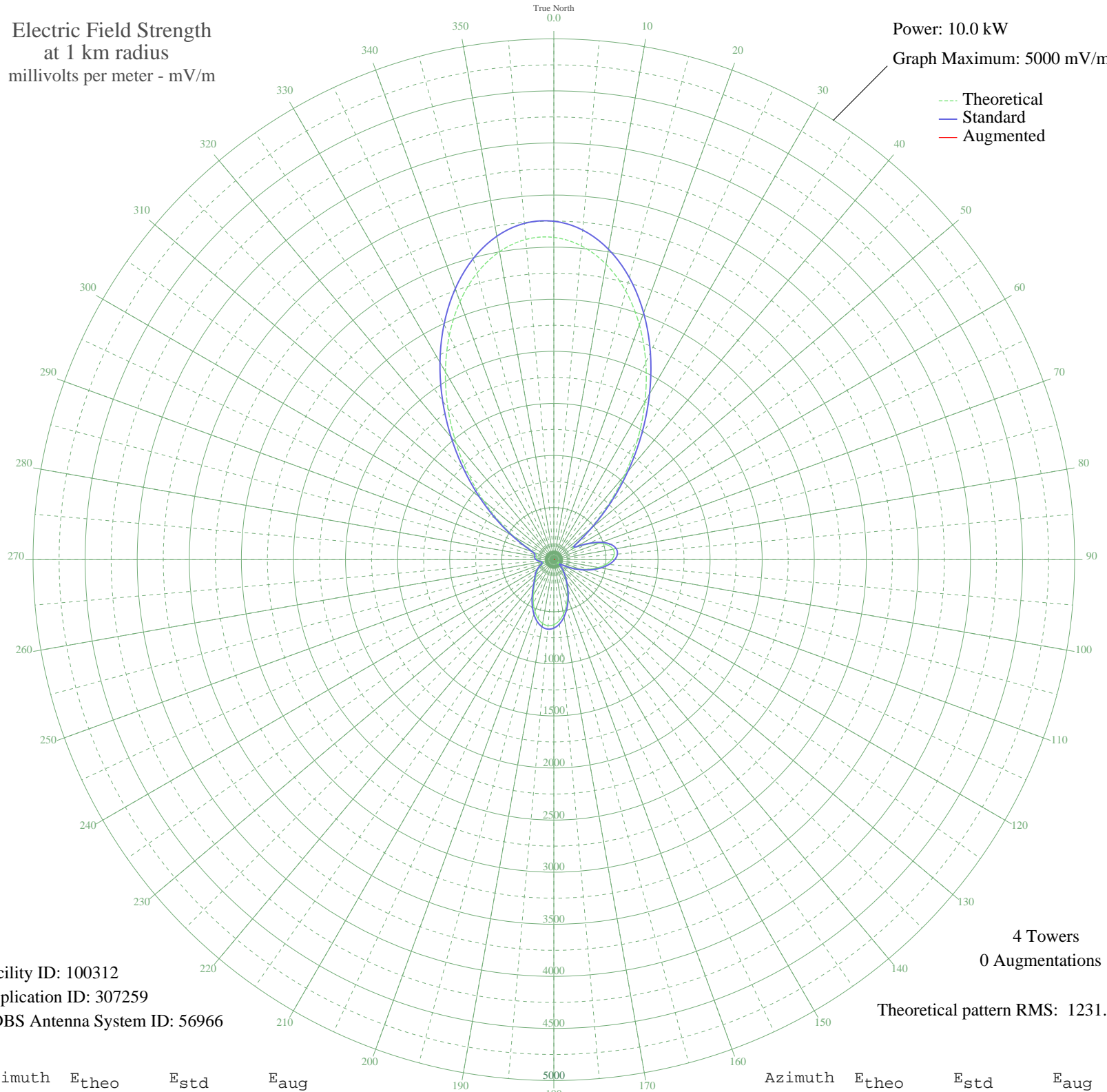


# CKKW KITCHENER, ON Canada -- 1090 kHz

Daytime

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

Power: 10.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 100312  
Application ID: 307259  
CDBS Antenna System ID: 56966

4 Towers  
0 Augmentations

Theoretical pattern RMS: 1231.15

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	3094.00	3249.00	
5	3024.58	3176.12	
10	2880.46	3024.81	
15	2668.71	2802.50	
20	2400.15	2520.55	
25	2088.47	2193.34	
30	1749.19	1837.19	
35	1398.65	1469.26	
40	1053.14	1106.70	
45	728.85	766.59	
50	444.84	469.21	
55	243.30	259.33	
60	232.08	247.74	
65	348.69	368.83	
70	460.39	485.46	
75	537.82	566.47	
80	577.42	607.93	
85	581.63	612.33	
90	555.15	584.61	
95	503.84	530.90	
100	434.12	458.01	
105	352.76	373.08	
110	266.58	283.45	
115	182.34	196.58	
120	107.07	120.95	
125	53.01	71.33	
130	53.39	71.65	
135	88.28	102.87	
140	127.59	141.20	
145	173.54	187.60	
150	231.33	246.95	
155	301.56	319.76	
160	379.92	401.40	
165	459.20	484.22	
170	531.23	559.57	
175	588.36	619.39	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	624.52	657.26	
185	636.04	669.33	
190	622.15	654.78	
195	585.06	615.93	
200	529.80	558.07	
205	463.55	488.77	
210	394.84	416.97	
215	332.12	351.56	
220	281.71	299.14	
225	245.29	261.39	
230	218.83	234.06	
235	195.38	209.95	
240	169.52	183.50	
245	140.31	153.93	
250	113.00	126.76	
255	99.71	113.80	
260	109.62	123.44	
265	133.67	147.28	
270	156.99	170.77	
275	170.49	184.49	
280	172.42	186.45	
285	173.39	187.44	
290	203.48	218.26	
295	292.16	310.00	
300	441.11	465.31	
305	641.07	674.60	
310	883.53	928.78	
315	1159.92	1218.73	
320	1460.16	1533.82	
325	1772.20	1861.35	
330	2082.18	2186.74	
335	2375.04	2494.20	
340	2635.43	2767.56	
345	2848.72	2991.49	
350	3002.17	3152.59	
355	3085.94	3240.55	

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission