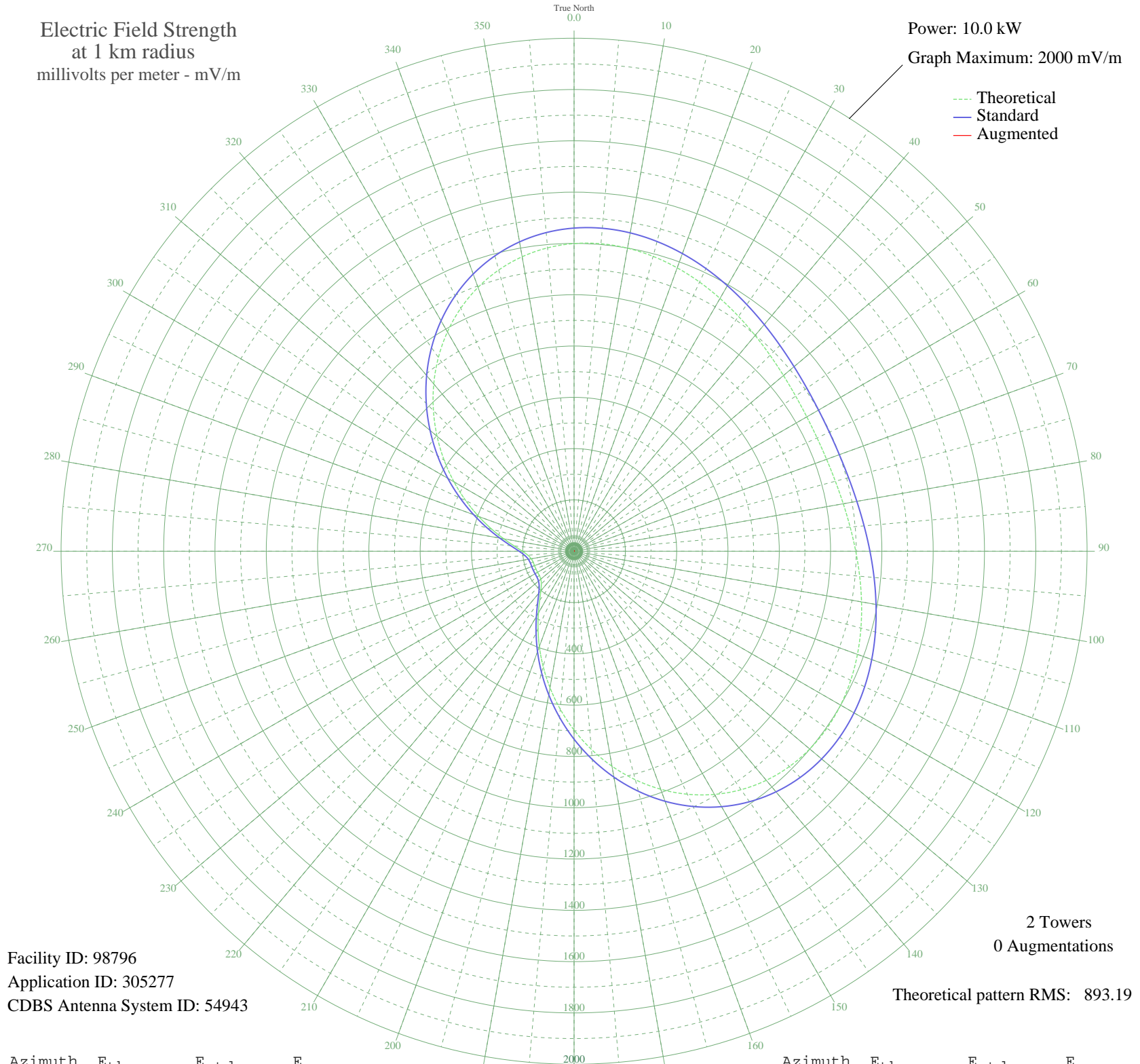


# CKXG GRAND FALLS, NF Canada -- 680 kHz

Nighttime

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

Power: 10.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 98796  
Application ID: 305277  
CDBS Antenna System ID: 54943

2 Towers  
0 Augmentations

Theoretical pattern RMS: 893.19

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1199.46	1259.87	
5	1203.33	1263.93	
10	1199.83	1260.26	
15	1190.15	1250.10	
20	1175.67	1234.90	
25	1157.81	1216.16	
30	1138.02	1195.38	
35	1117.70	1174.05	
40	1098.13	1153.52	
45	1080.47	1134.98	
50	1065.70	1119.47	
55	1054.58	1107.80	
60	1047.68	1100.56	
65	1045.34	1098.11	
70	1047.68	1100.56	
75	1054.58	1107.80	
80	1065.70	1119.47	
85	1080.47	1134.98	
90	1098.13	1153.52	
95	1117.70	1174.05	
100	1138.02	1195.38	
105	1157.81	1216.16	
110	1175.67	1234.90	
115	1190.15	1250.10	
120	1199.83	1260.26	
125	1203.33	1263.93	
130	1199.46	1259.87	
135	1187.21	1247.01	
140	1165.88	1224.62	
145	1135.07	1192.29	
150	1094.78	1149.99	
155	1045.34	1098.11	
160	987.49	1037.39	
165	922.28	968.97	
170	851.08	894.25	
175	775.48	814.93	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	697.24	732.85	
185	618.22	649.98	
190	540.33	568.32	
195	465.48	489.88	
200	395.57	416.67	
205	332.46	350.66	
210	278.01	293.79	
215	233.91	247.84	
220	201.40	214.06	
225	180.52	192.43	
230	169.51	181.06	
235	165.18	176.59	
240	164.16	175.54	
245	164.09	175.47	
250	164.16	175.54	
255	165.18	176.59	
260	169.51	181.06	
265	180.52	192.43	
270	201.40	214.06	
275	233.91	247.84	
280	278.01	293.79	
285	332.46	350.66	
290	395.57	416.67	
295	465.48	489.88	
300	540.33	568.32	
305	618.22	649.98	
310	697.24	732.86	
315	775.48	814.93	
320	851.08	894.25	
325	922.28	968.97	
330	987.49	1037.39	
335	1045.34	1098.11	
340	1094.78	1149.99	
345	1135.07	1192.29	
350	1165.88	1224.62	
355	1187.21	1247.01	

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