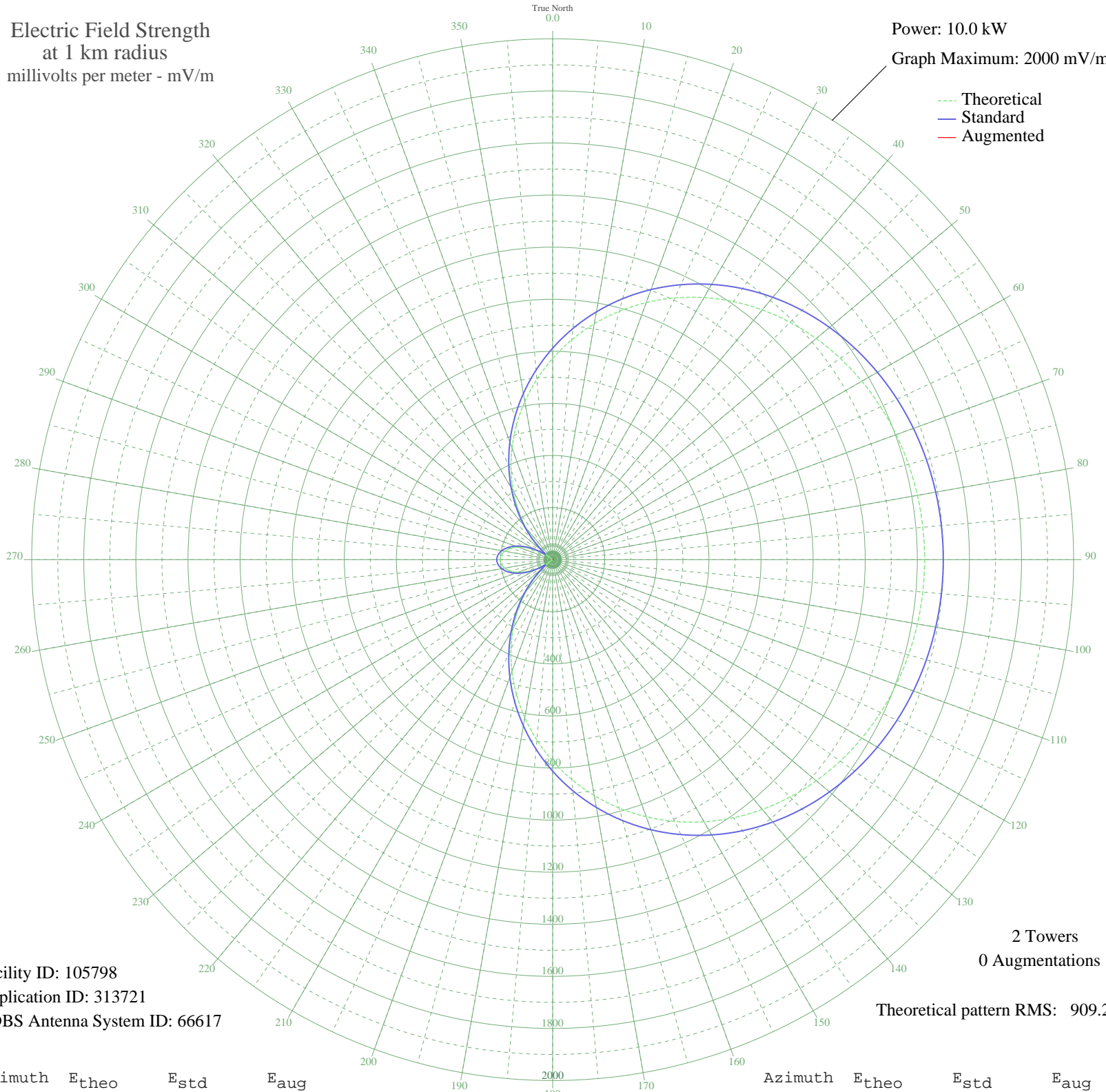


# CIGO PORT HAWKESBURY, NS Canada -- 1410 kHz

Nighttime

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

Power: 10.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 105798  
Application ID: 313721  
CDBS Antenna System ID: 66617

2 Towers  
0 Augmentations

Theoretical pattern RMS: 909.28

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	772.74	812.05	
5	847.79	890.80	
10	919.54	966.09	
15	987.32	1037.22	
20	1050.57	1103.60	
25	1108.87	1164.79	
30	1161.95	1220.50	
35	1209.66	1270.57	
40	1251.97	1314.99	
45	1289.00	1353.85	
50	1320.92	1387.36	
55	1348.00	1415.79	
60	1370.55	1439.47	
65	1388.91	1458.73	
70	1403.38	1473.93	
75	1414.29	1485.38	
80	1421.88	1493.35	
85	1426.36	1498.04	
90	1427.83	1499.59	
95	1426.36	1498.04	
100	1421.88	1493.35	
105	1414.29	1485.38	
110	1403.38	1473.93	
115	1388.91	1458.73	
120	1370.55	1439.47	
125	1348.00	1415.79	
130	1320.92	1387.36	
135	1289.00	1353.85	
140	1251.97	1314.99	
145	1209.66	1270.57	
150	1161.95	1220.50	
155	1108.87	1164.79	
160	1050.57	1103.60	
165	987.32	1037.22	
170	919.54	966.09	
175	847.79	890.80	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	772.74	812.05	
185	695.17	730.69	
190	615.97	647.62	
195	536.04	563.82	
200	456.35	480.31	
205	377.86	398.14	
210	301.51	318.32	
215	228.19	241.89	
220	158.74	169.95	
225	93.90	104.04	
230	34.34	49.02	
235	19.37	38.94	
240	66.76	77.57	
245	107.44	117.60	
250	141.10	151.83	
255	167.51	178.99	
260	186.48	198.60	
265	197.91	210.44	
270	201.72	214.40	
275	197.91	210.44	
280	186.48	198.60	
285	167.51	178.99	
290	141.10	151.83	
295	107.44	117.60	
300	66.76	77.57	
305	19.37	38.94	
310	34.34	49.02	
315	93.91	104.04	
320	158.74	169.95	
325	228.19	241.89	
330	301.51	318.32	
335	377.86	398.14	
340	456.35	480.31	
345	536.04	563.82	
350	615.97	647.62	
355	695.18	730.69	

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.

04 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission