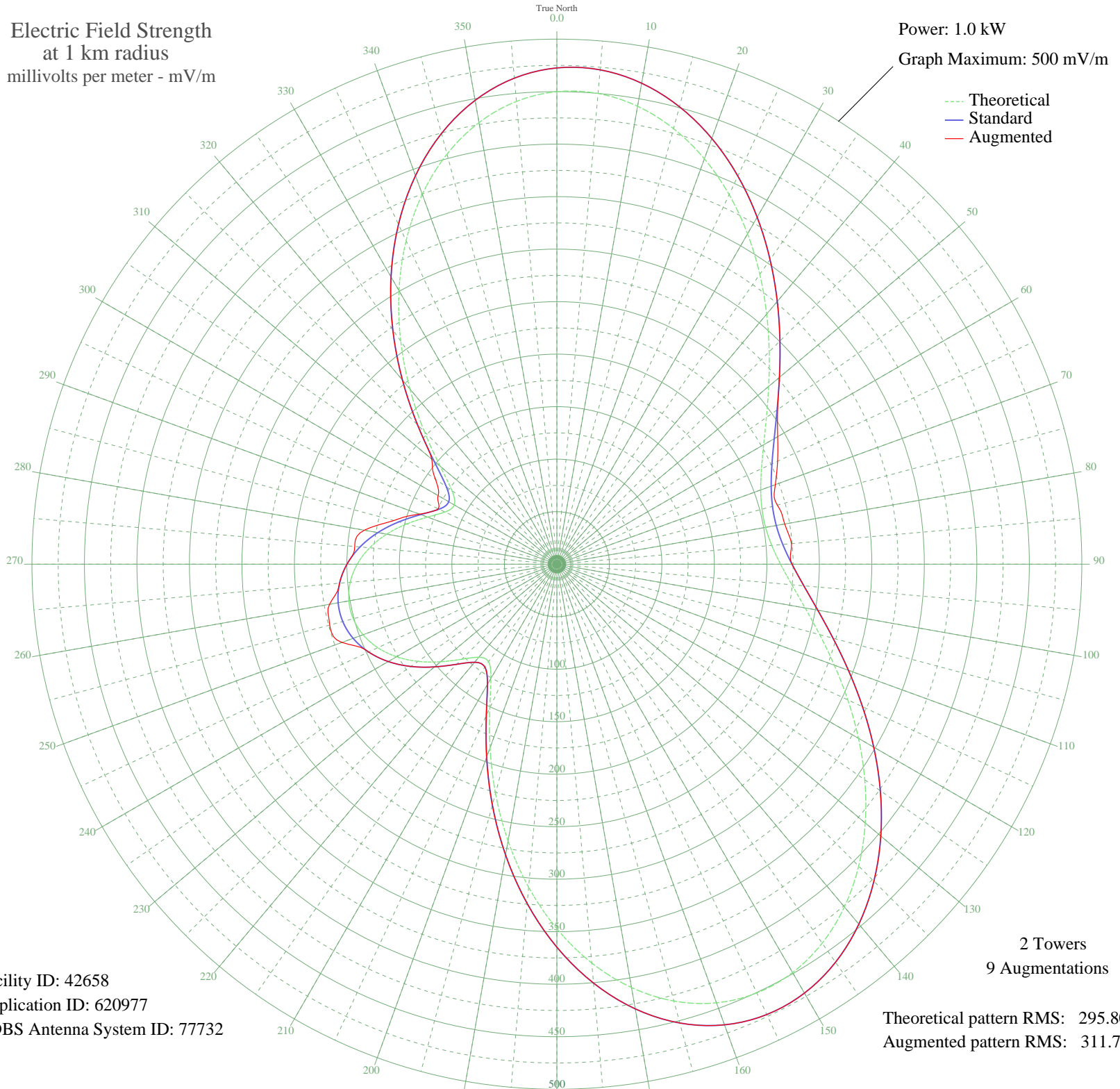


# WQUN HAMDEN, CT BL-20021210ACN 1220 kHz

Daytime

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

Power: 1.0 kW  
Graph Maximum: 500 mV/m



Facility ID: 42658  
Application ID: 620977  
CDBS Antenna System ID: 77732

Theoretical pattern RMS: 295.80  
Augmented pattern RMS: 311.79

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	449.95	472.57	472.57
5	449.94	472.56	472.56
10	442.81	465.07	465.07
15	429.40	450.99	450.99
20	410.80	431.47	431.47
25	388.30	407.85	407.85
30	363.25	381.55	381.55
35	337.01	354.02	354.02
40	310.88	326.59	326.59
45	286.00	300.48	300.48
50	263.33	276.70	276.70
55	243.64	256.04	256.04
60	227.44	239.05	242.84
65	215.07	226.07	231.95
70	206.66	217.24	221.41
75	202.25	212.63	217.37
80	201.85	212.21	220.38
85	205.46	215.98	224.32
90	213.07	223.97	223.97
95	224.66	236.12	236.12
100	240.11	252.33	252.33
105	259.14	272.30	272.30
110	281.26	295.51	295.51
115	305.77	321.23	321.23
120	331.74	348.48	348.48
125	358.05	376.10	376.10
130	383.45	402.76	402.76
135	406.57	427.03	427.03
140	426.05	447.48	447.48
145	440.60	462.75	462.75
150	449.06	471.63	471.63
155	450.55	473.19	473.19
160	444.49	466.83	466.83
165	430.70	452.35	452.35
170	409.39	429.99	429.99
175	381.22	400.42	400.42

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.

13 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	347.22	364.73	364.73
185	308.79	324.40	324.40
190	267.66	281.24	281.24
195	225.89	237.41	237.41
200	185.98	195.56	195.56
205	151.15	159.06	159.06
210	125.56	132.25	132.25
215	113.44	119.58	119.58
220	115.69	121.93	121.93
225	127.98	134.79	134.79
230	144.56	152.15	152.15
235	161.41	169.80	169.80
240	176.33	185.44	185.44
245	188.19	197.88	197.88
250	196.44	206.53	217.83
255	200.82	211.12	223.98
260	201.21	211.54	219.88
265	197.63	207.78	207.78
270	190.14	199.92	199.92
275	178.97	188.21	193.25
280	164.59	173.14	186.24
285	148.00	155.75	160.66
290	131.11	138.07	139.33
295	117.54	123.86	124.65
300	112.82	118.92	130.62
305	121.95	128.48	141.27
310	145.14	152.76	155.59
315	178.49	187.71	187.71
320	217.67	228.79	228.79
325	259.28	272.45	272.45
330	300.72	315.93	315.93
335	339.84	356.98	356.98
340	374.85	393.73	393.73
345	404.28	424.62	424.62
350	427.02	448.50	448.50
355	442.35	464.59	464.59