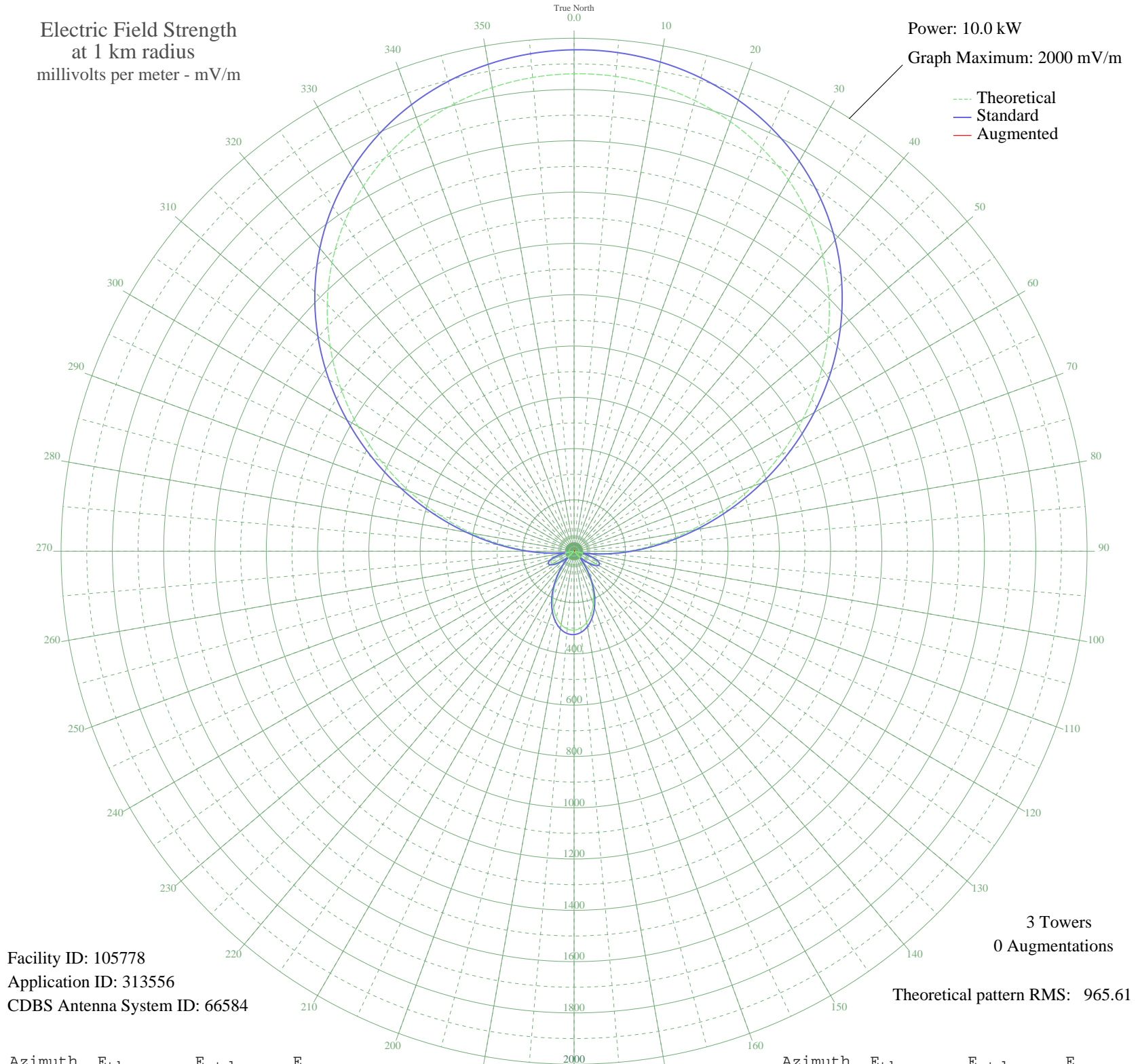


CJCY MEDICINE HAT, AB Canada -- 1390 kHz

Nighttime

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

Power: 10.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 105778
Application ID: 313556
CDBS Antenna System ID: 66584

3 Towers
0 Augmentations

Theoretical pattern RMS: 965.61

Azimuth	E _{theo}	E _{std}	E _{aug}
0	1861.52	1954.93	
5	1858.30	1951.55	
10	1844.27	1936.82	
15	1819.13	1910.42	
20	1782.36	1871.82	
25	1733.36	1820.38	
30	1671.51	1755.45	
35	1596.32	1676.52	
40	1507.54	1583.33	
45	1405.37	1476.08	
50	1290.53	1355.54	
55	1164.38	1223.13	
60	1029.00	1081.05	
65	887.14	932.19	
70	742.19	780.13	
75	598.01	628.94	
80	458.72	483.00	
85	328.44	346.74	
90	211.04	224.49	
95	109.81	120.79	
100	27.31	46.01	
105	34.94	51.39	
110	76.30	87.82	
115	97.31	108.32	
120	99.41	110.41	
125	84.87	96.11	
130	56.55	69.43	
135	17.72	40.51	
140	28.27	46.65	
145	77.92	89.38	
150	128.08	139.22	
155	175.87	188.13	
160	218.79	232.53	
165	254.80	269.95	
170	282.30	298.59	
175	300.13	317.19	

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.

24 Oct 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E _{theo}	E _{std}	E _{aug}
180	307.60	324.97	
185	304.39	321.63	
190	290.64	307.29	
195	266.89	282.54	
200	234.12	248.45	
205	193.74	206.59	
210	147.63	159.13	
215	98.09	109.10	
220	47.87	61.82	
225	0.95	36.00	
230	42.09	56.99	
235	75.02	86.60	
240	95.44	106.48	
245	100.31	111.30	
250	87.08	98.26	
255	53.97	67.13	
260	0.95	36.00	
265	74.45	86.06	
270	168.44	180.49	
275	279.74	295.92	
280	405.30	427.09	
285	541.48	569.69	
290	684.20	719.31	
295	829.33	871.54	
300	972.86	1022.13	
305	1111.20	1167.31	
310	1241.33	1303.89	
315	1360.90	1429.40	
320	1468.26	1542.09	
325	1562.44	1640.95	
330	1643.06	1725.58	
335	1710.19	1796.06	
340	1764.26	1852.83	
345	1805.85	1896.48	
350	1835.57	1927.69	
355	1854.00	1947.03	