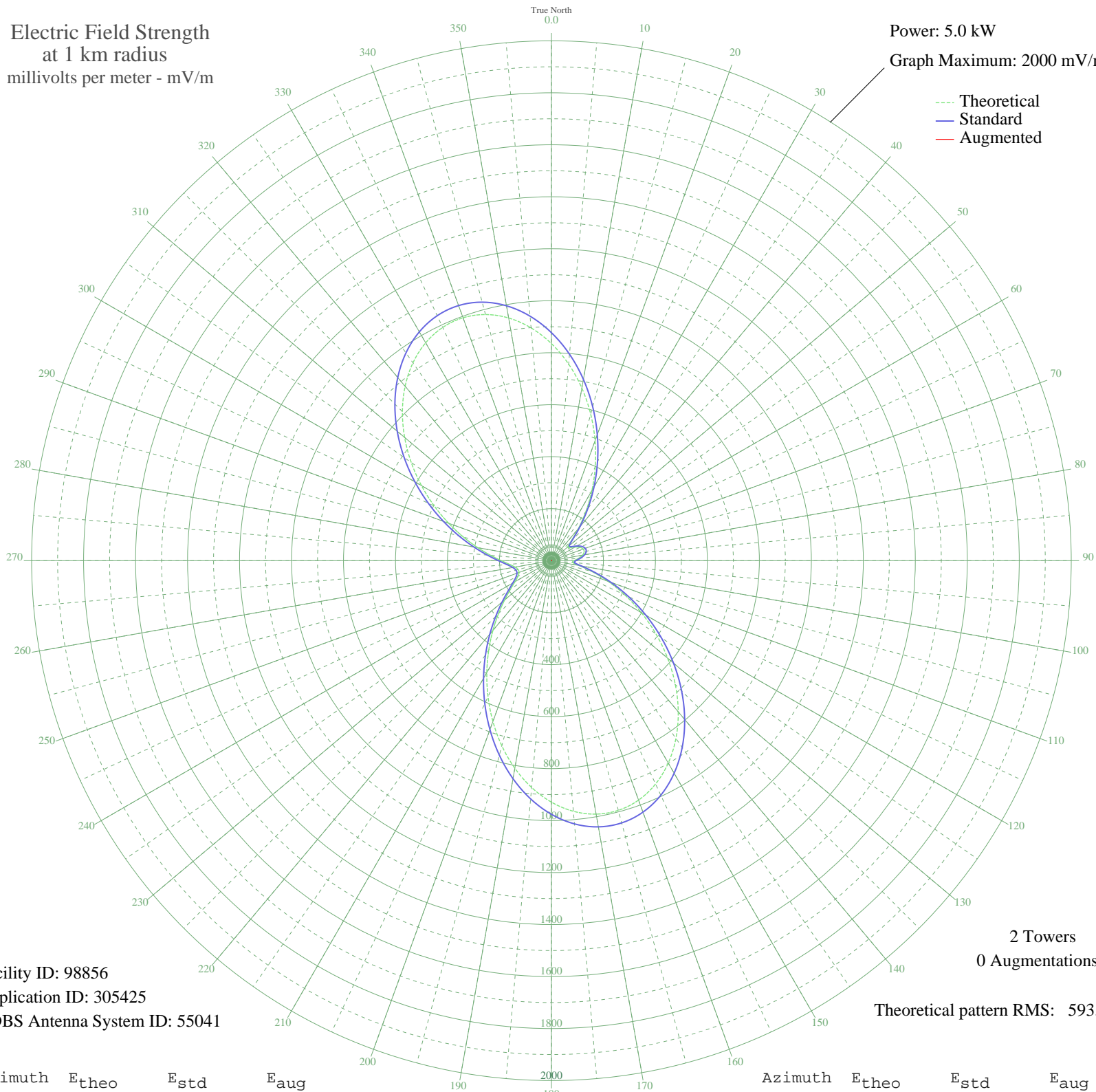


# CFAN NEWCASTLE, NB Canada -- 790 kHz

Daytime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 98856  
Application ID: 305425  
CDBS Antenna System ID: 55041

2 Towers  
0 Augmentations  
Theoretical pattern RMS: 593.28

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	835.11	877.18	
5	759.13	797.43	
10	674.17	708.27	
15	583.56	613.19	
20	490.71	515.78	
25	398.91	419.51	
30	311.27	327.68	
35	230.88	243.56	
40	161.29	170.97	
45	108.21	116.02	
50	82.02	89.26	
55	86.71	94.02	
60	104.80	112.52	
65	121.17	129.38	
70	130.21	138.72	
75	130.21	138.72	
80	121.17	129.38	
85	104.80	112.52	
90	86.71	94.02	
95	82.02	89.26	
100	108.21	116.02	
105	161.29	170.97	
110	230.88	243.56	
115	311.27	327.68	
120	398.91	419.51	
125	490.71	515.78	
130	583.56	613.19	
135	674.17	708.27	
140	759.13	797.43	
145	835.11	877.18	
150	898.97	944.21	
155	948.05	995.72	
160	980.29	1029.57	
165	994.44	1044.42	
170	990.11	1039.88	
175	967.85	1016.52	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	929.05	975.78	
185	875.82	919.91	
190	810.89	851.76	
195	737.33	774.56	
200	658.40	691.72	
205	577.33	606.65	
210	497.16	522.55	
215	420.65	442.31	
220	350.18	368.44	
225	287.73	303.03	
230	234.88	247.74	
235	192.74	203.74	
240	161.86	171.57	
245	142.05	150.99	
250	132.53	141.13	
255	132.53	141.13	
260	142.05	150.99	
265	161.86	171.57	
270	192.74	203.74	
275	234.88	247.74	
280	287.73	303.03	
285	350.18	368.44	
290	420.65	442.31	
295	497.16	522.55	
300	577.33	606.65	
305	658.40	691.72	
310	737.33	774.56	
315	810.89	851.76	
320	875.82	919.91	
325	929.05	975.78	
330	967.85	1016.52	
335	990.11	1039.88	
340	994.43	1044.42	
345	980.29	1029.57	
350	948.05	995.72	
355	898.97	944.21	

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