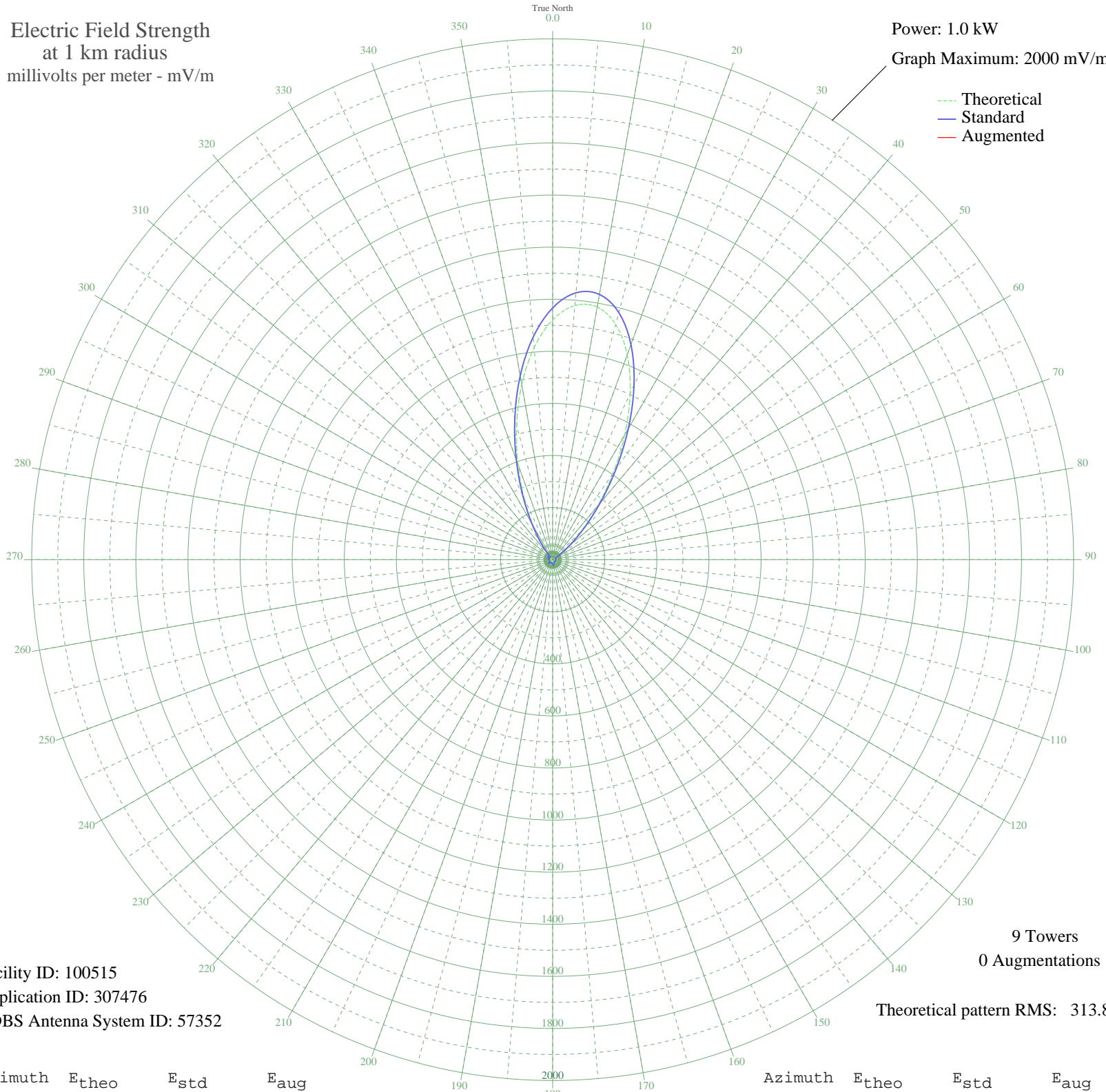


# CKTY SARNIA, ON Canada -- 1110 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 100515  
Application ID: 307476  
CDBS Antenna System ID: 57352

9 Towers  
0 Augmentations

Theoretical pattern RMS: 313.82

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	920.69	966.79	
5	979.61	1028.65	
10	984.92	1034.22	
15	935.20	982.02	
20	837.05	878.98	
25	703.88	739.16	
30	553.19	580.95	
35	403.04	423.34	
40	268.71	282.36	
45	160.26	168.64	
50	81.75	86.55	
55	31.75	35.14	
60	5.09	12.31	
65	5.22	12.38	
70	5.98	12.75	
75	2.70	11.45	
80	1.05	11.15	
85	3.37	11.65	
90	3.97	11.85	
95	3.26	11.61	
100	1.97	11.29	
105	0.77	11.12	
110	0.03	11.09	
115	0.22	11.10	
120	0.17	11.10	
125	0.15	11.09	
130	0.20	11.10	
135	0.28	11.10	
140	0.27	11.10	
145	0.82	11.13	
150	2.73	11.46	
155	5.96	12.74	
160	10.13	15.37	
165	14.34	18.70	
170	17.30	21.28	
175	17.81	21.74	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	15.24	19.47	
185	9.91	15.21	
190	3.24	11.60	
195	2.83	11.49	
200	6.11	12.81	
205	5.48	12.50	
210	1.06	11.15	
215	5.71	12.61	
220	12.47	17.16	
225	16.93	20.95	
230	17.59	21.55	
235	14.30	18.66	
240	8.18	14.03	
245	1.28	11.18	
250	4.37	12.01	
255	6.97	13.29	
260	5.90	12.70	
265	1.58	11.22	
270	4.65	12.12	
275	10.80	15.86	
280	14.87	19.16	
285	15.25	19.48	
290	11.17	16.15	
295	3.11	11.56	
300	7.02	13.32	
305	15.76	19.93	
310	18.25	22.14	
315	8.60	14.30	
320	19.39	23.19	
325	71.21	75.59	
330	150.46	158.37	
335	257.49	270.59	
340	388.40	407.97	
345	534.51	561.34	
350	682.73	716.95	
355	817.00	857.92	

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