

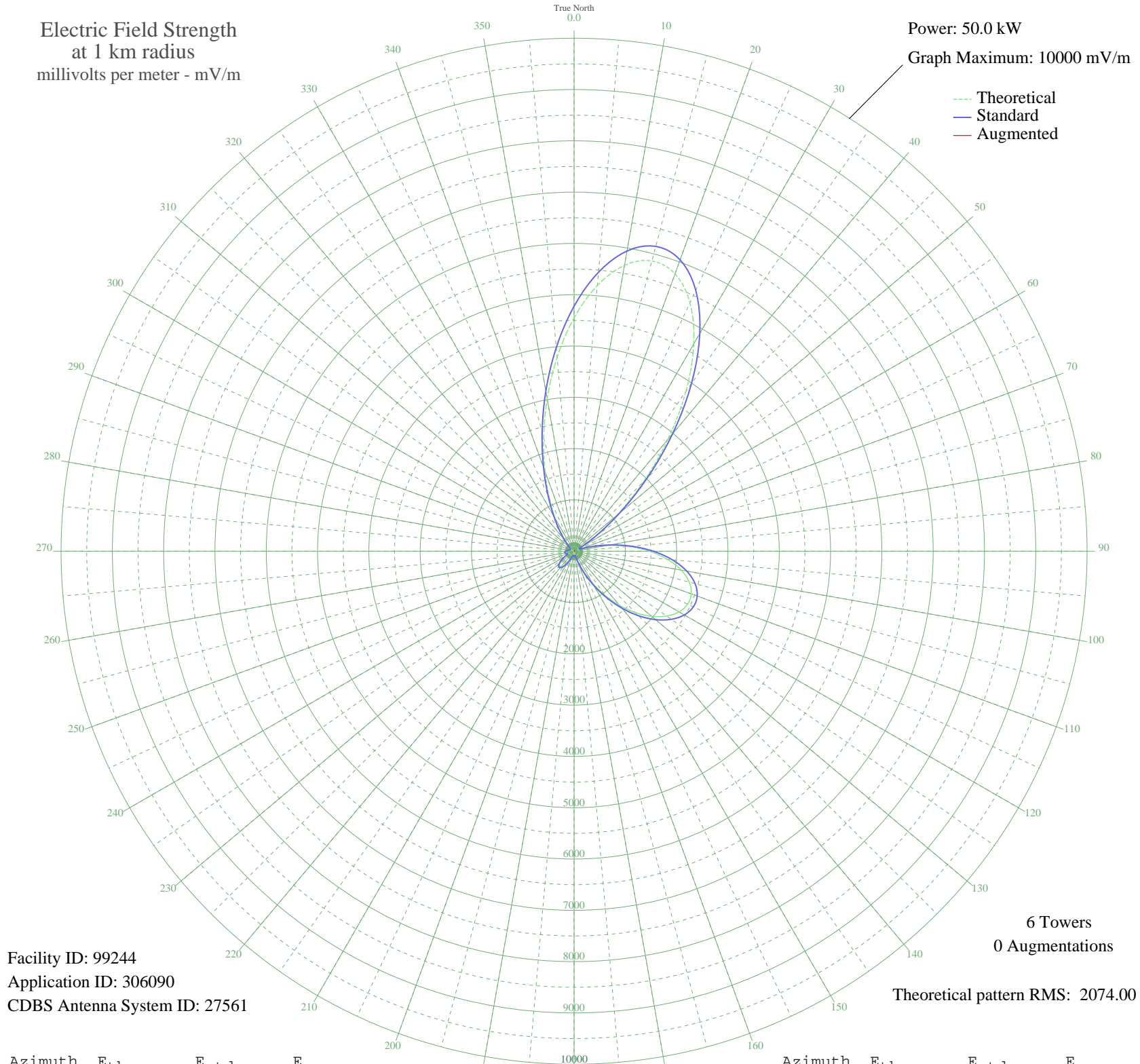
# CHTX MONTREAL, QC Canada -- 990 kHz

Nighttime

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

Power: 50.0 kW  
Graph Maximum: 10000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 99244  
Application ID: 306090  
CDBS Antenna System ID: 27561

6 Towers  
0 Augmentations  
Theoretical pattern RMS: 2074.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	4547.94	4775.91	
5	5198.13	5458.54	
10	5658.99	5942.40	
15	5859.02	6152.41	
20	5755.34	6043.56	
25	5344.60	5612.32	
30	4666.54	4900.43	
35	3798.81	3989.44	
40	2844.13	2987.26	
45	1912.71	2009.72	
50	1104.21	1161.80	
55	493.84	523.82	
60	132.49	157.69	
65	77.20	109.93	
70	93.40	123.01	
75	310.16	334.03	
80	660.46	697.45	
85	1065.06	1120.77	
90	1469.30	1544.55	
95	1831.39	1924.39	
100	2122.27	2229.62	
105	2324.73	2442.09	
110	2431.38	2554.03	
115	2442.28	2565.46	
120	2362.86	2482.11	
125	2202.50	2313.82	
130	1973.76	2073.78	
135	1692.21	1778.37	
140	1376.41	1447.14	
145	1047.72	1102.61	
150	729.31	769.36	
155	444.23	472.32	
160	212.47	235.12	
165	47.45	89.41	
170	47.81	89.62	
175	80.46	112.47	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	69.65	104.21	
185	41.01	85.83	
190	22.31	77.85	
195	35.09	82.88	
200	83.32	114.74	
205	162.97	186.53	
210	256.92	279.80	
215	341.20	365.87	
220	393.19	419.48	
225	398.70	425.16	
230	355.96	381.06	
235	276.05	299.22	
240	181.28	204.31	
245	109.07	136.49	
250	108.77	136.22	
255	144.00	168.45	
260	164.46	187.97	
265	161.40	185.02	
270	139.69	164.39	
275	107.84	135.40	
280	74.23	107.65	
285	45.39	88.22	
290	26.06	79.13	
295	20.09	77.19	
300	26.12	79.15	
305	44.09	87.49	
310	82.72	114.27	
315	154.44	178.35	
320	275.43	298.58	
325	465.87	494.77	
330	747.76	788.65	
335	1140.61	1199.94	
340	1655.64	1740.01	
345	2289.30	2404.91	
350	3017.62	3169.37	
355	3793.42	3983.78	

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.

06 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission