

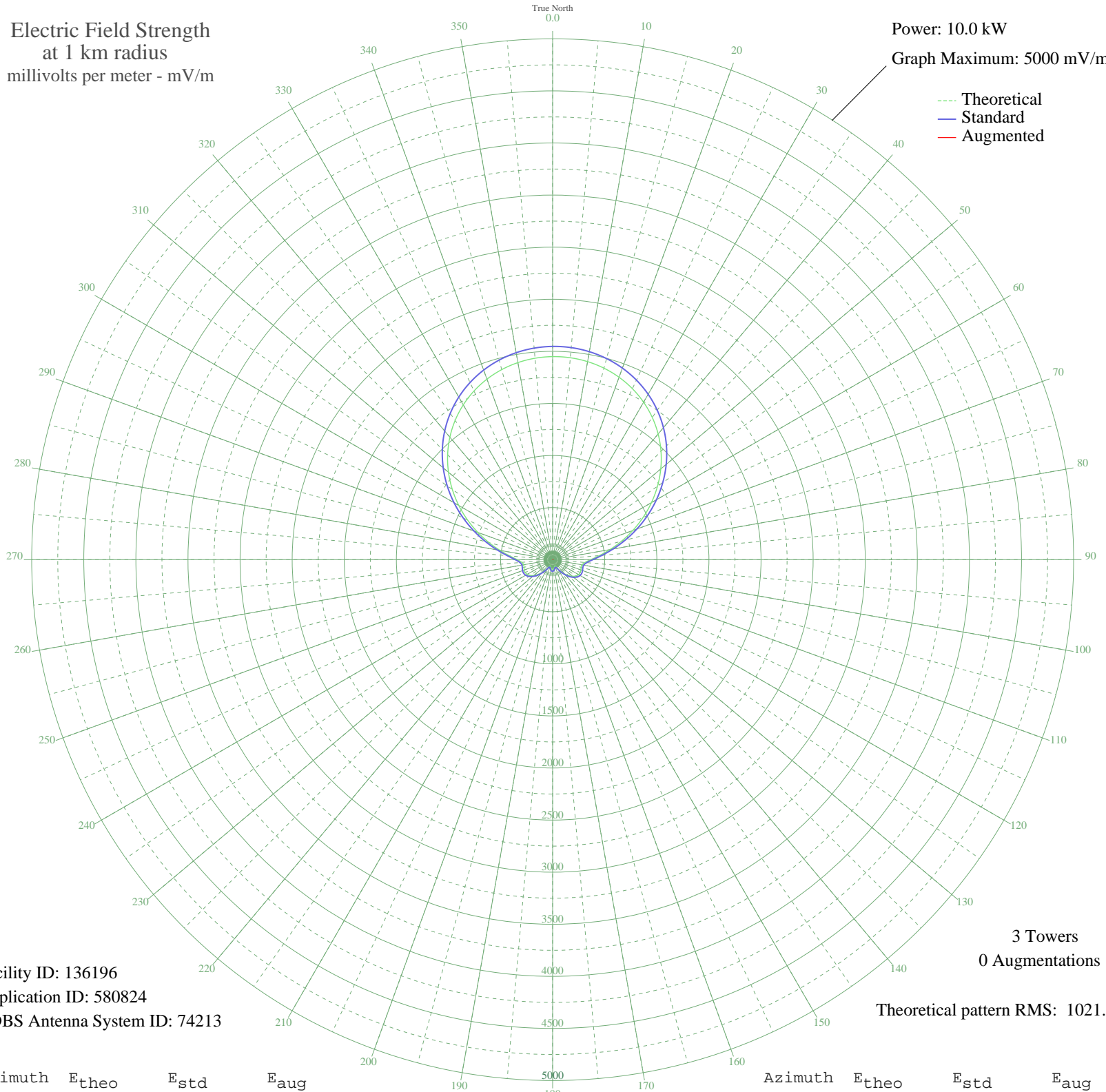
# CHAT MEDICINE HAT, AB Canada -- 1270 kHz

Nighttime

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

Power: 10.0 kW  
Graph Maximum: 5000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 136196  
Application ID: 580824  
CDBS Antenna System ID: 74213

3 Towers  
0 Augmentations

Theoretical pattern RMS: 1021.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1949.25	2047.10	
5	1945.74	2043.41	
10	1930.43	2027.33	
15	1903.11	1998.66	
20	1863.46	1957.03	
25	1811.08	1902.05	
30	1745.63	1833.34	
35	1666.93	1750.73	
40	1575.08	1654.30	
45	1470.57	1544.61	
50	1354.46	1422.74	
55	1228.43	1290.45	
60	1094.83	1150.25	
65	956.79	1005.41	
70	818.19	860.02	
75	683.72	719.00	
80	558.92	588.20	
85	450.33	474.50	
90	365.32	385.62	
95	310.27	328.18	
100	285.71	302.60	
105	282.81	299.58	
110	288.24	305.23	
115	291.46	308.59	
120	286.77	303.70	
125	272.14	288.48	
130	247.86	263.25	
135	215.63	229.85	
140	178.02	191.07	
145	138.31	150.52	
150	100.72	112.92	
155	71.76	85.12	
160	60.90	75.21	
165	69.11	82.66	
170	83.74	96.43	
175	95.56	107.87	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	100.87	113.07	
185	98.57	110.81	
190	89.10	101.58	
195	74.88	88.03	
200	62.51	76.65	
205	64.77	78.69	
210	87.60	100.14	
215	122.73	134.81	
220	162.18	174.83	
225	201.07	214.80	
230	235.80	250.73	
235	263.52	279.51	
240	282.14	298.88	
245	290.72	307.81	
250	290.21	307.28	
255	284.68	301.52	
260	282.70	299.46	
265	297.08	314.44	
270	339.47	358.64	
275	413.08	435.53	
280	513.13	540.24	
285	632.30	665.09	
290	763.62	802.78	
295	901.18	947.06	
300	1039.95	1092.66	
305	1175.74	1235.16	
310	1305.13	1370.95	
315	1425.44	1497.24	
320	1534.75	1611.97	
325	1631.75	1713.80	
330	1715.75	1801.97	
335	1786.49	1876.23	
340	1844.06	1936.66	
345	1888.75	1983.59	
350	1920.96	2017.39	
355	1941.04	2038.47	

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