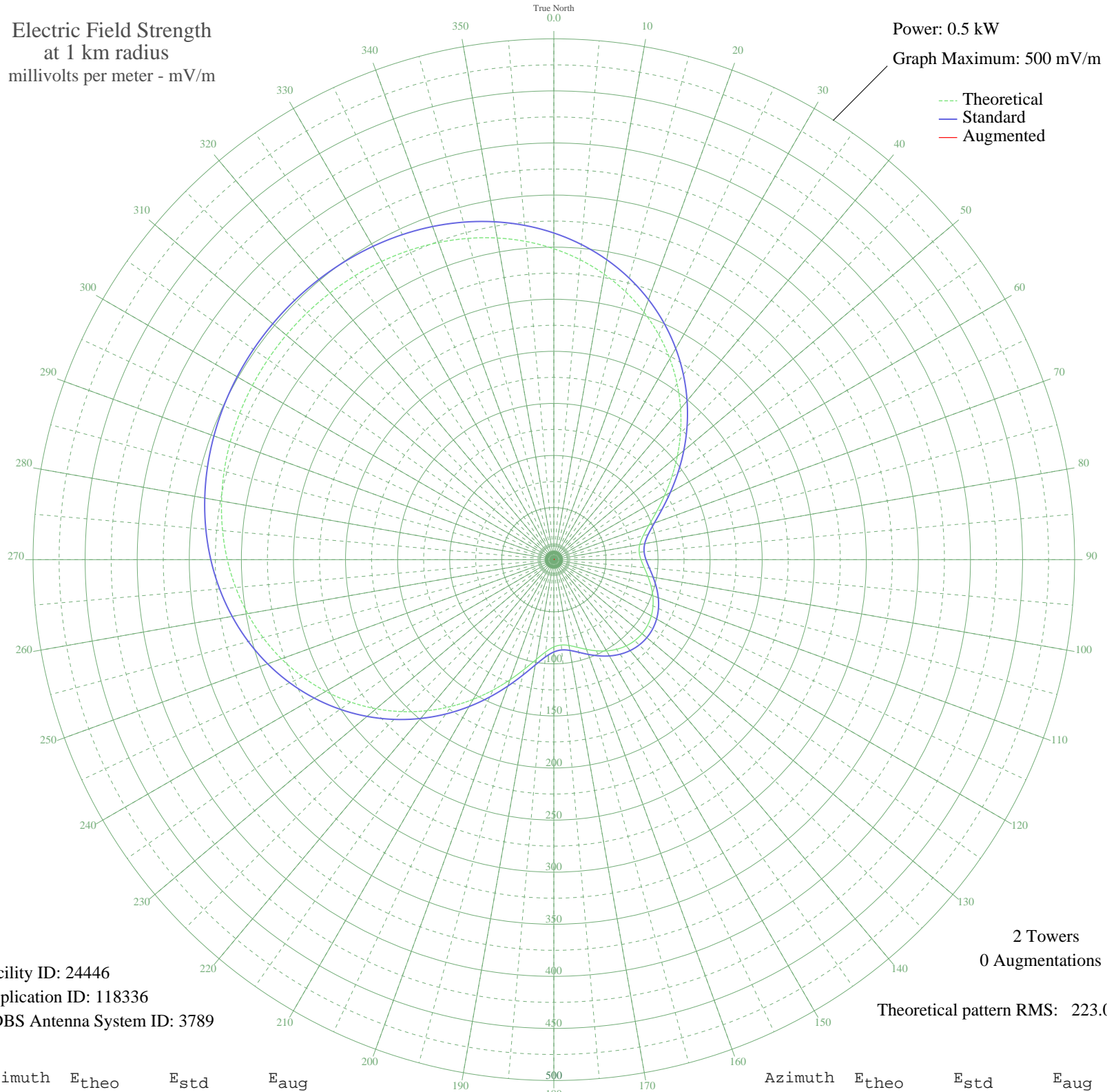


# WFAW FORT ATKINSON, WI BL-19880923AE 940 kHz

Daytime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m



Facility ID: 24446  
Application ID: 118336  
CDBS Antenna System ID: 3789

2 Towers  
0 Augmentations  
Theoretical pattern RMS: 223.02

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	298.49	313.59	
5	289.06	303.70	
10	278.30	292.41	
15	266.22	279.72	
20	252.85	265.70	
25	238.30	250.44	
30	222.71	234.08	
35	206.28	216.85	
40	189.26	199.00	
45	171.97	180.88	
50	154.79	162.86	
55	138.15	145.44	
60	122.59	129.15	
65	108.73	114.65	
70	97.24	102.64	
75	88.78	93.81	
80	83.79	88.61	
85	82.26	87.01	
90	83.65	88.46	
95	87.09	92.05	
100	91.65	96.80	
105	96.52	101.89	
110	101.13	106.71	
115	105.06	110.81	
120	108.03	113.92	
125	109.88	115.85	
130	110.50	116.50	
135	109.88	115.85	
140	108.03	113.92	
145	105.06	110.81	
150	101.13	106.71	
155	96.52	101.89	
160	91.65	96.80	
165	87.09	92.05	
170	83.65	88.46	
175	82.26	87.01	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	83.79	88.61	
185	88.78	93.81	
190	97.24	102.64	
195	108.73	114.65	
200	122.59	129.15	
205	138.15	145.44	
210	154.79	162.86	
215	171.97	180.88	
220	189.26	199.00	
225	206.28	216.85	
230	222.71	234.08	
235	238.30	250.44	
240	252.85	265.70	
245	266.22	279.72	
250	278.30	292.41	
255	289.06	303.70	
260	298.49	313.59	
265	306.63	322.13	
270	313.53	329.37	
275	319.27	335.40	
280	323.97	340.33	
285	327.72	344.26	
290	330.61	347.30	
295	332.76	349.56	
300	334.23	351.10	
305	335.09	352.00	
310	335.37	352.30	
315	335.09	352.00	
320	334.23	351.10	
325	332.76	349.56	
330	330.61	347.30	
335	327.72	344.26	
340	323.97	340.33	
345	319.27	335.40	
350	313.53	329.37	
355	306.63	322.13	

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.

26 Jun 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission