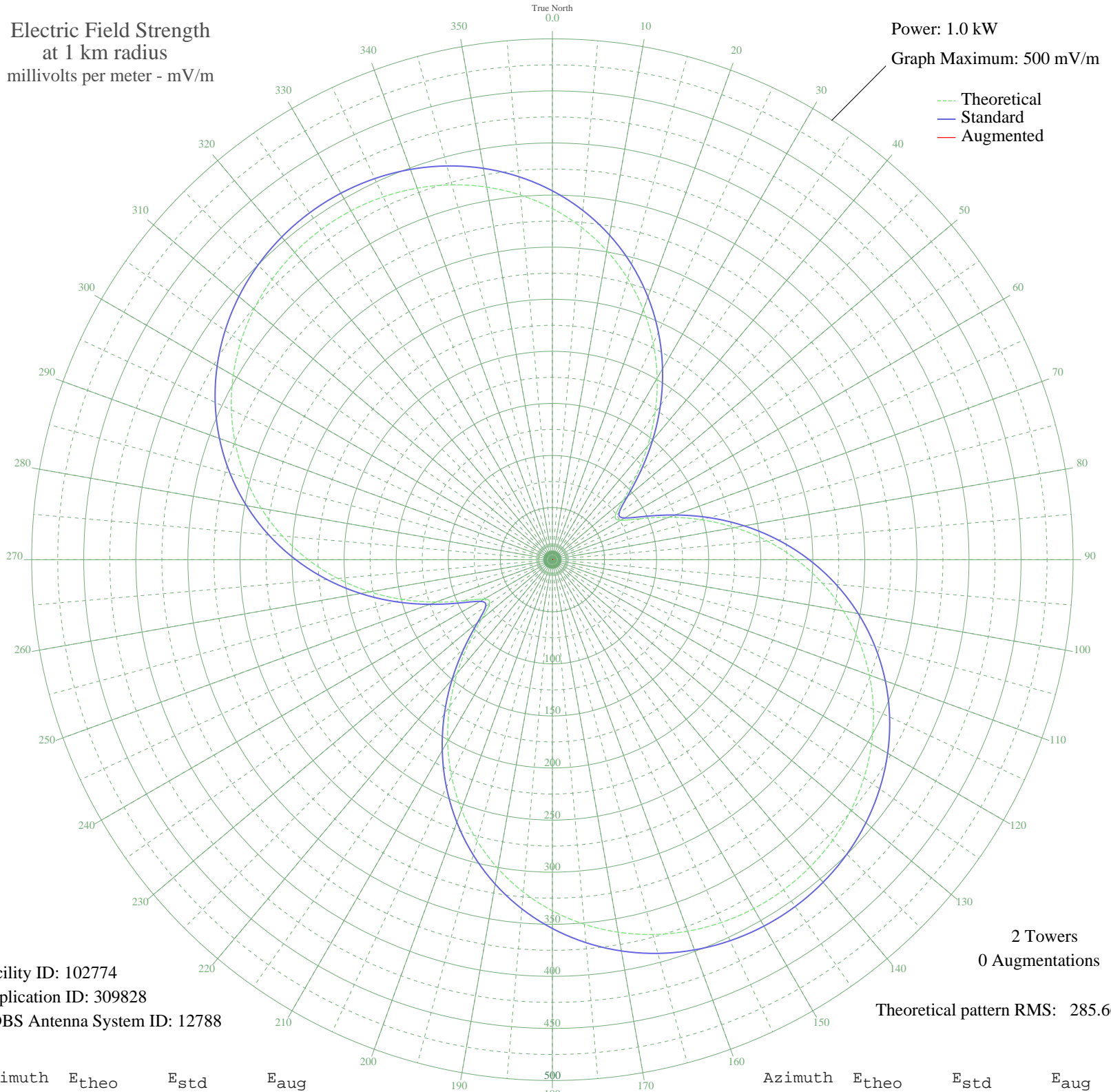


# CJUL CORNWALL, ON Canada -- 1220 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 500 mV/m



Facility ID: 102774  
Application ID: 309828  
CDBS Antenna System ID: 12788

2 Towers  
0 Augmentations

Theoretical pattern RMS: 285.66

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	337.07	354.07	
5	320.31	336.49	
10	301.05	316.28	
15	279.35	293.51	
20	255.32	268.29	
25	229.15	240.84	
30	201.18	211.50	
35	171.91	180.81	
40	142.16	149.64	
45	113.44	119.57	
50	88.68	93.70	
55	73.75	78.14	
60	75.56	80.03	
65	93.08	98.30	
70	118.99	125.38	
75	148.09	155.85	
80	177.83	187.02	
85	206.89	217.49	
90	234.54	246.49	
95	260.30	273.52	
100	283.88	298.26	
105	305.10	320.53	
110	323.86	340.21	
115	340.12	357.28	
120	353.89	371.73	
125	365.20	383.60	
130	374.11	392.96	
135	380.68	399.85	
140	384.95	404.34	
145	386.97	406.45	
150	386.74	406.22	
155	384.28	403.63	
160	379.55	398.67	
165	372.52	391.29	
170	363.13	381.43	
175	351.33	369.05	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	337.07	354.07	
185	320.31	336.49	
190	301.05	316.28	
195	279.35	293.51	
200	255.32	268.29	
205	229.15	240.84	
210	201.18	211.50	
215	171.91	180.81	
220	142.16	149.64	
225	113.44	119.57	
230	88.68	93.70	
235	73.75	78.14	
240	75.56	80.03	
245	93.08	98.30	
250	118.99	125.38	
255	148.09	155.85	
260	177.83	187.02	
265	206.90	217.49	
270	234.54	246.49	
275	260.30	273.52	
280	283.88	298.26	
285	305.10	320.53	
290	323.86	340.21	
295	340.12	357.28	
300	353.89	371.73	
305	365.20	383.60	
310	374.11	392.96	
315	380.68	399.85	
320	384.95	404.34	
325	386.97	406.45	
330	386.74	406.22	
335	384.28	403.63	
340	379.55	398.67	
345	372.52	391.29	
350	363.13	381.43	
355	351.33	369.05	

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