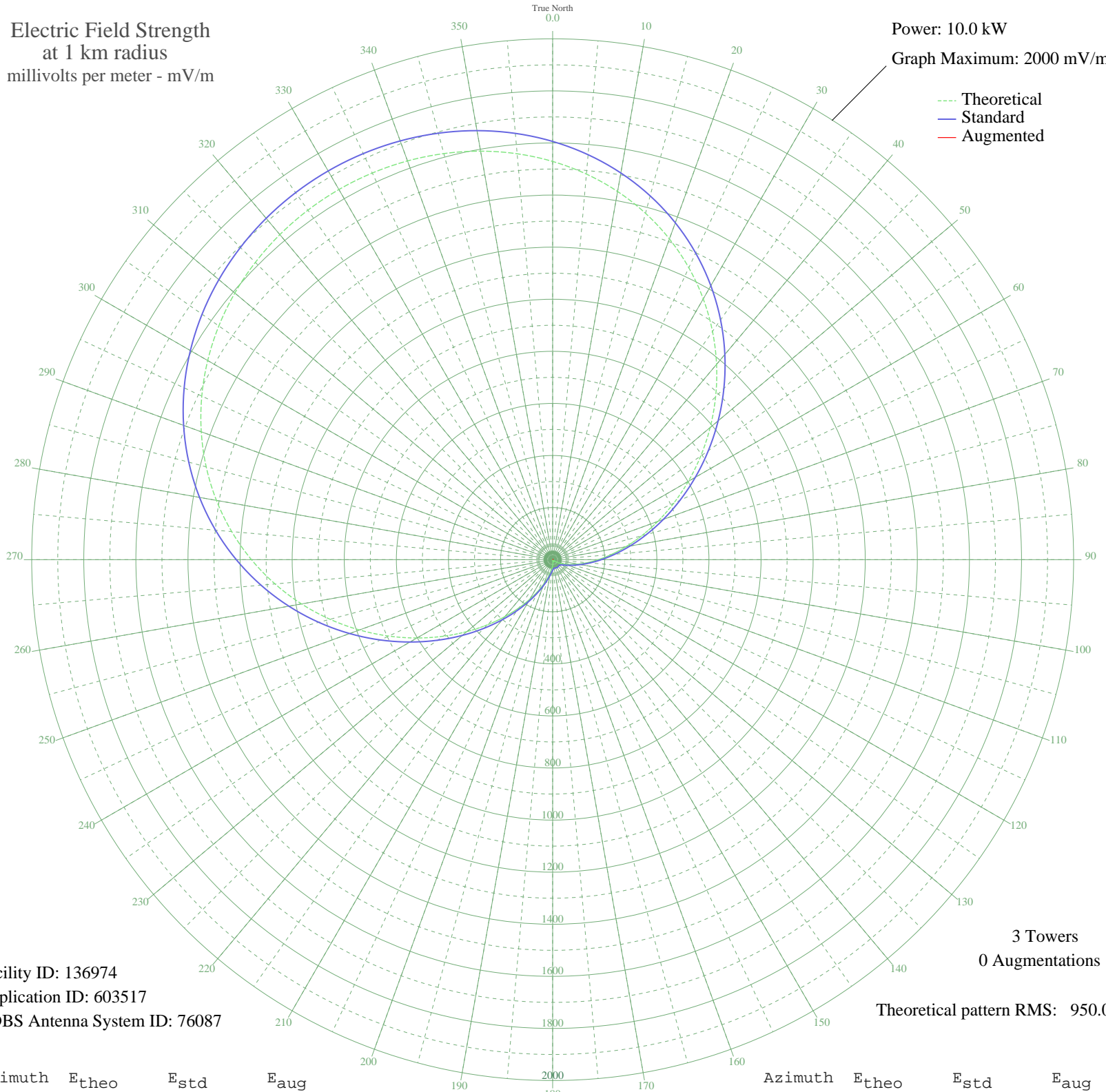


# CJRN NIAGARA FALLS, ON Canada -- 710 kHz

Daytime

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

Power: 10.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 136974  
Application ID: 603517  
CDBS Antenna System ID: 76087

3 Towers  
0 Augmentations

Theoretical pattern RMS: 950.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1529.17	1605.97	
5	1486.25	1560.92	
10	1435.57	1507.71	
15	1377.00	1446.23	
20	1310.65	1376.59	
25	1236.88	1299.14	
30	1156.31	1214.58	
35	1069.91	1123.90	
40	978.91	1028.39	
45	884.81	929.64	
50	789.31	829.44	
55	694.24	729.71	
60	601.45	632.40	
65	512.71	539.36	
70	429.61	452.31	
75	353.50	372.65	
80	285.36	301.46	
85	225.82	239.42	
90	175.07	186.79	
95	132.91	143.45	
100	98.76	108.88	
105	71.73	82.31	
110	50.69	62.73	
115	34.43	49.08	
120	21.80	40.33	
125	11.87	35.47	
130	4.03	33.47	
135	2.03	33.27	
140	6.41	33.88	
145	9.08	34.54	
150	9.98	34.82	
155	9.08	34.54	
160	6.41	33.88	
165	2.03	33.27	
170	4.03	33.47	
175	11.87	35.47	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	21.80	40.33	
185	34.42	49.08	
190	50.69	62.73	
195	71.73	82.31	
200	98.76	108.88	
205	132.91	143.45	
210	175.07	186.79	
215	225.82	239.42	
220	285.36	301.46	
225	353.50	372.65	
230	429.61	452.31	
235	512.71	539.36	
240	601.45	632.39	
245	694.24	729.71	
250	789.31	829.44	
255	884.81	929.64	
260	978.91	1028.39	
265	1069.91	1123.89	
270	1156.31	1214.58	
275	1236.88	1299.14	
280	1310.65	1376.59	
285	1377.00	1446.23	
290	1435.57	1507.71	
295	1486.25	1560.92	
300	1529.17	1605.97	
305	1564.57	1643.13	
310	1592.81	1672.78	
315	1614.27	1695.31	
320	1629.31	1711.09	
325	1638.20	1720.43	
330	1641.14	1723.52	
335	1638.20	1720.43	
340	1629.31	1711.09	
345	1614.27	1695.31	
350	1592.81	1672.78	
355	1564.57	1643.13	

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.

22 Feb 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission