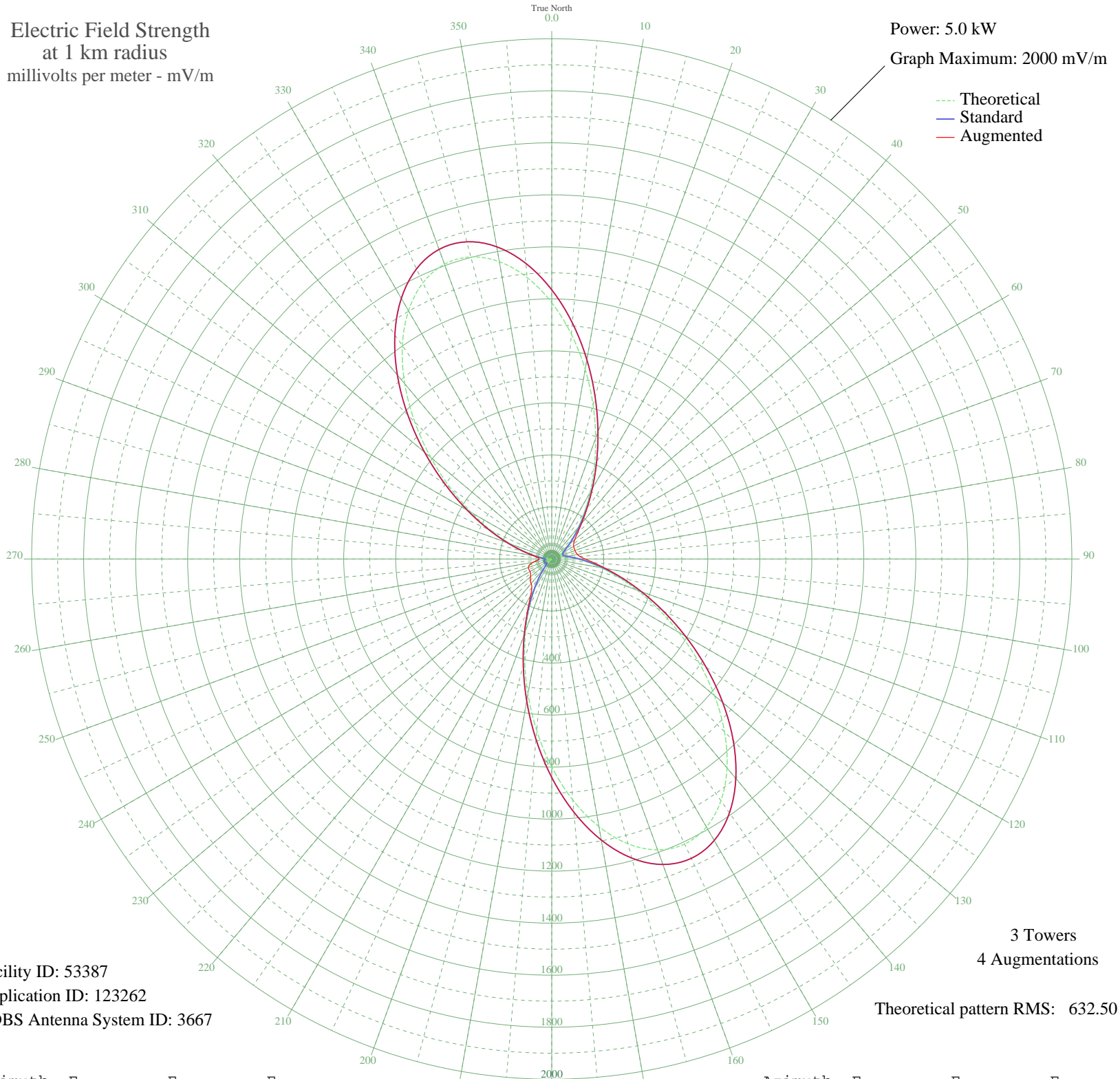


# WGIN ROCHESTER, NH BL-19890130AM 930 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 53387  
Application ID: 123262  
CDBS Antenna System ID: 3667

3 Towers  
4 Augmentations  
Theoretical pattern RMS: 632.50

Azimuth	Etheo	Estd	Eaug
0	985.43	1034.97	1034.97
5	867.18	910.84	910.84
10	740.45	777.83	777.83
15	613.71	644.82	644.98
20	494.02	519.25	519.85
25	386.51	406.51	408.04
30	294.26	309.86	313.10
35	218.43	230.55	236.76
40	158.65	168.23	179.24
45	113.47	121.44	139.56
50	80.84	88.07	115.37
55	58.55	65.81	102.83
60	44.62	52.40	97.43
65	37.52	45.86	95.59
70	36.37	44.83	95.35
75	41.02	49.06	96.42
80	52.07	59.50	100.05
85	70.80	77.96	109.21
90	99.04	106.61	128.21
95	138.94	147.76	161.33
100	192.66	203.65	211.52
105	261.95	276.04	280.29
110	347.67	365.81	367.90
115	449.33	472.38	473.28
120	564.65	593.35	593.64
125	689.32	724.17	724.21
130	817.01	858.18	858.18
135	939.73	986.99	986.99
140	1048.52	1101.20	1101.20
145	1134.47	1191.43	1191.43
150	1189.84	1249.55	1249.55
155	1209.14	1269.81	1269.81
160	1190.02	1249.74	1249.74
165	1133.65	1190.57	1190.57
170	1044.59	1097.07	1097.07
175	930.17	976.96	976.96

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

Azimuth	Etheo	Estd	Eaug
180	799.48	839.78	839.78
185	662.15	695.65	695.65
190	527.21	554.07	554.07
195	402.16	422.92	422.92
200	292.36	307.88	309.38
205	200.85	212.20	220.98
210	128.48	136.93	162.51
215	74.30	81.48	133.48
220	36.09	44.58	123.08
225	10.90	26.12	116.67
230	4.47	23.94	106.46
235	12.99	27.15	98.98
240	17.19	29.62	96.36
245	18.90	30.74	96.42
250	19.14	30.91	96.14
255	18.10	30.20	88.21
260	15.07	28.31	72.47
265	8.54	25.13	54.89
270	3.75	23.81	48.35
275	24.63	34.93	51.48
280	57.26	64.54	70.39
285	104.73	112.45	113.35
290	169.63	179.65	179.65
295	253.47	267.18	267.18
300	356.19	374.74	374.74
305	475.66	499.99	499.99
310	607.43	638.23	638.23
315	744.81	782.41	782.41
320	879.31	923.57	923.57
325	1001.39	1051.72	1051.72
330	1101.59	1156.91	1156.91
335	1171.76	1230.57	1230.57
340	1206.12	1266.64	1266.64
345	1202.09	1262.41	1262.41
350	1160.66	1218.92	1218.92
355	1086.12	1140.66	1140.66