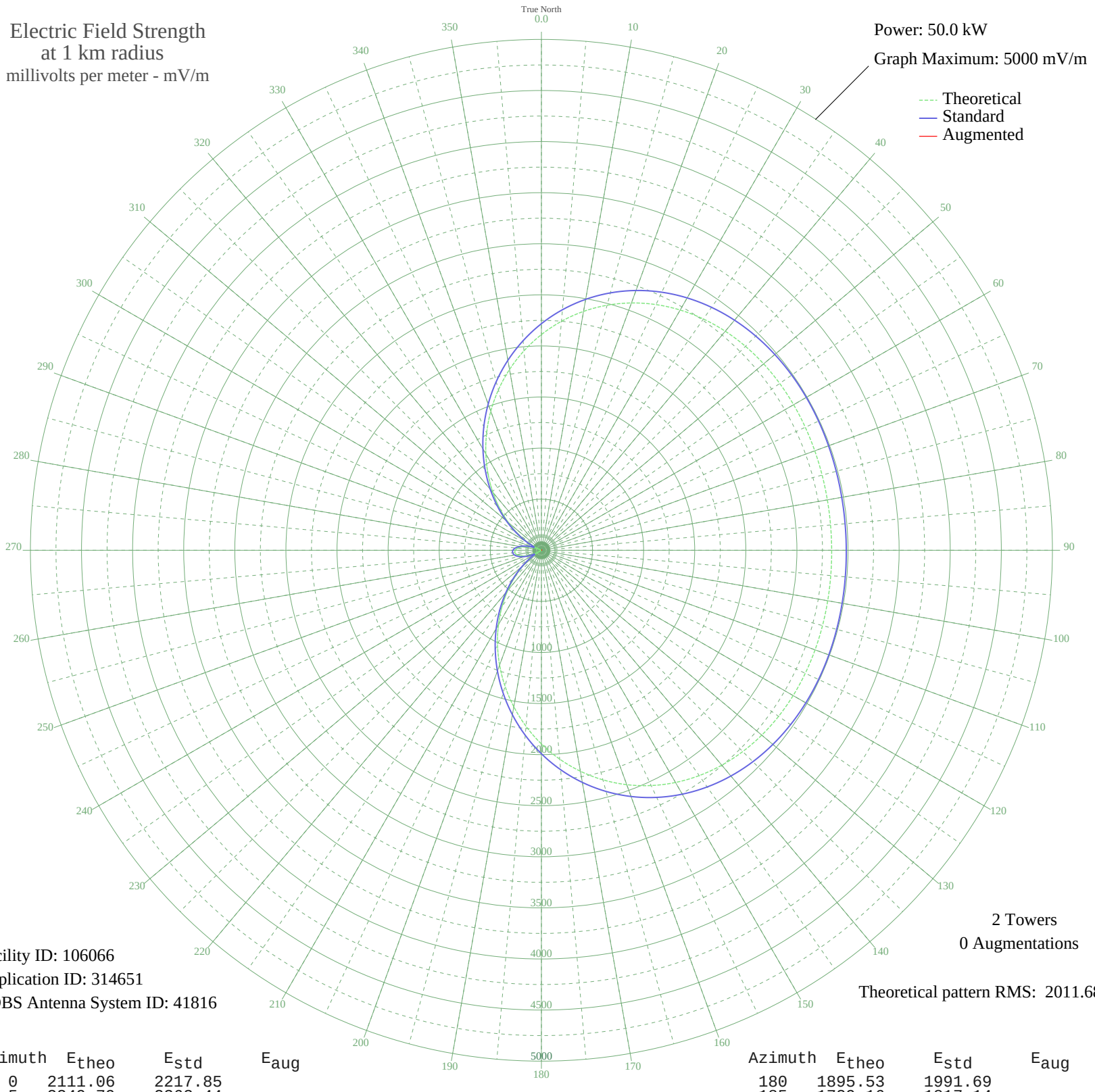
CFNB FREDERICTON, NB Canada -- 550 kHz

Nighttime

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: 106066
Application ID: 314651
CDBS Antenna System ID: 41816

Theoretical pattern RMS: 2011.68

Azimuth	E_{theo}	E_{std}	E_{aug}
0	2111.06	2217.85	
5	2249.79	2363.44	
10	2374.08	2493.89	
15	2482.96	2608.16	
20	2575.98	2705.80	
25	2653.25	2786.91	
30	2715.38	2852.12	
35	2763.42	2902.55	
40	2798.80	2939.67	
45	2823.19	2965.28	
50	2838.48	2981.33	
55	2846.60	2989.85	
60	2849.46	2992.85	
65	2848.87	2992.23	
70	2846.43	2989.67	
75	2843.48	2986.58	
80	2841.06	2984.04	
85	2839.85	2982.77	
90	2840.16	2983.10	
95	2841.91	2984.93	
100	2844.65	2987.80	
105	2847.53	2990.83	
110	2849.41	2992.80	
115	2848.83	2992.19	
120	2844.09	2987.21	
125	2833.33	2975.93	
130	2814.63	2956.30	
135	2786.06	2926.31	
140	2745.82	2884.06	
145	2692.29	2827.88	
150	2624.21	2756.42	
155	2540.68	2668.75	
160	2441.30	2564.44	
165	2326.17	2443.61	
170	2195.95	2306.95	
175	2051.84	2155.71	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	1895.53	1991.69	
185	1729.16	1817.14	
190	1555.23	1634.68	
195	1376.48	1447.21	
200	1195.82	1257.81	
205	1016.18	1069.57	
210	840.41	885.55	
215	671.23	708.69	
220	511.09	541.75	
225	362.19	387.48	
230	226.41	249.05	
235	105.31	133.19	
240	0.16	74.25	
245	88.06	118.58	
250	158.62	182.35	
255	210.99	233.65	
260	244.82	267.57	
265	259.89	282.81	
270	256.12	278.99	
275	233.53	256.20	
280	192.25	215.08	
285	132.55	157.75	
290	54.85	93.97	
295	40.24	85.43	
300	151.90	175.93	
305	279.04	302.25	
310	420.27	447.49	
315	573.91	607.17	
320	737.95	778.40	
325	910.08	958.46	
330	1087.73	1144.53	
335	1268.13	1333.61	
340	1448.38	1522.61	
345	1625.54	1708.43	
350	1796.77	1888.06	
355	1959.39	2058.70	

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.

06 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission