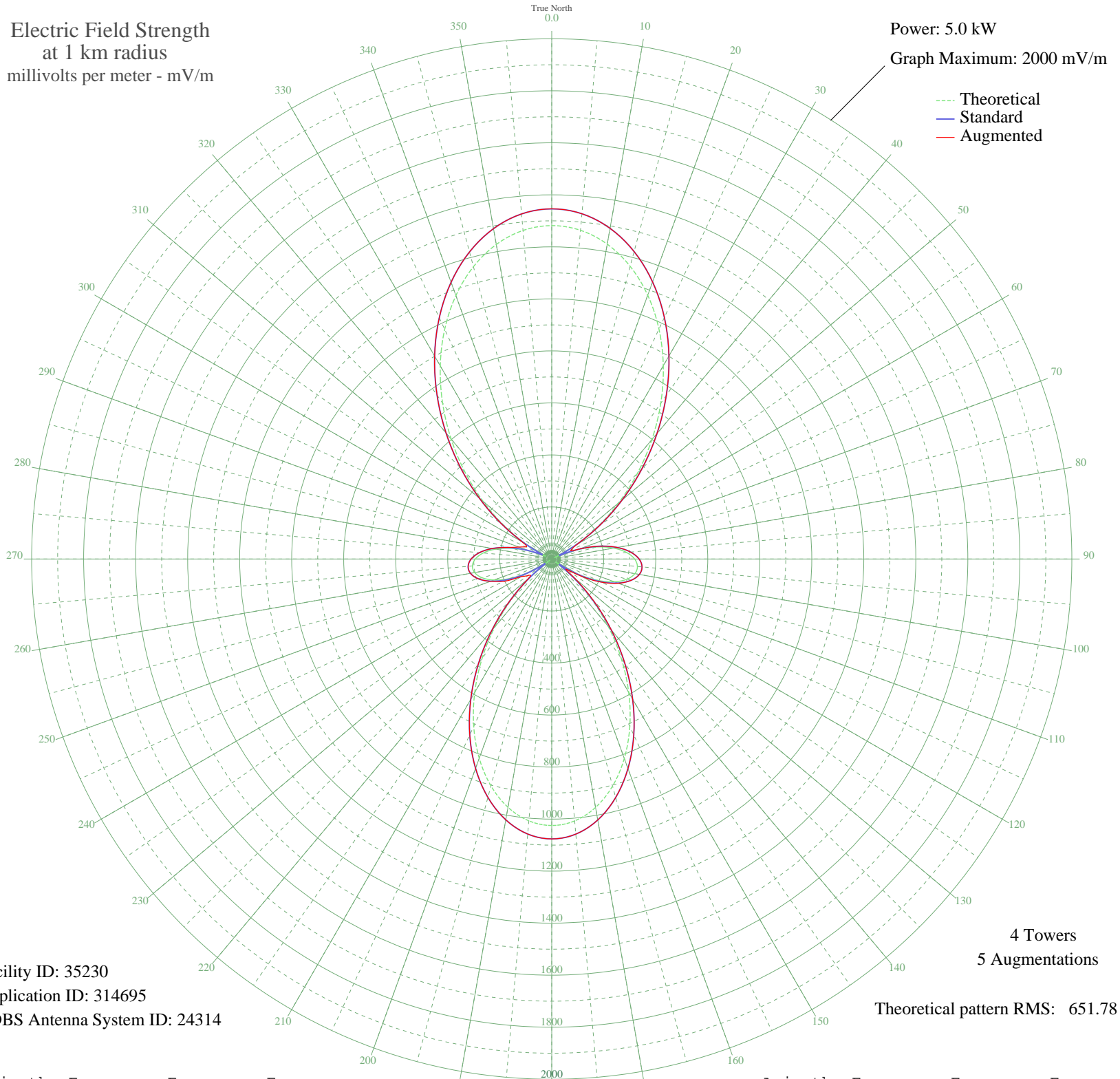


# WTAG WORCESTER, MA BL-- 580 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 35230  
Application ID: 314695  
CDBS Antenna System ID: 24314

4 Towers  
5 Augmentations  
Theoretical pattern RMS: 651.78

Azimuth	Etheo	Estd	Eaug
0	1281.71	1346.11	1346.11
5	1268.57	1332.31	1332.31
10	1229.07	1290.85	1290.85
15	1165.03	1223.63	1223.63
20	1079.29	1133.63	1133.63
25	975.53	1024.72	1024.72
30	857.95	901.32	901.32
35	731.00	768.10	768.10
40	599.05	629.68	629.68
45	466.24	490.41	490.41
50	336.25	354.25	354.25
55	212.26	224.76	224.76
60	97.02	105.94	112.99
65	11.53	31.50	82.18
70	100.51	109.47	109.47
75	178.60	189.77	189.77
80	241.67	255.41	255.41
85	288.63	304.46	304.46
90	318.58	335.77	335.77
95	330.75	348.50	348.50
100	324.55	342.02	342.04
105	299.65	315.98	316.55
110	256.03	270.40	272.45
115	194.16	205.93	210.74
120	115.26	124.46	135.06
125	26.21	40.03	68.60
130	92.56	101.45	115.07
135	211.02	223.47	228.63
140	337.04	355.08	357.14
145	465.62	489.77	490.41
150	591.77	622.03	622.11
155	710.25	746.33	746.33
160	815.90	857.19	857.19
165	903.85	949.49	949.49
170	969.91	1018.82	1018.82
175	1010.82	1061.76	1061.76

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	1024.56	1076.18	1076.18
185	1010.45	1061.37	1061.37
190	969.24	1018.12	1018.12
195	903.06	948.66	948.66
200	815.23	856.48	856.48
205	710.01	746.08	746.08
210	592.31	622.60	622.60
215	467.34	491.56	491.56
220	340.28	358.48	358.48
225	216.02	228.68	228.68
230	98.92	107.86	118.18
235	7.54	30.14	110.69
240	99.97	108.92	135.78
245	176.69	187.79	204.12
250	236.17	249.68	249.68
255	277.66	292.99	292.99
260	300.92	317.30	317.30
265	306.13	322.75	322.75
270	293.77	309.82	309.82
275	264.47	279.21	279.21
280	219.05	231.83	231.83
285	158.47	168.92	172.19
290	84.51	93.38	134.17
295	25.58	39.58	110.20
300	112.36	121.51	131.05
305	223.30	236.26	236.26
310	343.90	362.27	362.27
315	471.05	495.45	495.45
320	601.53	632.28	632.28
325	731.69	768.82	768.82
330	857.39	900.73	900.73
335	974.21	1023.33	1023.33
340	1077.67	1131.92	1131.92
345	1163.47	1221.99	1221.99
350	1227.87	1289.59	1289.59
355	1267.92	1331.63	1331.63