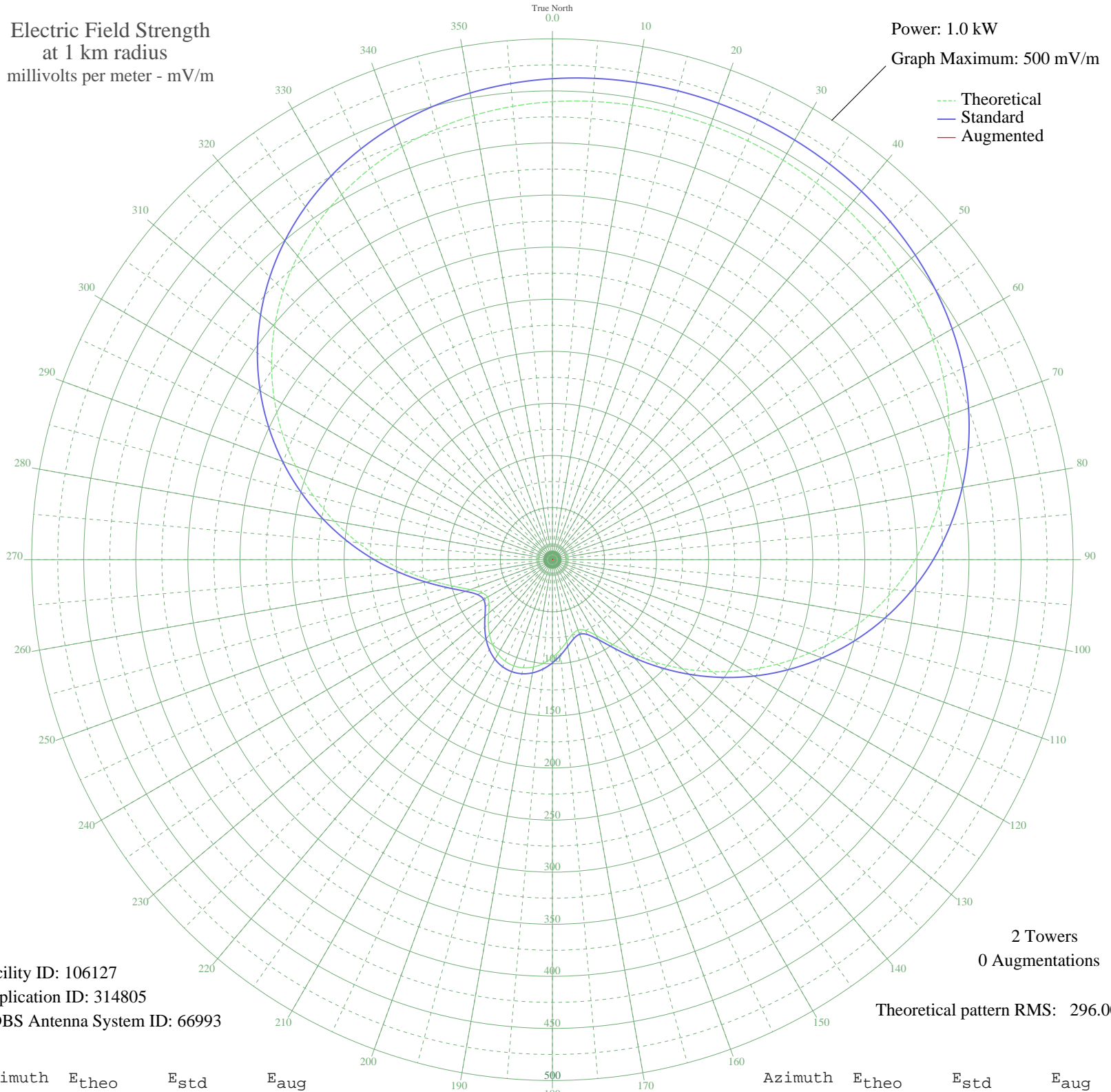


# CFOB FORT FRANCES, ON Canada -- 640 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 500 mV/m



Facility ID: 106127  
Application ID: 314805  
CDBS Antenna System ID: 66993

2 Towers  
0 Augmentations  
Theoretical pattern RMS: 296.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	439.61	461.71	
5	441.59	463.79	
10	442.90	465.16	
15	443.64	465.94	
20	443.89	466.20	
25	443.64	465.94	
30	442.90	465.16	
35	441.59	463.79	
40	439.61	461.71	
45	436.83	458.79	
50	433.08	454.86	
55	428.20	449.73	
60	421.99	443.21	
65	414.26	435.10	
70	404.86	425.23	
75	393.63	413.44	
80	380.47	399.63	
85	365.33	383.75	
90	348.22	365.78	
95	329.20	345.82	
100	308.40	323.99	
105	286.03	300.52	
110	262.38	275.69	
115	237.76	249.87	
120	212.60	223.48	
125	187.37	197.02	
130	162.61	171.07	
135	138.98	146.31	
140	117.28	123.59	
145	98.51	103.97	
150	83.95	88.77	
155	74.89	79.34	
160	71.94	76.26	
165	74.24	78.66	
170	79.88	84.53	
175	86.91	91.85	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	93.90	99.15	
185	99.98	105.50	
190	104.61	110.34	
195	107.49	113.35	
200	108.47	114.38	
205	107.49	113.35	
210	104.61	110.34	
215	99.98	105.50	
220	93.90	99.15	
225	86.91	91.85	
230	79.88	84.53	
235	74.24	78.66	
240	71.94	76.26	
245	74.89	79.34	
250	83.95	88.77	
255	98.51	103.97	
260	117.28	123.59	
265	138.98	146.31	
270	162.61	171.07	
275	187.37	197.02	
280	212.60	223.48	
285	237.76	249.87	
290	262.38	275.69	
295	286.04	300.52	
300	308.40	323.99	
305	329.20	345.82	
310	348.22	365.78	
315	365.33	383.75	
320	380.47	399.63	
325	393.63	413.44	
330	404.86	425.23	
335	414.26	435.10	
340	421.99	443.21	
345	428.20	449.73	
350	433.08	454.86	
355	436.83	458.79	

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