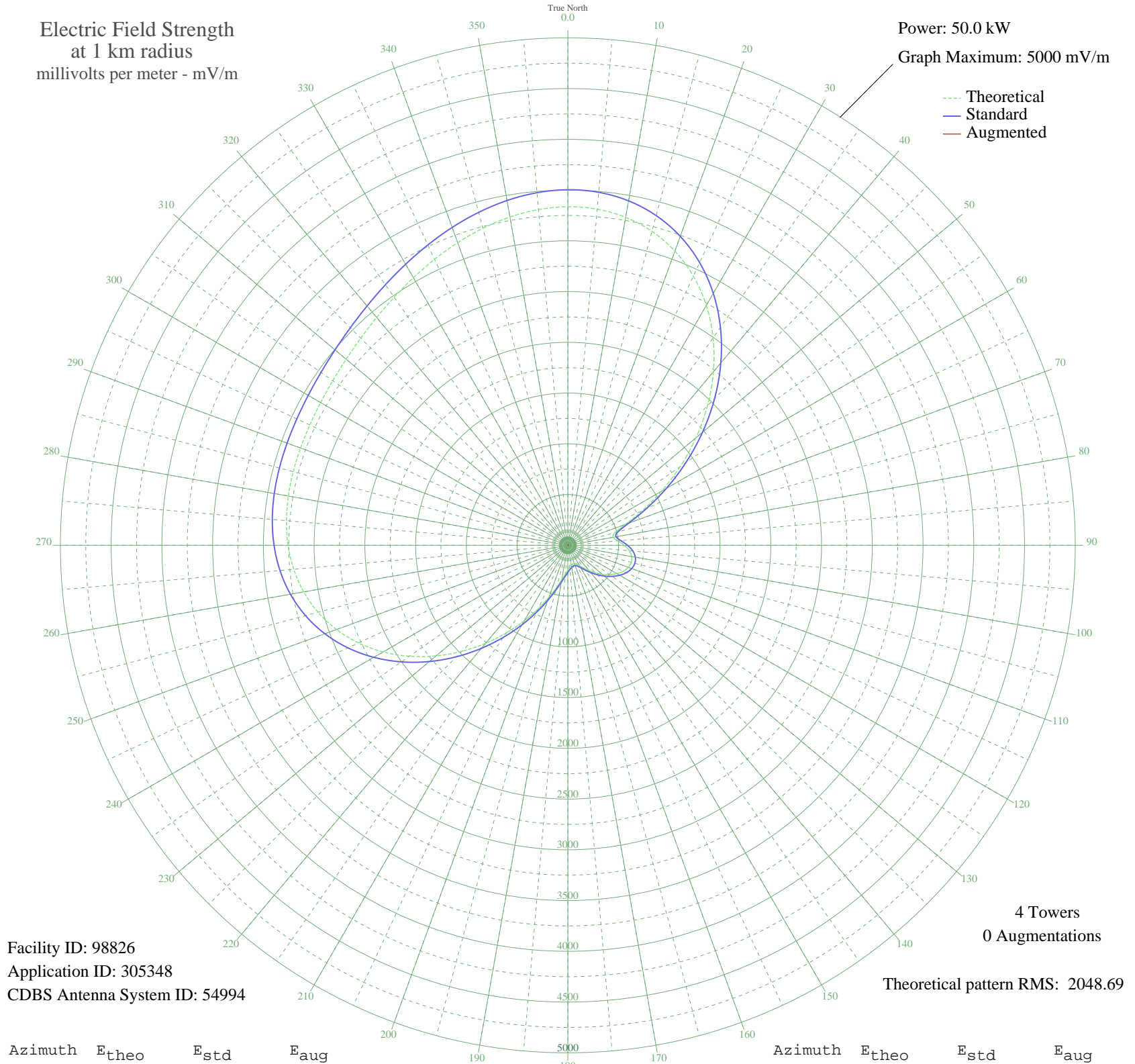


# CHMJ VANCOUVER, BC Canada -- 730 kHz

Nighttime

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

Power: 50.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 98826  
Application ID: 305348  
CDBS Antenna System ID: 54994

Theoretical pattern RMS: 2048.69

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	3335.59	3503.15	
5	3324.29	3491.29	
10	3281.30	3446.16	
15	3202.31	3363.25	
20	3084.36	3239.43	
25	2926.28	3073.49	
30	2729.00	2866.42	
35	2495.81	2621.65	
40	2232.38	2345.18	
45	1946.66	2045.34	
50	1648.61	1732.64	
55	1350.03	1419.47	
60	1064.54	1120.23	
65	808.64	852.31	
70	604.30	638.84	
75	480.44	509.89	
80	453.78	482.22	
85	495.12	525.15	
90	556.22	588.73	
95	608.03	642.73	
100	639.22	675.27	
105	647.31	683.72	
110	633.92	669.74	
115	602.53	637.00	
120	557.43	589.99	
125	503.05	533.40	
130	443.69	471.75	
135	383.33	409.28	
140	325.64	349.89	
145	274.12	297.25	
150	232.26	254.92	
155	203.22	225.93	
160	188.84	211.72	
165	188.22	211.12	
170	198.31	221.07	
175	216.65	239.29	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	243.83	266.57	
185	284.14	307.45	
190	344.06	368.82	
195	429.60	457.15	
200	544.15	576.16	
205	687.93	726.14	
210	858.51	904.49	
215	1051.30	1106.35	
220	1260.04	1325.13	
225	1477.34	1552.98	
230	1695.15	1781.46	
235	1905.50	2002.15	
240	2101.06	2207.36	
245	2275.82	2390.76	
250	2425.46	2547.82	
255	2547.69	2676.10	
260	2642.22	2775.32	
265	2710.66	2847.16	
270	2756.18	2894.94	
275	2783.11	2923.21	
280	2796.42	2937.18	
285	2801.31	2942.31	
290	2802.76	2943.84	
295	2805.25	2946.45	
300	2812.48	2954.03	
305	2827.26	2969.55	
310	2851.43	2994.93	
315	2885.85	3031.05	
320	2930.35	3077.76	
325	2983.82	3133.89	
330	3044.21	3197.28	
335	3108.60	3264.87	
340	3173.21	3332.70	
345	3233.54	3396.03	
350	3284.47	3449.50	
355	3320.42	3487.23	

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission