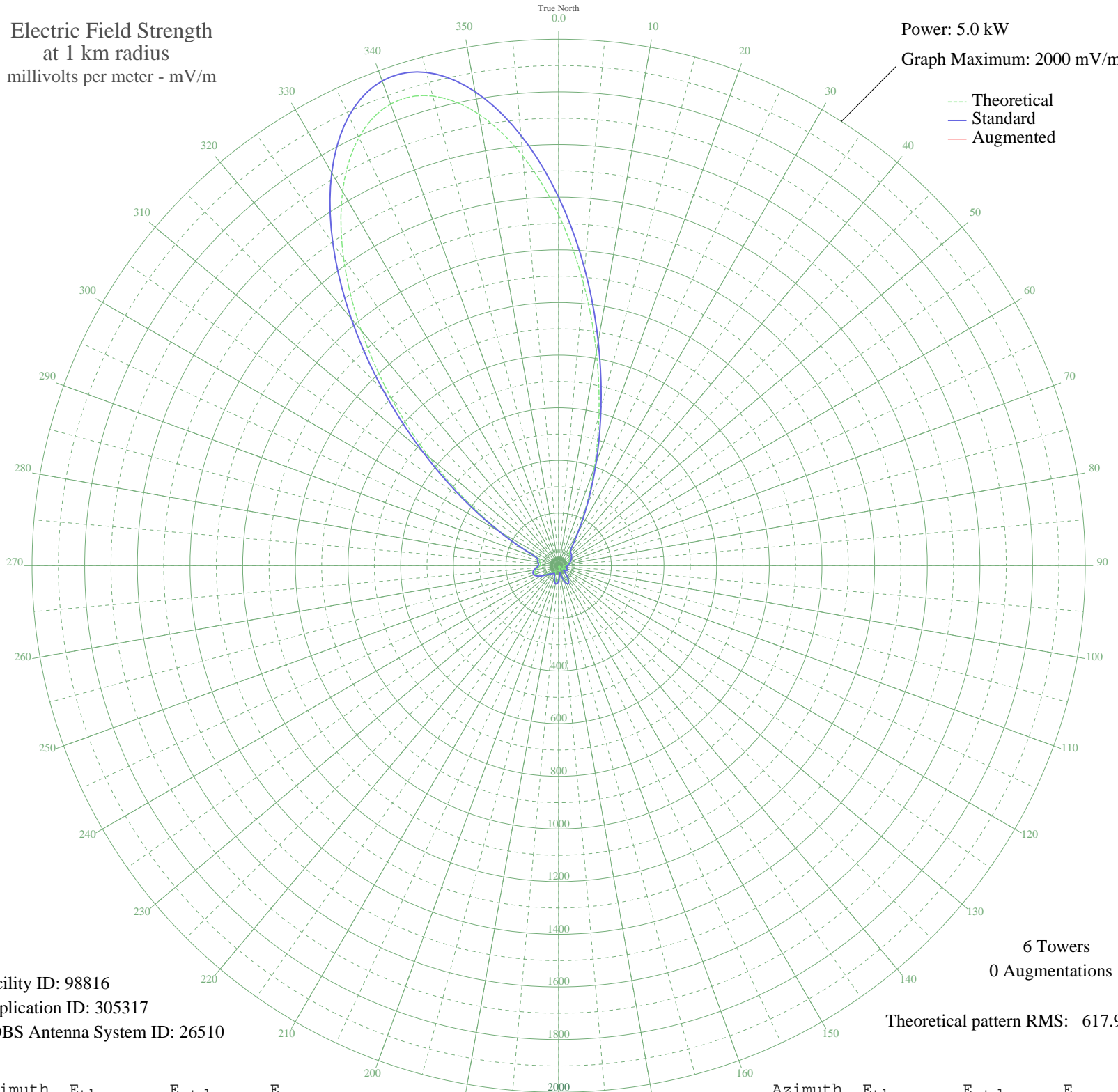


# CJRN NIAGARA FALLS, ON Canada -- 710 kHz

Daytime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 98816  
Application ID: 305317  
CDBS Antenna System ID: 26510

6 Towers  
0 Augmentations

Theoretical pattern RMS: 617.99

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1332.86	1399.70	
5	1078.11	1132.26	
10	823.71	865.22	
15	591.02	621.02	
20	395.03	415.45	
25	243.85	257.11	
30	139.91	148.77	
35	82.26	89.50	
40	62.70	69.90	
45	59.23	66.48	
50	56.58	63.88	
55	52.47	59.89	
60	48.06	55.66	
65	43.88	51.71	
70	39.82	47.95	
75	35.79	44.31	
80	31.96	40.95	
85	28.25	37.83	
90	24.26	34.64	
95	19.92	31.44	
100	17.04	29.52	
105	18.89	30.73	
110	24.27	34.65	
115	28.47	38.01	
120	27.68	37.36	
125	19.76	31.33	
130	4.46	23.94	
135	16.33	29.08	
140	38.78	47.00	
145	57.87	65.14	
150	68.73	75.89	
155	67.95	75.11	
160	54.72	62.06	
165	31.22	40.32	
170	2.15	23.59	
175	26.48	36.39	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	48.94	56.50	
185	61.27	68.49	
190	62.21	69.41	
195	53.41	60.79	
200	39.13	47.32	
205	26.18	36.15	
210	22.77	33.51	
215	26.94	36.76	
220	30.95	40.09	
225	34.68	43.33	
230	42.33	50.27	
235	55.43	62.76	
240	70.93	78.09	
245	84.57	91.85	
250	92.90	100.33	
255	93.97	101.42	
260	87.93	95.27	
265	77.87	85.07	
270	69.98	77.14	
275	69.52	76.68	
280	73.25	80.42	
285	74.08	81.25	
290	81.20	88.43	
295	133.54	142.17	
300	249.06	262.56	
305	421.70	443.40	
310	642.61	675.15	
315	897.79	942.97	
320	1166.68	1225.23	
325	1423.67	1495.03	
330	1641.38	1723.60	
335	1794.93	1884.82	
340	1866.24	1959.70	
345	1847.25	1939.75	
350	1741.33	1828.55	
355	1562.55	1640.85	

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission