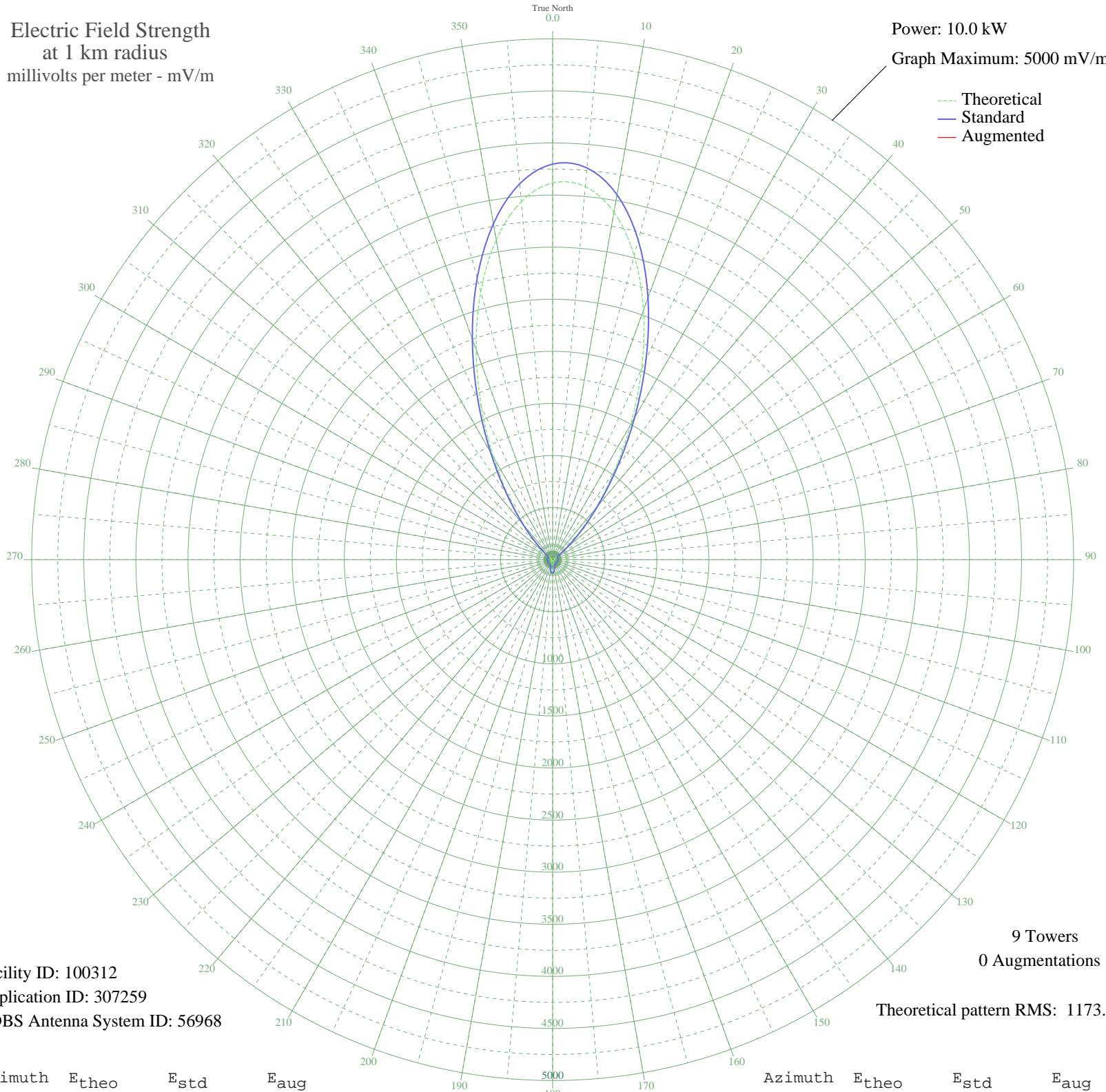


# CKKW KITCHENER, ON Canada -- 1090 kHz

Nighttime

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: 56968

9 Towers  
0 Augmentations

Theoretical pattern RMS: 1173.20

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	3616.36	3797.48	
5	3594.74	3774.78	
10	3387.58	3557.27	
15	3022.74	3174.24	
20	2547.63	2675.43	
25	2019.83	2121.35	
30	1496.60	1572.15	
35	1025.56	1077.88	
40	638.54	672.15	
45	349.54	370.07	
50	156.31	170.86	
55	44.74	66.80	
60	6.07	47.92	
65	17.25	50.83	
70	8.56	48.34	
75	6.05	47.91	
80	17.88	51.07	
85	23.63	53.58	
90	23.55	53.54	
95	20.03	51.94	
100	15.94	50.36	
105	13.40	49.53	
110	13.13	49.45	
115	14.55	49.89	
120	15.96	50.36	
125	15.22	50.11	
130	10.94	48.86	
135	3.71	47.65	
140	6.61	48.00	
145	12.87	49.38	
150	12.40	49.24	
155	2.13	47.54	
160	19.58	51.75	
165	48.59	69.70	
170	79.31	95.86	
175	104.14	119.22	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	116.38	131.10	
185	112.39	127.21	
190	92.99	108.58	
195	63.19	81.60	
200	30.82	57.47	
205	8.67	48.36	
210	19.18	51.59	
215	25.03	54.28	
220	21.25	52.47	
225	12.20	49.19	
230	7.57	48.15	
235	13.18	49.47	
240	17.16	50.79	
245	17.30	50.85	
250	15.03	50.05	
255	12.67	49.32	
260	12.13	49.17	
265	14.08	49.74	
270	17.65	50.98	
275	20.63	52.20	
280	20.29	52.05	
285	14.65	49.92	
290	4.08	47.68	
295	7.17	48.08	
300	9.62	48.55	
305	12.12	49.17	
310	76.82	93.60	
315	206.59	222.06	
320	420.70	444.28	
325	731.01	769.03	
330	1136.61	1194.39	
335	1619.96	1701.62	
340	2145.88	2253.68	
345	2664.44	2798.06	
350	3117.76	3273.99	
355	3449.71	3622.51	

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.

13 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission