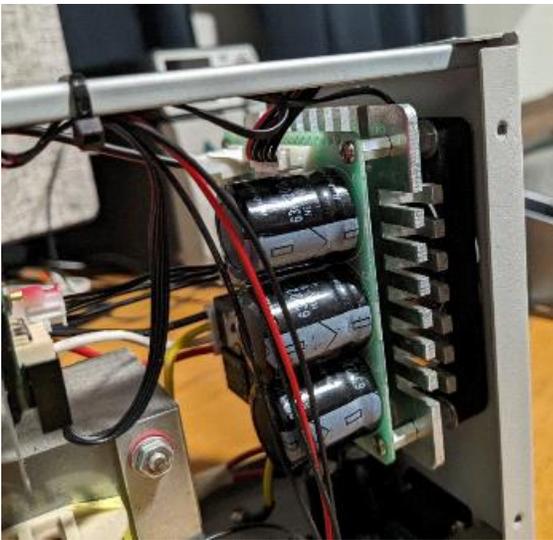
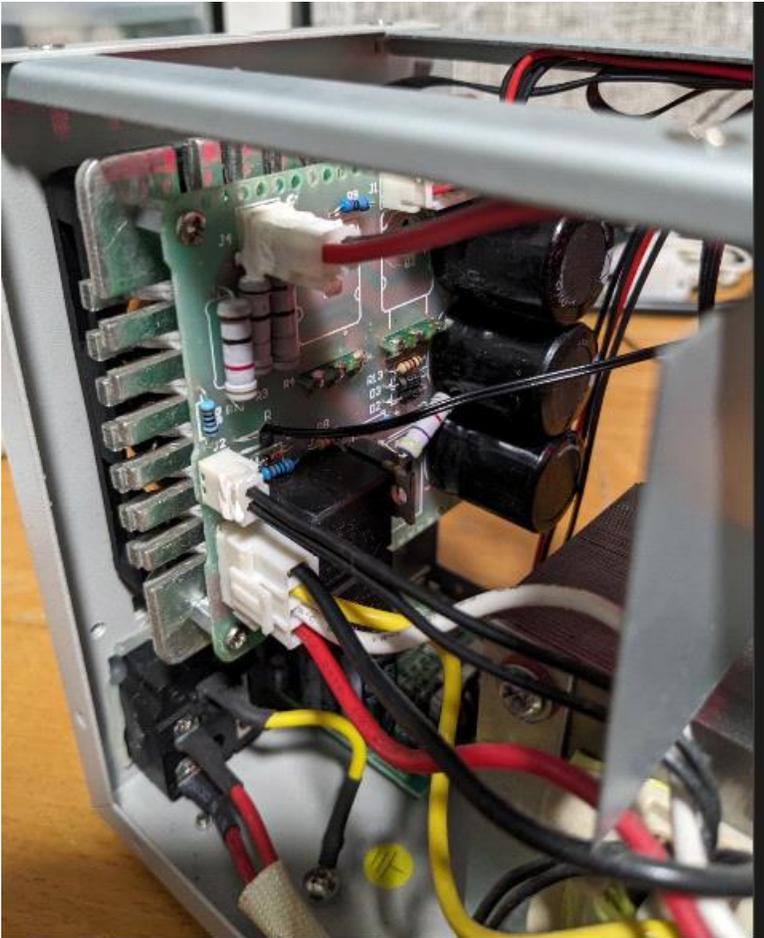


glued the pwm fan controller to the vertical plate above the transformer



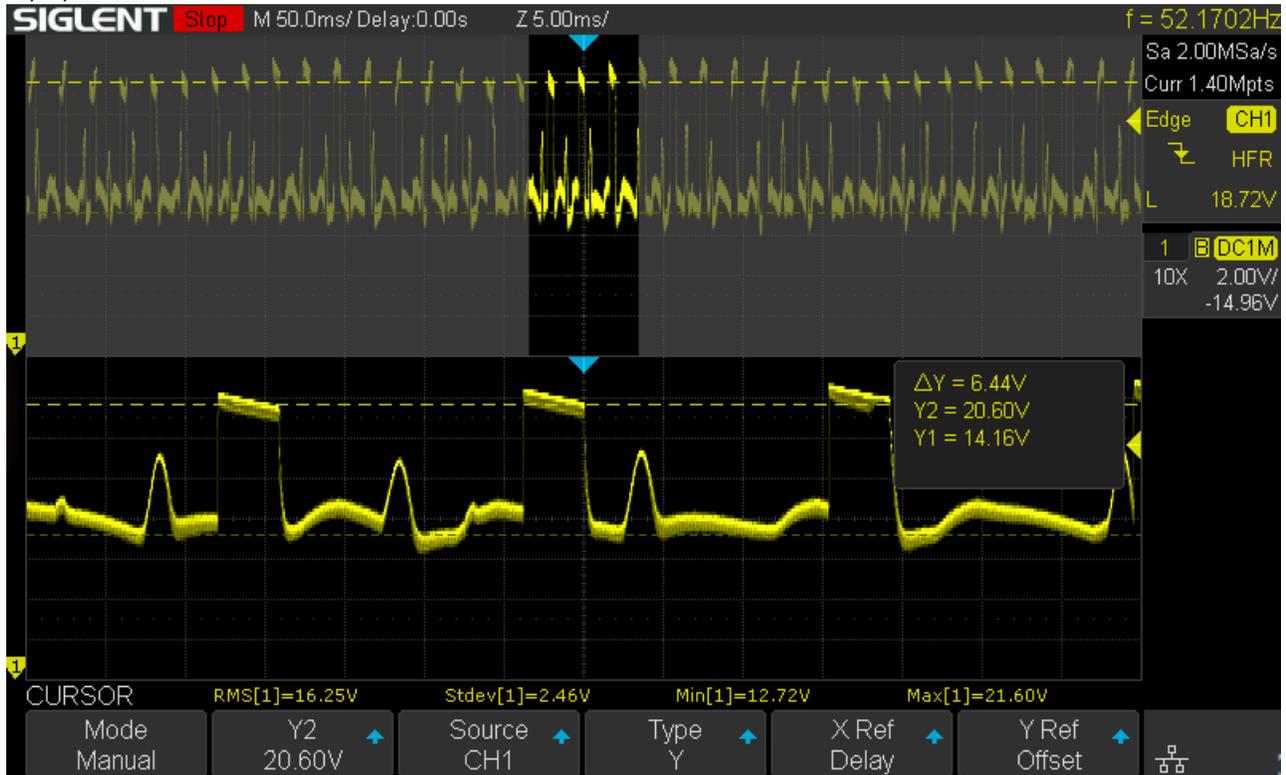


placed the thermistor in the hole of the over temperature thermistor on the power board

Fan supply measurement with fan controller and fan

- fan spinning at low speed

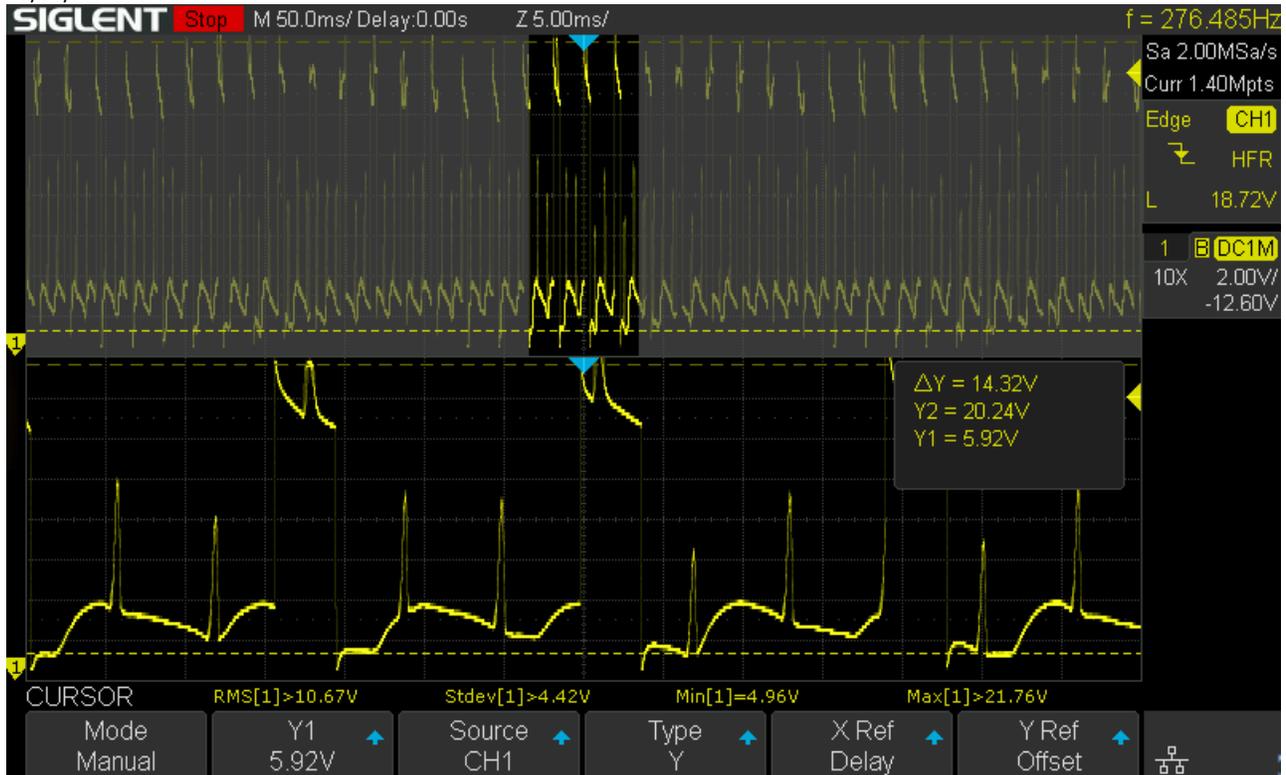
29/02/2024 13:48



Fan supply measurement with fan controller and fan

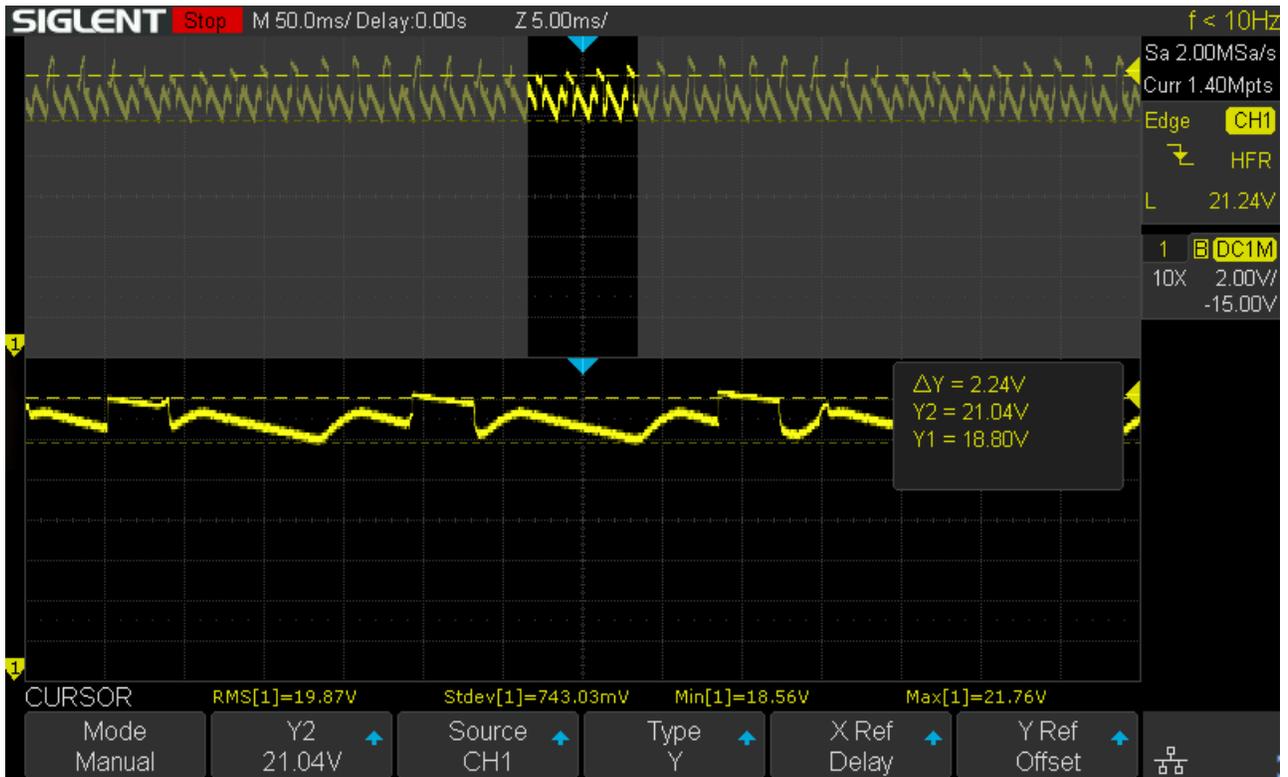
- fan spinning at HIGH speed

29/02/2024 13:56

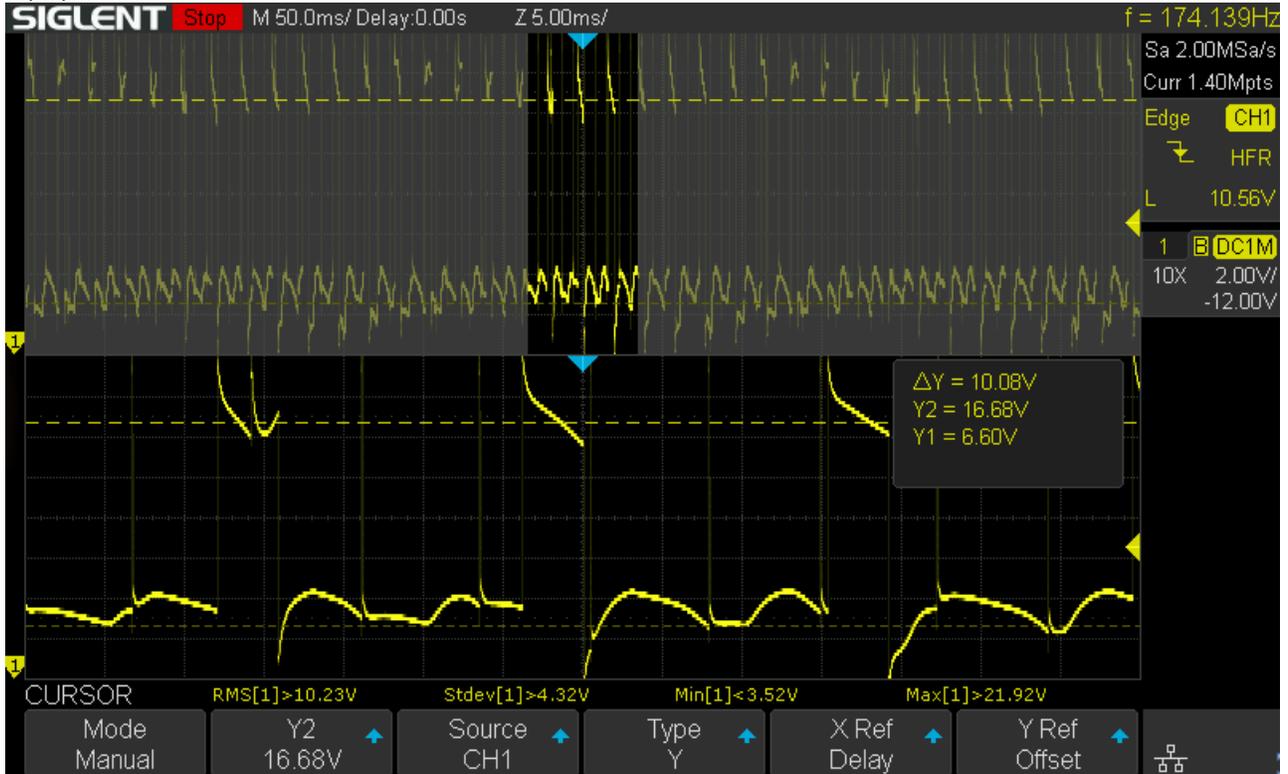


Fan supply measurement with fan controller without fan

29/02/2024 13:59



Original fan
29/02/2024 15:06

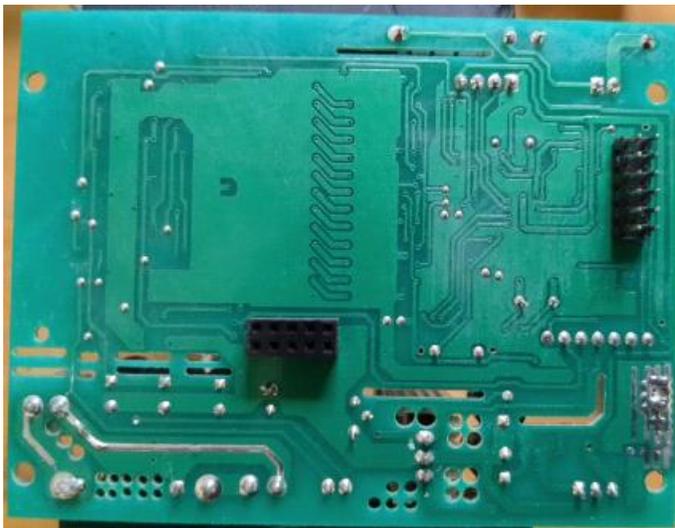
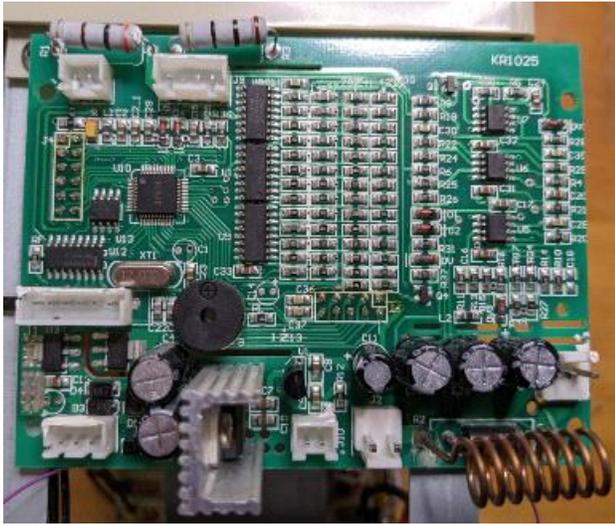


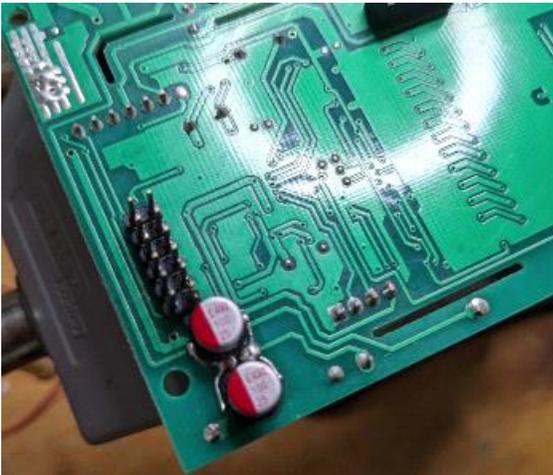
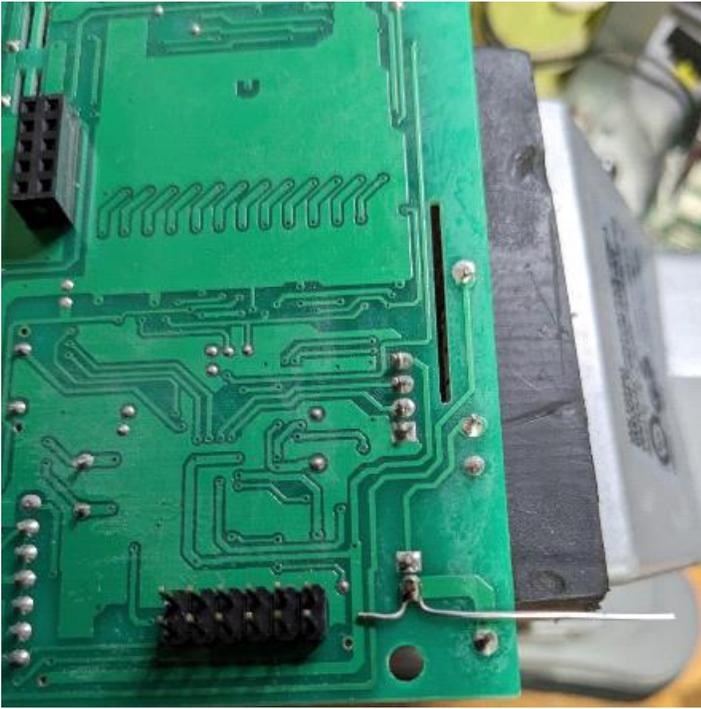
audio-rec1
original fan on desk with weight on it;
original supply

audio-rec2
original fan on desk with without weight on it
original supply

Difficult to hear the difference, no matter no need to put it here it improved. its better to view the waveforms

Adding smoothing capacitors



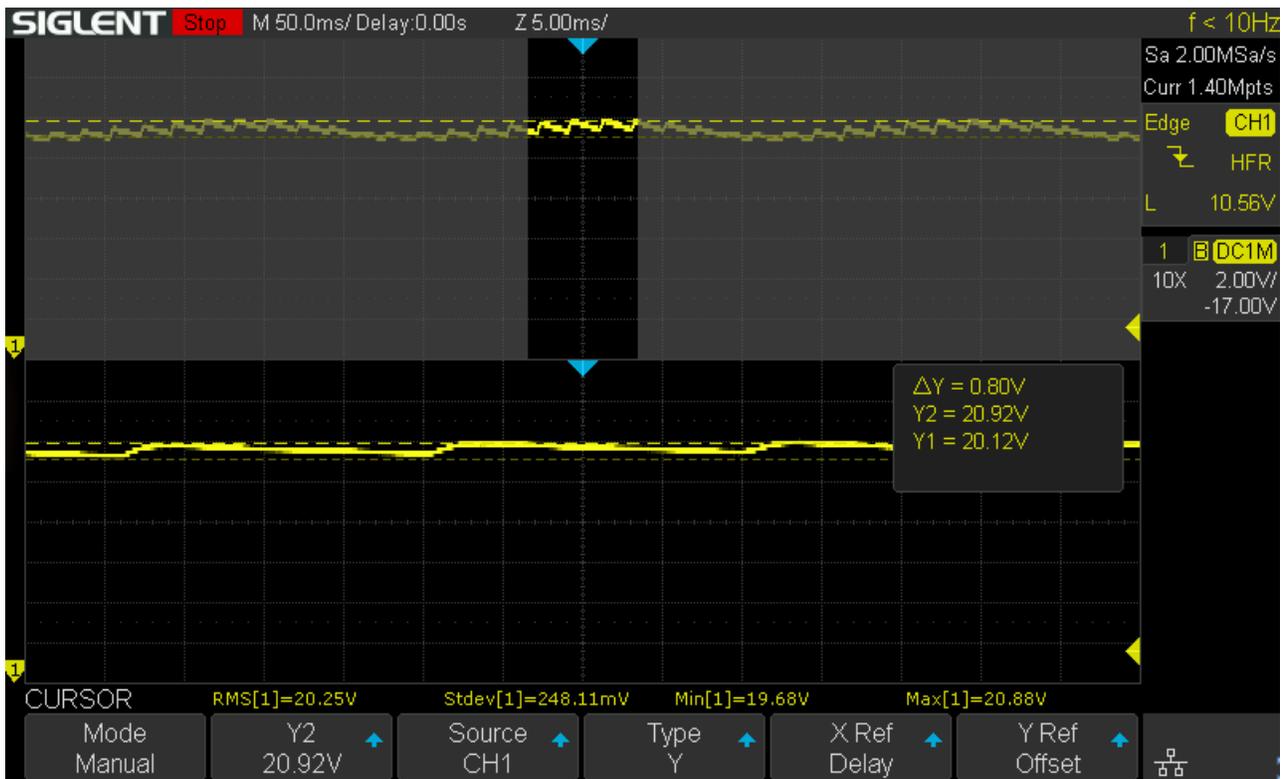


* added 200uF capacitor to smooth the supply

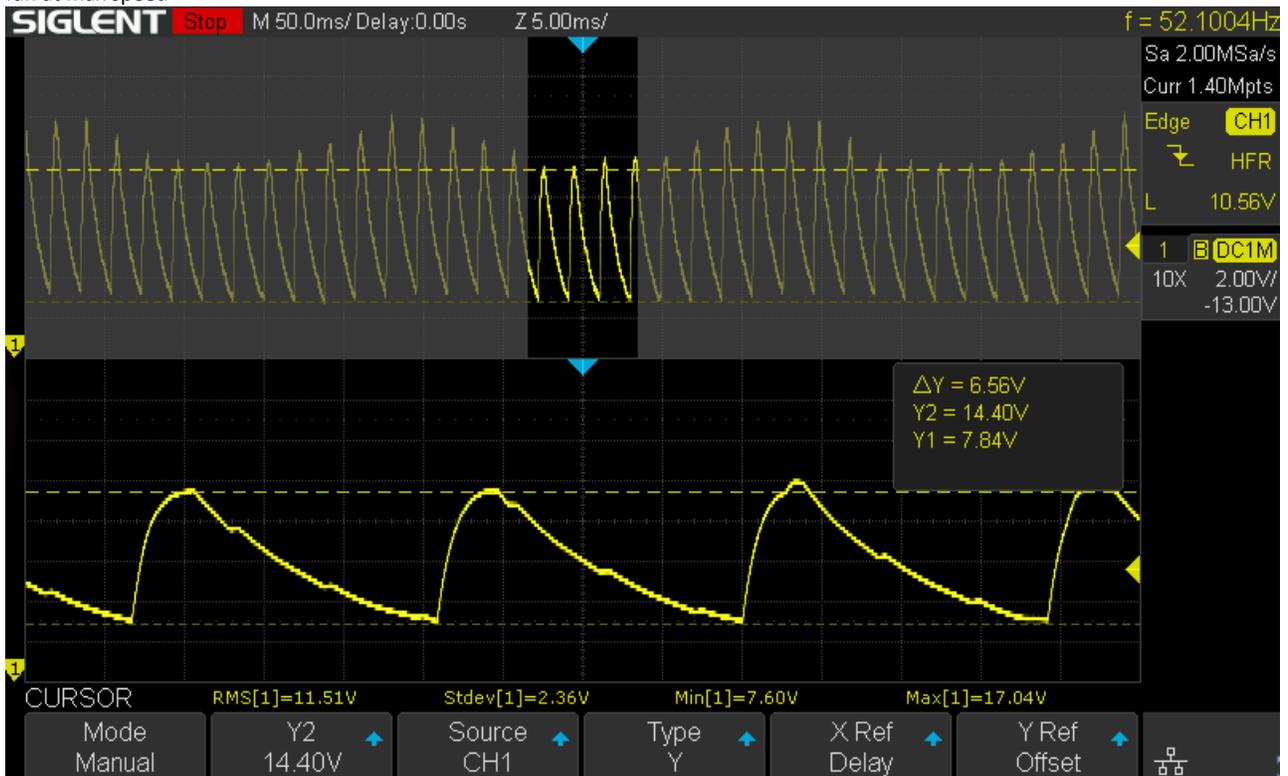
Original fan +200uF

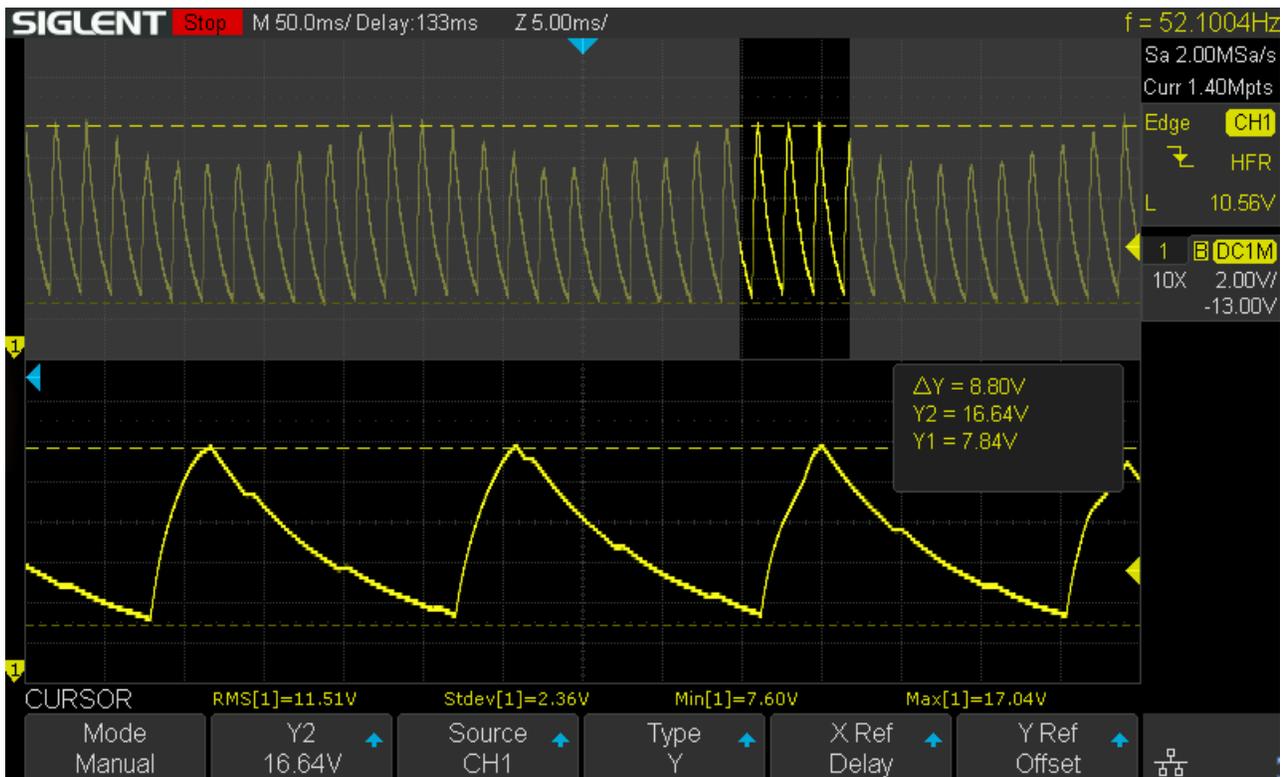


Fan supply measurement with fan controller without fan +200uF

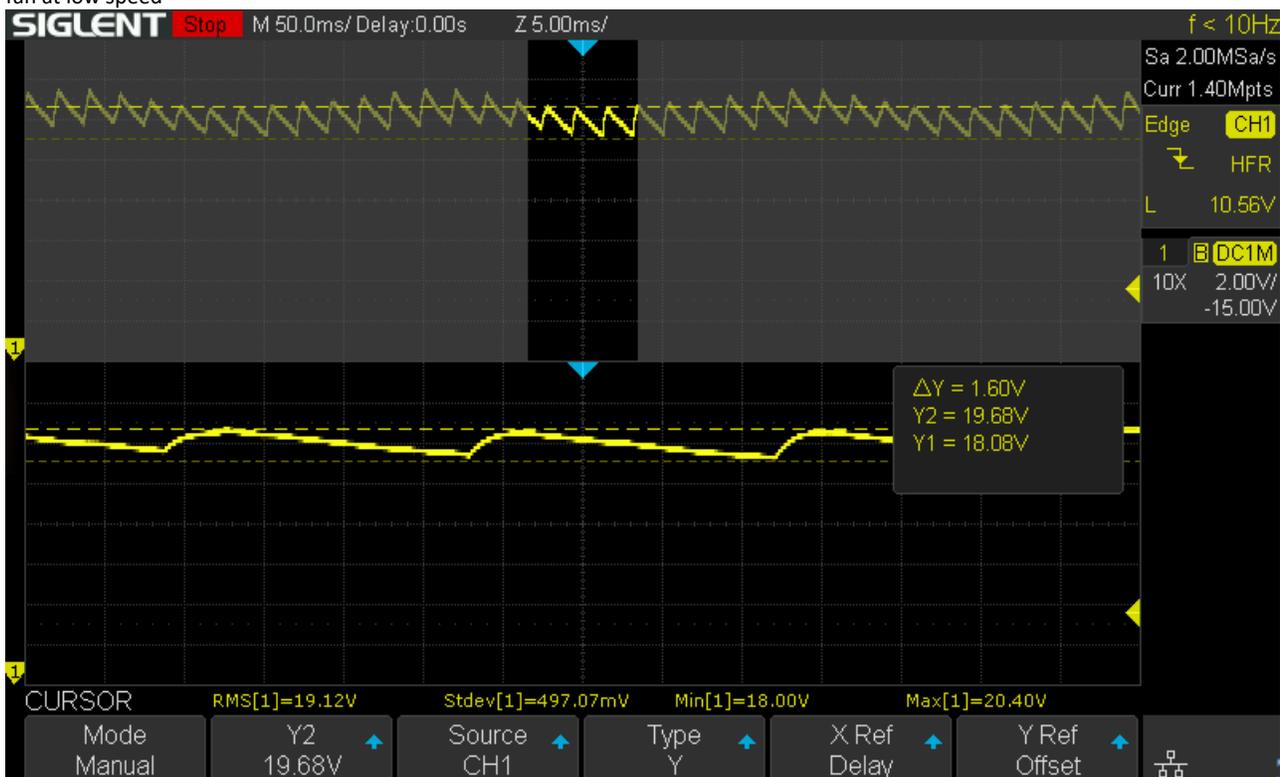


Fan supply measurement with fan controller and fan +200uF fan at max speed





Fan supply measurement with fan controller and fan +200uF fan at low speed



Supply ripple with fan configured at standby speed

Fan controller config:

*There are 19 step settings steps in total (found by changing speed from max to min)

Configured at 5 (press button 5 times with pause in between, starting from minimum speed setting)

