

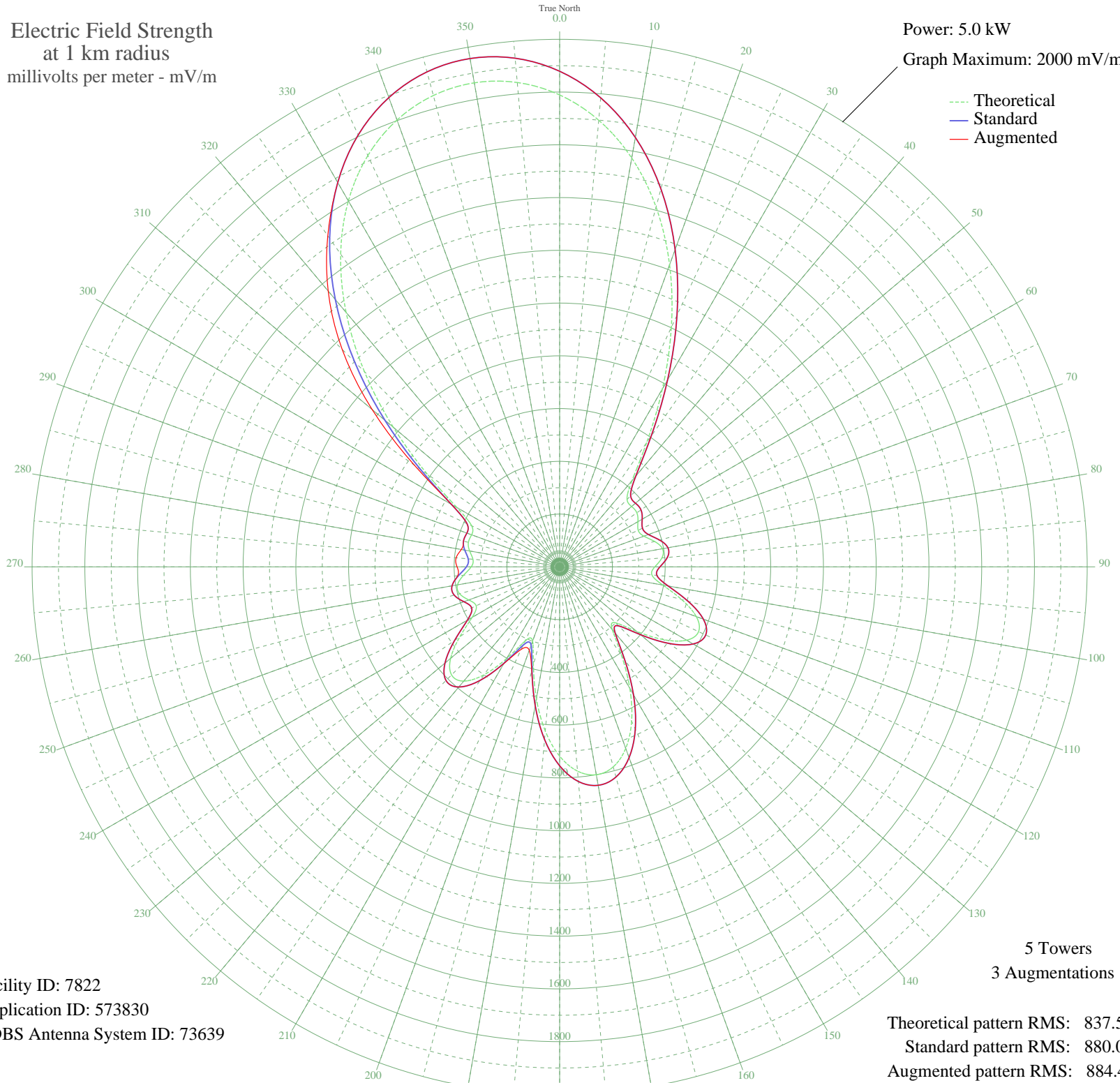
# WHLD NIAGARA FALLS, NY BL-20010702ADF 1270 kHz

Daytime

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

Power: 5.0 kW

Graph Maximum: 2000 mV/m



Facility ID: 7822  
Application ID: 573830  
CDBS Antenna System ID: 73639

5 Towers  
3 Augmentations

Theoretical pattern RMS: 837.56  
Standard pattern RMS: 880.02  
Augmented pattern RMS: 884.40

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1789.19	1878.92	1878.92
5	1699.78	1785.06	1785.06
10	1574.01	1653.02	1653.02
15	1412.38	1483.34	1483.34
20	1218.72	1280.05	1280.05
25	1002.12	1052.71	1052.71
30	778.99	818.57	818.57
35	575.22	604.83	604.83
40	426.57	449.04	449.04
45	361.27	380.68	380.68
50	356.09	375.26	375.26
55	357.23	376.46	376.46
60	342.75	361.31	361.31
65	328.55	346.46	346.46
70	339.89	358.32	358.32
75	372.44	392.37	392.37
80	395.84	416.87	416.87
85	389.18	409.89	409.89
90	360.81	380.20	380.20
95	350.97	369.91	369.91
100	396.64	417.70	417.70
105	478.94	503.91	503.91
110	551.39	579.84	579.84
115	581.28	611.18	611.18
120	556.13	584.81	584.81
125	481.27	506.35	506.35
130	379.64	399.90	399.90
135	299.80	316.41	316.41
140	310.27	327.35	327.35
145	408.18	429.79	429.79
150	532.23	559.76	559.76
155	645.70	678.74	678.74
160	732.45	769.73	769.73
165	785.09	824.96	824.96
170	800.37	841.00	841.00
175	777.49	816.99	816.99

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.

04 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	717.67	754.23	754.23
185	624.80	656.82	656.82
190	507.50	533.84	533.84
195	384.76	405.26	409.01
200	299.39	315.98	336.50
205	310.52	327.61	345.08
210	400.27	421.50	423.17
215	499.40	525.35	525.35
220	565.54	594.68	594.68
225	579.57	609.39	609.39
230	539.56	567.44	567.44
235	461.86	486.01	486.01
240	383.17	403.60	403.60
245	349.05	367.90	367.90
250	366.65	386.31	386.31
255	393.02	413.91	413.91
260	393.25	414.15	414.15
265	365.62	385.24	387.79
270	335.20	353.41	388.85
275	329.93	347.91	394.02
280	346.53	365.26	378.54
285	358.20	377.47	377.47
290	355.13	374.25	374.25
295	367.84	387.56	387.56
300	450.07	473.66	473.66
305	612.82	644.25	672.89
310	823.05	864.80	927.91
315	1046.61	1099.40	1166.00
320	1259.67	1323.04	1365.13
325	1447.45	1520.16	1532.52
330	1602.08	1682.49	1682.49
335	1720.55	1806.86	1806.86
340	1802.79	1893.20	1893.20
345	1850.00	1942.76	1942.76
350	1863.37	1956.80	1956.80
355	1843.29	1935.72	1935.72