

# CHOO AJAX, ON Canada -- 1390 kHz

Nighttime

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

Power: 10.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 105779  
Application ID: 313557  
CDBS Antenna System ID: 40995

5 Towers  
0 Augmentations

Theoretical pattern RMS: 965.61

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	2305.16	2421.26	
5	2325.06	2442.16	
10	2305.16	2421.26	
15	2245.76	2358.92	
20	2147.95	2256.26	
25	2013.75	2115.41	
30	1846.48	1939.86	
35	1651.09	1734.82	
40	1434.42	1507.50	
45	1205.32	1267.20	
50	974.39	1025.12	
55	753.51	793.78	
60	554.98	586.24	
65	390.48	414.97	
70	269.36	289.98	
75	194.32	213.85	
80	153.91	173.83	
85	126.26	147.23	
90	96.61	119.97	
95	62.70	91.85	
100	29.40	71.09	
105	7.77	64.56	
110	17.49	66.62	
115	20.98	67.72	
120	14.17	65.74	
125	7.85	64.57	
130	21.56	67.92	
135	35.55	74.12	
140	42.75	78.20	
145	40.38	76.80	
150	27.91	70.42	
155	7.89	64.57	
160	22.42	68.23	
165	52.16	84.26	
170	80.66	106.18	
175	104.05	126.64	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	119.35	140.73	
185	124.66	145.72	
190	119.35	140.73	
195	104.05	126.64	
200	80.66	106.18	
205	52.16	84.26	
210	22.42	68.23	
215	7.89	64.57	
220	27.91	70.42	
225	40.38	76.80	
230	42.75	78.20	
235	35.55	74.12	
240	21.56	67.92	
245	7.85	64.57	
250	14.17	65.74	
255	20.98	67.72	
260	17.49	66.62	
265	7.77	64.56	
270	29.40	71.09	
275	62.70	91.85	
280	96.62	119.97	
285	126.26	147.23	
290	153.91	173.83	
295	194.32	213.85	
300	269.36	289.99	
305	390.48	414.97	
310	554.99	586.24	
315	753.52	793.78	
320	974.40	1025.12	
325	1205.32	1267.21	
330	1434.42	1507.51	
335	1651.09	1734.83	
340	1846.48	1939.87	
345	2013.76	2115.41	
350	2147.96	2256.26	
355	2245.77	2358.92	

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.

24 Oct 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission