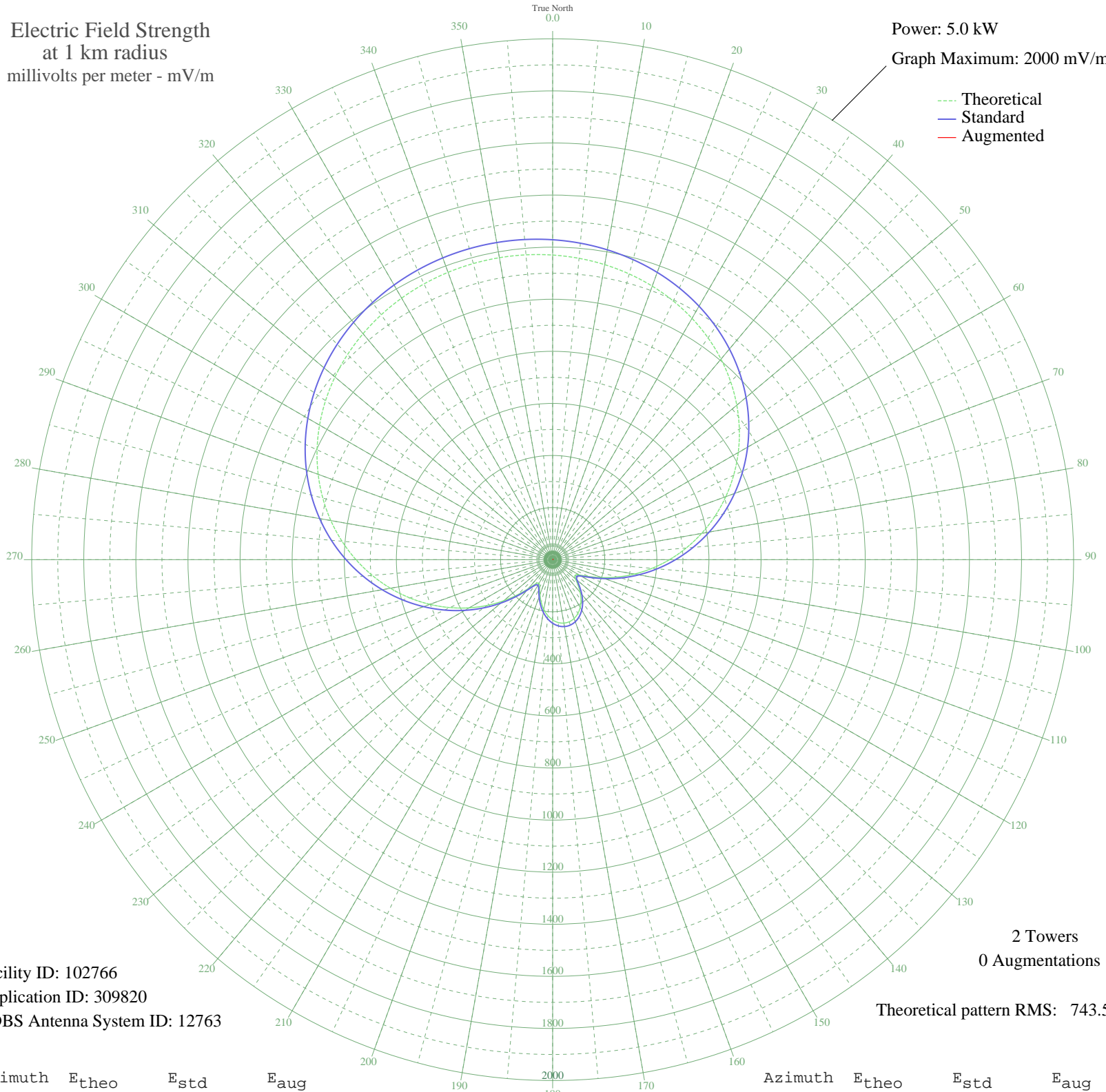


# CJOC LETHBRIDGE, AB Canada -- 1220 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 102766  
Application ID: 309820  
CDBS Antenna System ID: 12763

2 Towers  
0 Augmentations  
Theoretical pattern RMS: 743.52

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1169.71	1228.43	
5	1161.57	1219.88	
10	1150.34	1208.10	
15	1135.83	1192.86	
20	1117.77	1173.91	
25	1095.92	1150.97	
30	1070.04	1123.80	
35	1039.90	1092.17	
40	1005.36	1055.91	
45	966.32	1014.93	
50	922.78	969.22	
55	874.83	918.89	
60	822.70	864.17	
65	766.71	805.41	
70	707.32	743.08	
75	645.09	677.78	
80	580.71	610.23	
85	514.95	541.24	
90	448.68	471.74	
95	382.89	402.76	
100	318.70	335.50	
105	257.46	271.41	
110	201.07	212.50	
115	152.63	162.07	
120	117.77	126.00	
125	104.49	112.34	
130	114.28	122.40	
135	137.35	146.23	
140	164.09	173.98	
145	189.54	200.48	
150	211.42	223.31	
155	228.60	241.25	
160	240.50	253.68	
165	246.80	260.27	
170	247.38	260.87	
175	242.21	255.47	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	231.42	244.19	
185	215.26	227.31	
190	194.25	205.39	
195	169.38	179.49	
200	142.62	151.69	
205	118.21	126.45	
210	104.80	112.67	
215	113.16	121.25	
220	144.33	153.46	
225	190.61	201.60	
230	245.72	259.13	
235	306.16	322.38	
240	369.89	389.13	
245	435.45	457.87	
250	501.71	527.35	
255	567.64	596.52	
260	632.37	664.43	
265	695.08	730.24	
270	755.09	793.21	
275	811.80	852.73	
280	864.73	908.29	
285	913.53	959.52	
290	957.97	1006.16	
295	997.92	1048.09	
300	1033.35	1085.29	
305	1064.36	1117.84	
310	1091.07	1145.88	
315	1113.71	1169.65	
320	1132.51	1189.38	
325	1147.71	1205.34	
330	1159.58	1217.79	
335	1168.32	1226.97	
340	1174.13	1233.07	
345	1177.13	1236.23	
350	1177.41	1236.51	
355	1174.95	1233.94	

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