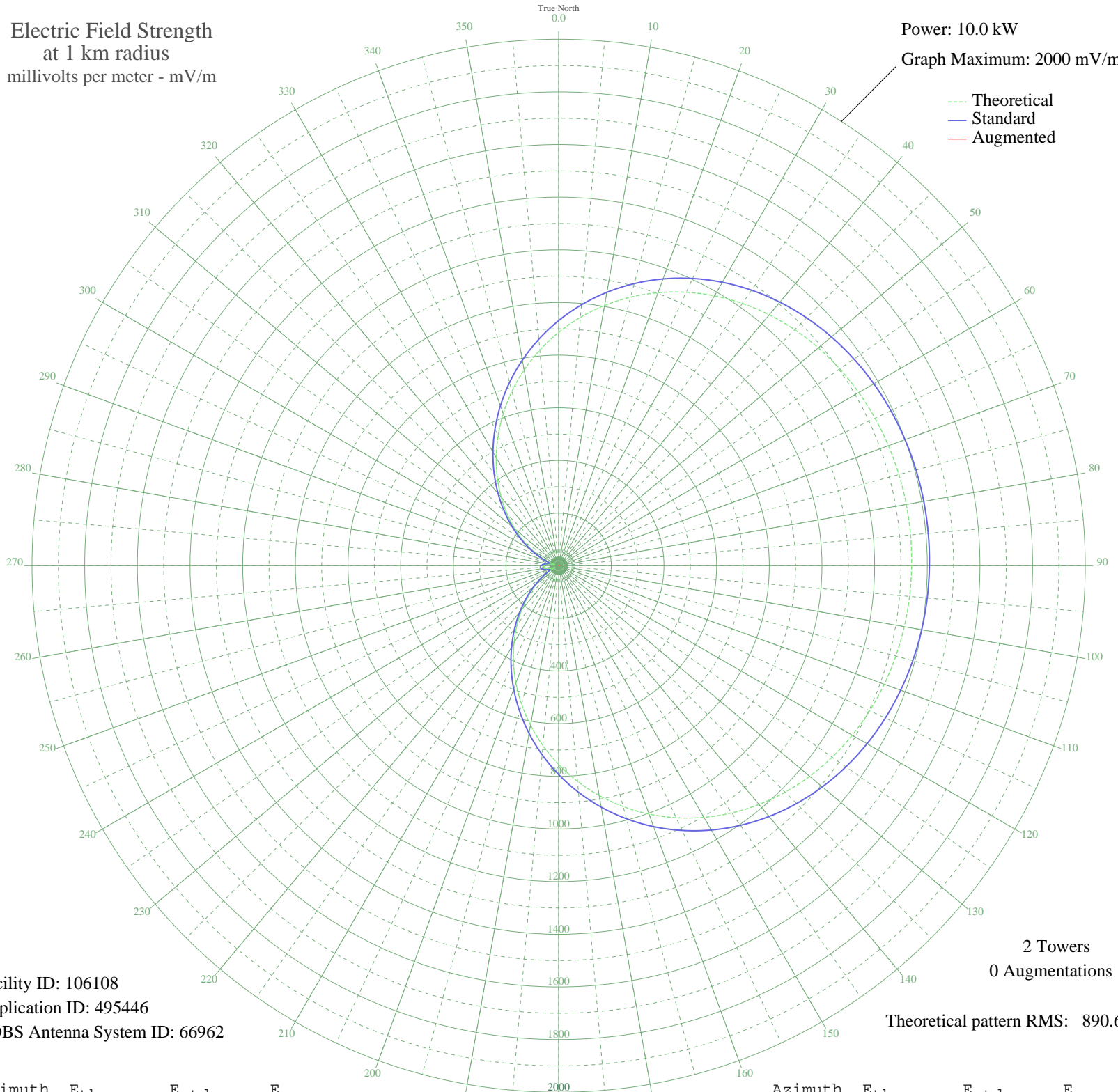


# CKXJ GRAND BANK, NF Canada -- 610 kHz

Nighttime

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

Power: 10.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 106108  
Application ID: 495446  
CDBS Antenna System ID: 66962

2 Towers  
0 Augmentations

Theoretical pattern RMS: 890.61

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	886.29	931.20	
5	947.13	995.05	
10	1003.91	1054.62	
15	1056.18	1109.48	
20	1103.65	1159.31	
25	1146.17	1203.94	
30	1183.72	1243.35	
35	1216.38	1277.64	
40	1244.37	1307.01	
45	1267.97	1331.78	
50	1287.52	1352.30	
55	1303.41	1368.98	
60	1316.03	1382.23	
65	1325.75	1392.43	
70	1332.92	1399.96	
75	1337.82	1405.10	
80	1340.67	1408.10	
85	1341.61	1409.08	
90	1340.67	1408.10	
95	1337.82	1405.10	
100	1332.92	1399.96	
105	1325.75	1392.43	
110	1316.03	1382.23	
115	1303.41	1368.98	
120	1287.52	1352.30	
125	1267.97	1331.78	
130	1244.37	1307.01	
135	1216.38	1277.64	
140	1183.72	1243.35	
145	1146.17	1203.94	
150	1103.65	1159.31	
155	1056.18	1109.48	
160	1003.91	1054.62	
165	947.13	995.05	
170	886.29	931.20	
175	821.94	863.68	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	754.77	793.20	
185	685.53	720.57	
190	615.08	646.69	
195	544.31	572.49	
200	474.12	498.94	
205	405.43	427.00	
210	339.11	357.61	
215	275.98	291.68	
220	216.81	230.06	
225	162.30	173.62	
230	113.08	123.29	
235	69.84	80.50	
240	33.78	48.58	
245	14.05	36.33	
250	28.76	44.88	
255	45.02	57.77	
260	55.24	66.84	
265	58.69	70.00	
270	55.24	66.84	
275	45.02	57.77	
280	28.76	44.88	
285	14.05	36.33	
290	33.78	48.58	
295	69.84	80.50	
300	113.08	123.29	
305	162.30	173.62	
310	216.81	230.06	
315	275.98	291.68	
320	339.11	357.61	
325	405.43	427.00	
330	474.12	498.94	
335	544.31	572.49	
340	615.08	646.69	
345	685.53	720.57	
350	754.77	793.20	
355	821.95	863.68	

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission