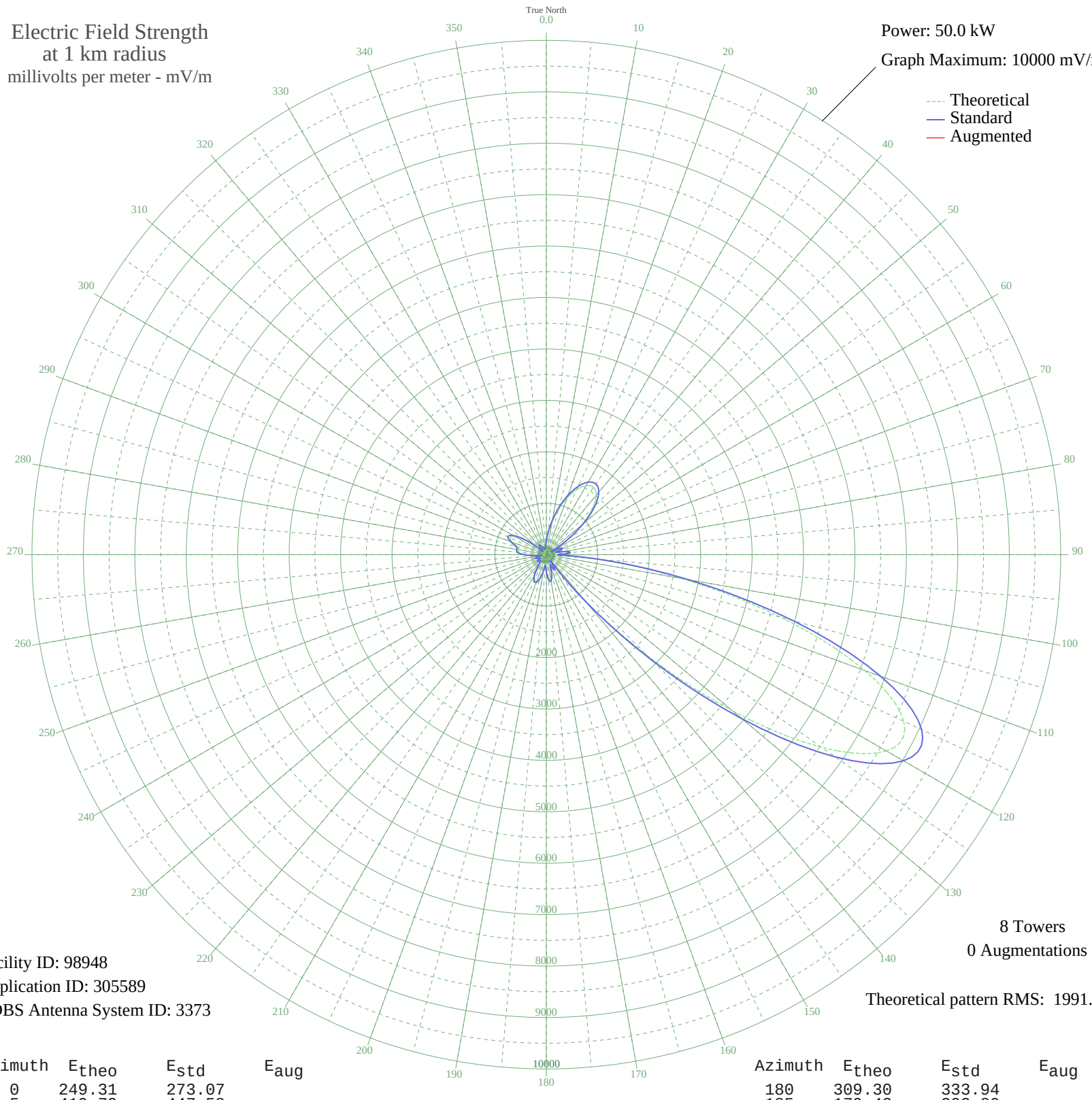
CHML HAMILTON, ON Canada -- 900 kHz

Daytime

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



Power: 50.0 kW

Graph Maximum: 10000 mV/m

Theoretical
Standard
Augmented

8 Towers
0 Augmentations

Facility ID: 98948
Application ID: 305589
CDBS Antenna System ID: 3373

Theoretical pattern RMS: 1991.45

Azimuth	E_{theo}	E_{std}	E_{aug}
0	249.31	273.07	
5	419.79	447.58	
10	646.71	683.48	
15	906.11	954.59	
20	1166.79	1227.59	
25	1393.44	1465.17	
30	1548.76	1628.06	
35	1596.41	1678.03	
40	1506.89	1584.14	
45	1267.64	1333.29	
50	896.04	944.05	
55	451.06	479.95	
60	60.07	100.10	
65	259.18	283.03	
70	306.10	330.67	
75	172.43	197.03	
80	303.14	327.65	
85	442.70	471.29	
90	195.60	219.59	
95	970.45	1021.93	
100	2675.21	2810.04	
105	4736.04	4973.45	
110	6588.93	6918.82	
115	7666.58	8050.29	
120	7634.04	8016.12	
125	6528.22	6855.07	
130	4726.75	4963.70	
135	2771.89	2911.53	
140	1150.29	1210.30	
145	157.53	182.76	
150	295.45	319.82	
155	263.77	287.66	
160	187.57	211.73	
165	371.91	398.17	
170	492.23	522.65	
175	459.68	488.88	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	309.30	333.94	
185	179.43	203.80	
190	292.90	317.22	
195	454.44	483.45	
200	542.80	575.22	
205	534.86	566.96	
210	438.94	467.40	
215	286.52	310.73	
220	142.53	168.63	
225	142.78	168.87	
230	200.39	224.31	
235	187.79	211.94	
240	114.26	142.96	
245	121.02	148.96	
250	198.97	222.91	
255	189.45	213.57	
260	53.15	95.69	
265	184.55	208.79	
270	410.98	438.47	
275	536.78	568.96	
280	550.65	583.39	
285	577.35	611.18	
290	698.25	737.27	
295	781.38	824.12	
300	704.78	744.09	
305	472.35	502.02	
310	179.00	203.38	
315	65.80	104.00	
320	193.76	217.79	
325	210.67	234.47	
330	164.23	189.15	
335	106.54	136.22	
340	67.16	104.95	
345	63.06	102.11	
350	91.00	123.18	
355	144.86	170.81	

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