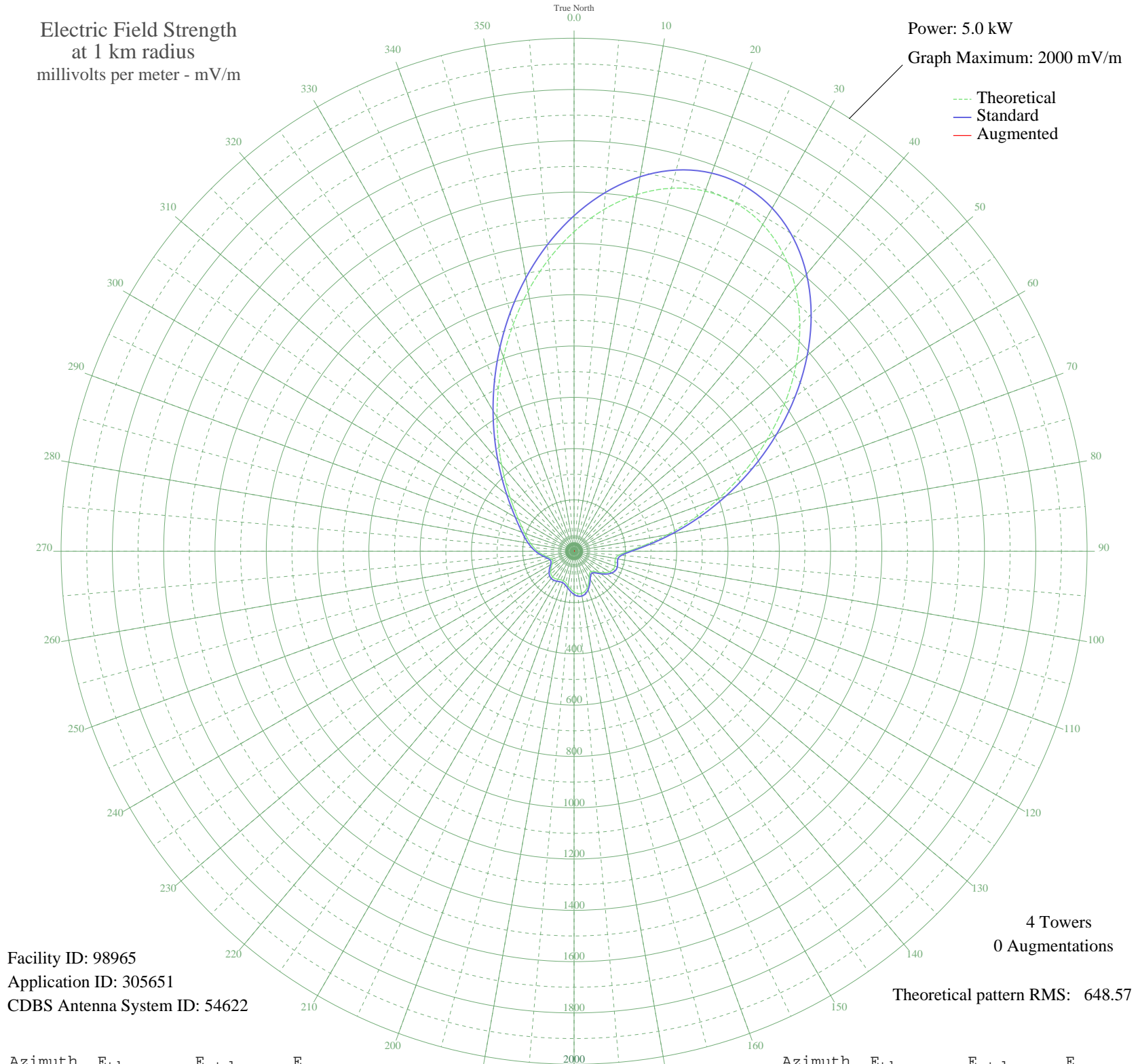


# CKCY SAULT STE. MARIE, ON Canada -- 920 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 98965  
Application ID: 305651  
CDBS Antenna System ID: 54622

4 Towers  
0 Augmentations

Theoretical pattern RMS: 648.57

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1245.58	1308.07	
5	1337.23	1404.29	
10	1411.78	1482.56	
15	1465.08	1538.51	
20	1493.86	1568.73	
25	1496.04	1571.02	
30	1470.88	1544.60	
35	1419.05	1490.19	
40	1342.57	1409.90	
45	1244.69	1307.14	
50	1129.63	1186.34	
55	1002.29	1052.67	
60	867.98	911.68	
65	732.11	769.08	
70	600.00	630.44	
75	476.77	501.16	
80	367.41	386.51	
85	277.15	291.96	
90	211.57	223.40	
95	174.83	185.09	
100	163.61	173.41	
105	165.77	175.66	
110	169.38	179.41	
115	168.07	178.04	
120	159.91	169.56	
125	145.73	154.83	
130	128.24	136.71	
135	111.99	119.94	
140	102.92	110.62	
145	105.33	113.09	
150	117.75	125.87	
155	134.55	143.23	
160	150.43	159.71	
165	161.94	171.67	
170	167.28	177.23	
175	166.01	175.91	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	158.93	168.54	
185	147.99	157.18	
190	136.12	144.86	
195	126.67	135.09	
200	122.18	130.45	
205	122.85	131.14	
210	126.44	134.85	
215	129.75	138.27	
220	130.22	138.75	
225	126.56	134.97	
230	118.86	127.02	
235	108.54	116.39	
240	98.28	105.87	
245	91.65	99.09	
250	91.71	99.15	
255	99.00	106.60	
260	111.39	119.32	
265	126.15	134.55	
270	141.44	150.38	
275	156.47	165.98	
280	171.36	181.48	
285	186.89	197.65	
290	204.28	215.79	
295	225.04	237.47	
300	250.89	264.49	
305	283.62	298.74	
310	325.00	342.06	
315	376.57	396.11	
320	439.52	462.10	
325	514.43	540.67	
330	601.11	631.61	
335	698.50	733.80	
340	804.59	845.14	
345	916.43	962.54	
350	1030.25	1082.02	
355	1141.59	1198.90	

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.

26 Jun 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission