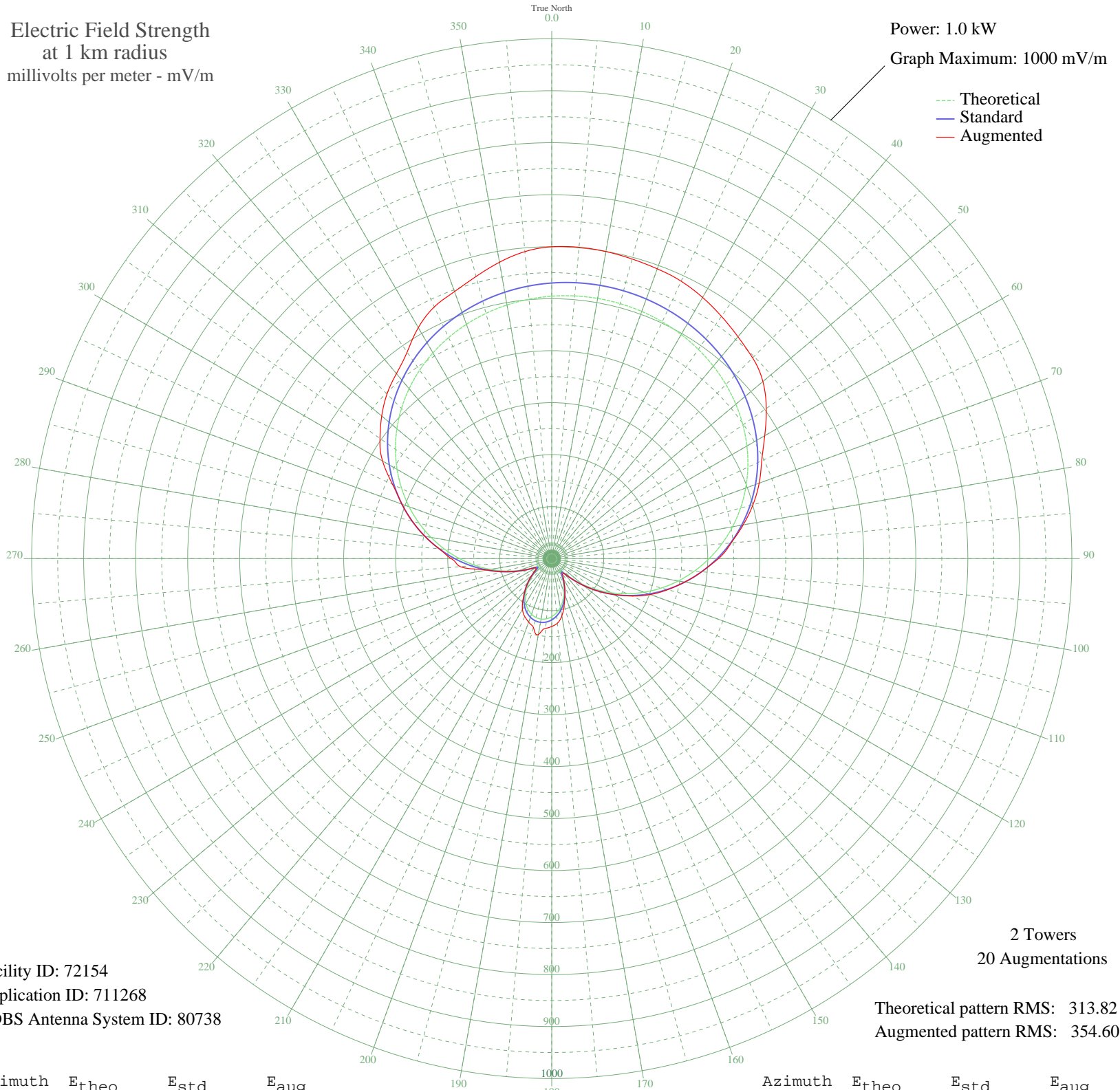


# WTCH SHAWANO, WI BML-20031105AJL 960 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 72154  
Application ID: 711268  
CDBS Antenna System ID: 80738

Theoretical pattern RMS: 313.82  
Augmented pattern RMS: 354.60

Azimuth	Etheo	Estd	Eaug
0	504.81	530.17	599.87
5	507.25	532.73	601.21
10	508.25	533.78	599.79
15	507.82	533.33	596.70
20	505.96	531.37	593.19
25	502.64	527.89	588.78
30	497.81	522.81	580.11
35	491.41	516.09	568.95
40	483.36	507.65	557.12
45	473.59	497.40	546.18
50	462.03	485.26	529.98
55	448.61	471.17	503.65
60	433.28	455.07	472.89
65	416.02	436.96	445.46
70	396.84	416.83	424.45
75	375.79	394.73	400.58
80	352.96	370.77	373.80
85	328.48	345.08	346.35
90	302.52	317.84	320.57
95	275.33	289.30	289.30
100	247.14	259.73	259.73
105	218.26	229.44	230.83
110	189.02	198.77	201.97
115	159.77	168.12	170.02
120	130.92	137.91	137.91
125	102.92	108.62	108.62
130	76.36	80.94	80.94
135	52.34	56.05	56.05
140	33.75	37.11	37.73
145	28.38	31.78	35.90
150	38.56	41.96	46.26
155	53.99	57.75	57.75
160	69.42	73.73	73.73
165	83.34	88.20	92.59
170	95.19	100.55	111.96
175	104.68	110.47	124.74

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	111.70	117.80	130.51
185	116.15	122.45	134.68
190	117.99	124.38	148.38
195	117.20	123.55	136.57
200	113.79	119.99	129.91
205	107.79	113.72	122.77
210	99.28	104.82	112.50
215	88.35	93.42	96.41
220	75.22	79.74	79.74
225	60.28	64.25	64.80
230	44.54	48.05	50.40
235	31.16	34.53	38.36
240	29.44	32.83	35.41
245	43.95	47.45	47.45
250	66.36	70.54	70.54
255	92.08	97.31	97.31
260	119.59	126.05	126.05
265	148.16	155.96	176.63
270	177.30	186.49	193.12
275	206.59	217.20	217.20
280	235.65	247.68	247.68
285	264.15	277.58	277.58
290	291.78	306.57	306.57
295	318.26	334.36	337.66
300	343.35	360.69	375.66
305	366.86	385.36	403.22
310	388.64	408.22	426.76
315	408.57	429.14	447.93
320	426.60	448.07	464.57
325	442.71	464.97	484.83
330	456.89	479.86	513.09
335	469.19	492.77	534.31
340	479.66	503.77	546.65
345	488.39	512.93	561.94
350	495.44	520.33	578.91
355	500.89	526.05	592.82