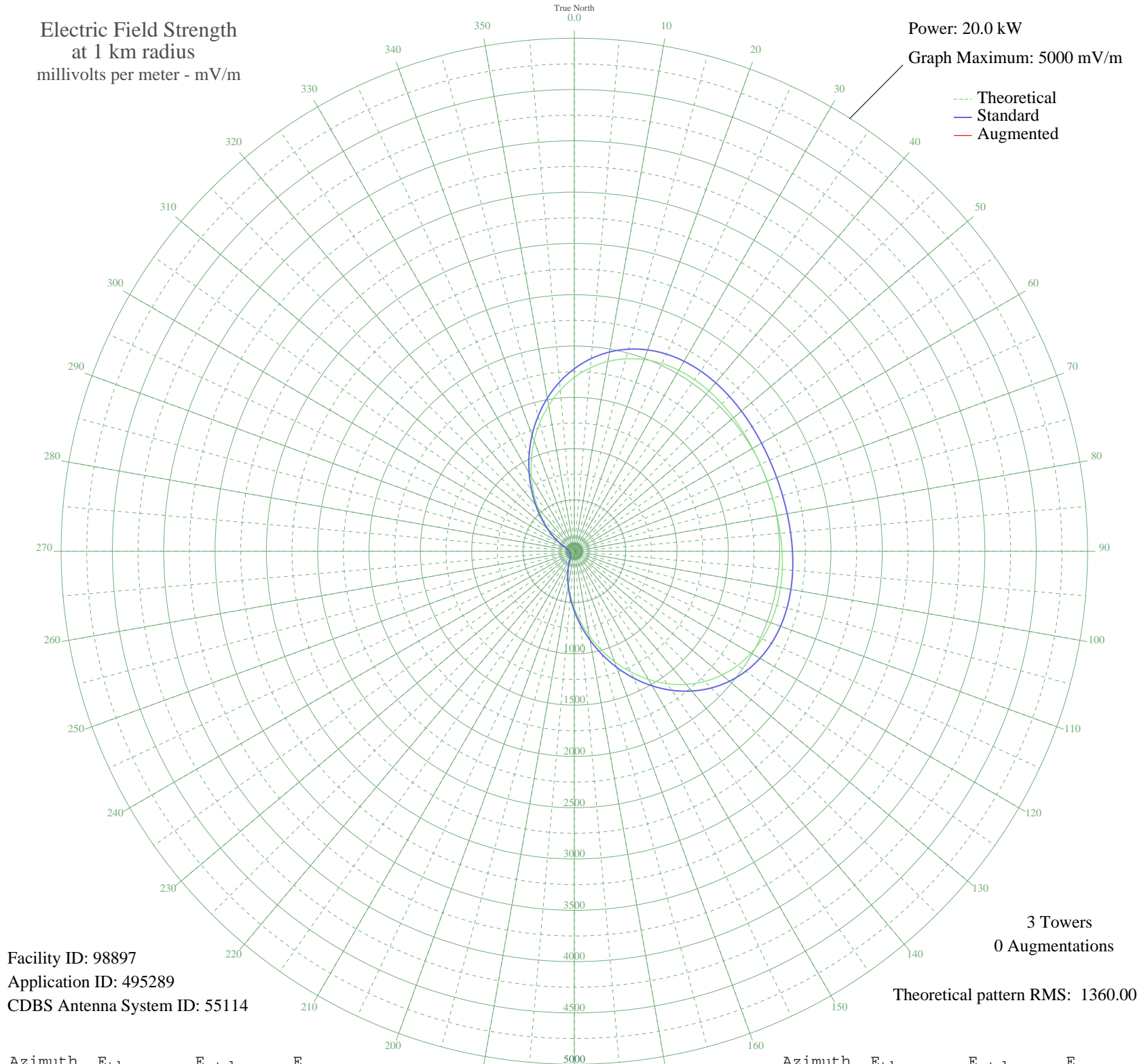


# CKCW MONCTON, NB Canada -- 840 kHz

Nighttime

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

Power: 20.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 98897  
Application ID: 495289  
CDBS Antenna System ID: 55114

3 Towers  
0 Augmentations  
Theoretical pattern RMS: 1360.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1693.50	1778.80	
5	1794.56	1884.87	
10	1877.23	1971.65	
15	1941.39	2039.00	
20	1987.93	2087.85	
25	2018.55	2120.00	
30	2035.59	2137.89	
35	2041.76	2144.36	
40	2039.93	2142.44	
45	2032.90	2135.06	
50	2023.29	2124.97	
55	2013.35	2114.54	
60	2004.90	2105.67	
65	1999.29	2099.78	
70	1997.33	2097.72	
75	1999.29	2099.78	
80	2004.90	2105.67	
85	2013.35	2114.54	
90	2023.29	2124.97	
95	2032.90	2135.06	
100	2039.93	2142.44	
105	2041.76	2144.36	
110	2035.59	2137.89	
115	2018.55	2120.00	
120	1987.93	2087.85	
125	1941.39	2039.00	
130	1877.23	1971.65	
135	1794.56	1884.88	
140	1693.50	1778.80	
145	1575.27	1654.70	
150	1442.17	1515.01	
155	1297.51	1363.20	
160	1145.40	1203.58	
165	990.41	1040.99	
170	837.28	880.40	
175	690.57	726.61	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	554.26	583.86	
185	431.55	455.55	
190	324.67	344.12	
195	234.78	250.95	
200	162.02	176.48	
205	105.60	120.41	
210	64.01	81.99	
215	35.18	59.75	
220	16.76	50.15	
225	6.30	47.42	
230	1.43	46.98	
235	0.03	46.96	
240	0.34	46.96	
245	1.07	46.97	
250	1.40	46.98	
255	1.07	46.97	
260	0.34	46.96	
265	0.03	46.96	
270	1.43	46.98	
275	6.30	47.42	
280	16.76	50.15	
285	35.18	59.75	
290	64.01	81.99	
295	105.60	120.41	
300	162.02	176.48	
305	234.78	250.95	
310	324.67	344.12	
315	431.55	455.56	
320	554.26	583.86	
325	690.57	726.61	
330	837.28	880.40	
335	990.41	1040.99	
340	1145.40	1203.58	
345	1297.52	1363.20	
350	1442.17	1515.01	
355	1575.27	1654.70	

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission