

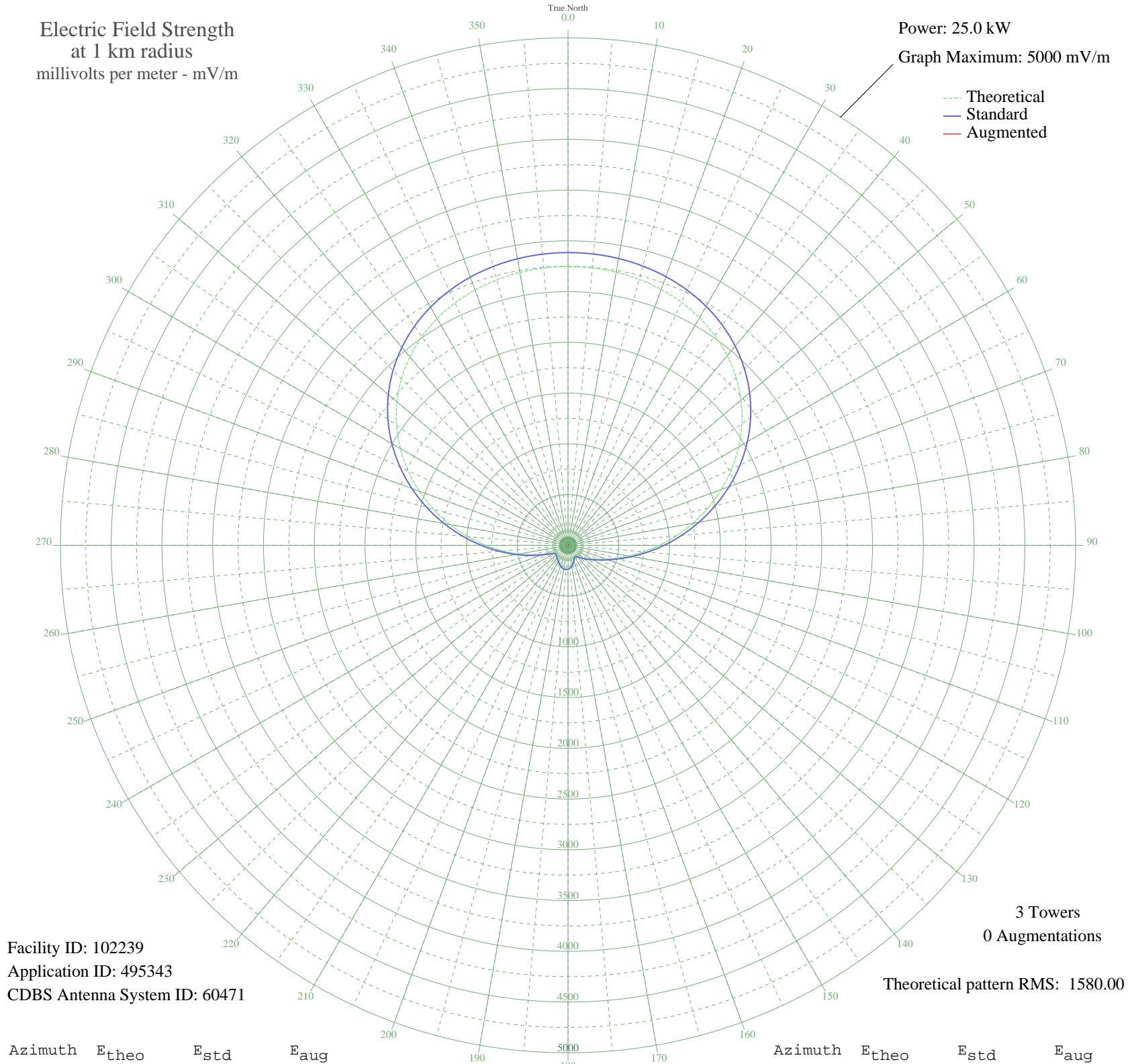
# CHMG ST. ALBERT, AB Canada -- 1200 kHz

Nighttime

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

Power: 25.0 kW  
Graph Maximum: 5000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 102239  
Application ID: 495343  
CDBS Antenna System ID: 60471

3 Towers  
0 Augmentations

Theoretical pattern RMS: 1580.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	2746.24	2884.03	
5	2742.91	2880.54	
10	2731.67	2868.74	
15	2711.86	2847.93	
20	2682.41	2817.02	
25	2641.96	2774.55	
30	2588.95	2718.90	
35	2521.81	2648.42	
40	2439.11	2561.61	
45	2339.81	2457.36	
50	2223.43	2335.19	
55	2090.22	2195.36	
60	1941.36	2039.10	
65	1778.96	1868.65	
70	1606.16	1687.28	
75	1426.92	1499.18	
80	1245.94	1309.29	
85	1068.36	1123.01	
90	899.41	945.84	
95	744.05	783.02	
100	606.58	639.07	
105	490.08	517.25	
110	395.88	418.98	
115	322.97	343.16	
120	267.79	286.04	
125	225.14	242.16	
130	189.99	206.28	
135	159.48	175.49	
140	134.10	150.27	
145	117.90	134.47	
150	115.99	132.62	
155	128.53	144.81	
160	149.73	165.75	
165	173.10	189.18	
170	194.19	210.55	
175	210.36	227.03	

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	220.27	237.16	
185	223.50	240.48	
190	220.45	237.35	
195	212.20	228.91	
200	200.38	216.85	
205	186.99	203.23	
210	173.90	189.99	
215	162.33	178.35	
220	152.31	168.33	
225	143.06	159.12	
230	134.59	150.75	
235	131.08	147.31	
240	143.91	159.97	
245	185.89	202.12	
250	260.47	278.49	
255	364.40	386.20	
260	493.61	520.94	
265	644.19	678.43	
270	811.97	854.18	
275	992.30	1043.24	
280	1180.16	1240.28	
285	1370.35	1439.83	
290	1557.83	1636.57	
295	1737.99	1825.65	
300	1906.92	2002.95	
305	2061.55	2165.27	
310	2199.83	2310.42	
315	2320.64	2437.23	
320	2423.75	2545.48	
325	2509.70	2635.70	
330	2579.59	2709.07	
335	2634.89	2767.13	
340	2677.24	2811.60	
345	2708.28	2844.17	
350	2729.43	2866.38	
355	2741.83	2879.40	