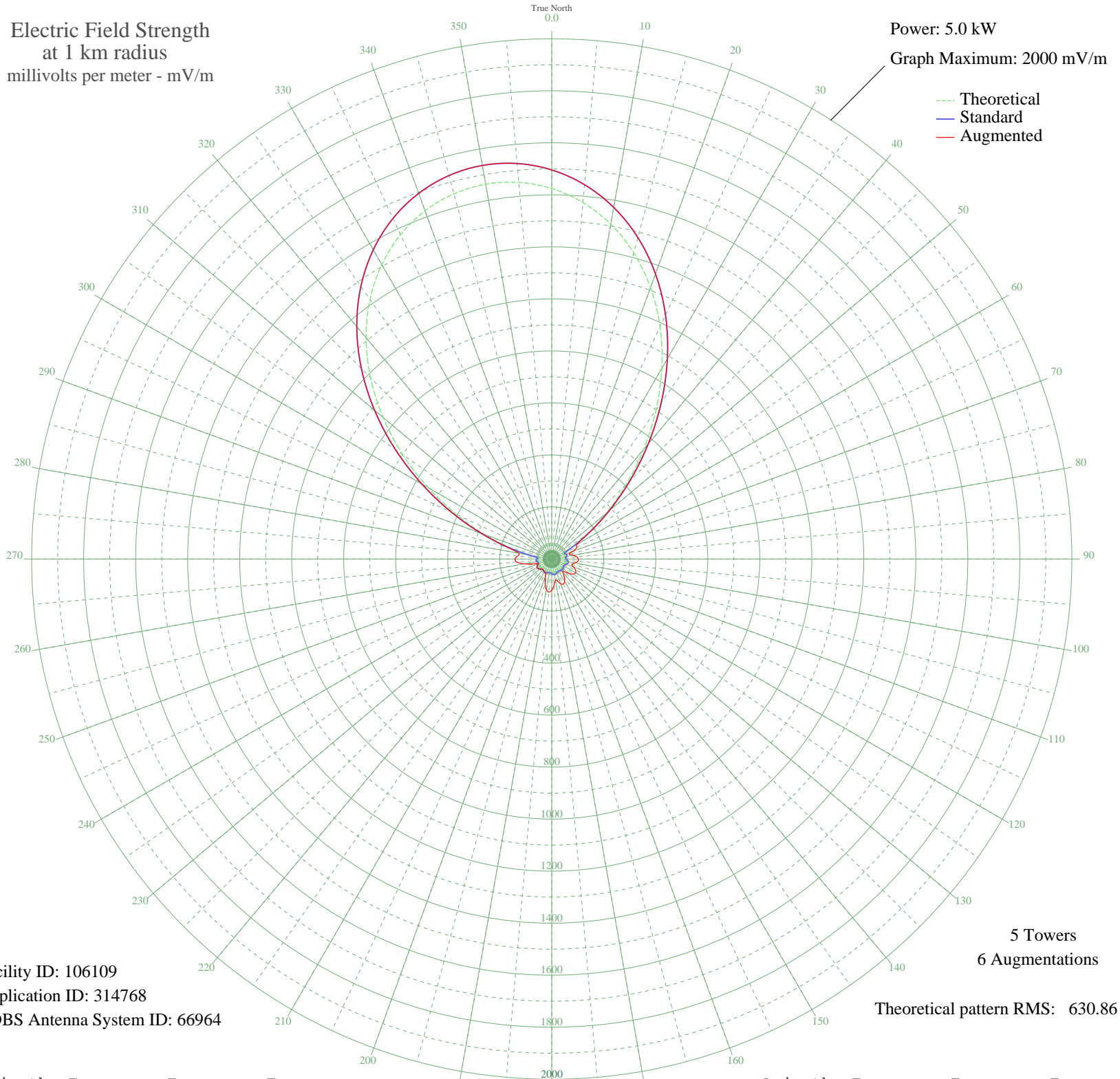


CKTB ST. CATHARINES, ON Canada -- 610 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 106109  
Application ID: 314768  
CDBS Antenna System ID: 66964

5 Towers  
6 Augmentations  
Theoretical pattern RMS: 630.86

Azimuth	Etheo	Estd	Eaug
0	1424.33	1495.79	1495.79
5	1375.63	1444.68	1444.68
10	1306.96	1372.58	1372.58
15	1218.34	1279.55	1279.55
20	1110.54	1166.39	1166.39
25	985.49	1035.13	1035.13
30	846.57	889.33	889.33
35	698.81	734.27	734.27
40	548.78	576.87	576.87
45	404.15	425.25	425.25
50	273.04	288.01	288.01
55	163.28	173.63	173.63
60	82.78	91.17	111.60
65	44.62	54.32	106.00
70	47.58	57.03	85.99
75	52.00	61.13	69.50
80	48.04	57.44	83.88
85	43.26	53.09	95.90
90	45.47	55.09	102.50
95	52.16	61.28	100.66
100	56.53	65.42	89.53
105	55.62	64.54	80.59
110	50.52	59.75	88.25
115	45.02	54.69	100.95
120	43.07	52.92	106.00
125	45.03	54.69	100.95
130	47.81	57.23	86.56
135	48.68	58.04	67.85
140	47.10	56.59	66.48
145	44.46	54.18	84.21
150	43.05	52.91	99.47
155	44.34	54.06	106.00
160	47.56	57.00	101.71
165	50.65	59.87	87.98
170	51.89	61.03	82.99
175	50.65	59.87	101.12

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	47.56	57.00	120.78
185	44.34	54.06	127.30
190	43.05	52.91	118.90
195	44.46	54.18	97.86
200	47.10	56.59	71.74
205	48.68	58.04	58.04
210	47.81	57.23	57.23
215	45.03	54.69	54.69
220	43.07	52.92	52.92
225	45.02	54.69	54.69
230	50.52	59.75	59.75
235	55.62	64.54	64.54
240	56.53	65.42	65.42
245	52.16	61.28	61.28
250	45.47	55.09	55.09
255	43.26	53.09	72.60
260	48.04	57.44	108.03
265	52.00	61.13	134.26
270	47.58	57.03	141.40
275	44.62	54.32	131.30
280	82.78	91.17	129.16
285	163.28	173.63	180.56
290	273.04	288.01	288.01
295	404.15	425.25	425.25
300	548.78	576.87	576.87
305	698.81	734.27	734.27
310	846.57	889.33	889.33
315	985.49	1035.13	1035.13
320	1110.54	1166.39	1166.39
325	1218.34	1279.55	1279.55
330	1306.96	1372.58	1372.58
335	1375.63	1444.68	1444.68
340	1424.33	1495.79	1495.79
345	1453.33	1526.24	1526.24
350	1462.95	1536.34	1536.34
355	1453.33	1526.24	1526.24