

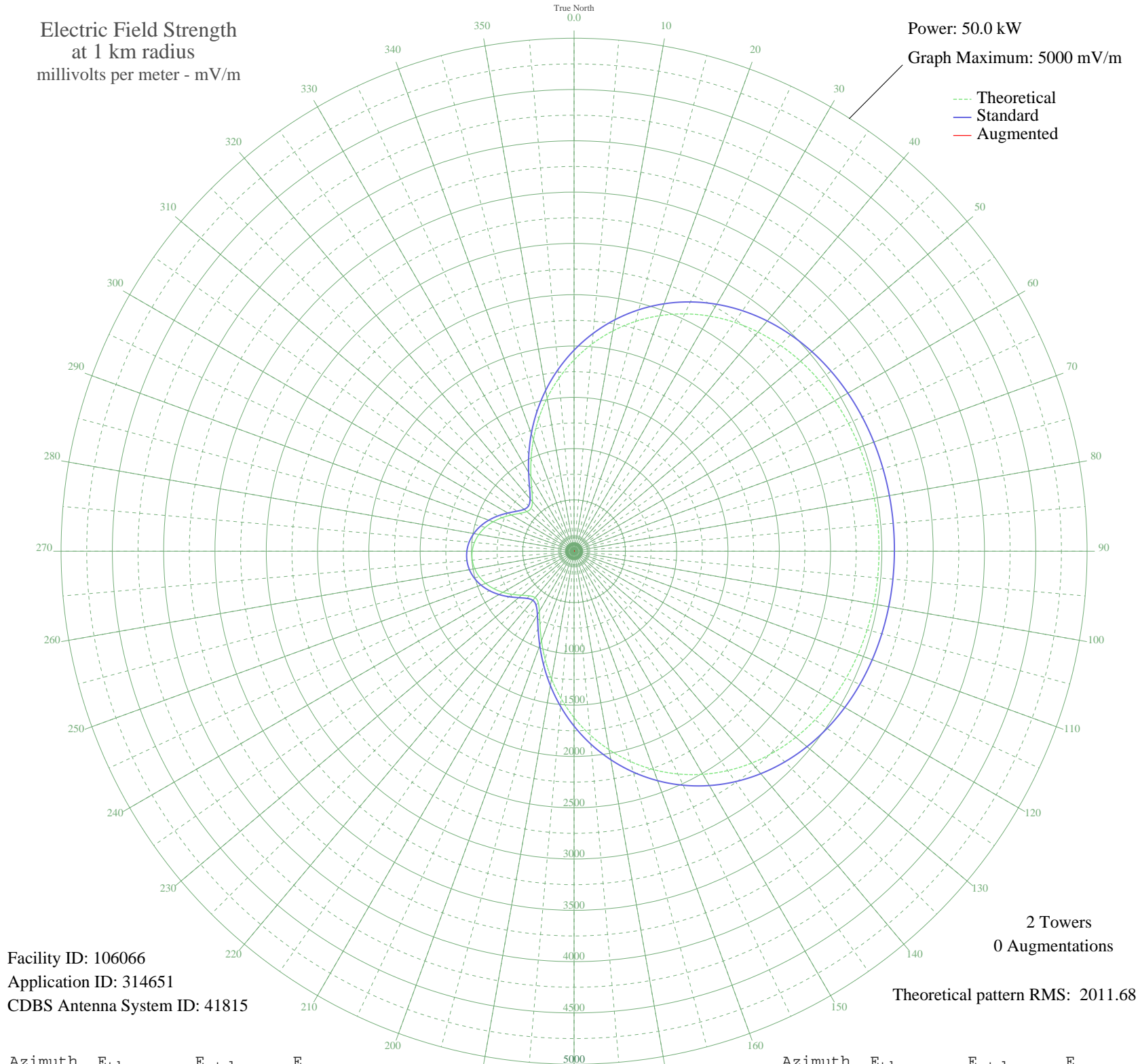
# CFNB FREDERICTON, NB Canada -- 550 kHz

Daytime

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

Power: 50.0 kW  
Graph Maximum: 5000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 106066  
Application ID: 314651  
CDBS Antenna System ID: 41815

2 Towers  
0 Augmentations

Theoretical pattern RMS: 2011.68

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1865.08	1959.74	
5	2028.52	2131.24	
10	2180.55	2290.79	
15	2319.28	2436.38	
20	2443.43	2566.67	
25	2552.32	2680.96	
30	2645.87	2779.15	
35	2724.49	2861.68	
40	2789.06	2929.45	
45	2840.78	2983.74	
50	2881.10	3026.07	
55	2911.64	3058.13	
60	2934.04	3081.64	
65	2949.88	3098.26	
70	2960.60	3109.51	
75	2967.44	3116.69	
80	2971.34	3120.79	
85	2972.96	3122.49	
90	2972.56	3122.07	
95	2970.08	3119.47	
100	2965.10	3114.24	
105	2956.84	3105.57	
110	2944.23	3092.33	
115	2925.95	3073.15	
120	2900.50	3046.43	
125	2866.24	3010.47	
130	2821.54	2963.55	
135	2764.85	2904.04	
140	2694.79	2830.50	
145	2610.27	2741.79	
150	2510.61	2637.19	
155	2395.58	2516.45	
160	2265.49	2379.92	
165	2121.24	2228.54	
170	1964.38	2063.93	
175	1797.06	1888.37	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1622.10	1704.82	
185	1442.99	1516.96	
190	1264.00	1329.27	
195	1090.36	1147.28	
200	928.65	977.90	
205	787.38	830.08	
210	677.31	715.04	
215	609.74	644.52	
220	590.72	624.68	
225	614.77	649.77	
230	667.35	704.64	
235	733.18	773.42	
240	800.99	844.31	
245	863.52	909.74	
250	916.39	965.07	
255	956.95	1007.54	
260	983.66	1035.50	
265	995.67	1048.09	
270	992.66	1044.93	
275	974.70	1026.13	
280	942.32	992.22	
285	896.60	944.36	
290	839.47	884.57	
295	774.17	816.26	
300	706.08	745.10	
305	643.94	680.20	
310	600.81	635.20	
315	592.57	626.61	
320	631.07	666.77	
325	716.84	756.34	
330	840.80	885.95	
335	991.41	1043.62	
340	1158.79	1218.99	
345	1335.27	1404.00	
350	1514.88	1592.35	
355	1692.79	1778.98	

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