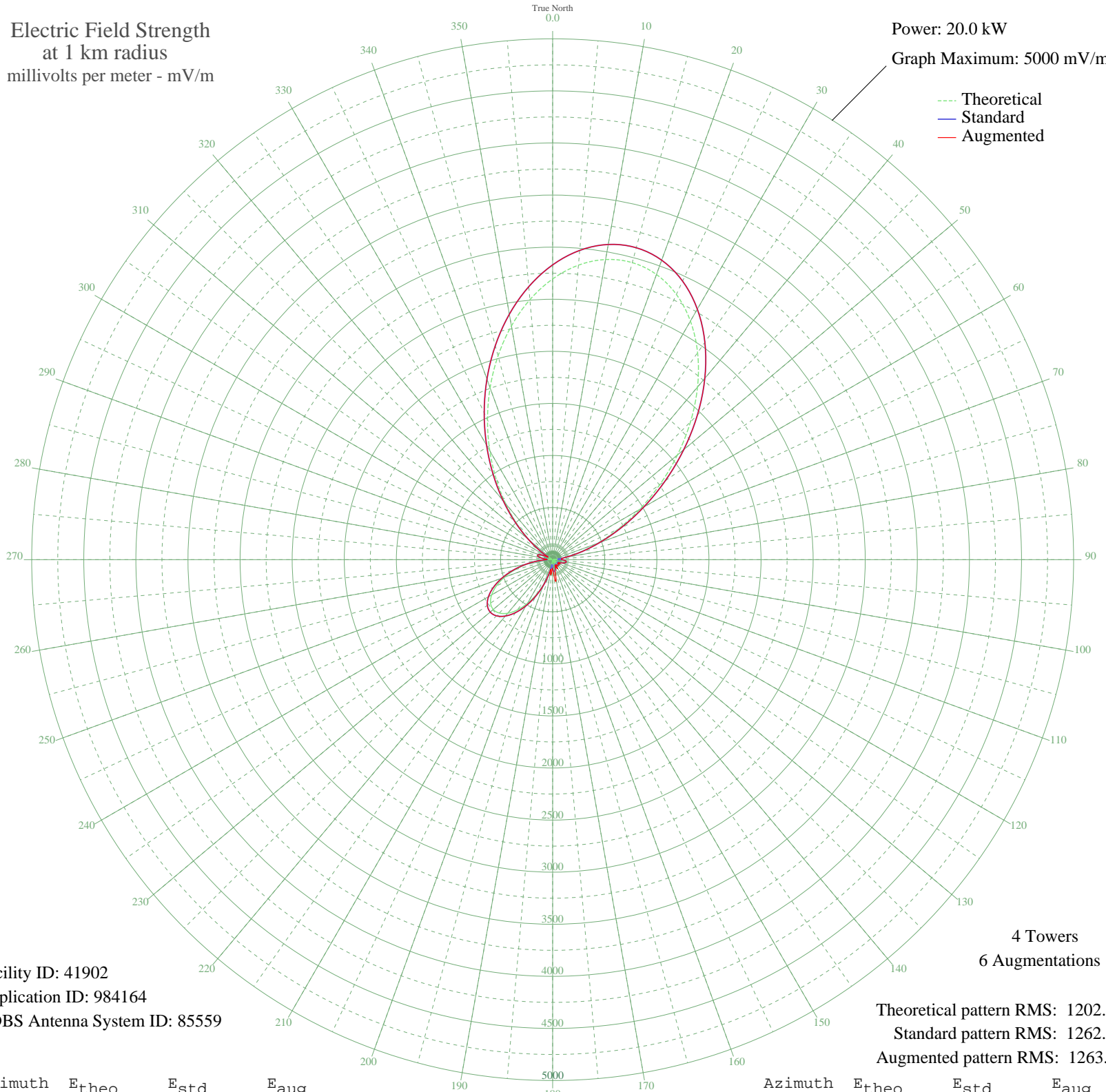


WSAU WAUSAU, WI BL-20040302ABW 550 kHz

Nighttime

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

Power: 20.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 41902  
Application ID: 984164  
CDBS Antenna System ID: 85559

Theoretical pattern RMS: 1202.00  
Standard pattern RMS: 1262.90  
Augmented pattern RMS: 1263.30

Azimuth	Etheo	Estd	Eaug
0	2694.84	2829.97	2829.97
5	2837.89	2980.15	2980.15
10	2925.74	3072.39	3072.39
15	2952.07	3100.03	3100.03
20	2913.37	3059.40	3059.40
25	2809.60	2950.45	2950.45
30	2644.47	2777.09	2777.09
35	2425.41	2547.11	2547.11
40	2163.14	2271.78	2271.78
45	1870.88	1964.99	1964.99
50	1563.27	1642.11	1642.11
55	1255.15	1318.75	1318.75
60	960.37	1009.48	1009.48
65	690.74	726.80	726.80
70	455.32	480.39	480.39
75	259.99	277.00	277.00
80	107.39	122.14	122.14
85	3.21	47.08	86.80
90	73.63	90.45	90.45
95	109.76	124.45	124.45
100	117.51	132.02	132.02
105	103.85	118.73	118.73
110	76.01	92.60	92.60
115	40.99	63.70	63.70
120	5.36	47.29	80.71
125	25.91	54.27	58.28
130	47.91	68.81	68.81
135	58.01	76.91	76.91
140	54.96	74.40	74.40
145	39.26	62.48	62.48
150	13.22	48.97	86.89
155	19.46	51.21	73.09
160	53.12	72.91	72.91
165	81.74	97.83	97.83
170	98.81	113.88	184.15
175	98.31	113.40	154.65

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	75.56	92.19	92.19
185	27.93	55.36	127.85
190	44.62	66.33	106.82
195	139.02	153.34	153.34
200	249.52	266.17	266.17
205	367.88	389.11	389.11
210	484.33	510.71	510.71
215	588.66	619.88	619.88
220	671.36	706.49	706.49
225	724.76	762.45	762.45
230	743.91	782.52	782.52
235	727.08	764.88	764.88
240	675.85	711.19	711.19
245	594.81	626.31	626.31
250	490.98	517.66	517.66
255	373.01	394.46	394.46
260	250.30	266.98	266.98
265	132.26	146.60	146.60
270	27.65	55.21	58.25
275	56.00	75.25	75.84
280	112.33	126.95	126.95
285	136.65	150.97	150.97
290	125.70	140.09	140.09
295	77.58	94.03	94.03
300	8.34	47.77	47.77
305	131.29	145.63	145.63
310	289.74	307.83	307.83
315	480.87	507.09	507.09
320	700.86	737.40	737.40
325	944.83	993.18	993.18
330	1206.82	1268.03	1268.03
335	1479.77	1554.46	1554.46
340	1755.54	1843.91	1843.91
345	2025.02	2126.79	2126.79
350	2278.32	2392.70	2392.70
355	2505.05	2630.73	2630.73