

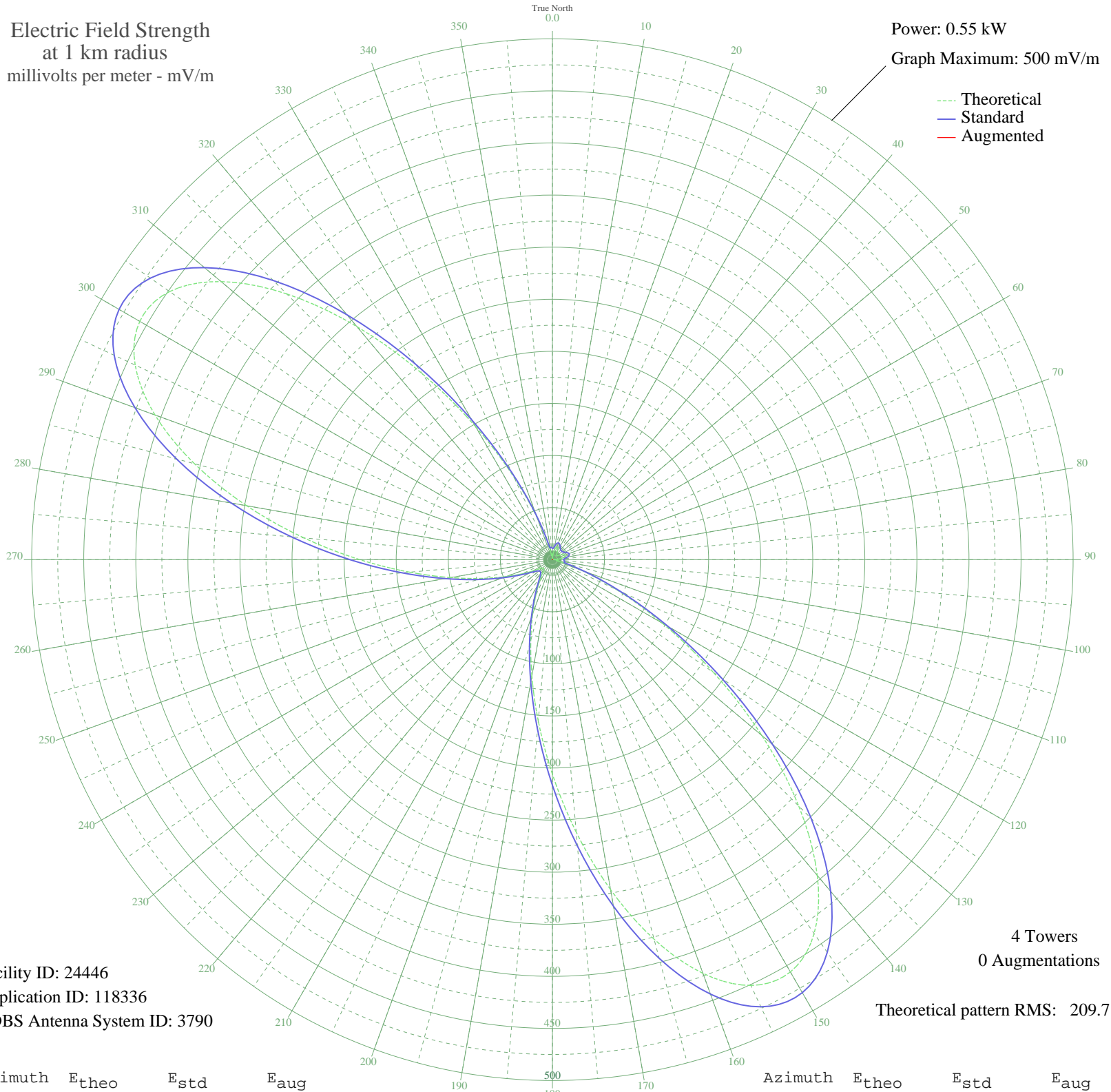
WFAW FORT ATKINSON, WI BL-19880923AE 940 kHz

Nighttime

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

Power: 0.55 kW
Graph Maximum: 500 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 24446
Application ID: 118336
CDBS Antenna System ID: 3790

4 Towers
0 Augmentations

Theoretical pattern RMS: 209.71

Azimuth	E _{theo}	E _{std}	E _{aug}
0	2.85	10.92	
5	2.91	10.93	
10	8.18	13.56	
15	11.68	16.15	
20	12.86	17.10	
25	12.01	16.41	
30	9.96	14.82	
35	7.70	13.25	
40	6.06	12.28	
45	5.41	11.94	
50	5.68	12.08	
55	6.94	12.78	
60	9.03	14.15	
65	11.28	15.83	
70	12.72	16.99	
75	12.43	16.75	
80	9.85	14.74	
85	5.13	11.80	
90	1.03	10.56	
95	5.11	11.79	
100	5.07	11.77	
105	7.32	13.01	
110	29.30	32.50	
115	67.63	71.78	
120	121.86	128.38	
125	188.90	198.63	
130	262.60	275.93	
135	334.54	351.43	
140	395.67	415.58	
145	438.14	460.16	
150	456.97	479.93	
155	450.95	473.61	
160	422.57	443.83	
165	377.20	396.19	
170	321.61	337.85	
175	262.63	275.96	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	205.95	216.50	
185	155.51	163.63	
190	113.43	119.56	
195	80.21	84.87	
200	55.28	58.99	
205	37.45	40.70	
210	25.33	28.60	
215	17.65	21.30	
220	13.37	17.53	
225	11.75	16.20	
230	12.44	16.76	
235	15.58	19.44	
240	21.79	25.18	
245	31.99	35.19	
250	47.37	50.84	
255	69.30	73.52	
260	99.09	104.57	
265	137.62	144.88	
270	184.87	194.39	
275	239.42	251.61	
280	298.07	313.15	
285	355.79	373.73	
290	406.10	426.53	
295	442.03	464.25	
300	457.48	480.47	
305	448.66	471.21	
310	415.25	436.14	
315	360.78	378.96	
320	292.10	306.89	
325	218.02	229.16	
330	147.42	155.15	
335	87.51	92.49	
340	42.65	46.00	
345	14.13	18.18	
350	3.88	11.26	
355	5.77	12.12	

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.

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Prepared by Audio Division, Media Bureau
Federal Communications Commission