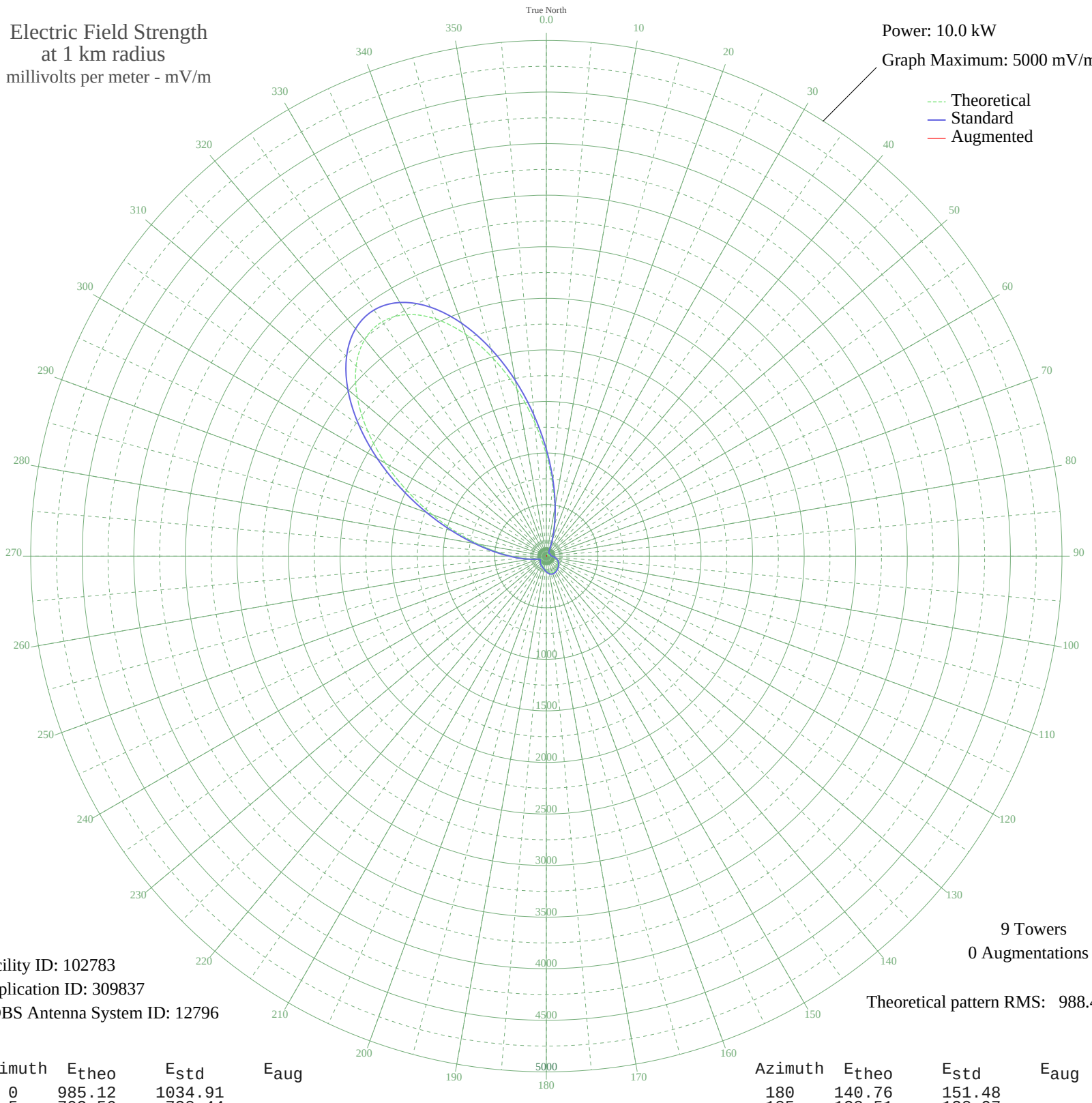
CHSC ST. CATHARINES, ON Canada -- 1220 kHz

Daytime

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



Power: 10.0 kW

Graph Maximum: 5000 mV/m

Theoretical
Standard
Augmented

9 Towers
0 Augmentations

Facility ID: 102783
Application ID: 309837
CDBS Antenna System ID: 12796

Theoretical pattern RMS: 988.46

Azimuth	E_{theo}	E_{std}	E_{aug}
0	985.12	1034.91	
5	702.56	738.44	
10	469.03	493.60	
15	288.68	304.92	
20	159.72	170.96	
25	76.14	86.57	
30	30.30	45.99	
35	16.24	37.33	
40	16.58	37.49	
45	16.92	37.66	
50	18.71	38.58	
55	22.34	40.66	
60	25.98	42.97	
65	28.16	44.46	
70	27.97	44.33	
75	25.28	42.51	
80	22.55	40.78	
85	26.73	43.48	
90	40.50	53.95	
95	59.01	70.30	
100	77.87	88.25	
105	94.36	104.50	
110	107.41	117.57	
115	117.51	127.77	
120	126.09	136.49	
125	134.37	144.95	
130	142.54	153.31	
135	150.05	161.01	
140	156.49	167.63	
145	161.97	173.28	
150	166.72	178.18	
155	170.31	181.88	
160	171.55	183.17	
165	169.21	180.75	
170	162.76	174.09	
175	152.78	163.81	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	140.76	151.48	
185	128.51	138.97	
190	117.55	127.81	
195	108.60	118.77	
200	101.62	111.74	
205	95.98	106.10	
210	90.85	101.01	
215	85.45	95.67	
220	79.20	89.55	
225	71.88	82.45	
230	63.77	74.74	
235	56.07	67.59	
240	51.69	63.62	
245	55.82	67.36	
250	73.32	83.85	
255	106.51	116.66	
260	158.22	169.41	
265	233.61	247.53	
270	339.55	358.07	
275	483.09	508.33	
280	669.80	704.08	
285	901.75	947.42	
290	1175.64	1234.87	
295	1481.46	1555.88	
300	1802.14	1892.54	
305	2114.63	2220.61	
310	2392.32	2512.16	
315	2608.62	2739.25	
320	2740.98	2878.22	
325	2774.56	2913.48	
330	2704.65	2840.08	
335	2537.48	2664.56	
340	2289.15	2403.83	
345	1983.01	2082.43	
350	1646.16	1728.79	
355	1305.64	1371.33	

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission