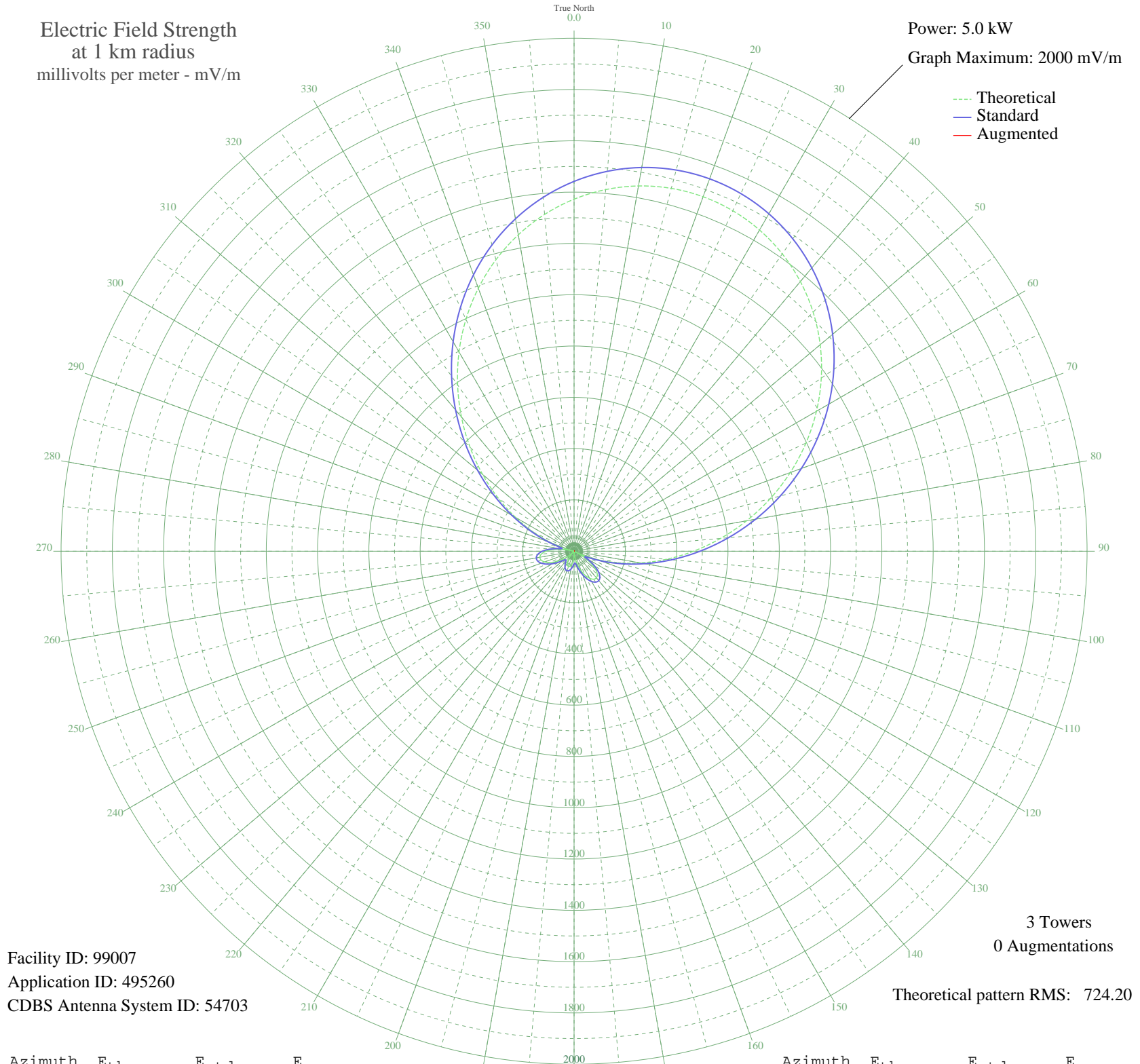


# CKCH HULL, QC Canada -- 970 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 99007  
Application ID: 495260  
CDBS Antenna System ID: 54703

3 Towers  
0 Augmentations

Theoretical pattern RMS: 724.20

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1372.49	1441.85	
5	1415.26	1486.74	
10	1446.04	1519.04	
15	1464.58	1538.50	
20	1470.78	1545.00	
25	1464.58	1538.50	
30	1446.04	1519.04	
35	1415.26	1486.74	
40	1372.49	1441.85	
45	1318.07	1384.74	
50	1252.53	1315.95	
55	1176.57	1236.26	
60	1091.16	1146.64	
65	997.50	1048.38	
70	897.05	943.03	
75	791.57	832.42	
80	683.03	718.65	
85	573.60	604.03	
90	465.56	491.00	
95	361.25	382.09	
100	262.91	279.86	
105	172.62	186.99	
110	92.20	107.17	
115	23.06	51.96	
120	33.79	58.07	
125	77.85	93.78	
130	109.10	123.44	
135	128.04	142.09	
140	135.59	149.61	
145	133.05	147.07	
150	122.03	136.13	
155	104.35	118.82	
160	81.92	97.53	
165	56.68	75.20	
170	30.52	56.04	
175	5.17	46.29	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	17.80	49.63	
185	37.09	60.25	
190	51.63	71.08	
195	60.67	78.56	
200	63.73	81.19	
205	60.67	78.56	
210	51.63	71.08	
215	37.09	60.25	
220	17.80	49.63	
225	5.17	46.30	
230	30.52	56.04	
235	56.68	75.21	
240	81.92	97.53	
245	104.35	118.82	
250	122.03	136.13	
255	133.05	147.07	
260	135.59	149.61	
265	128.04	142.09	
270	109.10	123.44	
275	77.85	93.78	
280	33.79	58.07	
285	23.06	51.96	
290	92.20	107.17	
295	172.62	187.00	
300	262.91	279.86	
305	361.25	382.09	
310	465.56	491.00	
315	573.60	604.03	
320	683.03	718.65	
325	791.57	832.42	
330	897.05	943.03	
335	997.50	1048.38	
340	1091.16	1146.64	
345	1176.57	1236.26	
350	1252.53	1315.96	
355	1318.07	1384.74	

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