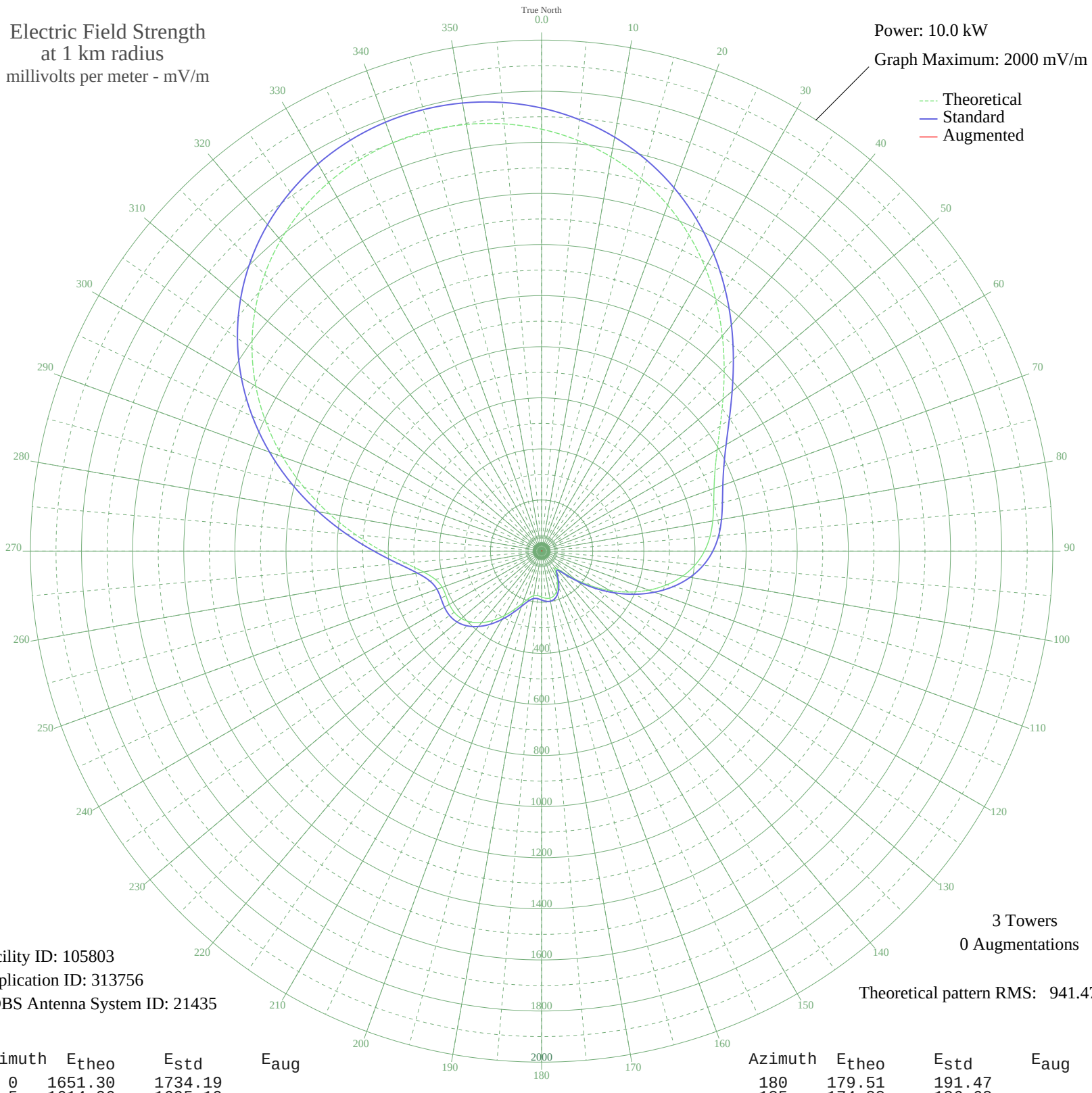
CKPT PETERBOROUGH, ON Canada -- 1420 kHz

Daytime

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



Power: 10.0 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented

3 Towers
0 Augmentations

Facility ID: 105803
Application ID: 313756
CDBS Antenna System ID: 21435

Theoretical pattern RMS: 941.47

Azimuth	E_{theo}	E_{std}	E_{aug}
0	1651.30	1734.19	
5	1614.06	1695.10	
10	1566.60	1645.28	
15	1508.95	1584.75	
20	1441.44	1513.89	
25	1364.92	1433.57	
30	1280.87	1345.33	
35	1191.52	1251.55	
40	1099.97	1155.46	
45	1010.08	1061.12	
50	926.25	973.15	
55	852.83	896.10	
60	793.21	833.55	
65	748.74	786.90	
70	717.98	754.63	
75	696.88	732.50	
80	679.92	714.71	
85	661.54	695.44	
90	637.25	669.96	
95	604.15	635.26	
100	561.01	590.02	
105	508.04	534.50	
110	446.63	470.17	
115	379.04	399.42	
120	308.16	325.32	
125	237.40	251.53	
130	171.07	182.76	
135	116.09	126.46	
140	86.25	96.63	
145	93.28	103.57	
150	120.03	130.46	
155	147.61	158.61	
160	168.96	180.58	
165	182.05	194.10	
170	186.93	199.15	
175	185.09	197.25	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	179.51	191.47	
185	174.88	186.68	
190	177.05	188.93	
195	190.77	203.12	
200	216.84	230.16	
205	252.08	266.82	
210	291.65	308.08	
215	330.78	348.95	
220	365.41	385.16	
225	392.40	413.40	
230	409.81	431.62	
235	417.30	439.46	
240	416.72	438.85	
245	412.86	434.81	
250	413.79	435.79	
255	429.73	452.47	
260	469.25	493.87	
265	535.14	562.90	
270	623.98	656.05	
275	729.24	766.45	
280	843.96	886.79	
285	961.98	1010.64	
290	1078.31	1132.73	
295	1189.06	1248.97	
300	1291.37	1356.36	
305	1383.30	1452.86	
310	1463.72	1537.27	
315	1532.10	1609.06	
320	1588.42	1668.18	
325	1632.98	1714.96	
330	1666.26	1749.89	
335	1688.77	1773.53	
340	1700.98	1786.35	
345	1703.25	1788.73	
350	1695.74	1780.85	
355	1678.46	1762.71	

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.

14 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission