

# CJET SMITHS FALLS, ON Canada -- 630 kHz

Nighttime

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: 106121  
Application ID: 314800  
CDBS Antenna System ID: 66982

6 Towers  
0 Augmentations

Theoretical pattern RMS: 917.33

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	2291.32	2406.11	
5	2139.93	2247.17	
10	1939.56	2036.81	
15	1701.77	1787.17	
20	1440.15	1512.52	
25	1169.27	1228.18	
30	903.53	949.28	
35	655.99	689.58	
40	437.34	460.41	
45	255.17	269.98	
50	113.51	123.72	
55	12.80	35.82	
60	49.75	61.90	
65	79.61	89.94	
70	84.02	94.26	
75	71.14	81.74	
80	49.05	61.28	
85	25.00	42.33	
90	4.71	33.57	
95	8.06	34.27	
100	11.70	35.40	
105	6.72	33.94	
110	4.61	33.55	
115	18.69	38.57	
120	31.34	46.75	
125	38.55	52.35	
130	37.16	51.23	
135	25.52	42.67	
140	3.82	33.45	
145	25.84	42.88	
150	59.77	71.00	
155	93.19	103.33	
160	121.08	131.40	
165	138.99	149.67	
170	143.85	154.65	
175	134.50	145.07	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	111.94	122.14	
185	79.22	89.56	
190	40.86	54.25	
195	2.16	33.28	
200	31.73	47.04	
205	56.68	68.15	
210	70.22	80.86	
215	71.93	82.51	
220	63.43	74.42	
225	47.98	60.34	
230	29.85	45.66	
235	13.50	36.10	
240	2.75	33.33	
245	0.08	33.20	
250	6.01	33.80	
255	18.96	38.71	
260	35.17	49.66	
265	49.04	61.27	
270	53.62	65.36	
275	41.29	54.61	
280	4.56	33.55	
285	63.10	74.11	
290	166.45	177.90	
295	307.83	324.92	
300	486.62	512.03	
305	699.06	734.77	
310	938.26	985.73	
315	1194.51	1254.68	
320	1455.95	1529.10	
325	1709.32	1795.09	
330	1940.94	2038.26	
335	2137.72	2244.86	
340	2288.10	2402.73	
345	2382.90	2502.26	
350	2416.05	2537.07	
355	2385.08	2504.55	

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.

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Prepared by Audio Division, Media Bureau  
Federal Communications Commission