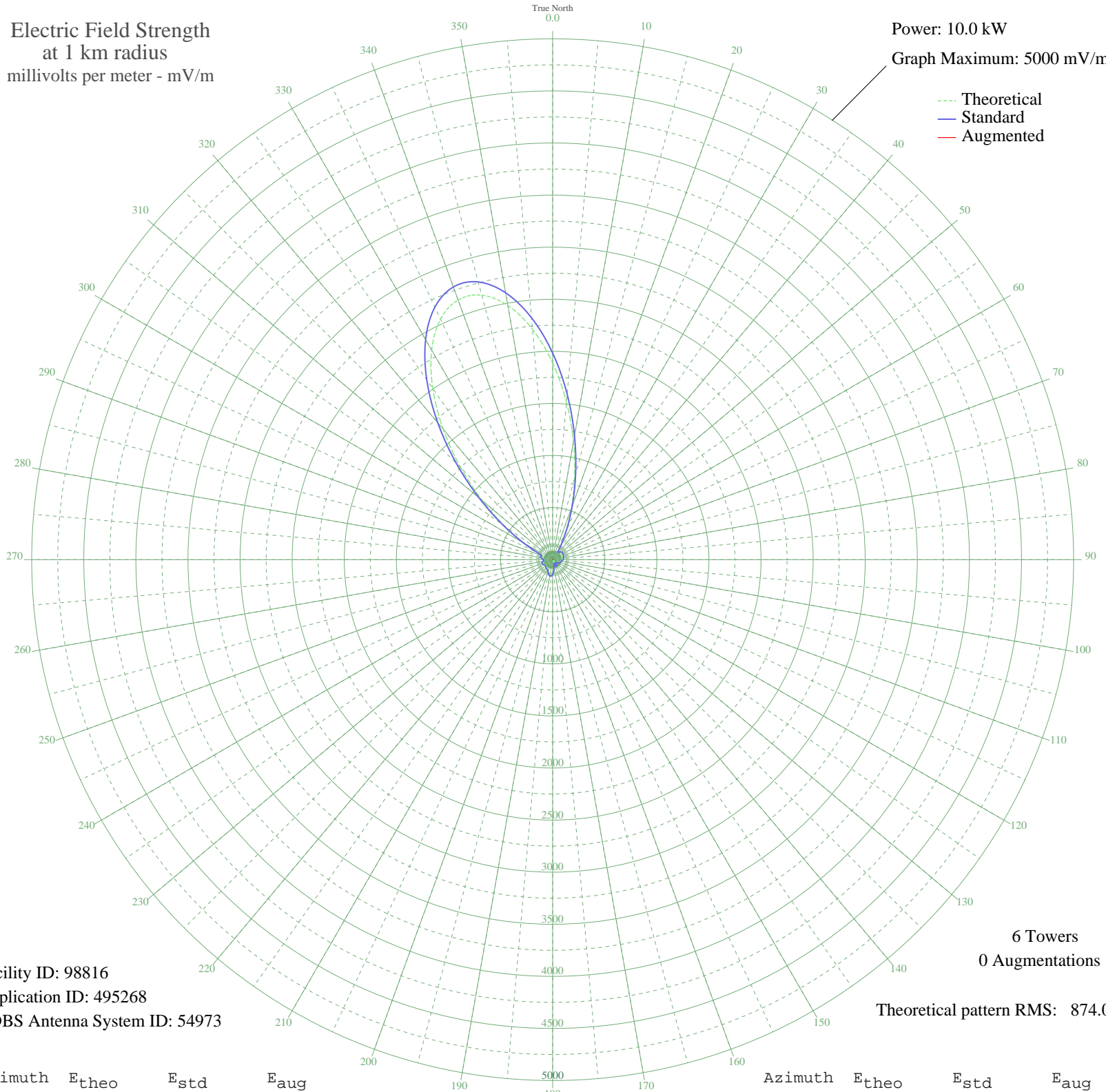


# CJRN NIAGARA FALLS, ON Canada -- 710 kHz

Daytime

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

Power: 10.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 98816  
Application ID: 495268  
CDBS Antenna System ID: 54973

6 Towers  
0 Augmentations

Theoretical pattern RMS: 874.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1888.65	1983.36	
5	1519.37	1595.69	
10	1149.59	1207.53	
15	810.35	851.52	
20	523.51	550.69	
25	300.99	317.78	
30	147.76	158.66	
35	74.48	84.96	
40	79.97	90.30	
45	97.18	107.30	
50	104.45	114.59	
55	105.43	115.57	
60	104.48	114.62	
65	103.39	113.52	
70	102.20	112.33	
75	100.59	110.72	
80	98.31	108.43	
85	95.03	105.16	
90	90.37	100.53	
95	84.19	94.43	
100	77.17	87.57	
105	70.70	81.32	
110	65.68	76.54	
115	60.87	72.02	
120	53.01	64.81	
125	39.00	52.72	
130	17.95	38.18	
135	8.44	34.36	
140	34.32	49.00	
145	53.96	65.67	
150	61.03	72.18	
155	51.66	63.60	
160	26.00	42.98	
165	16.43	37.42	
170	59.90	71.12	
175	101.69	111.81	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	132.84	143.38	
185	148.41	159.33	
190	147.81	158.71	
195	134.98	145.57	
200	117.47	127.73	
205	103.59	113.72	
210	97.25	107.37	
215	95.05	105.18	
220	91.40	101.55	
225	84.56	94.80	
230	77.97	88.35	
235	77.62	88.01	
240	85.16	95.38	
245	95.12	105.25	
250	100.58	110.70	
255	97.34	107.47	
260	85.67	95.89	
265	72.71	83.25	
270	72.98	83.51	
275	90.01	100.17	
280	107.18	117.33	
285	108.78	118.95	
290	100.54	110.66	
295	152.75	163.79	
300	312.02	329.30	
305	558.61	587.48	
310	876.28	920.70	
315	1244.40	1307.04	
320	1633.28	1715.27	
325	2005.94	2106.49	
330	2322.68	2439.04	
335	2547.33	2674.90	
340	2653.35	2786.22	
345	2628.67	2760.30	
350	2477.75	2601.85	
355	2220.55	2331.82	

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.

26 Jun 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission