

CKCH HULL, QC Canada -- 970 kHz

Daytime

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

Power: 10.0 kW
Graph Maximum: 5000 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 99007
Application ID: 305814
CDBS Antenna System ID: 27070

3 Towers
0 Augmentations

Theoretical pattern RMS: 1025.15

Azimuth	E _{theo}	E _{std}	E _{aug}
0	1887.46	1982.59	
5	1936.68	2034.25	
10	1971.98	2071.31	
15	1993.22	2093.59	
20	2000.30	2101.03	
25	1993.22	2093.59	
30	1971.98	2071.31	
35	1936.68	2034.25	
40	1887.46	1982.59	
45	1824.58	1916.59	
50	1748.47	1836.71	
55	1659.73	1743.58	
60	1559.26	1638.14	
65	1448.23	1521.62	
70	1328.11	1395.59	
75	1200.73	1261.96	
80	1068.24	1122.99	
85	933.02	981.20	
90	797.69	839.36	
95	664.97	700.37	
100	537.60	567.13	
105	418.20	442.52	
110	309.27	329.32	
115	213.10	230.37	
120	132.31	149.34	
125	72.06	93.43	
130	49.18	75.30	
135	65.55	87.98	
140	85.81	105.46	
145	97.87	116.46	
150	100.58	118.99	
155	95.12	113.93	
160	83.38	103.29	
165	67.62	89.69	
170	50.55	76.29	
175	35.86	66.50	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	29.16	62.78	
185	32.74	64.69	
190	40.22	69.19	
195	46.14	73.15	
200	48.29	74.66	
205	46.14	73.15	
210	40.22	69.19	
215	32.74	64.69	
220	29.16	62.78	
225	35.86	66.50	
230	50.55	76.29	
235	67.62	89.69	
240	83.38	103.29	
245	95.12	113.93	
250	100.58	118.99	
255	97.87	116.46	
260	85.81	105.46	
265	65.55	87.98	
270	49.18	75.30	
275	72.06	93.43	
280	132.31	149.34	
285	213.11	230.37	
290	309.27	329.32	
295	418.21	442.52	
300	537.60	567.13	
305	664.97	700.37	
310	797.69	839.37	
315	933.02	981.20	
320	1068.24	1122.99	
325	1200.74	1261.96	
330	1328.11	1395.59	
335	1448.23	1521.63	
340	1559.27	1638.15	
345	1659.73	1743.58	
350	1748.47	1836.71	
355	1824.58	1916.60	

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