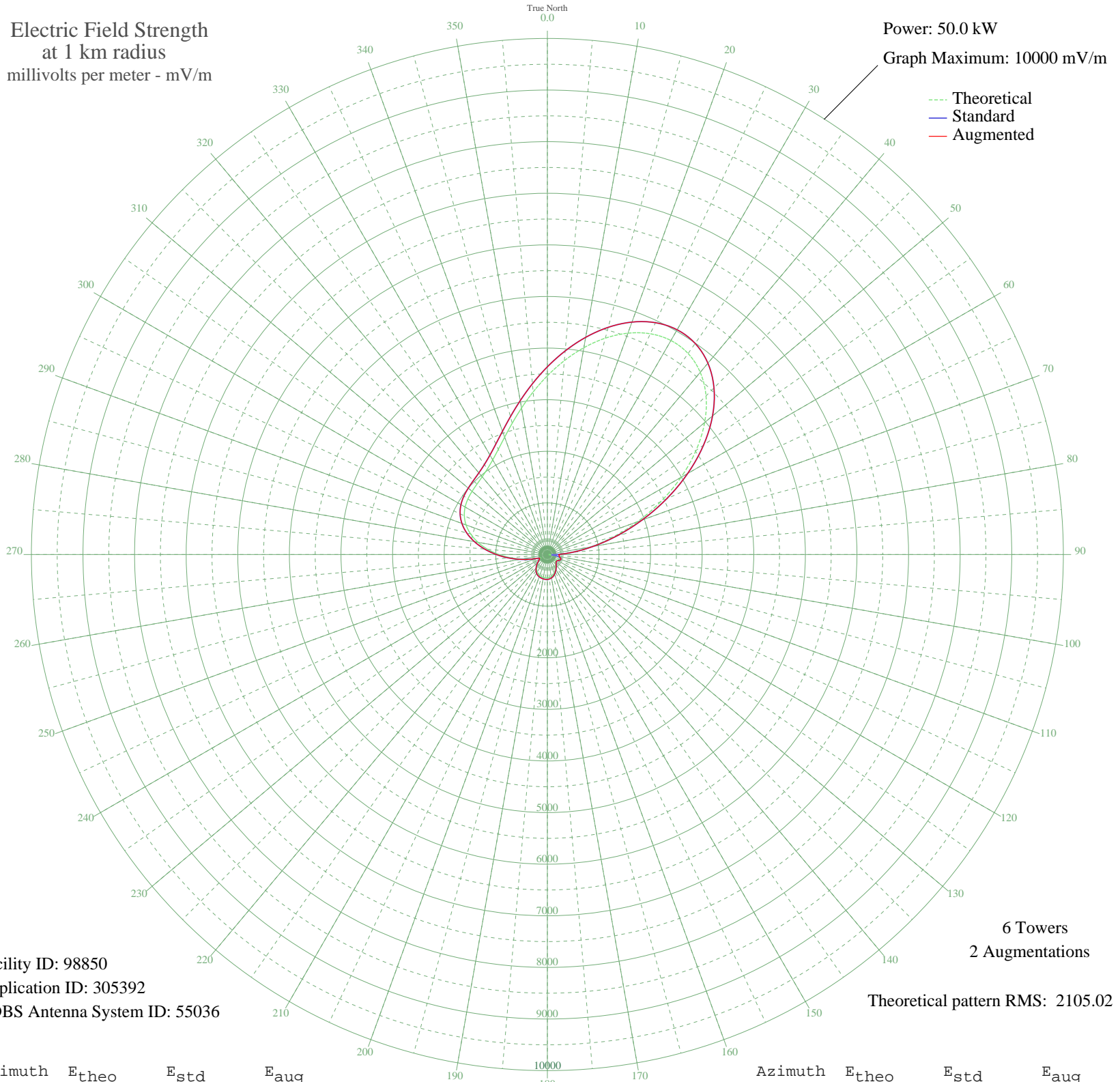


# CHQR CALGARY, AB Canada -- 770 kHz

Nighttime

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

Power: 50.0 kW  
Graph Maximum: 10000 mV/m



Facility ID: 98850  
Application ID: 305392  
CDBS Antenna System ID: 55036

6 Towers  
2 Augmentations  
Theoretical pattern RMS: 2105.02

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	3463.30	3637.22	3637.22
5	3770.81	3960.05	3960.05
10	4069.42	4273.54	4273.54
15	4340.64	4558.28	4558.28
20	4564.37	4793.17	4793.17
25	4720.21	4956.78	4956.78
30	4789.11	5029.12	5029.12
35	4755.47	4993.80	4993.80
40	4609.32	4840.35	4840.35
45	4348.29	4566.31	4566.31
50	3979.08	4178.70	4178.70
55	3517.84	3694.48	3694.48
60	2989.31	3139.66	3139.66
65	2424.65	2546.97	2546.97
70	1858.11	1952.42	1952.42
75	1323.08	1391.22	1391.22
80	848.23	893.73	893.73
85	454.31	482.77	482.77
90	152.72	176.71	226.33
95	62.75	99.27	236.52
100	187.00	209.92	229.26
105	245.13	267.88	267.88
110	254.83	277.68	277.68
115	237.17	259.86	259.86
120	212.68	235.34	235.34
125	198.00	220.76	220.76
130	200.69	223.42	223.42
135	218.14	240.78	240.78
140	244.47	267.21	267.21
145	275.88	299.03	299.03
150	310.36	334.23	334.23
155	345.96	370.76	370.76
160	380.05	405.90	405.90
165	409.71	436.56	436.56
170	432.51	460.16	460.16
175	447.17	475.36	475.36

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

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	453.90	482.34	482.34
185	454.17	482.62	482.62
190	449.95	478.24	478.24
195	442.57	470.59	470.59
200	431.78	459.40	459.40
205	415.64	442.69	442.69
210	391.61	417.84	417.84
215	358.17	383.33	383.33
220	316.26	340.27	340.27
225	269.61	292.66	292.66
230	223.30	245.94	245.94
235	181.33	204.36	204.36
240	147.91	172.14	172.14
245	142.81	167.32	167.32
250	203.18	225.89	225.89
255	330.69	355.07	355.07
260	506.72	537.22	537.22
265	714.92	754.33	754.33
270	938.63	988.36	988.36
275	1160.64	1220.93	1220.93
280	1365.05	1435.22	1435.22
285	1539.51	1618.19	1618.19
290	1676.83	1762.24	1762.24
295	1775.67	1865.93	1865.93
300	1840.26	1933.70	1933.70
305	1879.35	1974.71	1974.71
310	1904.68	2001.29	2001.29
315	1929.30	2027.13	2027.13
320	1966.01	2065.65	2065.65
325	2026.09	2128.69	2128.69
330	2118.44	2225.60	2225.60
335	2249.04	2362.66	2362.66
340	2420.77	2542.89	2542.89
345	2633.26	2765.92	2765.92
350	2882.92	3027.98	3027.98
355	3162.95	3321.93	3321.93