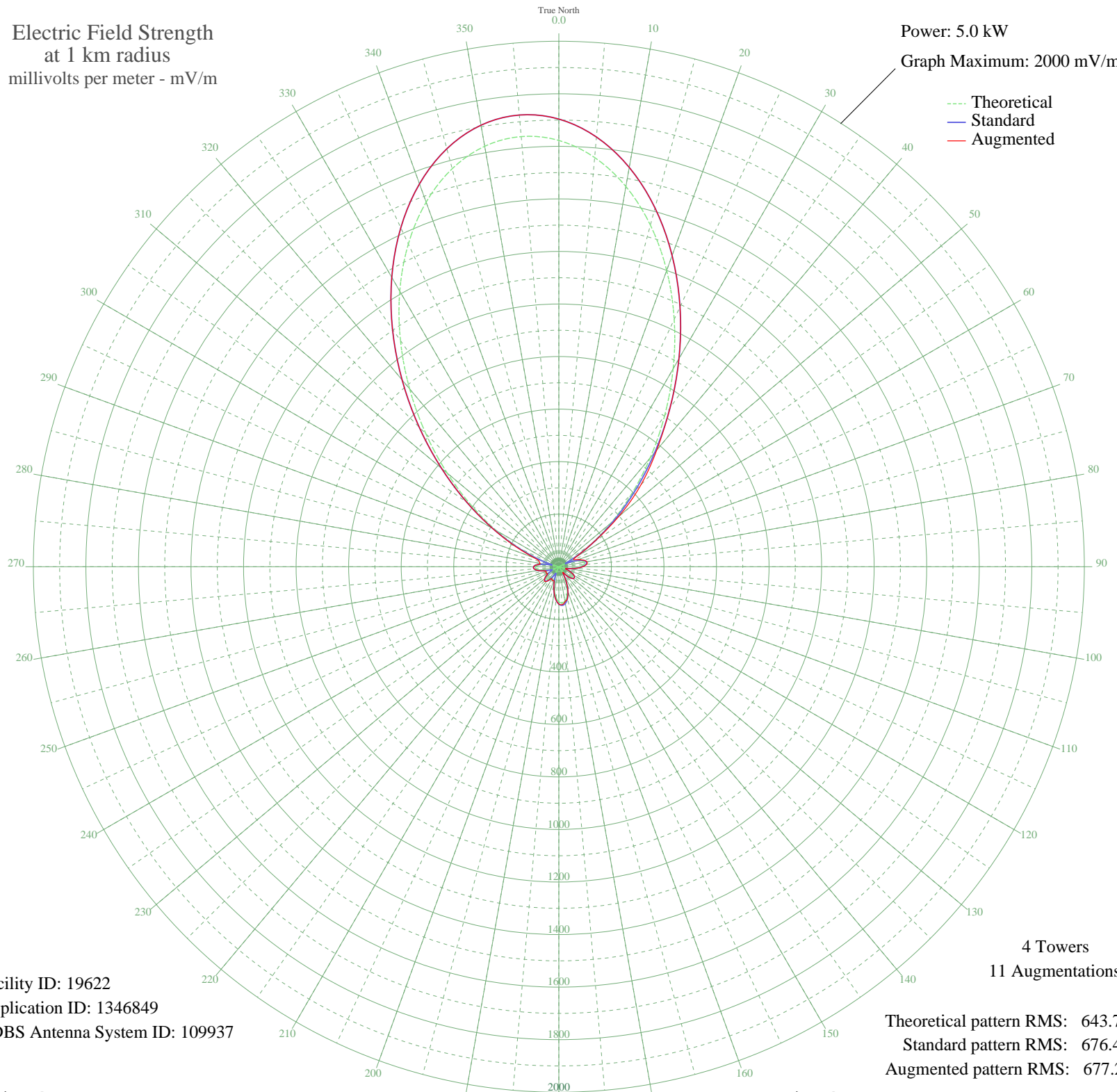


# WHIT MADISON, WI BL-20091202ATU 1550 kHz

Daytime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 19622  
Application ID: 1346849  
CDBS Antenna System ID: 109937

4 Towers  
11 Augmentations

Theoretical pattern RMS: 643.74  
Standard pattern RMS: 676.43  
Augmented pattern RMS: 677.29

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1622.47	1703.79	1703.79
5	1563.38	1641.76	1641.76
10	1469.53	1543.22	1543.22
15	1346.20	1413.75	1413.75
20	1200.13	1260.40	1260.40
25	1038.88	1091.14	1091.14
30	870.32	914.21	914.21
35	701.99	737.55	737.55
40	540.69	568.32	579.81
45	392.05	412.47	443.30
50	260.39	274.65	297.69
55	148.61	158.20	158.20
60	58.24	66.46	78.05
65	10.45	28.24	64.41
70	58.22	66.43	79.20
75	86.69	94.67	96.60
80	98.16	106.30	108.50
85	95.36	103.45	106.20
90	81.35	89.29	90.89
95	59.39	67.57	67.57
100	32.78	43.14	43.14
105	4.79	26.50	26.50
110	21.47	34.43	34.43
115	43.22	52.31	52.31
120	58.14	66.36	66.36
125	64.53	72.58	72.58
130	61.48	69.60	69.60
135	49.00	57.65	57.65
140	28.03	39.28	39.28
145	0.44	26.02	26.02
150	31.11	41.76	41.76
155	63.46	71.53	71.53
160	93.22	101.28	101.28
165	117.21	125.79	125.79
170	132.81	141.85	135.20
175	138.28	147.51	144.81

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	133.01	142.06	142.06
185	117.58	126.17	126.17
190	93.67	101.74	101.74
195	63.89	71.95	71.95
200	31.39	41.99	55.69
205	0.45	26.02	57.90
210	28.45	39.62	53.92
215	49.96	58.56	58.56
220	63.08	71.17	72.40
225	66.85	74.86	77.20
230	61.25	69.37	70.64
235	47.16	55.93	55.93
240	26.25	37.90	50.93
245	0.84	26.03	54.70
250	26.29	37.93	50.95
255	52.04	60.52	60.52
260	73.15	81.10	81.10
265	86.31	94.28	94.28
270	88.27	96.26	96.26
275	75.97	83.91	83.91
280	46.69	55.50	72.54
285	1.83	26.09	77.20
290	71.19	79.15	100.77
295	162.13	172.22	180.23
300	274.32	289.21	290.47
305	406.19	427.30	427.30
310	554.80	583.12	583.12
315	715.79	752.02	752.02
320	883.46	928.00	928.00
325	1051.03	1103.89	1103.89
330	1210.94	1271.75	1271.75
335	1355.33	1423.34	1423.34
340	1476.67	1550.72	1550.72
345	1568.29	1646.91	1646.91
350	1624.97	1706.42	1706.42
355	1643.40	1725.77	1725.77

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission