

CHNO SUDBURY, ON Canada -- 550 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: 106067
Application ID: 314652
CDBS Antenna System ID: 66896

6 Towers
0 Augmentations

Theoretical pattern RMS: 925.40

Azimuth	E _{theo}	E _{std}	E _{aug}
0	2024.40	2125.97	
5	2024.08	2125.63	
10	1998.01	2098.26	
15	1944.08	2041.65	
20	1861.02	1954.44	
25	1748.76	1836.60	
30	1608.89	1689.77	
35	1444.91	1517.64	
40	1262.30	1325.97	
45	1068.38	1122.45	
50	871.90	916.30	
55	682.34	717.48	
60	509.01	535.84	
65	360.10	380.05	
70	241.61	256.58	
75	156.14	168.38	
80	101.15	112.92	
85	68.55	81.56	
90	52.71	67.34	
95	59.91	73.68	
100	87.08	99.16	
105	120.27	131.98	
110	150.00	162.11	
115	170.57	183.16	
120	178.80	191.62	
125	173.62	186.30	
130	155.85	168.08	
135	127.72	139.48	
140	92.52	104.44	
145	54.24	68.67	
150	19.20	43.34	
155	24.83	46.38	
160	51.06	65.92	
165	70.23	83.12	
170	80.01	92.36	
175	80.22	92.56	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	71.92	84.70	
185	57.22	71.28	
190	39.21	56.27	
195	21.67	44.60	
200	8.80	39.46	
205	5.11	38.73	
210	13.33	40.83	
215	36.15	53.97	
220	74.69	87.31	
225	127.81	139.57	
230	192.18	205.40	
235	262.43	278.21	
240	331.50	350.18	
245	391.32	412.67	
250	433.77	457.07	
255	451.60	475.73	
260	439.45	463.02	
265	394.68	416.19	
270	318.33	336.44	
275	218.07	232.16	
280	129.94	141.73	
285	177.19	189.96	
290	328.69	347.25	
295	505.52	532.18	
300	688.26	723.69	
305	868.67	912.91	
310	1041.73	1094.49	
315	1204.24	1265.04	
320	1354.34	1422.57	
325	1491.05	1566.07	
330	1613.91	1695.04	
335	1722.65	1809.19	
340	1816.83	1908.06	
345	1895.65	1990.80	
350	1957.80	2056.04	
355	2001.47	2101.89	

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
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