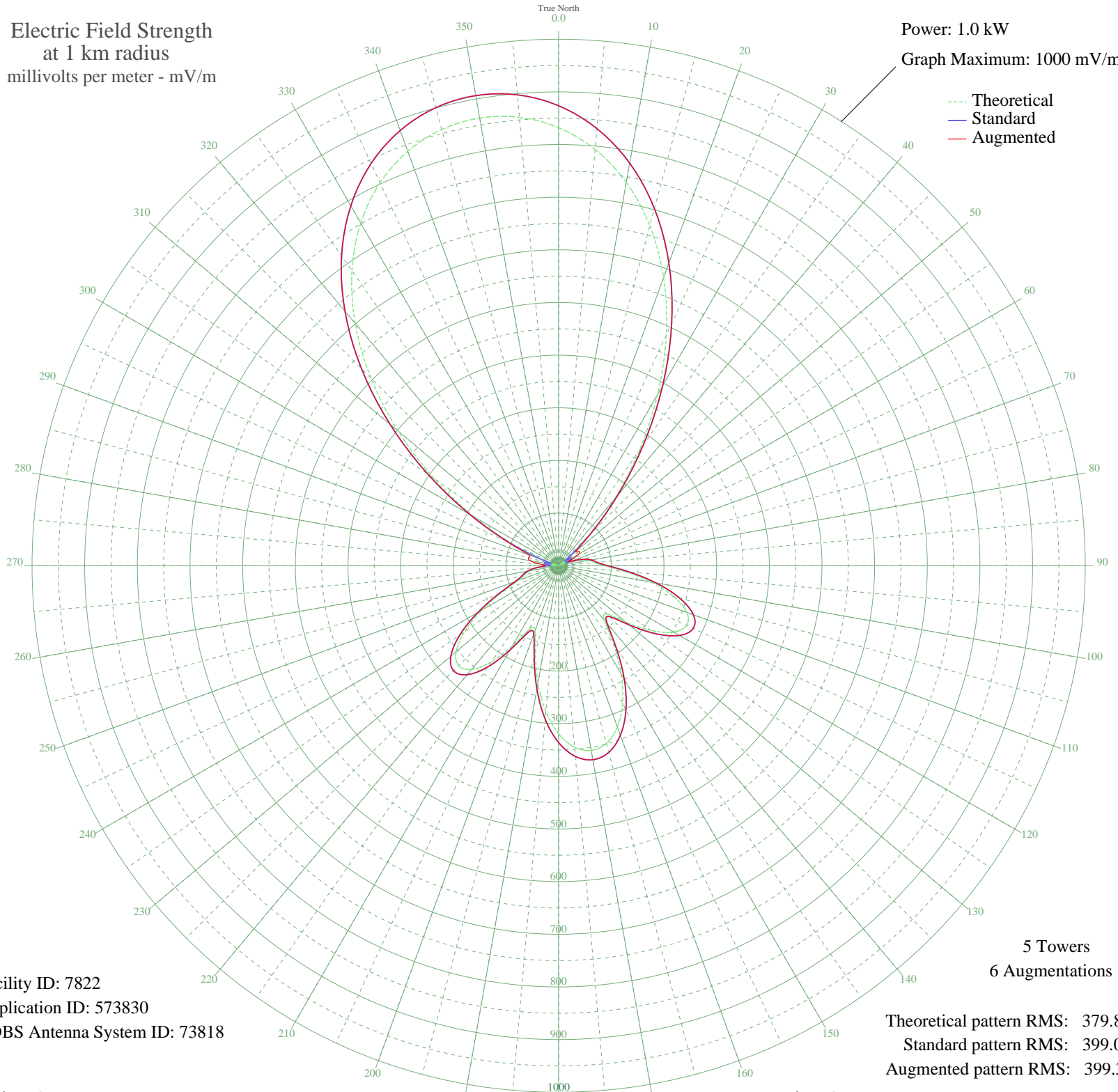


WHLA NIAGARA FALLS, NY BL-20010702ADF 1270 kHz

Nighttime

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

Power: 1.0 kW
Graph Maximum: 1000 mV/m



Facility ID: 7822
Application ID: 573830
CDBS Antenna System ID: 73818

5 Towers
6 Augmentations

Theoretical pattern RMS: 379.83
Standard pattern RMS: 399.07
Augmented pattern RMS: 399.30

Azimuth	E _{theo}	E _{std}	E _{aug}
0	831.92	873.63	873.63
5	793.69	833.49	833.49
10	739.44	776.55	776.55
15	668.85	702.44	702.44
20	582.69	611.99	611.99
25	483.48	507.85	507.85
30	375.92	394.98	394.98
35	266.98	280.70	280.70
40	165.27	174.12	174.12
45	79.78	84.98	86.64
50	18.26	23.89	42.97
55	16.20	22.19	47.10
60	22.77	27.83	43.20
65	8.38	16.75	26.83
70	16.93	22.78	24.78
75	41.89	46.23	46.35
80	58.54	63.10	63.10
85	68.67	73.50	73.50
90	87.59	93.07	93.07
95	126.86	133.97	133.97
100	178.15	187.60	187.60
105	226.38	238.13	238.13
110	258.95	272.27	272.27
115	268.09	281.86	281.86
120	251.82	264.79	264.79
125	214.11	225.27	225.27
130	165.85	174.73	174.73
135	129.38	136.59	136.59
140	135.83	143.34	143.34
145	181.26	190.85	190.85
150	237.12	249.39	249.39
155	287.65	302.37	302.37
160	326.09	342.69	342.69
165	349.36	367.10	367.10
170	356.11	374.18	374.18
175	346.00	363.58	363.58

Azimuth	E _{theo}	E _{std}	E _{aug}
180	319.55	335.83	335.83
185	278.37	292.63	292.63
190	226.05	237.78	237.78
195	170.57	179.66	179.66
200	130.51	137.78	137.78
205	134.11	141.53	141.53
210	175.51	184.83	184.83
215	222.96	234.55	234.55
220	257.00	270.23	270.23
225	268.32	282.09	282.09
230	254.14	267.23	267.23
235	217.65	228.97	228.97
240	167.67	176.63	176.63
245	117.58	124.28	124.28
250	82.25	87.52	87.52
255	66.58	71.34	71.34
260	55.99	60.49	60.49
265	37.40	41.77	42.14
270	11.55	18.71	25.76
275	12.50	19.37	35.88
280	23.39	28.39	55.01
285	11.83	18.90	58.97
290	28.34	32.99	60.91
295	95.18	100.95	106.77
300	184.59	194.35	194.65
305	288.49	303.24	303.24
310	397.80	417.93	417.93
315	504.17	529.57	529.57
320	601.08	631.29	631.29
325	684.26	718.62	718.62
330	751.60	789.31	789.31
335	802.59	842.84	842.84
340	837.71	879.71	879.71
345	857.76	900.76	900.76
350	863.43	906.71	906.71
355	854.92	897.78	897.78

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.

23 Oct 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission