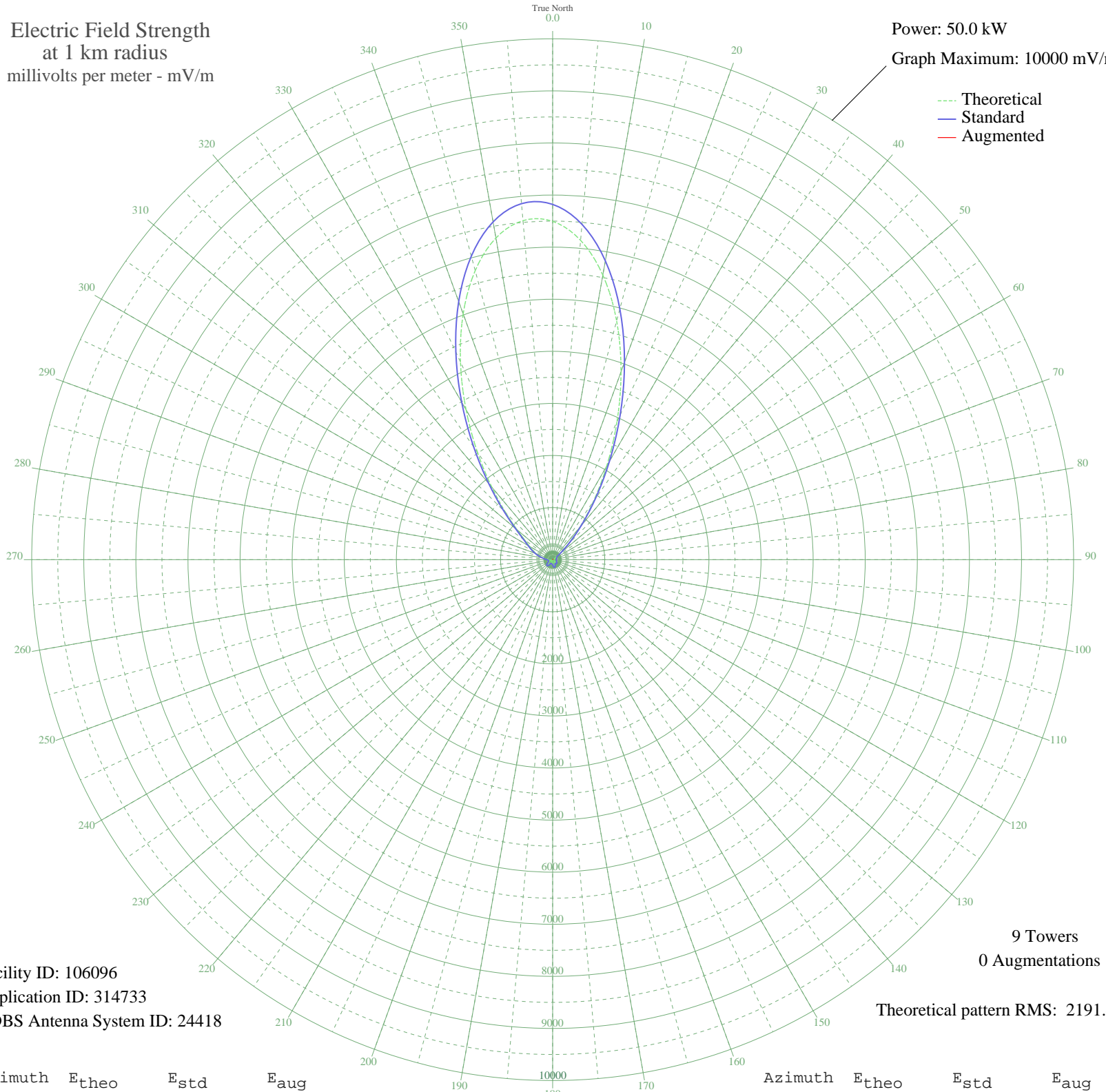


# CJCL TORONTO, ON Canada -- 590 kHz

Unlimited Time

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

Power: 50.0 kW  
Graph Maximum: 10000 mV/m



Facility ID: 106096  
Application ID: 314733  
CDBS Antenna System ID: 24418

9 Towers  
0 Augmentations

Theoretical pattern RMS: 2191.47

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	6495.65	6820.84	
5	6154.33	6462.48	
10	5547.58	5825.44	
15	4745.49	4983.32	
20	3838.36	4030.96	
25	2920.59	3067.52	
30	2074.95	2179.97	
35	1360.71	1430.68	
40	808.18	851.83	
45	420.01	447.22	
50	178.52	201.62	
55	60.61	97.79	
60	45.87	88.50	
65	45.60	88.34	
70	32.36	81.65	
75	16.05	76.14	
80	9.30	74.89	
85	15.34	75.97	
90	19.65	77.06	
95	19.73	77.08	
100	15.41	75.99	
105	7.75	74.69	
110	11.33	75.19	
115	27.99	79.85	
120	46.97	89.13	
125	63.93	100.09	
130	74.20	107.62	
135	73.53	107.12	
140	60.46	97.69	
145	42.29	86.51	
150	48.29	89.91	
155	81.15	113.02	
160	112.76	139.75	
165	128.57	154.07	
170	122.50	148.51	
175	96.29	125.44	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	60.40	97.64	
185	36.97	83.78	
190	41.09	85.87	
195	41.11	85.88	
200	21.01	77.45	
205	18.46	76.74	
210	63.45	99.76	
215	103.67	131.76	
220	128.65	154.14	
225	133.77	158.87	
230	120.66	146.85	
235	95.79	125.01	
240	67.47	102.62	
245	42.95	86.87	
250	27.23	79.56	
255	24.81	78.68	
260	34.76	82.73	
265	52.31	92.35	
270	79.09	111.40	
275	120.51	146.71	
280	179.56	202.63	
285	253.61	276.45	
290	335.88	360.40	
295	420.88	448.12	
300	515.33	546.16	
305	651.79	688.39	
310	886.84	934.14	
315	1269.68	1335.23	
320	1817.11	1909.41	
325	2515.16	2641.97	
330	3325.09	3492.14	
335	4186.49	4396.44	
340	5021.77	5273.38	
345	5744.45	6032.13	
350	6270.95	6584.92	
355	6534.11	6861.22	

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.

09 Nov 2008

Prepared by Audio Division, Media Bureau  
Federal Communications Commission