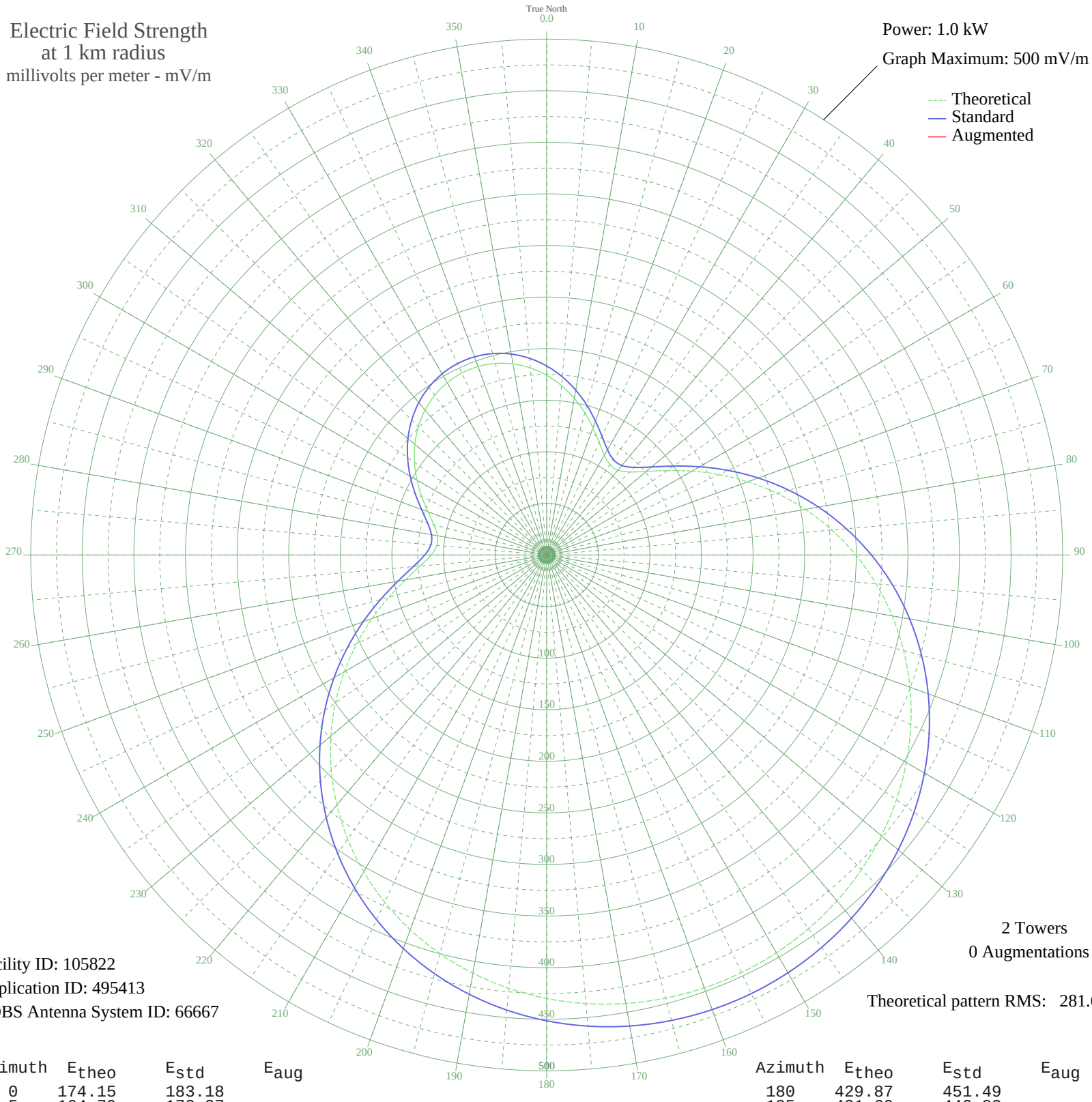
CKEN KENTVILLE, NS Canada -- 1490 kHz

Nighttime

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



Power: 1.0 kW

Graph Maximum: 500 mV/m

Theoretical
Standard
Augmented

2 Towers
0 Augmentations

Facility ID: 105822
Application ID: 495413
CDBS Antenna System ID: 66667

Theoretical pattern RMS: 281.60

Azimuth	E_{theo}	E_{std}	E_{aug}
0	174.15	183.18	
5	164.79	173.37	
10	154.17	162.24	
15	142.74	150.28	
20	131.16	138.15	
25	120.39	126.89	
30	111.77	117.86	
35	106.91	112.79	
40	107.36	113.25	
45	113.84	120.03	
50	125.99	132.74	
55	142.64	150.17	
60	162.50	170.98	
65	184.42	193.95	
70	207.50	218.15	
75	231.04	242.84	
80	254.49	267.43	
85	277.42	291.49	
90	299.48	314.65	
95	320.41	336.61	
100	340.00	357.17	
105	358.09	376.15	
110	374.56	393.44	
115	389.35	408.97	
120	402.43	422.69	
125	413.77	434.59	
130	423.39	444.69	
135	431.32	453.01	
140	437.57	459.58	
145	442.19	464.43	
150	445.20	467.59	
155	446.63	469.08	
160	446.47	468.92	
165	444.73	467.09	
170	441.40	463.60	
175	436.45	458.41	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	429.87	451.49	
185	421.60	442.82	
190	411.64	432.36	
195	399.95	420.09	
200	386.53	406.01	
205	371.40	390.12	
210	354.60	372.49	
215	336.20	353.18	
220	316.33	332.33	
225	295.15	310.10	
230	272.89	286.74	
235	249.83	262.55	
240	226.32	237.89	
245	202.83	213.25	
250	179.92	189.23	
255	158.33	166.61	
260	139.02	146.37	
265	123.15	129.77	
270	112.06	118.17	
275	106.79	112.66	
280	107.50	113.40	
285	113.24	119.41	
290	122.42	129.01	
295	133.45	140.55	
300	145.06	152.71	
305	156.37	164.55	
310	166.77	175.45	
315	175.84	184.96	
320	183.32	192.79	
325	189.01	198.76	
330	192.79	202.72	
335	194.59	204.62	
340	194.39	204.40	
345	192.19	202.09	
350	188.02	197.72	
355	181.96	191.37	

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.

15 Feb 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission