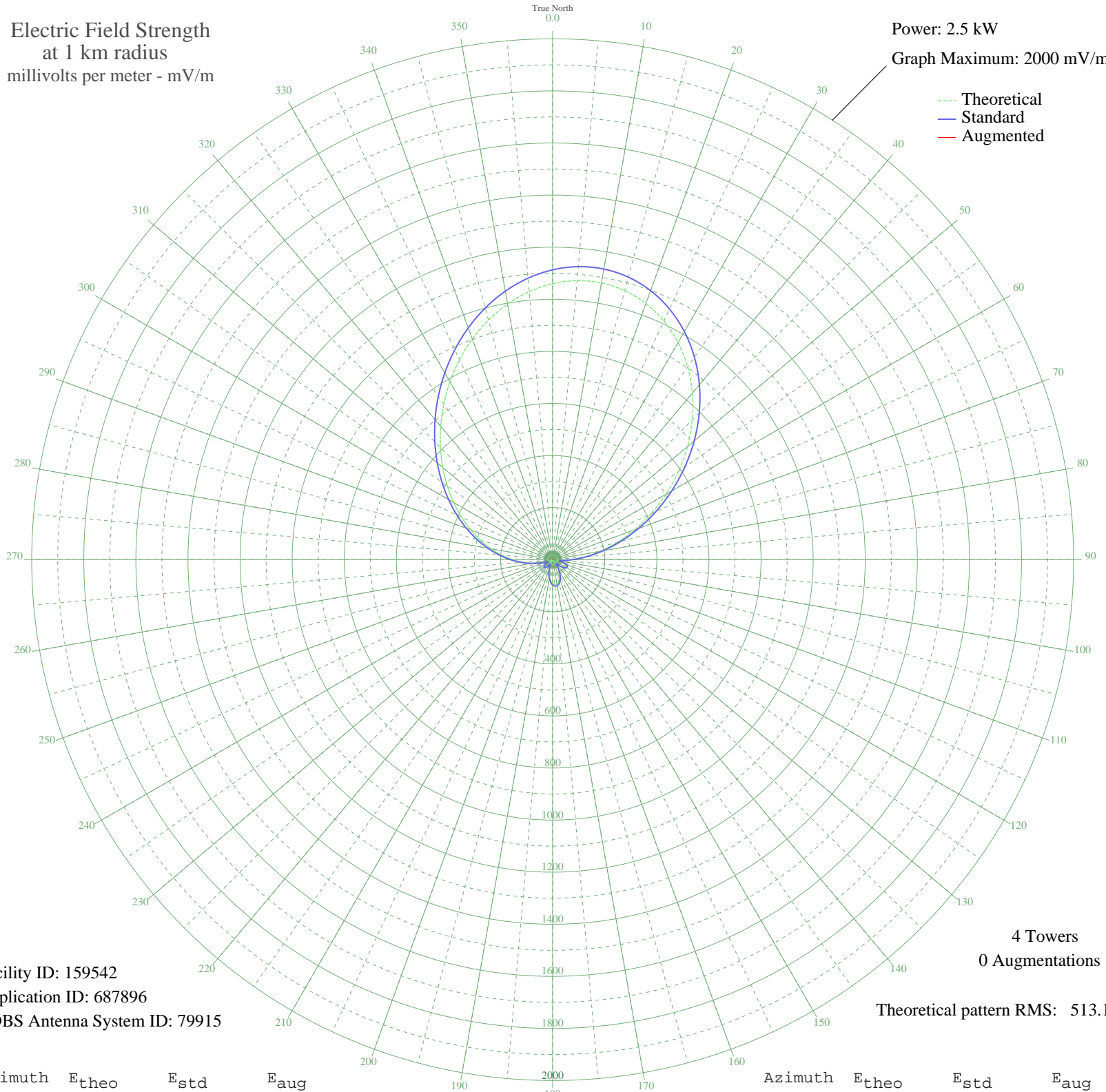


1170TB THUNDER BAY, ON Canada -- 1170 kHz

Nighttime

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

Power: 2.5 kW
Graph Maximum: 2000 mV/m



Facility ID: 159542
Application ID: 687896
CDBS Antenna System ID: 79915

4 Towers
0 Augmentations

Theoretical pattern RMS: 513.10

Azimuth	E _{theo}	E _{std}	E _{aug}
0	1059.82	1112.96	
5	1075.46	1129.38	
10	1078.92	1133.02	
15	1069.46	1123.08	
20	1046.76	1099.25	
25	1011.03	1061.74	
30	962.92	1011.23	
35	903.58	948.94	
40	834.56	876.48	
45	757.74	795.84	
50	675.24	709.24	
55	589.34	619.08	
60	502.35	527.79	
65	416.52	437.73	
70	333.95	351.14	
75	256.56	270.01	
80	185.96	196.12	
85	123.53	131.00	
90	70.45	76.23	
95	28.80	35.40	
100	17.66	26.12	
105	37.23	43.21	
110	51.46	57.08	
115	57.55	63.17	
120	56.00	61.62	
125	47.84	53.50	
130	34.34	40.48	
135	17.04	25.67	
140	5.33	19.24	
145	24.73	31.83	
150	44.94	50.65	
155	63.25	68.92	
160	78.35	84.30	
165	89.21	95.46	
170	95.11	101.55	
175	95.70	102.15	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	90.98	97.29	
185	81.37	87.40	
190	67.62	73.35	
195	50.81	56.43	
200	32.23	38.52	
205	13.34	23.13	
210	4.42	18.98	
215	19.57	27.58	
220	30.90	37.30	
225	37.38	43.35	
230	38.30	44.22	
235	33.22	39.44	
240	22.04	29.57	
245	4.93	19.12	
250	17.80	26.23	
255	45.55	51.24	
260	77.74	83.68	
265	113.77	120.86	
270	153.05	161.75	
275	195.12	205.70	
280	239.62	252.27	
285	286.31	301.19	
290	335.09	352.32	
295	385.90	405.62	
300	438.76	461.06	
305	493.63	518.63	
310	550.40	578.21	
315	608.83	639.54	
320	668.47	702.14	
325	728.65	765.31	
330	788.44	828.07	
335	846.65	889.17	
340	901.85	947.13	
345	952.47	1000.26	
350	996.80	1046.80	
355	1033.12	1084.93	

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