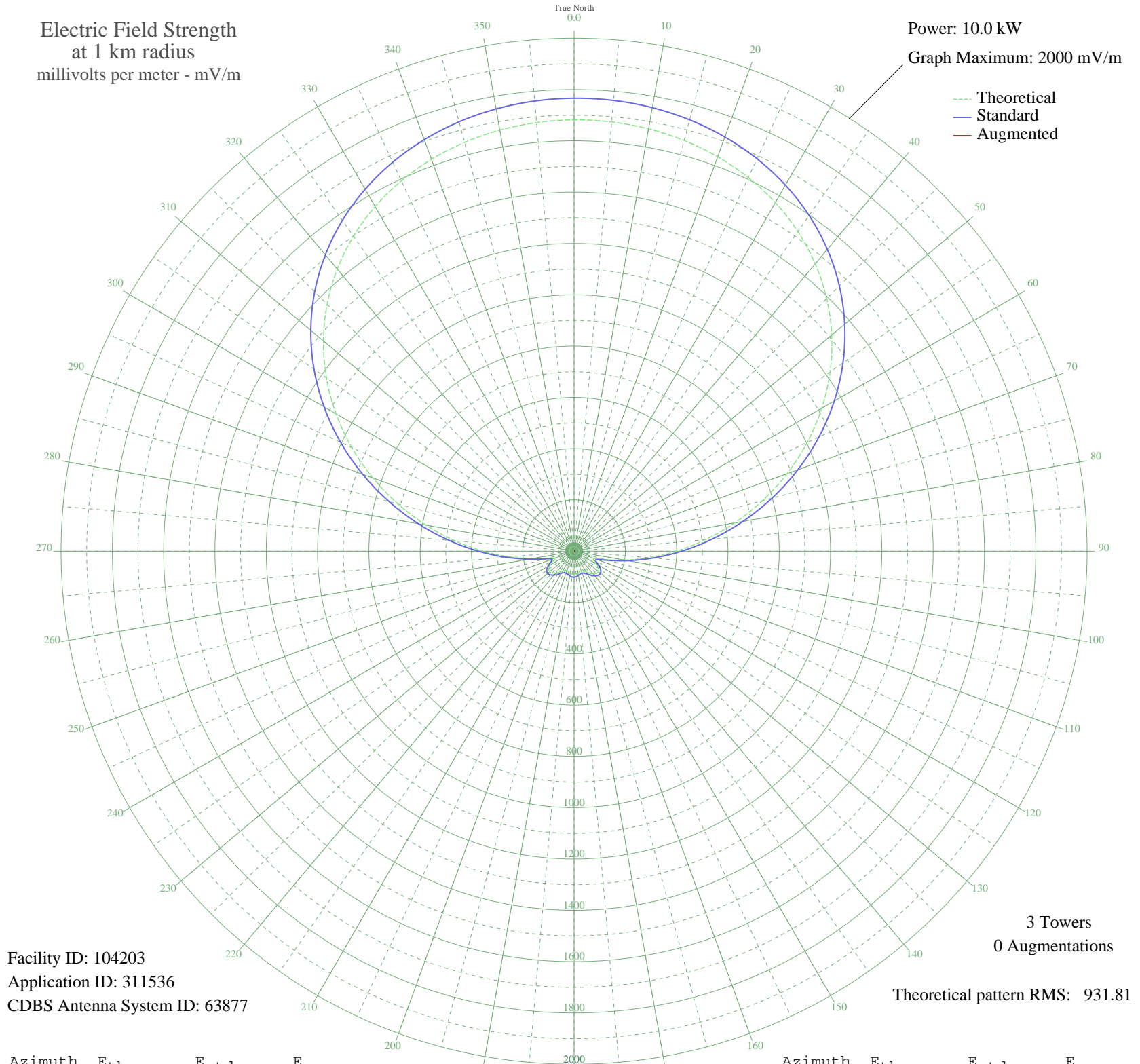


# CHAT MEDICINE HAT, AB Canada -- 1270 kHz

Nighttime

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

Power: 10.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 104203  
Application ID: 311536  
CDBS Antenna System ID: 63877

3 Towers  
0 Augmentations

Theoretical pattern RMS: 931.81

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1681.65	1766.04	
5	1679.87	1764.18	
10	1672.06	1755.98	
15	1657.84	1741.04	
20	1636.55	1718.70	
25	1607.36	1688.06	
30	1569.31	1648.11	
35	1521.41	1597.83	
40	1462.81	1536.31	
45	1392.88	1462.90	
50	1311.37	1377.34	
55	1218.54	1279.89	
60	1115.21	1171.45	
65	1002.88	1053.54	
70	883.64	928.42	
75	760.21	798.91	
80	635.74	668.35	
85	513.73	540.44	
90	397.83	419.04	
95	291.81	308.19	
100	199.77	212.37	
105	127.48	137.91	
110	85.99	96.21	
115	84.02	94.26	
120	101.19	111.32	
125	116.50	126.76	
130	123.80	134.16	
135	122.85	133.20	
140	115.49	125.73	
145	104.46	114.60	
150	93.01	103.15	
155	84.38	94.62	
160	80.77	91.08	
165	82.01	92.29	
170	85.85	96.06	
175	89.63	99.79	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	91.49	101.64	
185	90.67	100.83	
190	87.49	97.68	
195	83.39	93.64	
200	80.78	91.09	
205	82.29	92.56	
210	89.06	99.23	
215	99.74	109.87	
220	111.35	121.54	
225	120.54	130.85	
230	124.33	134.70	
235	120.46	130.77	
240	108.10	118.27	
245	90.20	100.36	
250	80.95	91.25	
255	106.33	116.48	
260	168.03	179.53	
265	253.05	267.77	
270	354.02	373.20	
275	466.43	490.88	
280	586.44	616.66	
285	710.36	746.61	
290	834.61	876.97	
295	955.87	1004.22	
300	1071.26	1125.31	
305	1178.40	1237.76	
310	1275.56	1339.75	
315	1361.66	1430.13	
320	1436.22	1508.40	
325	1499.30	1574.61	
330	1551.38	1629.29	
335	1593.26	1673.25	
340	1625.88	1707.49	
345	1650.21	1733.04	
350	1667.17	1750.85	
355	1677.49	1761.67	

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.

23 Oct 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission