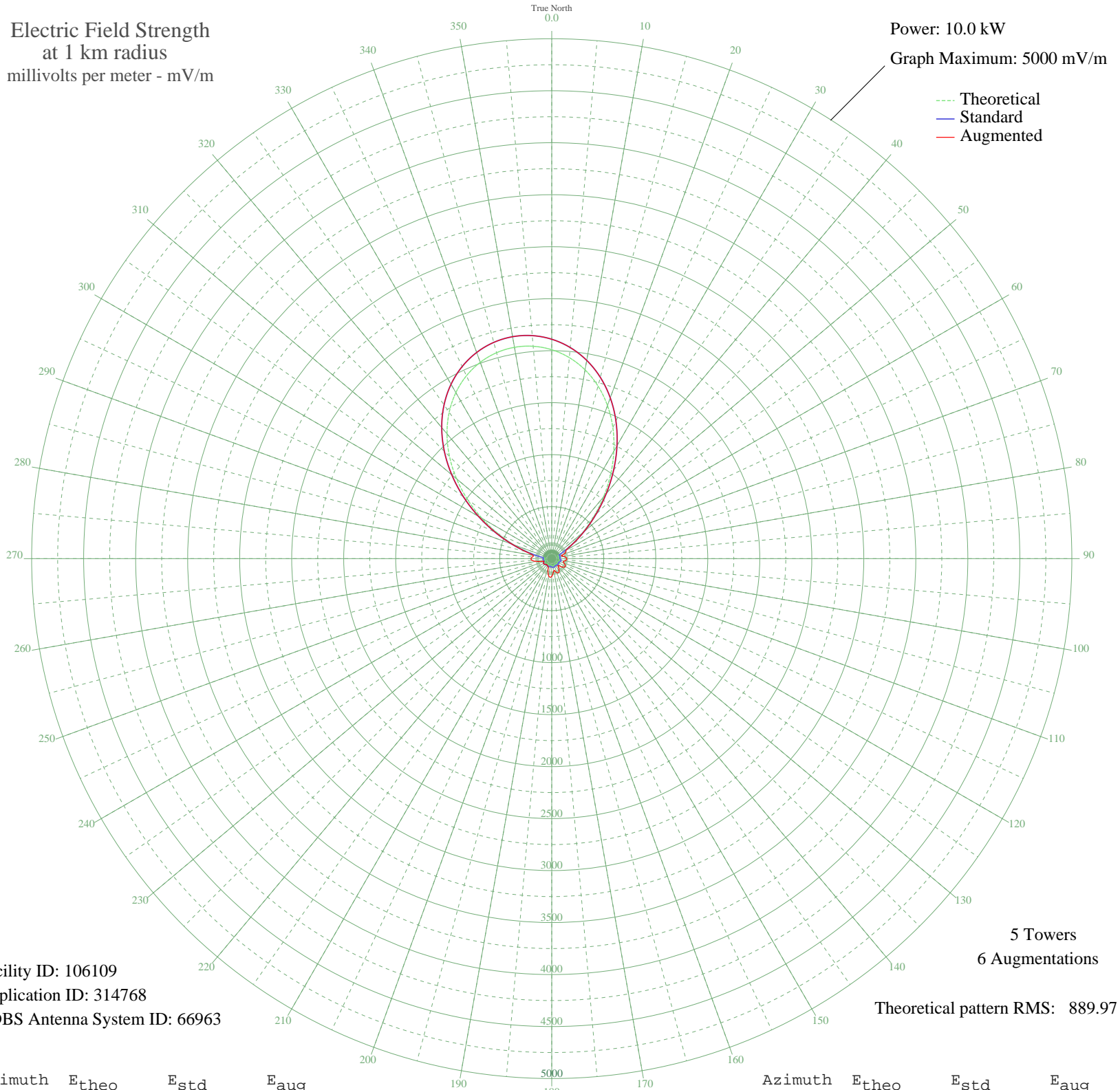


CKTB ST. CATHARINES, ON Canada -- 610 kHz

Daytime

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

Power: 10.0 kW
Graph Maximum: 5000 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 106109
Application ID: 314768
CDBS Antenna System ID: 66963

5 Towers
6 Augmentations

Theoretical pattern RMS: 889.97

Azimuth	E _{theo}	E _{std}	E _{aug}
0	2009.34	2110.16	2110.16
5	1940.65	2038.05	2038.05
10	1843.76	1936.34	1936.34
15	1718.74	1805.09	1805.09
20	1566.67	1645.46	1645.46
25	1390.26	1460.28	1460.28
30	1194.28	1254.59	1254.59
35	985.82	1035.84	1035.84
40	774.16	813.79	813.79
45	570.13	599.89	599.89
50	385.17	406.28	406.28
55	230.32	244.93	244.93
60	116.76	128.59	157.64
65	62.93	76.62	150.00
70	67.14	80.46	121.61
75	73.37	86.25	98.15
80	67.78	81.05	118.58
85	61.03	74.90	135.65
90	64.13	77.71	145.00
95	73.57	86.44	142.35
100	79.74	92.27	126.52
105	78.44	91.04	113.85
110	71.26	84.28	124.76
115	63.51	77.14	142.82
120	60.75	74.65	150.00
125	63.54	77.17	142.84
130	67.45	80.75	122.41
135	68.68	81.88	95.83
140	66.46	79.84	93.90
145	62.73	76.44	119.10
150	60.74	74.64	140.75
155	62.54	76.26	150.00
160	67.08	80.41	143.90
165	71.44	84.45	124.39
170	73.19	86.08	117.24
175	71.44	84.45	142.91

Azimuth	E _{theo}	E _{std}	E _{aug}
180	67.08	80.41	170.75
185	62.54	76.26	180.00
190	60.74	74.64	168.11
195	62.73	76.44	138.33
200	66.46	79.84	101.33
205	68.68	81.88	81.88
210	67.45	80.75	80.75
215	63.54	77.17	77.17
220	60.75	74.65	74.65
225	63.51	77.14	77.14
230	71.26	84.28	84.28
235	78.44	91.04	91.04
240	79.74	92.27	92.27
245	73.57	86.44	86.44
250	64.13	77.71	77.71
255	61.03	74.90	102.57
260	67.78	81.05	152.75
265	73.37	86.25	189.88
270	67.14	80.46	200.00
275	62.93	76.62	185.71
280	116.76	128.59	182.48
285	230.32	244.93	254.75
290	385.17	406.28	406.28
295	570.13	599.89	599.89
300	774.16	813.79	813.79
305	985.82	1035.84	1035.84
310	1194.28	1254.59	1254.59
315	1390.26	1460.28	1460.28
320	1566.67	1645.46	1645.46
325	1718.74	1805.09	1805.09
330	1843.76	1936.34	1936.34
335	1940.65	2038.05	2038.05
340	2009.34	2110.16	2110.16
345	2050.25	2153.11	2153.11
350	2063.83	2167.37	2167.37
355	2050.25	2153.11	2153.11

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