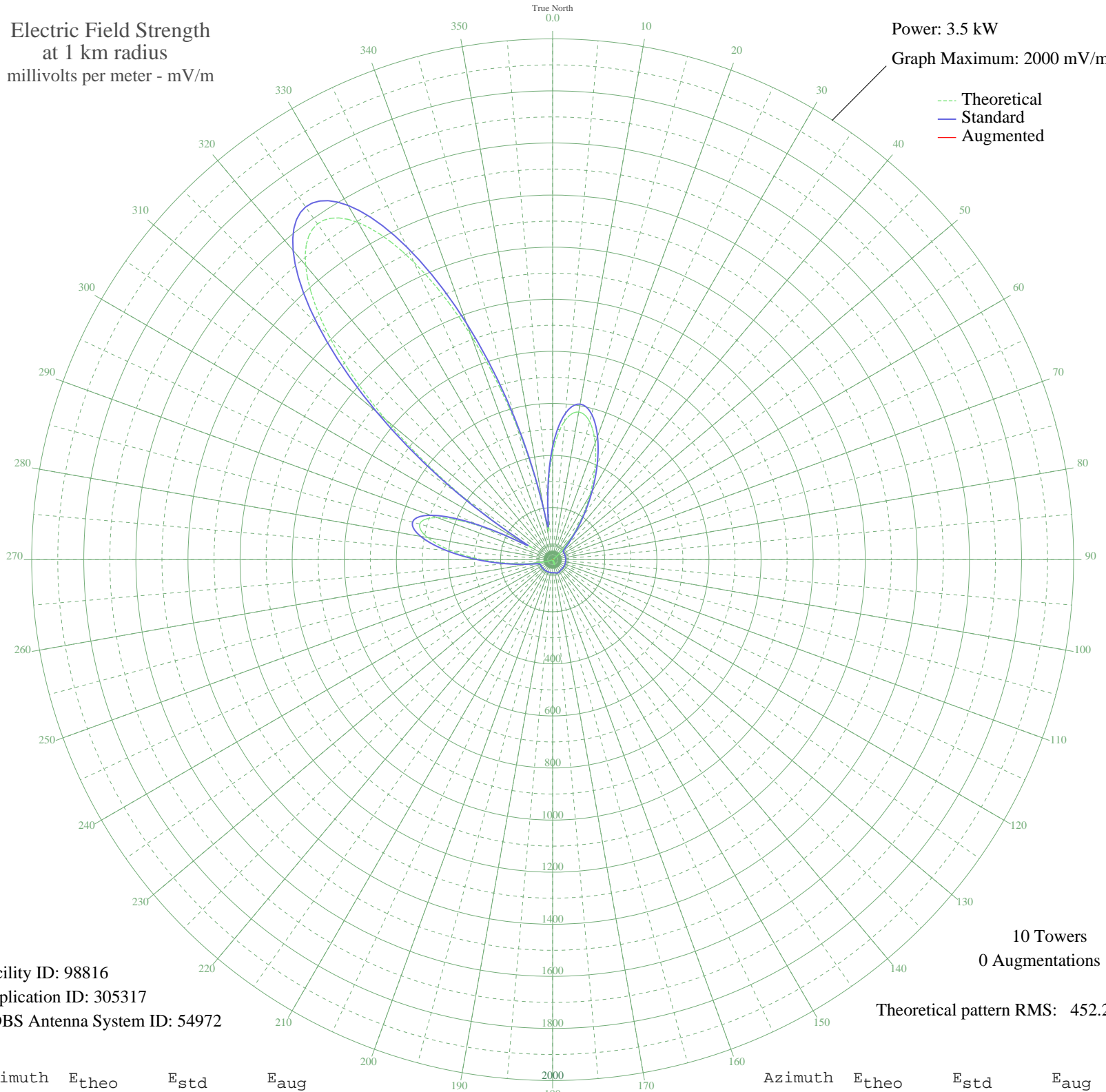


CJRN NIAGARA FALLS, ON Canada -- 710 kHz

Nighttime

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

Power: 3.5 kW
Graph Maximum: 2000 mV/m



Facility ID: 98816
Application ID: 305317
CDBS Antenna System ID: 54972

10 Towers
0 Augmentations

Theoretical pattern RMS: 452.23

Azimuth	E _{theo}	E _{std}	E _{aug}
0	410.28	433.69	
5	535.34	564.32	
10	575.60	606.45	
15	548.71	578.31	
20	477.25	503.61	
25	383.02	405.27	
30	283.82	302.18	
35	192.31	208.02	
40	116.16	131.81	
45	58.85	79.49	
50	20.66	54.50	
55	0.58	50.00	
60	8.67	50.81	
65	8.33	50.75	
70	4.34	50.20	
75	0.46	50.00	
80	1.25	50.01	
85	0.81	50.00	
90	0.82	50.00	
95	1.06	50.01	
100	0.49	50.00	
105	3.26	50.11	
110	5.46	50.32	
115	5.33	50.31	
120	2.43	50.06	
125	1.86	50.03	
130	4.98	50.27	
135	4.63	50.23	
140	1.73	50.03	
145	8.15	50.72	
150	15.69	52.64	
155	20.43	54.40	
160	20.70	54.51	
165	16.74	52.99	
170	10.33	51.16	
175	3.81	50.15	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	0.96	50.00	
185	3.19	50.11	
190	3.22	50.11	
195	2.01	50.04	
200	0.61	50.00	
205	0.34	49.99	
210	0.72	50.00	
215	0.74	50.00	
220	0.54	50.00	
225	0.11	49.99	
230	0.74	50.00	
235	2.18	50.05	
240	3.52	50.13	
245	2.11	50.04	
250	7.45	50.60	
255	33.15	60.92	
260	83.54	100.97	
265	163.85	179.16	
270	270.91	288.81	
275	388.76	411.24	
280	487.62	514.43	
285	528.24	556.90	
290	472.22	498.35	
295	297.34	316.19	
300	91.72	108.51	
305	421.11	444.98	
310	838.40	881.74	
315	1214.13	1275.82	
320	1475.50	1550.08	
325	1573.97	1653.43	
330	1495.10	1570.65	
335	1259.96	1323.91	
340	917.50	964.67	
345	531.80	560.62	
350	181.14	196.66	
355	202.42	218.34	

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