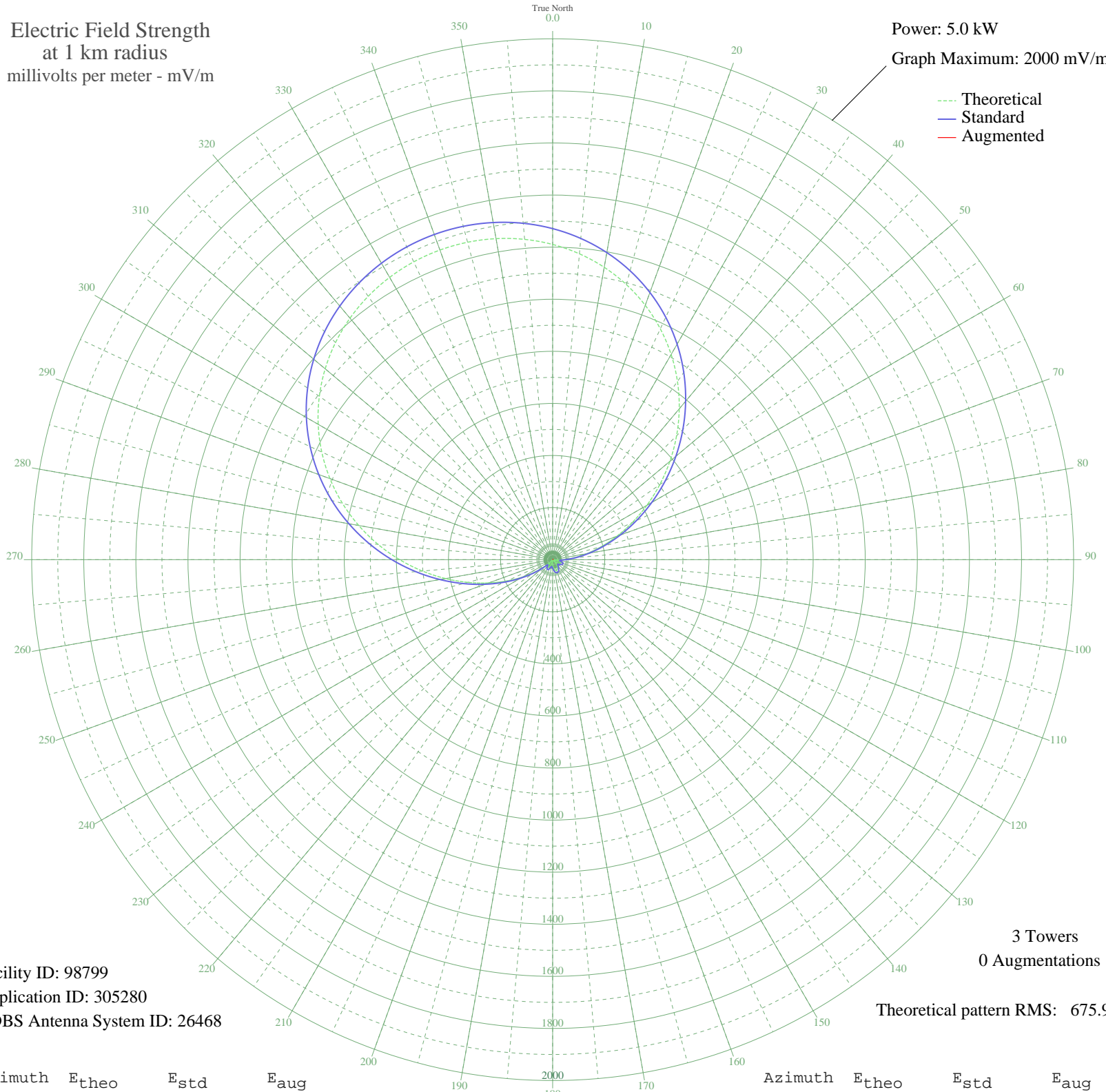


# CKRX LETHBRIDGE, AB Canada -- 1090 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 98799  
Application ID: 305280  
CDBS Antenna System ID: 26468

3 Towers  
0 Augmentations

Theoretical pattern RMS: 675.92

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1210.43	1271.21	
5	1178.97	1238.18	
10	1140.03	1197.31	
15	1093.50	1148.47	
20	1039.43	1091.71	
25	978.04	1027.26	
30	909.78	955.62	
35	835.42	877.58	
40	756.00	794.22	
45	672.83	706.95	
50	587.53	617.44	
55	501.86	527.58	
60	417.73	439.38	
65	337.06	354.86	
70	261.67	275.96	
75	193.17	204.46	
80	132.88	141.90	
85	81.77	89.65	
90	40.34	49.61	
95	8.70	27.39	
100	13.49	29.45	
105	26.92	38.29	
110	32.64	42.91	
115	31.89	42.28	
120	26.07	37.63	
125	16.66	31.19	
130	5.11	26.37	
135	7.22	26.91	
140	19.09	32.69	
145	29.45	40.29	
150	37.47	47.06	
155	42.53	51.58	
160	44.26	53.16	
165	42.53	51.58	
170	37.47	47.06	
175	29.45	40.29	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	19.09	32.69	
185	7.22	26.91	
190	5.11	26.37	
195	16.66	31.19	
200	26.07	37.63	
205	31.89	42.28	
210	32.64	42.91	
215	26.92	38.29	
220	13.49	29.45	
225	8.70	27.39	
230	40.34	49.61	
235	81.77	89.65	
240	132.88	141.90	
245	193.17	204.46	
250	261.67	275.96	
255	337.06	354.86	
260	417.73	439.38	
265	501.86	527.58	
270	587.53	617.44	
275	672.83	706.95	
280	756.00	794.21	
285	835.42	877.57	
290	909.78	955.62	
295	978.04	1027.26	
300	1039.43	1091.71	
305	1093.50	1148.47	
310	1140.03	1197.31	
315	1178.97	1238.18	
320	1210.43	1271.21	
325	1234.59	1296.58	
330	1251.66	1314.50	
335	1261.83	1325.17	
340	1265.20	1328.71	
345	1261.83	1325.17	
350	1251.66	1314.50	
355	1234.59	1296.58	

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.

15 Feb 2012

Prepared by Audio Division, Media Bureau  
Federal Communications Commission