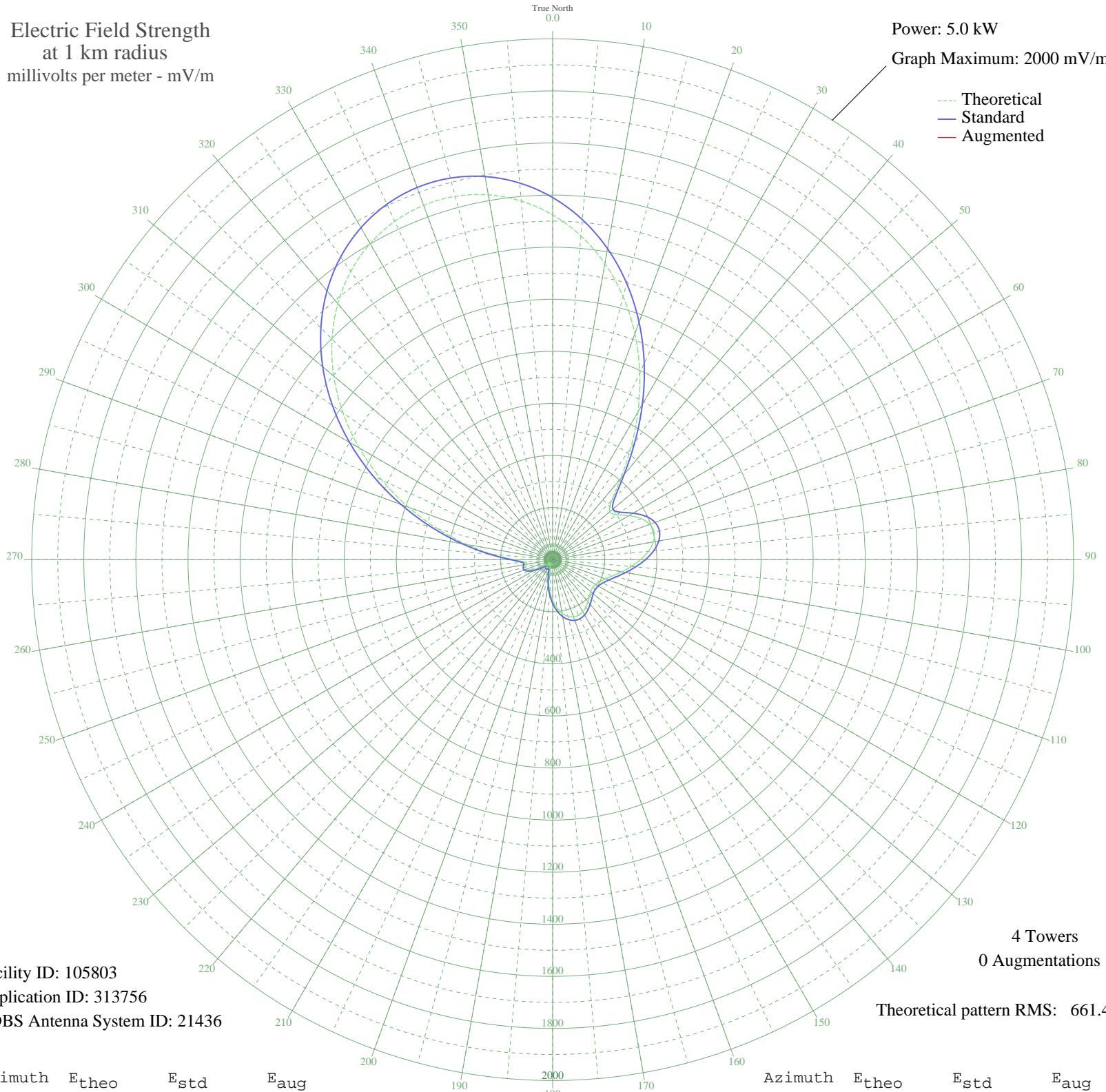


# CKPT PETERBOROUGH, ON Canada -- 1420 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 105803  
Application ID: 313756  
CDBS Antenna System ID: 21436

4 Towers  
0 Augmentations

Theoretical pattern RMS: 661.44

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1323.88	1390.49	
5	1247.75	1310.58	
10	1154.50	1212.71	
15	1045.54	1098.35	
20	923.25	970.01	
25	791.30	831.57	
30	655.11	688.71	
35	522.49	549.68	
40	405.13	426.76	
45	320.31	338.05	
50	286.18	302.42	
55	300.76	317.64	
60	337.99	356.53	
65	374.05	394.24	
70	396.98	418.23	
75	402.91	424.43	
80	392.55	413.59	
85	369.21	389.18	
90	337.58	356.10	
95	302.61	319.57	
100	268.74	284.24	
105	239.22	253.49	
110	215.91	229.26	
115	199.49	212.23	
120	190.04	202.45	
125	187.39	199.70	
130	190.96	203.40	
135	199.44	212.17	
140	210.68	223.83	
145	222.10	235.70	
150	231.15	245.09	
155	235.62	249.74	
160	233.90	247.96	
165	225.04	238.75	
170	208.79	221.87	
175	185.58	197.83	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	156.52	167.86	
185	123.37	133.96	
190	88.42	98.92	
195	54.51	66.65	
200	25.50	43.40	
205	13.30	36.90	
210	23.07	41.87	
215	28.34	45.30	
220	24.59	42.81	
225	15.71	37.93	
230	22.91	41.77	
235	46.56	59.64	
240	72.26	83.21	
245	93.54	103.99	
250	105.81	116.23	
255	107.02	117.44	
260	101.45	111.86	
265	107.49	117.92	
270	149.79	160.95	
275	229.29	243.16	
280	334.68	353.07	
285	456.92	480.98	
290	588.79	619.17	
295	723.94	760.90	
300	856.73	900.22	
305	982.39	1032.08	
310	1097.07	1152.43	
315	1197.92	1258.27	
320	1282.96	1347.54	
325	1350.99	1418.95	
330	1401.34	1471.81	
335	1433.73	1505.81	
340	1448.05	1520.84	
345	1444.26	1516.85	
350	1422.30	1493.81	
355	1382.16	1451.67	

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