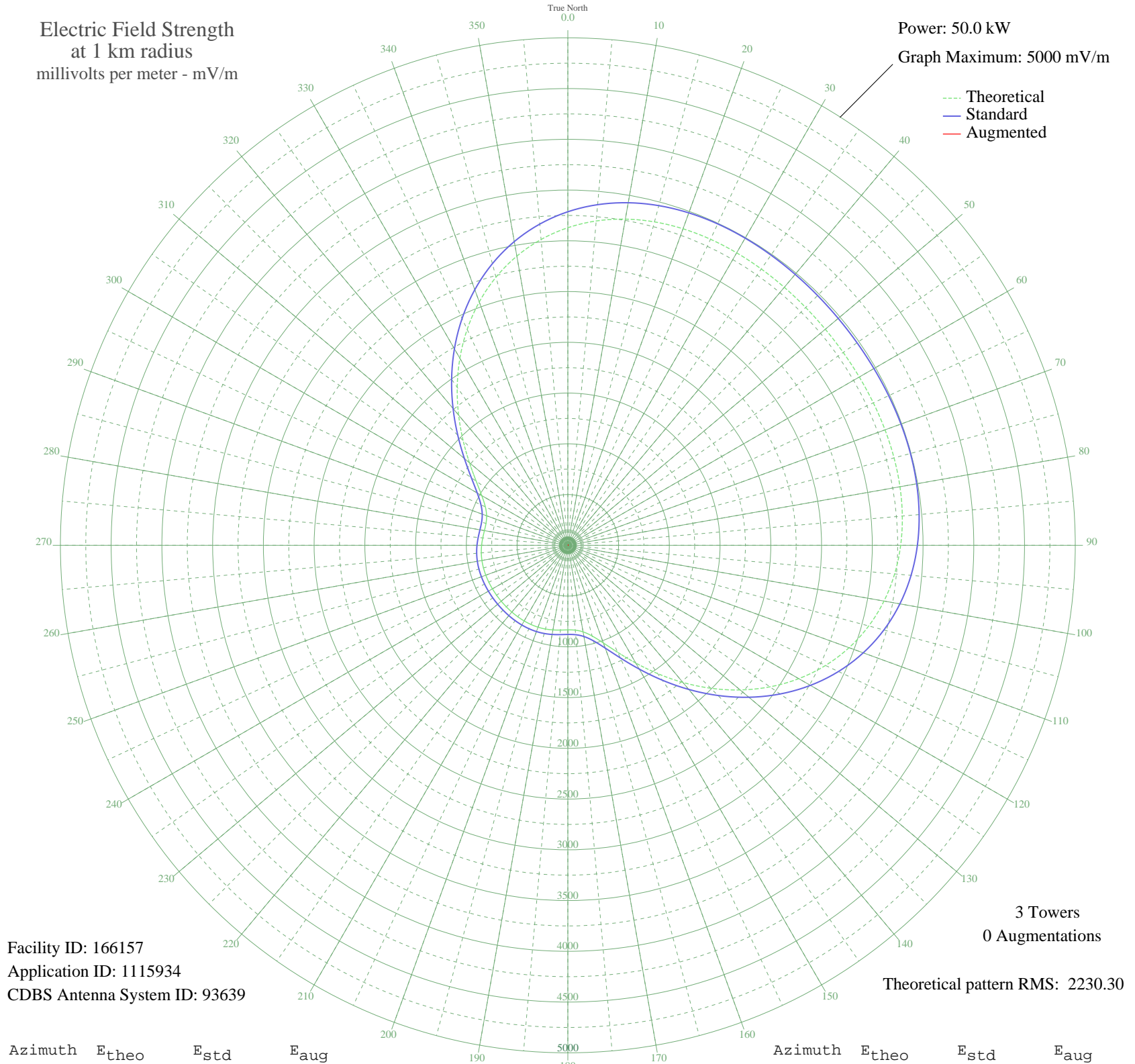


# BERNIE QUEBEC, QC Canada -- 980 kHz

Daytime

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

Power: 50.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 166157  
Application ID: 1115934  
CDBS Antenna System ID: 93639

3 Towers  
0 Augmentations

Theoretical pattern RMS: 2230.30

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	3129.06	3286.35	
5	3207.70	3368.90	
10	3263.16	3427.12	
15	3298.87	3464.61	
20	3318.77	3485.50	
25	3326.95	3494.08	
30	3327.32	3494.47	
35	3323.40	3490.36	
40	3318.15	3484.85	
45	3313.79	3480.27	
50	3311.75	3478.13	
55	3312.64	3479.06	
60	3316.20	3482.80	
65	3321.32	3488.18	
70	3326.09	3493.18	
75	3327.82	3495.00	
80	3323.22	3490.17	
85	3308.50	3474.72	
90	3279.60	3444.38	
95	3232.49	3394.92	
100	3163.49	3322.49	
105	3069.63	3223.96	
110	2949.03	3097.37	
115	2801.26	2942.26	
120	2627.55	2759.93	
125	2431.05	2553.68	
130	2216.76	2328.79	
135	1991.53	2092.42	
140	1763.72	1853.40	
145	1542.95	1621.80	
150	1339.50	1408.43	
155	1163.55	1223.98	
160	1023.77	1077.52	
165	924.99	974.08	
170	865.96	912.29	
175	839.07	884.14	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	833.29	878.10	
185	838.21	883.25	
190	846.38	891.80	
195	853.64	899.39	
200	858.34	904.31	
205	860.41	906.47	
210	860.50	906.57	
215	859.50	905.53	
220	858.19	904.15	
225	857.12	903.03	
230	856.63	902.52	
235	856.84	902.74	
240	857.71	903.65	
245	858.98	904.98	
250	860.19	906.24	
255	860.63	906.71	
260	859.46	905.48	
265	855.85	901.71	
270	849.53	895.09	
275	841.39	886.57	
280	834.47	879.33	
285	834.86	879.74	
290	851.93	897.61	
295	896.91	944.68	
300	979.25	1030.89	
305	1102.92	1160.44	
310	1265.28	1330.62	
315	1458.91	1533.65	
320	1674.01	1759.27	
325	1900.20	1996.59	
330	2127.55	2235.16	
335	2347.13	2465.60	
340	2551.45	2680.05	
345	2734.76	2872.45	
350	2893.16	3038.72	
355	3024.66	3176.76	

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission