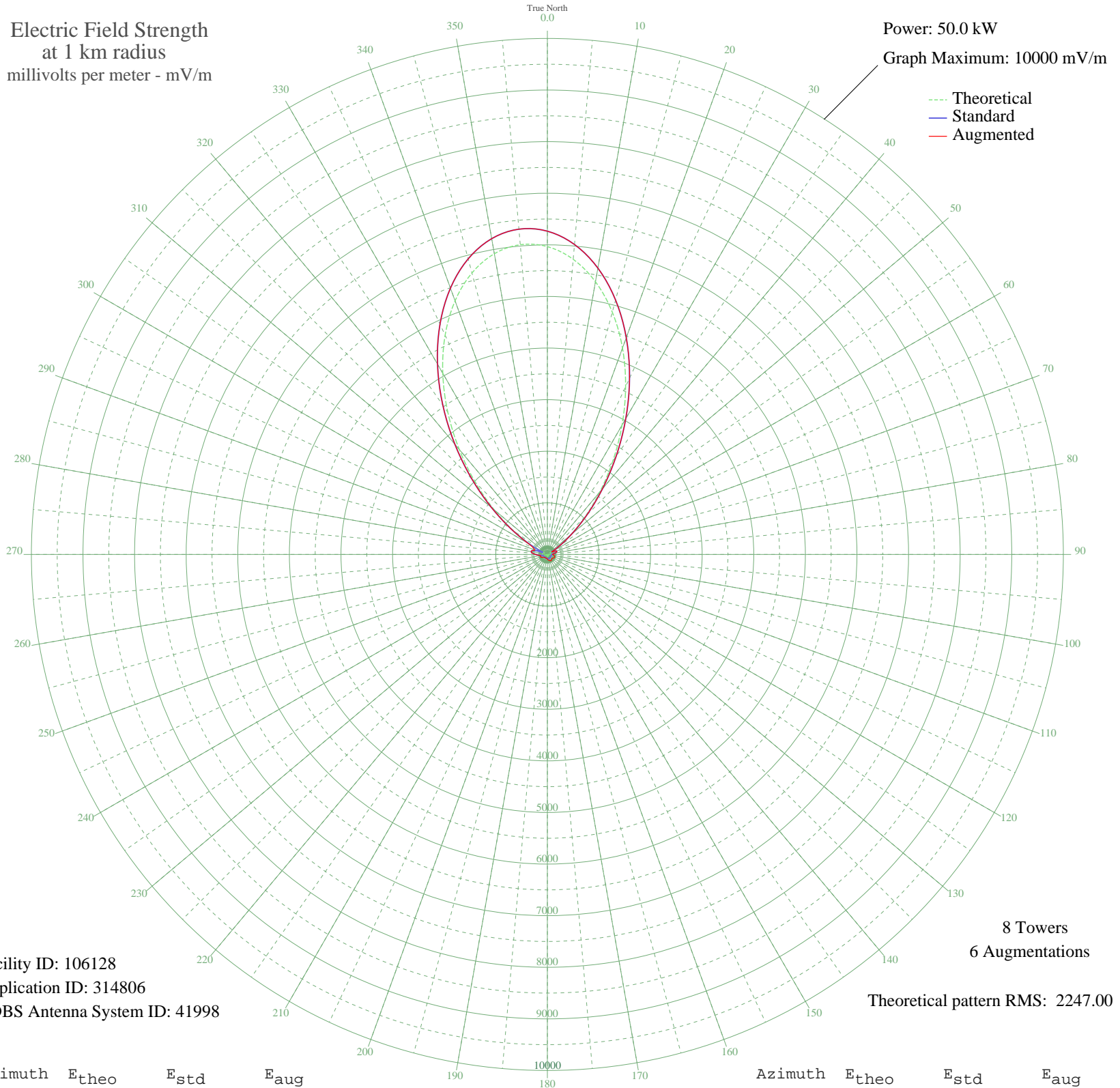


# CFMJ RICHMOND HILL, ON Canada -- 640 kHz

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: 106128  
Application ID: 314806  
CDBS Antenna System ID: 41998

8 Towers  
6 Augmentations

Theoretical pattern RMS: 2247.00

Azimuth	Etheo	Estd	Eaug
0	5966.31	6265.07	6265.07
5	5742.17	6029.74	6029.74
10	5366.81	5635.64	5635.64
15	4862.01	5105.65	5105.65
20	4257.25	4470.73	4470.73
25	3587.92	3768.05	3768.05
30	2892.97	3038.53	3038.53
35	2211.80	2323.58	2323.58
40	1580.90	1661.61	1661.61
45	1030.54	1084.62	1084.62
50	582.11	615.71	615.71
55	247.42	270.20	270.20
60	54.59	93.80	93.80
65	125.75	151.48	151.48
70	170.49	193.80	193.80
75	161.53	185.14	185.14
80	120.74	146.92	146.92
85	69.13	103.83	109.02
90	23.21	78.14	101.14
95	12.92	75.47	118.07
100	26.56	79.31	136.59
105	27.15	79.53	147.34
110	21.25	77.53	150.00
115	19.72	77.08	146.03
120	24.75	78.66	136.22
125	29.01	80.25	124.70
130	30.35	80.80	117.80
135	30.81	80.99	118.82
140	32.14	81.56	127.80
145	33.29	82.06	137.03
150	32.71	81.81	140.00
155	31.52	81.29	136.57
160	33.14	82.00	128.08
165	38.26	84.42	116.54
170	43.04	86.92	109.47
175	43.47	87.16	104.23

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	38.03	84.30	91.15
185	28.00	79.86	79.86
190	17.55	76.50	76.50
195	13.30	75.55	75.55
200	14.46	75.78	75.78
205	12.93	75.48	75.48
210	7.78	74.69	74.69
215	10.21	75.02	75.02
220	19.77	77.09	77.09
225	26.63	79.34	80.67
230	27.73	79.75	86.82
235	23.46	78.23	93.52
240	17.14	76.40	110.12
245	11.79	75.27	131.77
250	10.94	75.13	140.68
255	33.07	81.97	134.47
260	77.14	109.87	133.42
265	138.27	163.06	169.13
270	206.85	229.53	231.08
275	266.67	289.68	289.75
280	296.11	319.65	319.65
285	270.83	293.90	293.90
290	168.75	192.12	263.45
295	72.74	106.52	300.00
300	369.61	395.13	434.31
305	801.53	844.88	844.88
310	1341.81	1410.86	1410.86
315	1969.64	2069.45	2069.45
320	2655.60	2789.37	2789.37
325	3363.73	3532.69	3532.69
330	4054.64	4258.02	4258.02
335	4688.95	4923.96	4923.96
340	5230.30	5492.32	5492.32
345	5647.86	5930.71	5930.71
350	5918.14	6214.49	6214.49
355	6026.20	6327.95	6327.95