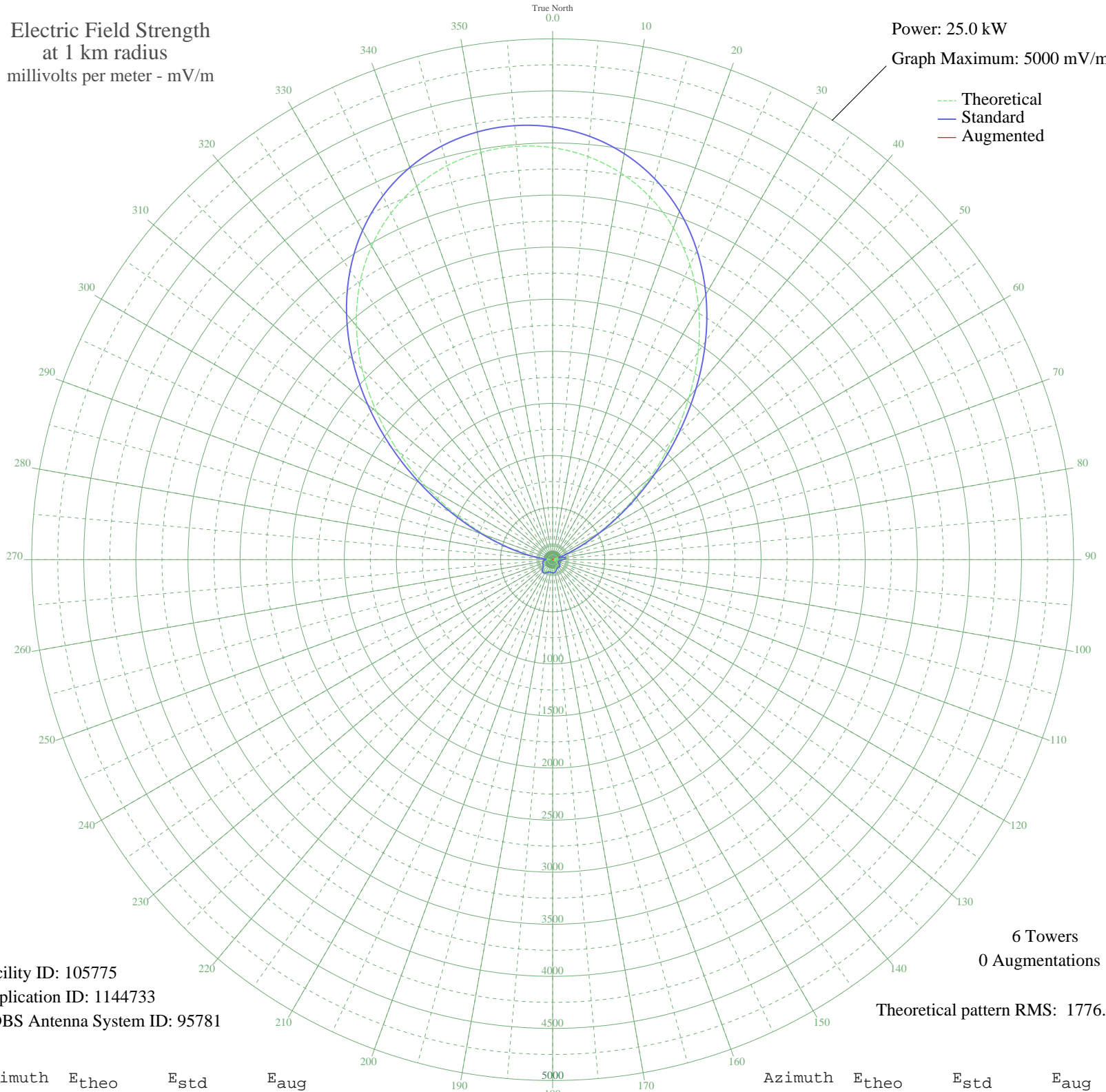


# CKPC BRANTFORD, ON Canada -- 1380 kHz

Nighttime

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

Power: 25.0 kW  
Graph Maximum: 5000 mV/m



--- Theoretical  
— Standard  
— Augmented

Facility ID: 105775  
Application ID: 1144733  
CDBS Antenna System ID: 95781

6 Towers  
0 Augmentations

Theoretical pattern RMS: 1776.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	3954.95	4153.09	
5	3884.45	4079.07	
10	3768.81	3957.67	
15	3604.64	3785.30	
20	3388.84	3558.74	
25	3120.05	3276.55	
30	2800.09	2940.65	
35	2435.33	2557.74	
40	2037.53	2140.17	
45	1623.81	1705.97	
50	1215.54	1277.61	
55	835.91	879.58	
60	506.68	535.10	
65	244.66	263.22	
70	59.41	84.74	
75	55.83	82.01	
80	102.42	121.88	
85	102.59	122.04	
90	76.16	98.40	
95	42.70	72.79	
100	18.84	60.66	
105	12.67	58.87	
110	6.02	57.70	
115	10.04	58.31	
120	31.36	66.13	
125	51.76	79.01	
130	66.42	90.29	
135	73.15	95.86	
140	72.88	95.63	
145	69.46	92.78	
150	68.46	91.96	
155	73.62	96.25	
160	83.70	104.94	
165	94.66	114.75	
170	103.05	122.46	
175	107.10	126.23	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	106.72	125.87	
185	103.48	122.86	
190	100.60	120.19	
195	101.89	121.38	
200	109.20	128.20	
205	120.46	138.88	
210	131.00	149.02	
215	136.14	154.02	
220	133.04	151.00	
225	121.67	140.03	
230	105.47	124.71	
235	90.70	111.17	
240	82.70	104.06	
245	80.49	102.13	
250	79.02	100.86	
255	76.31	98.54	
260	72.52	95.32	
265	61.39	86.27	
270	30.32	65.59	
275	62.28	86.98	
280	200.13	217.82	
285	409.33	433.60	
290	687.75	724.41	
295	1025.50	1078.30	
300	1405.51	1476.90	
305	1806.57	1897.76	
310	2206.72	2317.76	
315	2586.32	2716.24	
320	2930.10	3077.14	
325	3228.04	3389.93	
330	3475.17	3649.38	
335	3670.59	3854.55	
340	3816.13	4007.34	
345	3914.84	4110.98	
350	3969.78	4168.66	
355	3982.98	4182.52	

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.

14 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission