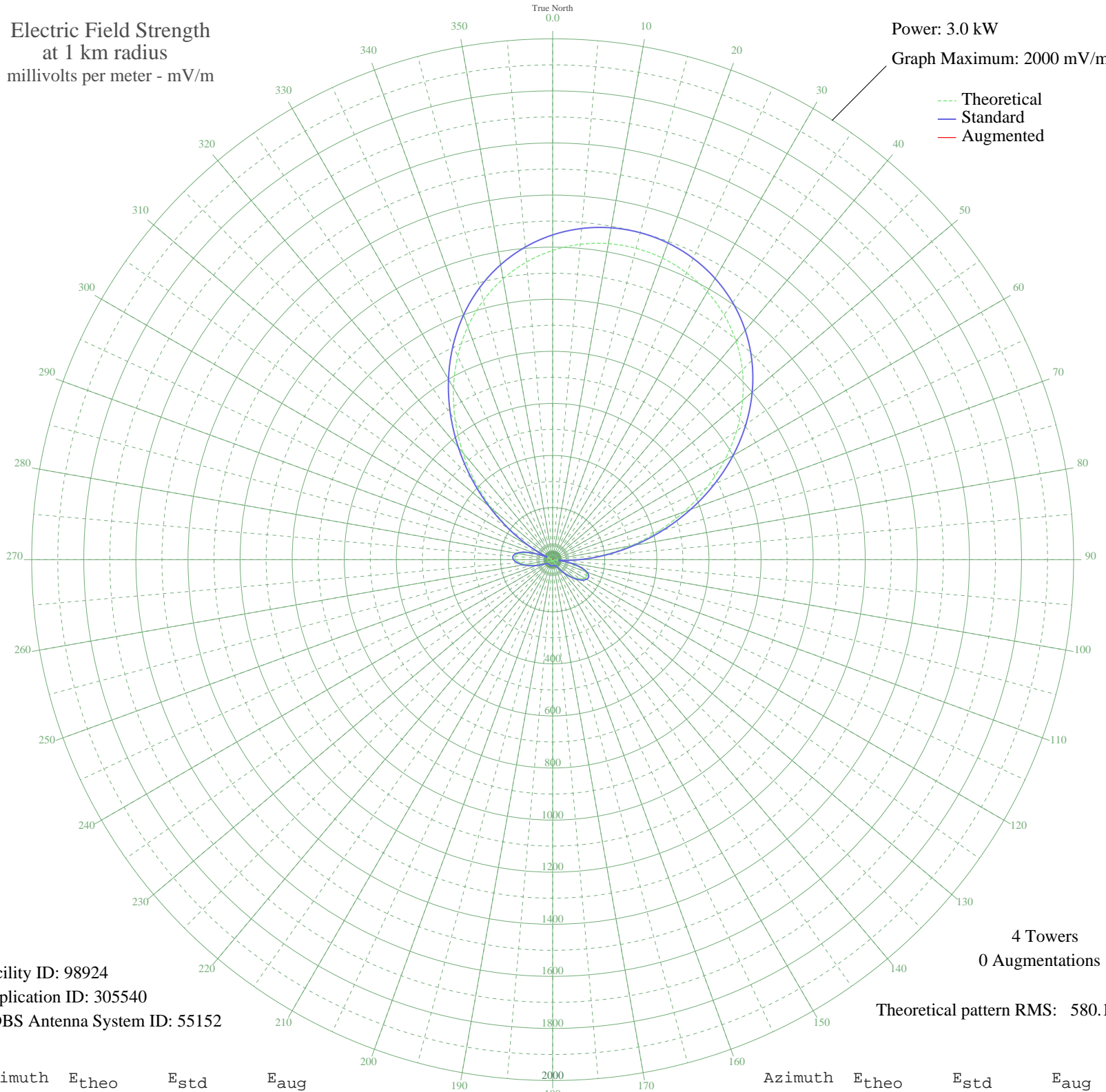


831102 SAULT STE MARIE, ON Canada -- 870 kHz

Nighttime

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

Power: 3.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 98924
Application ID: 305540
CDBS Antenna System ID: 55152

4 Towers
0 Augmentations

Theoretical pattern RMS: 580.12

Azimuth	E _{theo}	E _{std}	E _{aug}
0	1187.45	1247.03	
5	1215.54	1276.51	
10	1232.17	1293.97	
15	1237.67	1299.75	
20	1232.17	1293.97	
25	1215.54	1276.51	
30	1187.45	1247.03	
35	1147.44	1205.03	
40	1095.04	1150.01	
45	1029.92	1081.65	
50	952.11	999.97	
55	862.16	905.56	
60	761.34	799.73	
65	651.72	684.68	
70	536.22	563.49	
75	418.53	440.04	
80	302.88	318.83	
85	193.76	204.71	
90	95.47	102.78	
95	11.71	25.81	
100	54.81	61.87	
105	102.69	110.19	
110	131.96	140.40	
115	144.06	152.95	
120	141.59	150.39	
125	128.01	136.32	
130	107.15	114.78	
135	82.80	89.85	
140	58.29	65.28	
145	36.25	44.32	
150	18.45	29.84	
155	5.75	23.48	
160	1.80	22.77	
165	4.78	23.24	
170	4.20	23.12	
175	1.34	22.74	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	2.53	22.85	
185	6.22	23.62	
190	8.83	24.52	
195	9.77	24.90	
200	8.83	24.52	
205	6.22	23.62	
210	2.53	22.85	
215	1.34	22.74	
220	4.20	23.12	
225	4.78	23.24	
230	1.80	22.77	
235	5.75	23.48	
240	18.45	29.84	
245	36.25	44.32	
250	58.29	65.28	
255	82.80	89.85	
260	107.15	114.78	
265	128.01	136.32	
270	141.59	150.39	
275	144.06	152.95	
280	131.96	140.40	
285	102.69	110.19	
290	54.81	61.87	
295	11.71	25.81	
300	95.47	102.78	
305	193.76	204.71	
310	302.88	318.83	
315	418.53	440.04	
320	536.22	563.49	
325	651.72	684.68	
330	761.34	799.73	
335	862.17	905.56	
340	952.11	999.97	
345	1029.92	1081.65	
350	1095.04	1150.01	
355	1147.44	1205.03	

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission