

# CJTR TROIS RIVIERES, QC Canada -- 1140 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: 100853  
Application ID: 307831  
CDBS Antenna System ID: 30902

6 Towers  
0 Augmentations

Theoretical pattern RMS: 1046.07

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	2528.89	2656.25	
5	2413.57	2535.21	
10	2251.88	2365.50	
15	2049.00	2152.58	
20	1812.59	1904.49	
25	1552.96	1632.09	
30	1282.94	1348.89	
35	1017.10	1070.22	
40	770.32	811.83	
45	555.92	587.86	
50	383.66	408.82	
55	258.00	279.72	
60	177.46	198.93	
65	134.99	157.94	
70	119.79	143.78	
75	119.84	143.84	
80	124.67	148.29	
85	127.26	150.69	
90	124.91	148.51	
95	118.58	142.68	
100	111.34	136.09	
105	106.39	131.65	
110	105.49	130.85	
115	108.23	133.30	
120	112.19	136.86	
125	113.88	138.39	
130	109.88	134.78	
135	97.90	124.18	
140	77.41	107.05	
145	49.73	87.07	
150	17.85	72.15	
155	15.47	71.54	
160	44.61	83.95	
165	67.21	99.17	
170	80.71	109.71	
175	84.10	112.48	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	77.85	107.40	
185	63.85	96.69	
190	45.11	84.25	
195	25.25	74.54	
200	7.85	70.16	
205	4.29	69.82	
210	9.54	70.39	
215	8.21	70.20	
220	2.25	69.71	
225	5.57	69.92	
230	11.68	70.74	
235	14.01	71.21	
240	12.18	70.83	
245	8.01	70.18	
250	4.85	69.86	
255	5.97	69.95	
260	12.62	70.92	
265	22.52	73.57	
270	28.91	75.99	
275	21.15	73.12	
280	13.58	71.11	
285	86.52	114.49	
290	206.34	227.59	
295	375.70	400.59	
300	591.06	624.51	
305	843.25	888.15	
310	1118.99	1177.00	
315	1402.97	1474.77	
320	1679.94	1765.31	
325	1936.18	2034.18	
330	2160.53	2269.62	
335	2344.65	2462.86	
340	2482.83	2607.90	
345	2571.56	2701.04	
350	2609.01	2740.34	
355	2594.61	2725.23	

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.

13 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission