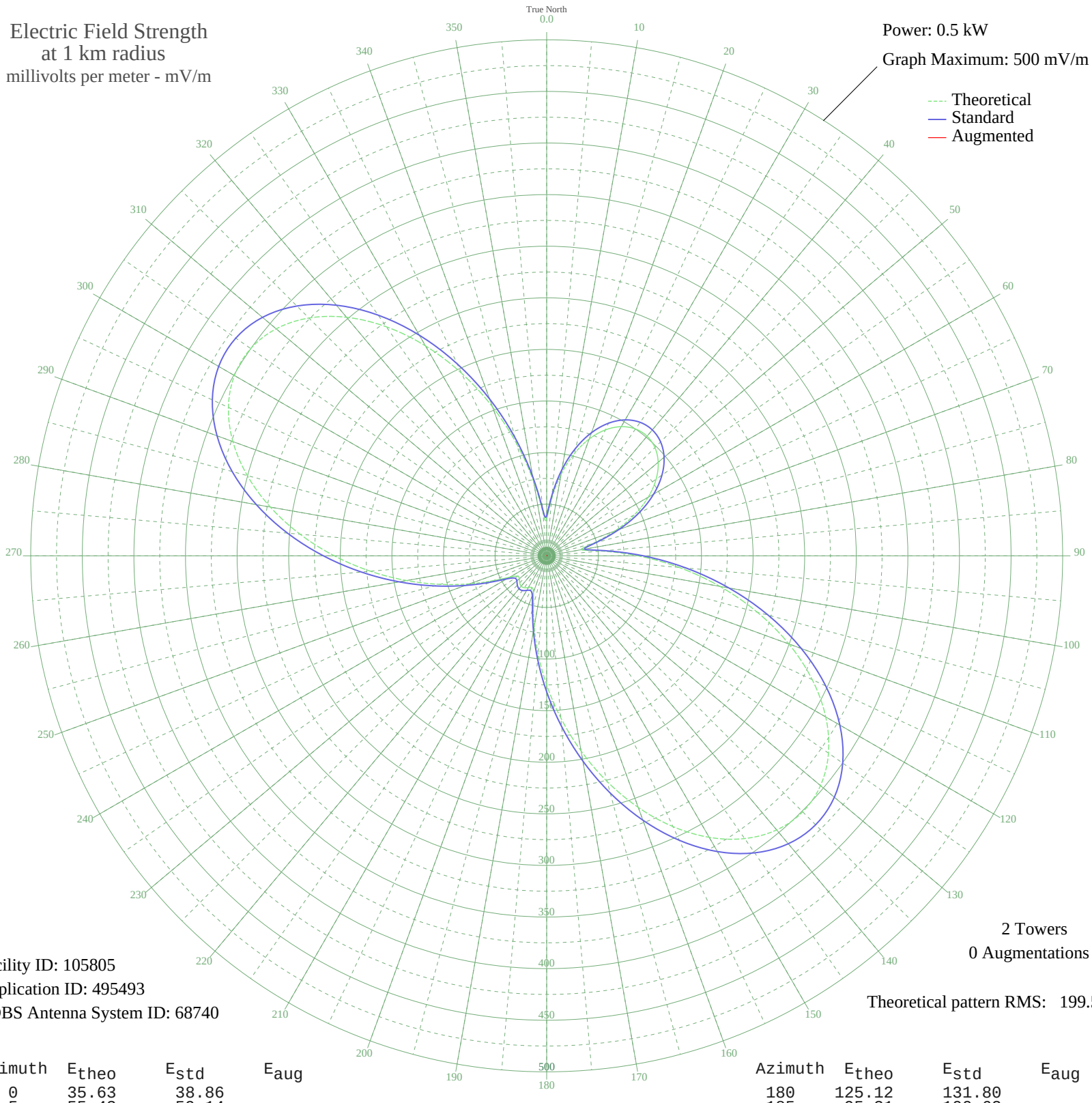
CKTL PLESSISVILLE, QC Canada -- 1420 kHz

Nighttime

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



Power: 0.5 kW

Graph Maximum: 500 mV/m

Theoretical
Standard
Augmented

2 Towers
0 Augmentations

Facility ID: 105805
Application ID: 495493
CDBS Antenna System ID: 68740

Theoretical pattern RMS: 199.56

Azimuth	E_{theo}	E_{std}	E_{aug}
0	35.63	38.86	
5	55.43	59.14	
10	79.90	84.55	
15	102.09	107.71	
20	120.48	126.94	
25	134.65	141.77	
30	144.50	152.09	
35	150.06	157.91	
40	151.34	159.25	
45	148.35	156.12	
50	141.08	148.50	
55	129.49	136.37	
60	113.62	119.76	
65	93.63	98.87	
70	70.22	74.47	
75	46.09	49.52	
80	34.00	37.21	
85	53.23	56.87	
90	88.55	93.57	
95	128.79	135.64	
100	170.46	179.29	
105	211.44	222.26	
110	249.86	262.56	
115	283.99	298.37	
120	312.26	328.04	
125	333.38	350.21	
130	346.41	363.89	
135	350.87	368.56	
140	346.74	364.23	
145	334.48	351.36	
150	314.99	330.90	
155	289.49	304.14	
160	259.44	272.61	
165	226.42	237.97	
170	192.04	201.91	
175	157.80	166.02	
180	125.12	131.80	
185	95.31	100.62	
190	69.66	73.89	
195	49.75	53.28	
200	37.55	40.80	
205	33.86	37.07	
210	35.44	38.67	
215	37.77	41.02	
220	38.43	41.69	
225	36.95	40.20	
230	34.50	37.72	
235	34.43	37.65	
240	41.38	44.70	
245	56.90	60.67	
250	79.33	83.96	
255	106.81	112.64	
260	137.92	145.20	
265	171.38	180.26	
270	205.86	216.40	
275	239.88	252.09	
280	271.90	285.69	
285	300.32	315.51	
290	323.58	339.92	
295	340.31	357.48	
300	349.40	367.02	
305	350.13	367.78	
310	342.21	359.48	
315	325.86	342.31	
320	301.74	317.01	
325	270.95	284.70	
330	234.91	246.88	
335	195.25	205.28	
340	153.77	161.80	
345	112.39	118.47	
350	73.52	77.90	
355	42.39	45.73	

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.

17 Oct 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission