

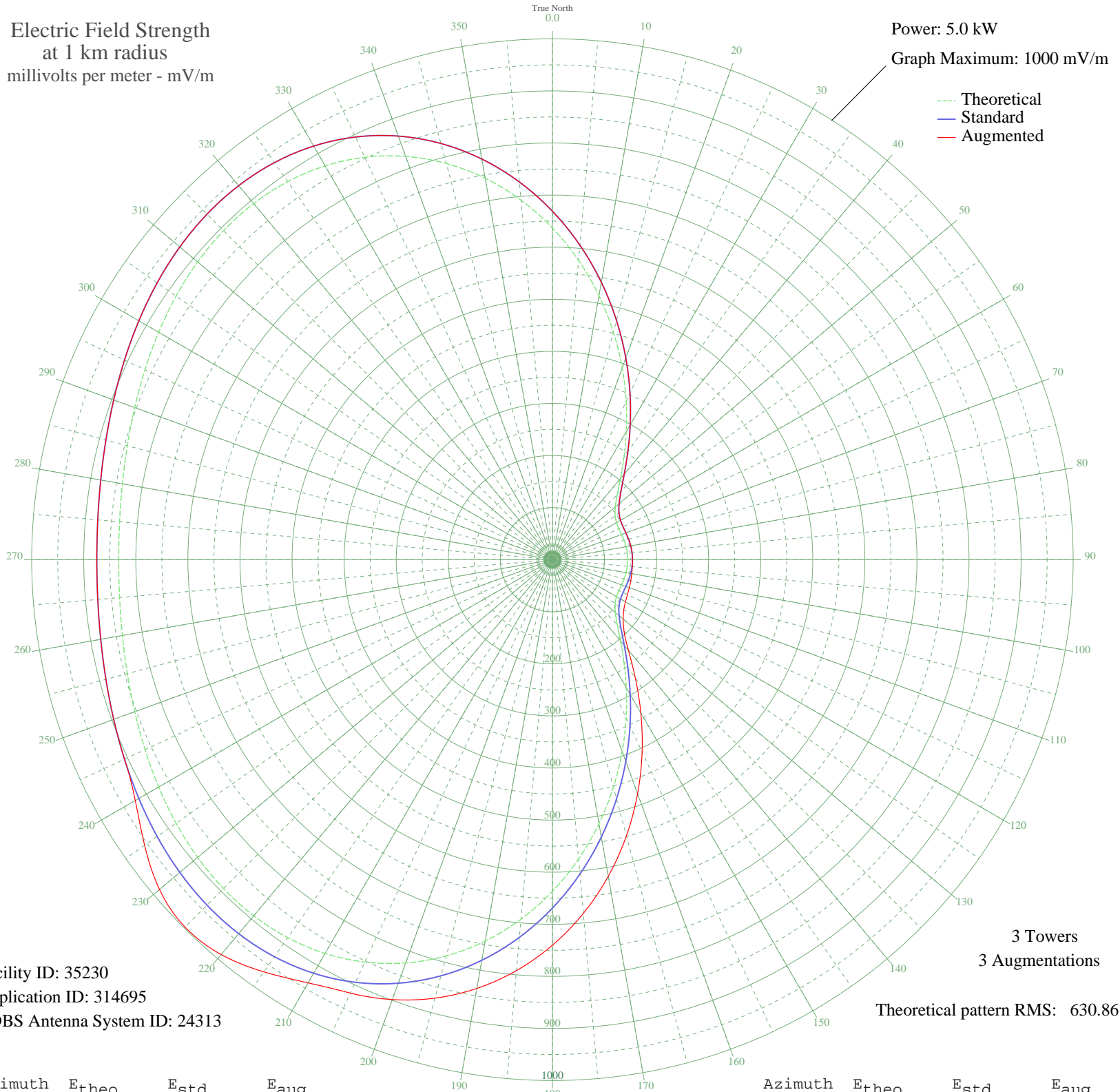
# WTAG WORCESTER, MA BL-- 580 kHz

Daytime

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

Power: 5.0 kW

Graph Maximum: 1000 mV/m



Facility ID: 35230  
Application ID: 314695  
CDBS Antenna System ID: 24313

3 Towers  
3 Augmentations  
Theoretical pattern RMS: 630.86

Azimuth	Etheo	Estd	Eaug
0	636.79	669.04	669.04
5	576.76	606.05	606.05
10	514.61	540.85	540.85
15	452.30	475.49	475.49
20	391.79	412.04	412.04
25	334.98	352.51	352.51
30	283.63	298.74	298.74
35	239.30	252.36	252.36
40	203.19	214.64	214.64
45	176.02	186.30	186.30
50	157.66	167.20	167.20
55	146.99	156.11	156.11
60	142.06	151.00	151.00
65	140.74	149.63	149.63
70	141.27	150.18	150.18
75	142.45	151.41	151.41
80	143.61	152.61	152.61
85	144.41	153.44	153.44
90	144.69	153.72	153.72
95	144.41	153.44	153.99
100	143.61	152.61	154.74
105	142.45	151.41	155.82
110	141.27	150.18	157.16
115	140.74	149.63	158.96
120	142.06	151.00	161.91
125	146.99	156.11	167.40
130	157.66	167.20	177.50
135	176.01	186.30	194.50
140	203.19	214.64	227.05
145	239.30	252.36	277.67
150	283.63	298.74	339.51
155	334.98	352.51	407.54
160	391.79	412.04	478.27
165	452.30	475.49	549.01
170	514.61	540.85	617.41
175	576.76	606.05	681.68

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	636.79	669.04	740.30
185	692.92	727.94	792.02
190	743.56	781.10	835.93
195	787.51	827.22	871.55
200	823.92	865.43	898.83
205	852.39	895.32	918.20
210	872.96	916.91	938.28
215	886.06	930.66	966.10
220	892.44	937.36	989.70
225	893.12	938.07	997.79
230	889.29	934.05	985.03
235	882.20	926.61	956.07
240	873.11	917.07	924.96
245	863.22	906.68	906.68
250	853.58	896.57	896.57
255	845.12	887.68	887.68
260	838.54	880.78	880.78
265	834.39	876.42	876.42
270	832.97	874.93	874.93
275	834.39	876.42	876.42
280	838.54	880.78	880.78
285	845.12	887.68	887.68
290	853.58	896.57	896.57
295	863.22	906.68	906.68
300	873.11	917.07	917.07
305	882.20	926.61	926.61
310	889.29	934.05	934.05
315	893.12	938.07	938.07
320	892.44	937.36	937.36
325	886.06	930.66	930.66
330	872.96	916.91	916.91
335	852.39	895.32	895.32
340	823.92	865.43	865.43
345	787.51	827.22	827.22
350	743.56	781.10	781.10
355	692.92	727.94	727.94