

CHUR NORTH BAY, ON Canada -- 840 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: 98899
Application ID: 495208
CDBS Antenna System ID: 26745

5 Towers
0 Augmentations

Theoretical pattern RMS: 995.00

Azimuth	E _{theo}	E _{std}	E _{aug}
0	2018.35	2119.53	
5	2071.23	2175.04	
10	2104.98	2210.47	
15	2121.37	2227.68	
20	2121.37	2227.68	
25	2104.98	2210.47	
30	2071.23	2175.04	
35	2018.35	2119.53	
40	1944.10	2041.57	
45	1846.25	1938.85	
50	1723.21	1809.68	
55	1574.73	1653.80	
60	1402.53	1473.03	
65	1210.83	1271.80	
70	1006.47	1057.32	
75	798.63	839.21	
80	597.92	628.69	
85	415.12	437.14	
90	259.57	274.56	
95	137.66	148.31	
100	51.81	63.74	
105	1.61	33.25	
110	23.30	41.24	
115	26.36	43.23	
120	18.30	38.36	
125	8.05	34.26	
130	6.63	33.93	
135	8.94	34.50	
140	6.63	33.93	
145	1.97	33.27	
150	7.96	34.24	
155	14.20	36.40	
160	17.11	37.75	
165	15.75	37.09	
170	10.81	35.09	
175	7.49	34.12	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	14.24	36.41	
185	23.72	41.51	
190	31.50	46.87	
195	35.81	50.16	
200	35.81	50.16	
205	31.50	46.87	
210	23.72	41.51	
215	14.24	36.41	
220	7.49	34.12	
225	10.81	35.09	
230	15.75	37.09	
235	17.11	37.75	
240	14.20	36.40	
245	7.96	34.24	
250	1.97	33.27	
255	6.63	33.93	
260	8.94	34.50	
265	6.63	33.93	
270	8.05	34.26	
275	18.30	38.36	
280	26.36	43.23	
285	23.30	41.24	
290	1.61	33.25	
295	51.81	63.74	
300	137.66	148.31	
305	259.57	274.56	
310	415.12	437.14	
315	597.92	628.69	
320	798.63	839.22	
325	1006.47	1057.32	
330	1210.83	1271.80	
335	1402.53	1473.03	
340	1574.73	1653.80	
345	1723.22	1809.68	
350	1846.25	1938.85	
355	1944.10	2041.57	

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau
Federal Communications Commission