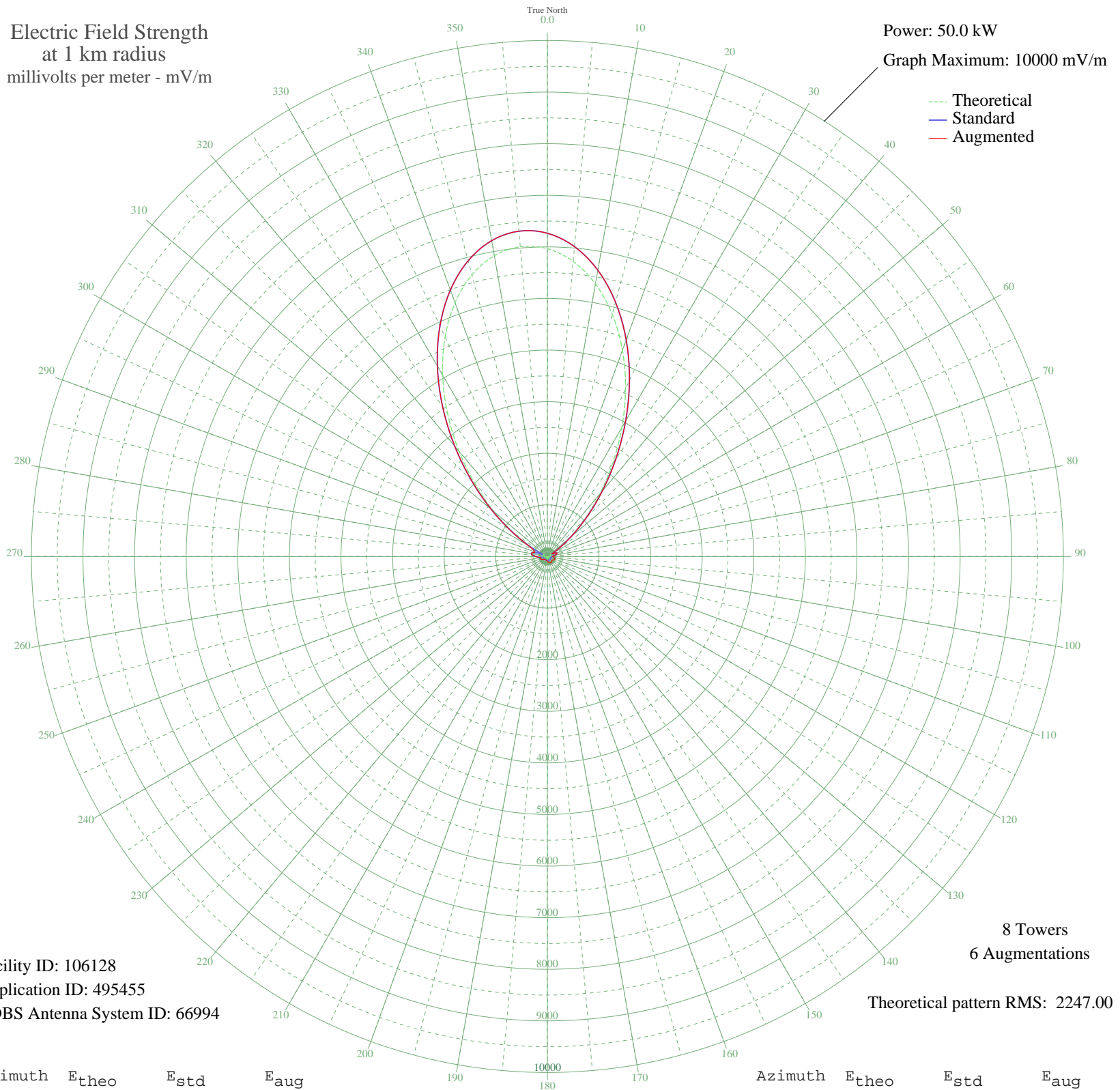


CFMJ RICHMOND HILL, ON Canada -- 640 kHz

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: 495455
CDBS Antenna System ID: 66994

8 Towers
6 Augmentations
Theoretical pattern RMS: 2247.00

Azimuth	Etheo	Estd	Eaug
0	5965.69	6264.41	6264.41
5	5740.62	6028.11	6028.11
10	5364.38	5633.09	5633.09
15	4858.78	5102.26	5102.26
20	4253.32	4466.60	4466.60
25	3583.43	3763.33	3763.33
30	2888.05	3033.36	3033.36
35	2206.61	2318.13	2318.13
40	1575.62	1656.06	1656.06
45	1025.34	1079.16	1079.16
50	577.22	610.61	610.61
55	243.43	266.16	266.16
60	57.72	95.84	95.84
65	131.47	156.74	156.74
70	175.49	198.66	198.66
75	166.07	189.52	189.52
80	125.00	150.79	150.79
85	73.36	106.99	112.09
90	28.32	79.98	102.79
95	14.56	75.80	118.68
100	25.13	78.80	136.81
105	24.57	78.60	147.44
110	16.79	76.31	150.00
115	13.62	75.61	145.86
120	19.31	76.96	135.76
125	23.83	78.35	123.94
130	24.98	78.74	116.90
135	25.38	78.88	118.04
140	27.10	79.51	127.32
145	28.76	80.15	136.85
150	28.60	80.09	140.00
155	28.04	79.87	136.68
160	30.90	81.02	128.27
165	37.45	84.02	116.84
170	43.36	87.10	109.66
175	44.67	87.82	104.32

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	39.95	85.28	91.74
185	30.59	80.89	80.89
190	20.60	77.33	77.33
195	15.51	76.01	76.01
200	14.98	75.89	75.89
205	12.23	75.35	75.35
210	4.72	74.41	74.41
215	6.60	74.57	74.57
220	17.14	76.40	76.40
225	23.76	78.32	79.69
230	24.13	78.45	85.73
235	18.78	76.82	92.55
240	11.31	75.19	109.64
245	5.70	74.49	131.81
250	7.22	74.63	140.95
255	31.22	81.16	134.45
260	74.99	108.23	132.33
265	135.66	160.63	166.88
270	203.82	226.53	228.11
275	263.30	286.26	286.33
280	292.49	315.97	315.97
285	267.13	290.15	290.15
290	165.58	189.04	260.41
295	78.83	111.19	300.00
300	375.17	400.86	439.05
305	806.87	850.46	850.46
310	1347.03	1416.33	1416.33
315	1974.71	2074.77	2074.77
320	2660.44	2794.45	2794.45
325	3368.24	3537.43	3537.43
330	4058.71	4262.29	4262.29
335	4692.46	4927.64	4927.64
340	5233.13	5495.29	5495.29
345	5649.92	5932.88	5932.88
350	5919.35	6215.76	6215.76
355	6026.51	6328.27	6328.27