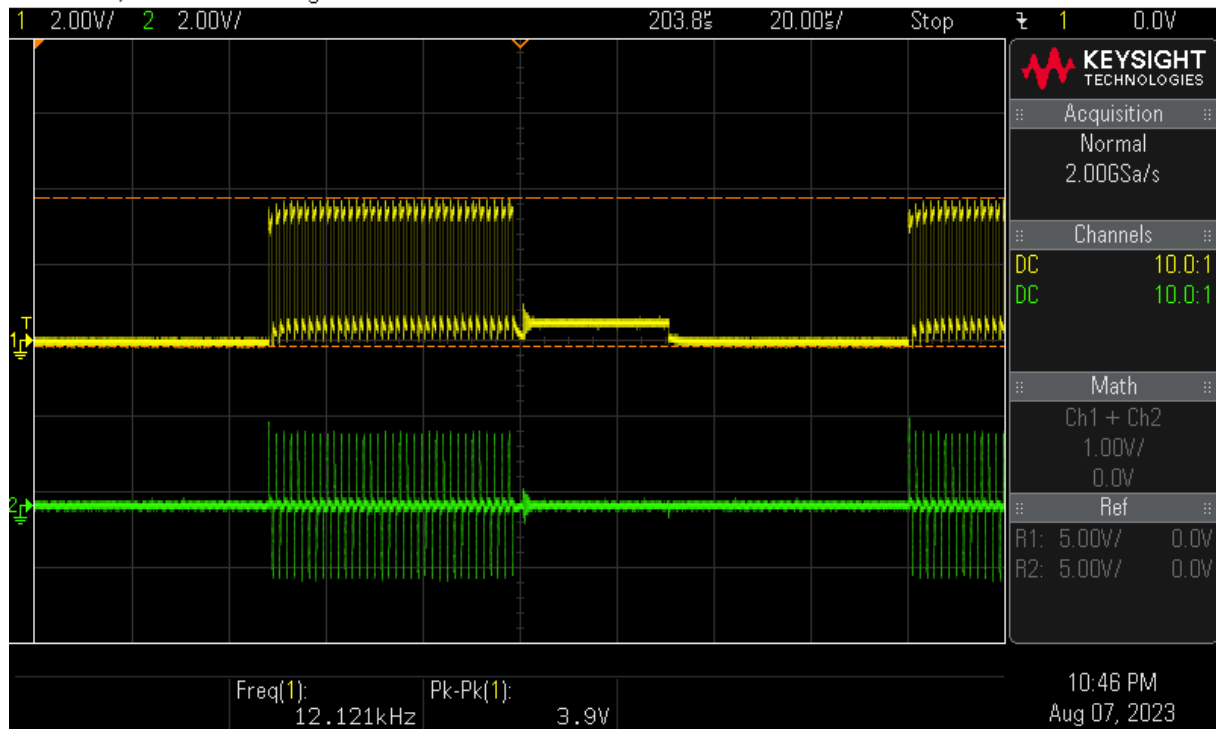
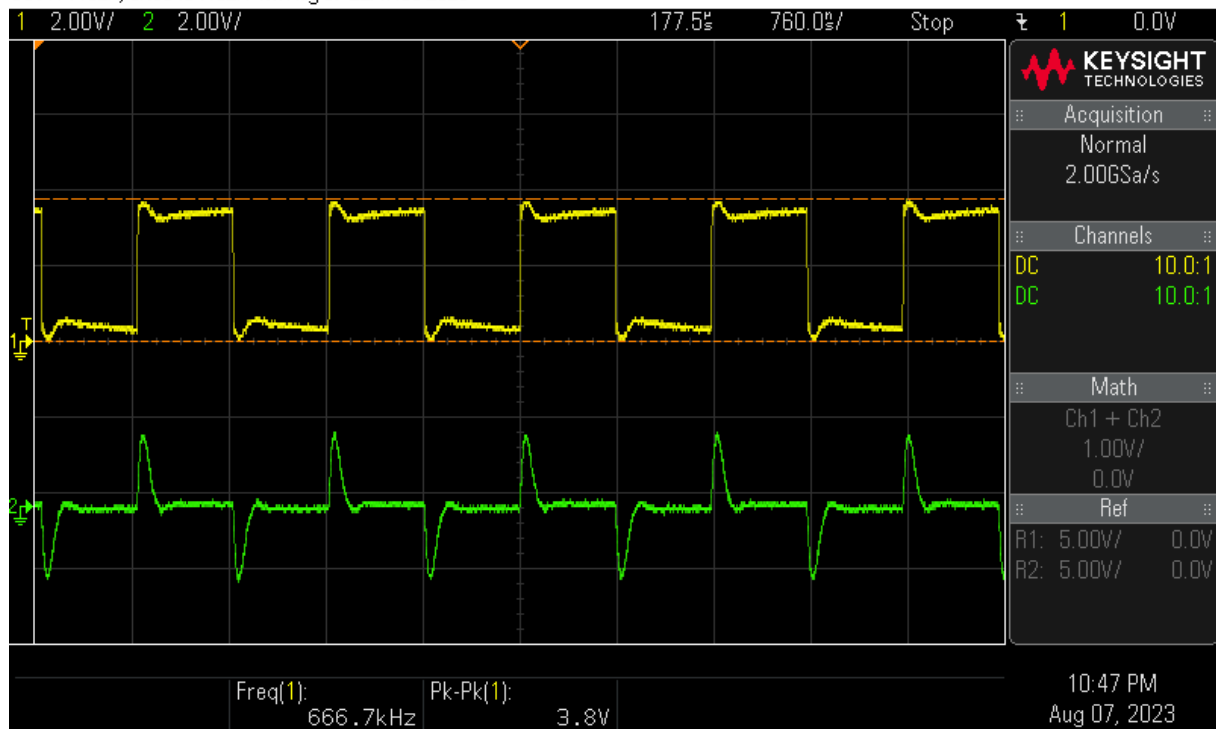


antenna signal gen

DSO-X 1102A, CN58454102: Mon Aug 07 22:46:47 2023



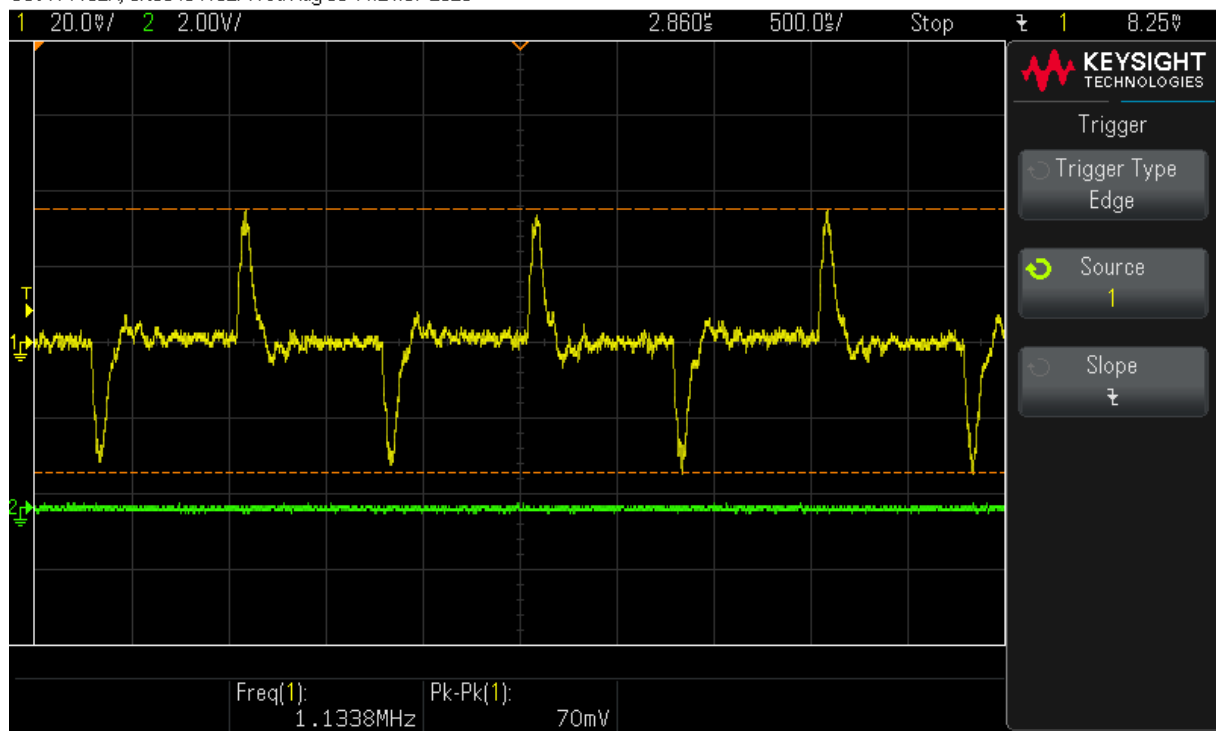
DSO-X 1102A, CN58454102: Mon Aug 07 22:47:59 2023



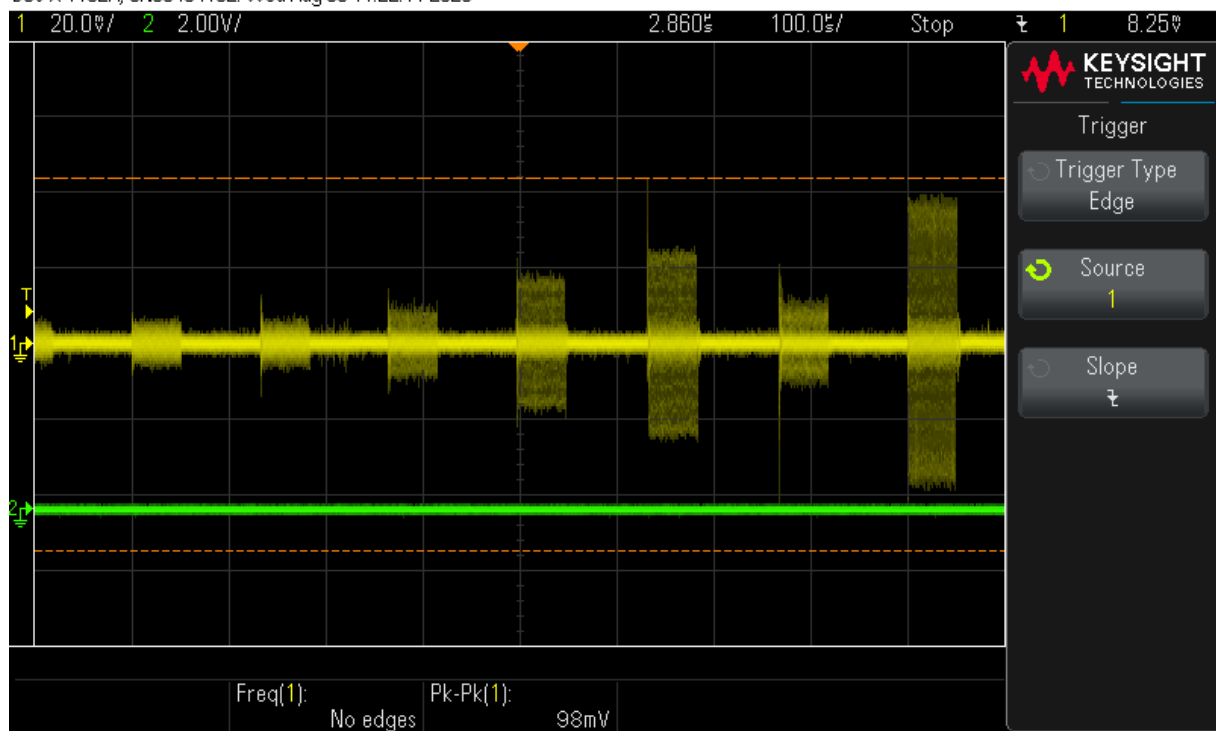
- 1 (yellow): TCLK
 - doesn't appear to change when pen is presented (It is assumed that this pin isn't doing anything during receive cycle, but not checked, cause probing is hard)
- 2 (green): X (Common line of the multiplexers)
 - doesn't appear to change during transmission cycle when pen is presented

magnetic field

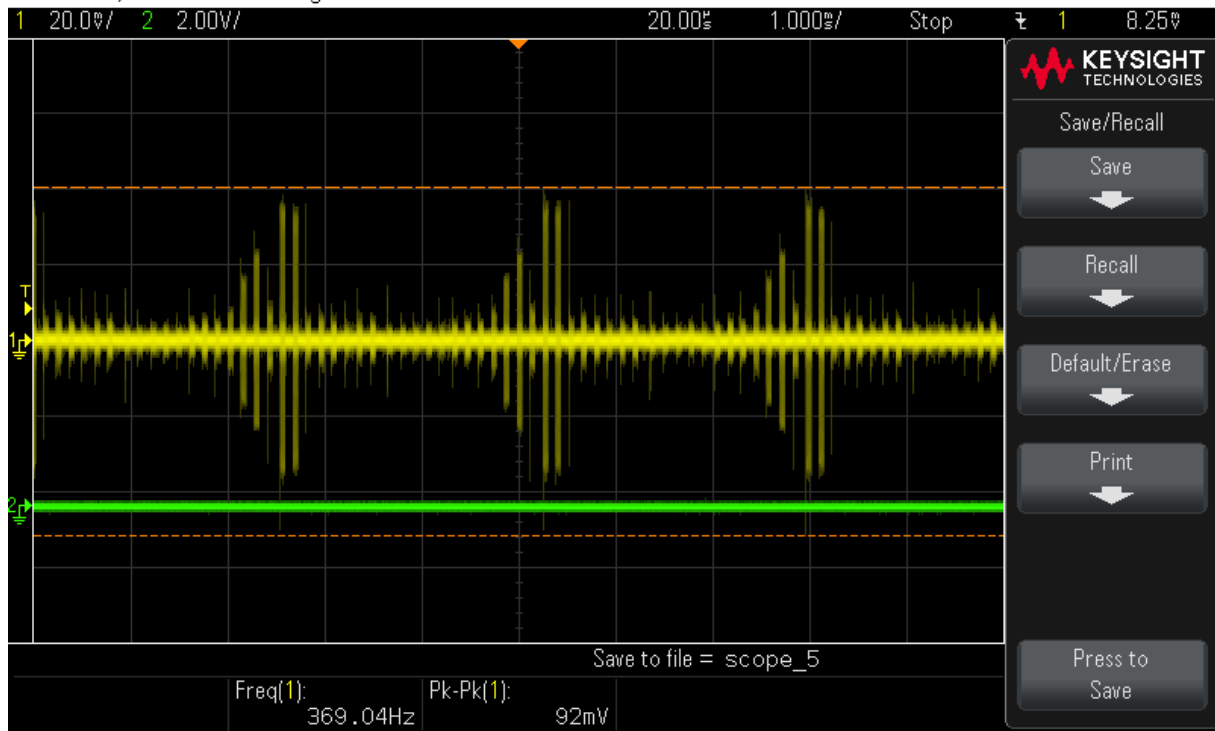
DSO-X 1102A, CN58454102: Wed Aug 09 11:21:37 2023



DSO-X 1102A, CN58454102: Wed Aug 09 11:22:11 2023



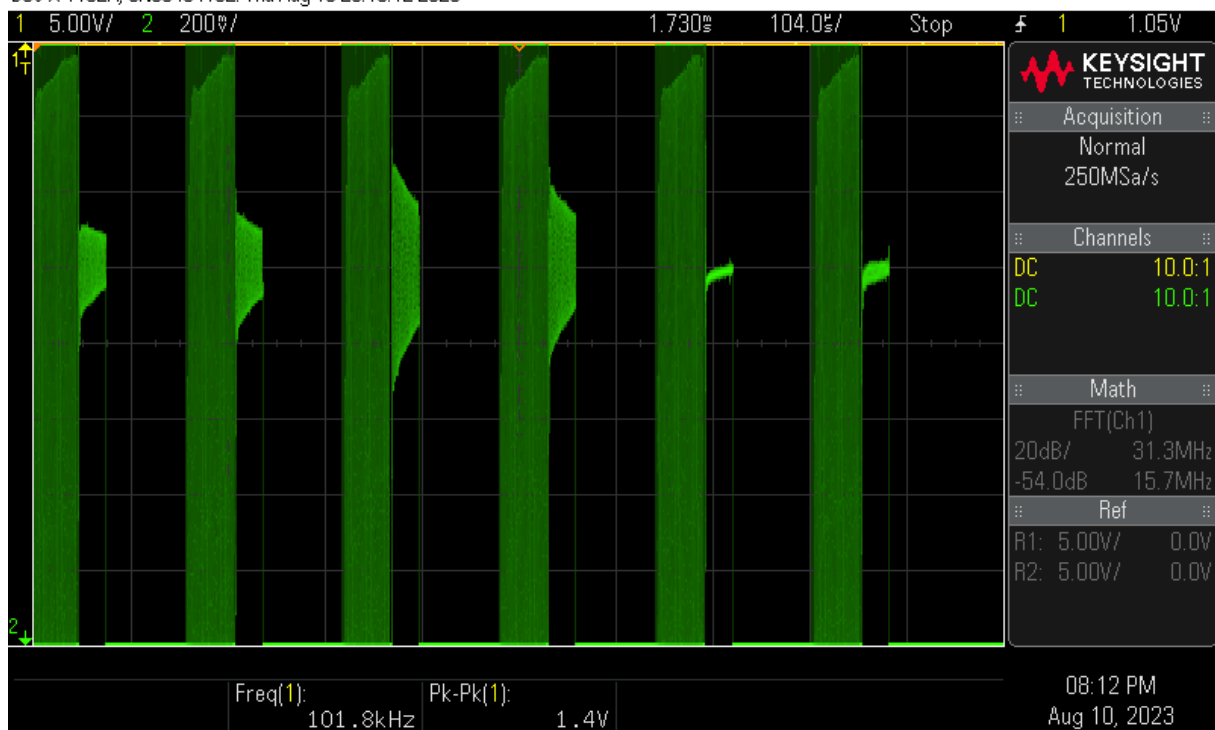
DSO-X 1102A, CN58454102: Wed Aug 09 11:22:37 2023



I think the different amplitudes are the processor probing through the matrix.

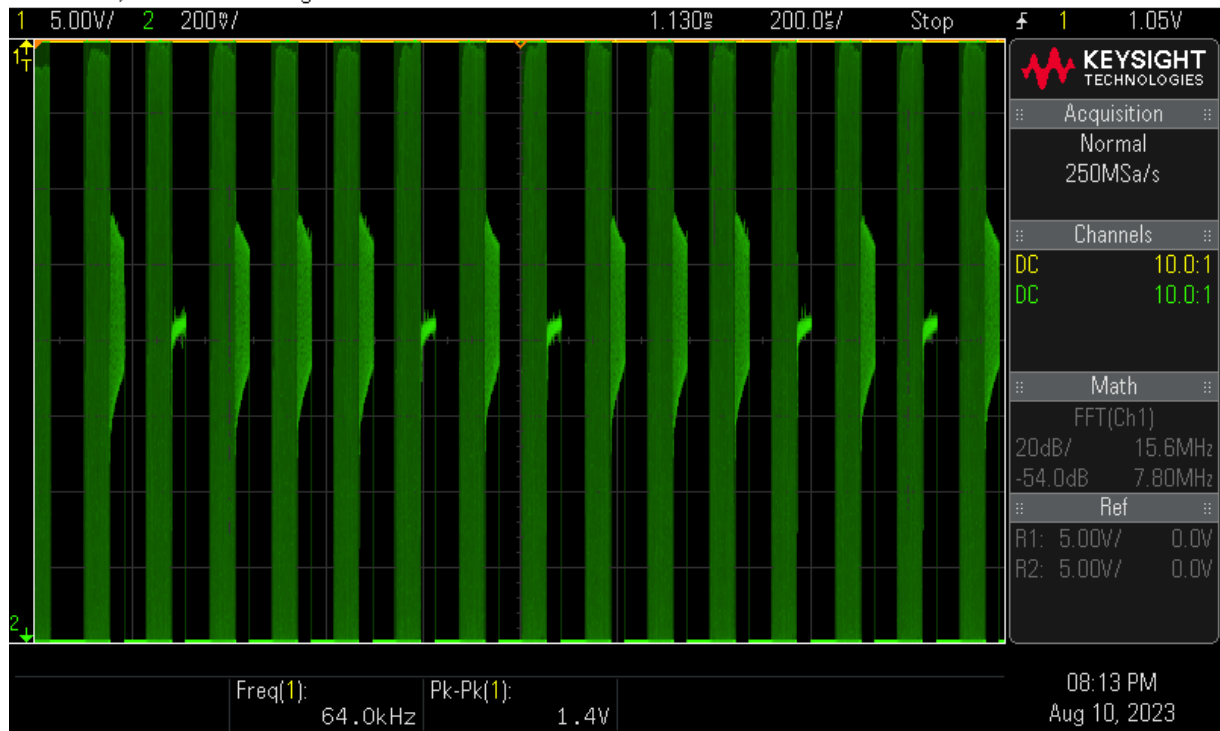
Data from the pen

DSO-X 1102A, CN58454102: Thu Aug 10 20:13:12 2023



Data from the included pen, doesn't look very clear, might be because I partially ruined the pen, and it isn't exactly at a nice angle

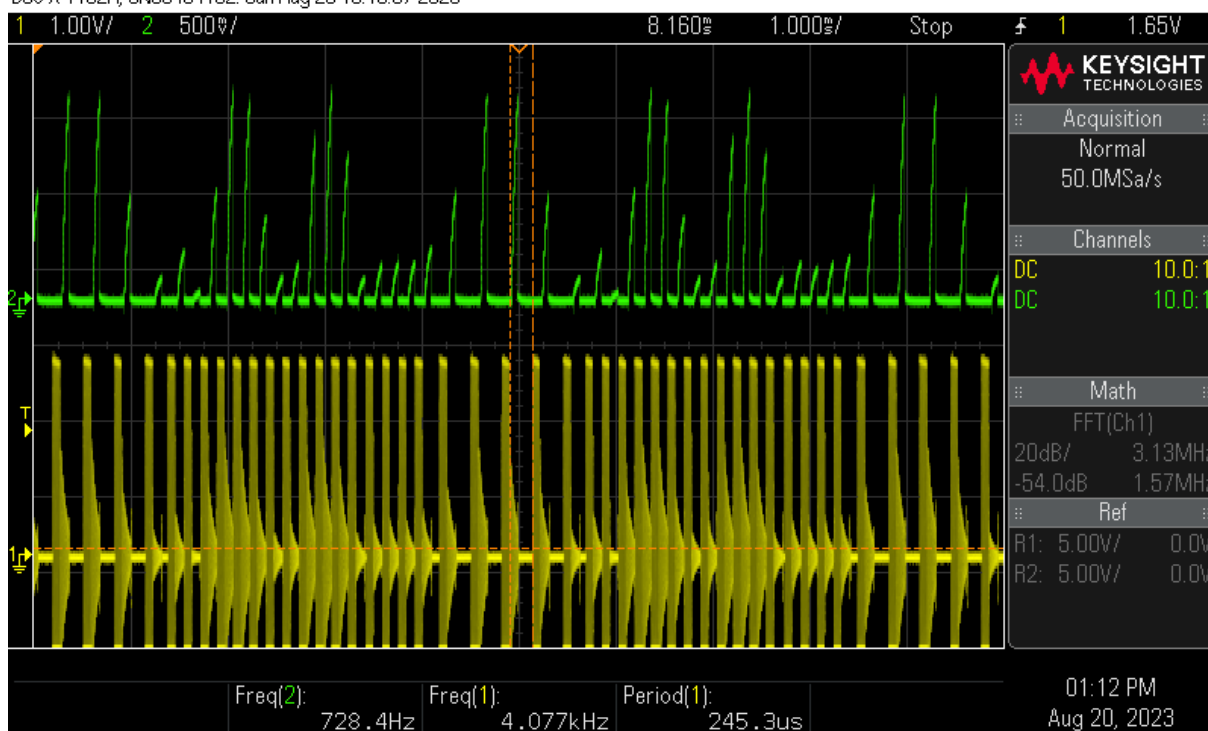
DSO-X 1102A, CN58454102: Thu Aug 10 20:14:07 2023



, Data from an incompatible pen, from a different wacom tablet

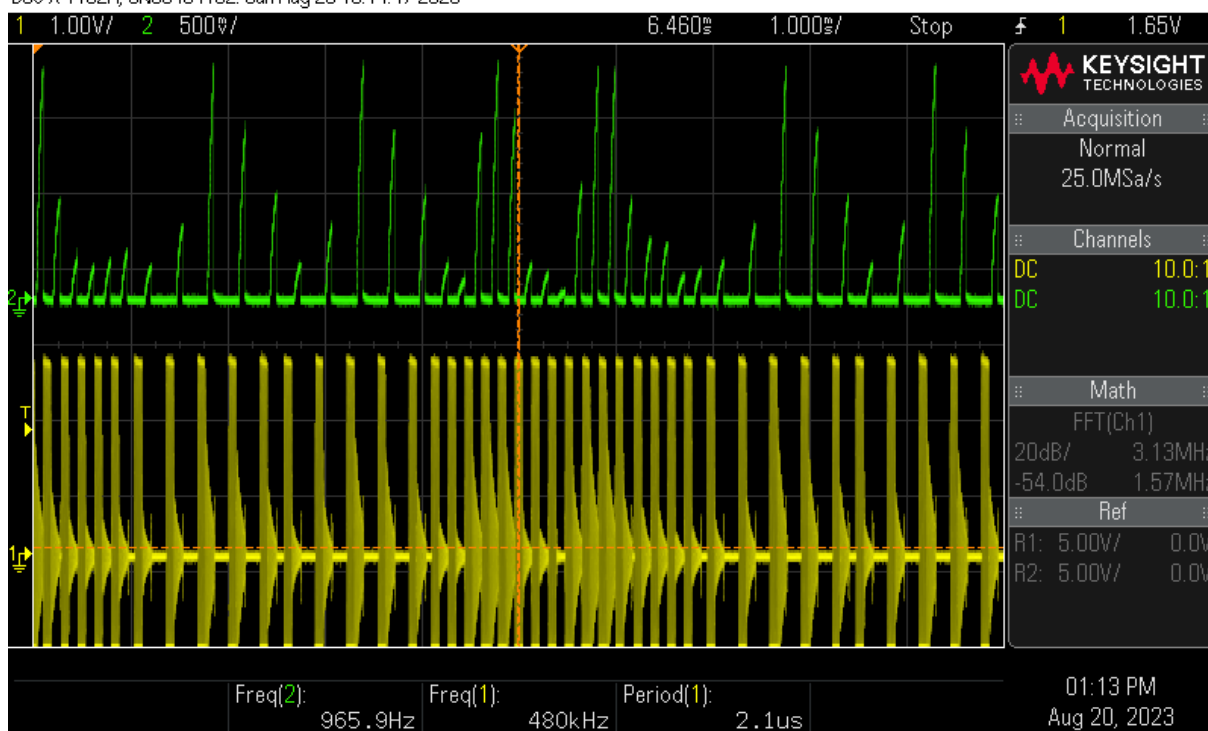
Huion

DSO-X 1102A, CN58454102: Sun Aug 20 13:13:37 2023



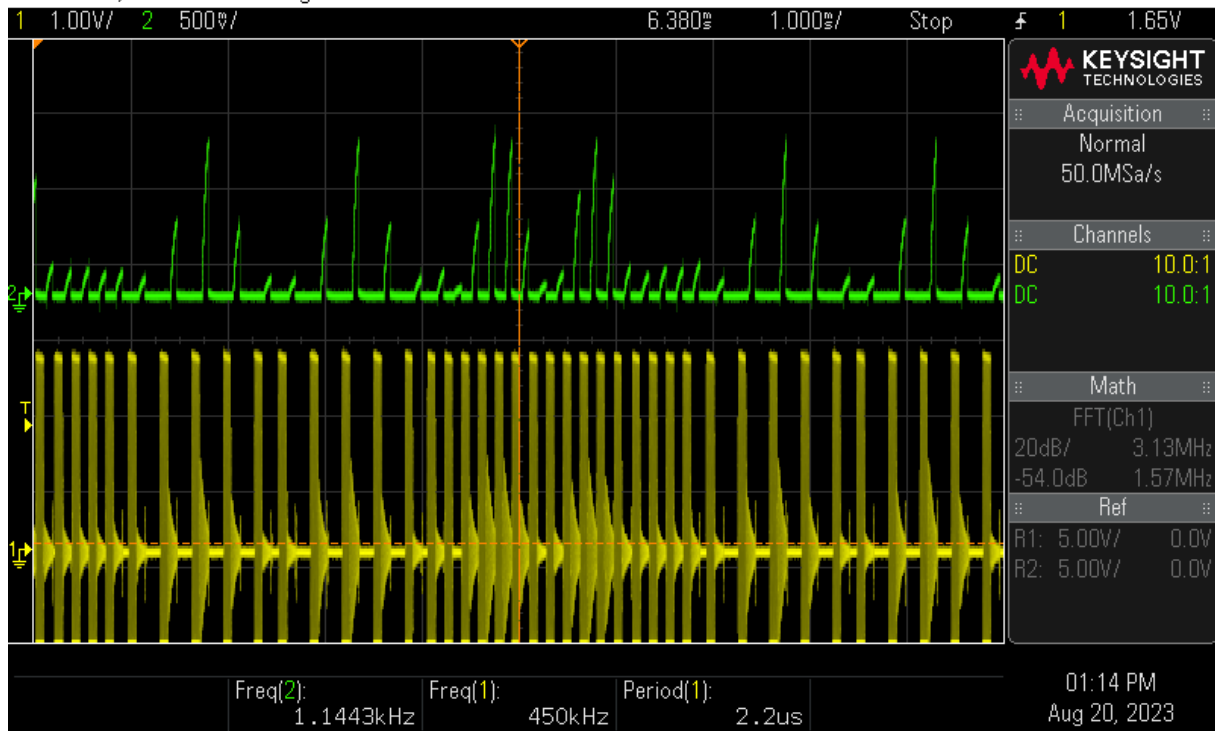
no pressure

DSO-X 1102A, CN58454102: Sun Aug 20 13:14:47 2023



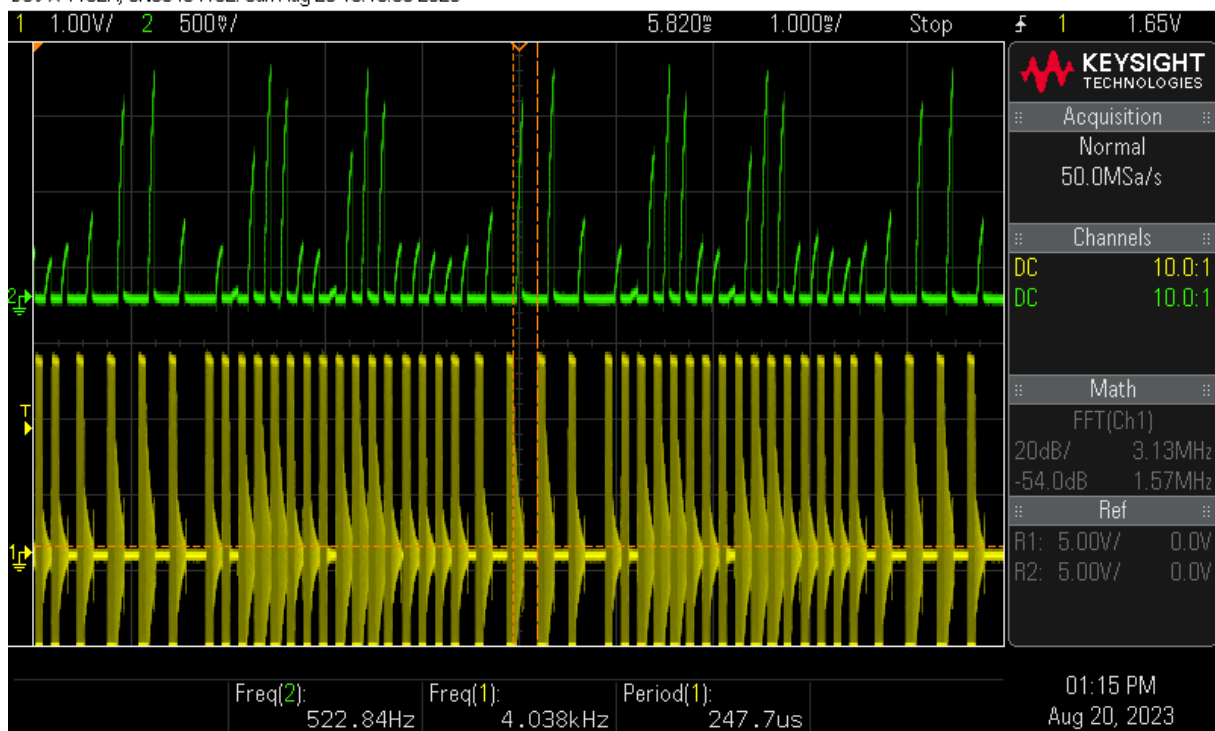
top button

DSO-X 1102A, CN58454102: Sun Aug 20 13:15:22 2023



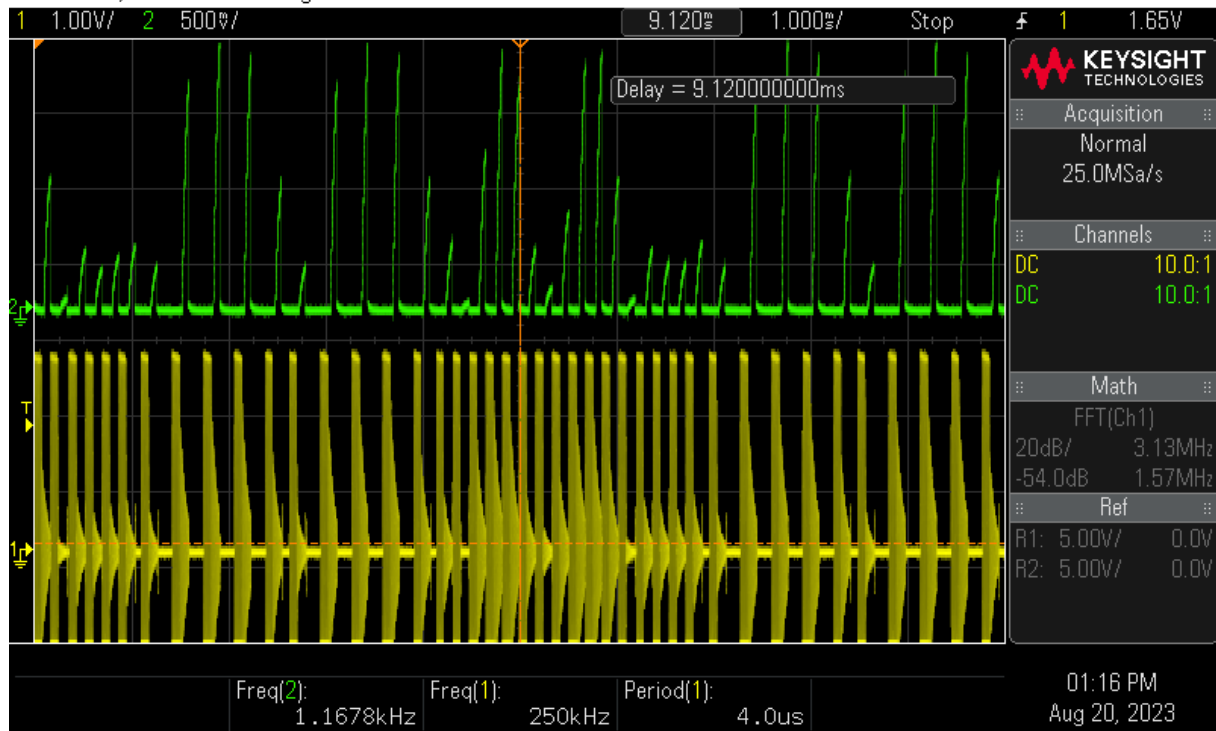
bottom button

DSO-X 1102A, CN58454102: Sun Aug 20 13:16:09 2023



lots of pressure

DSO-X 1102A, CN58454102: Sun Aug 20 13:17:21 2023



lots of pressure + top button

high frequency pulses section seems to be the same pulse at the same amplitude returned over different coils