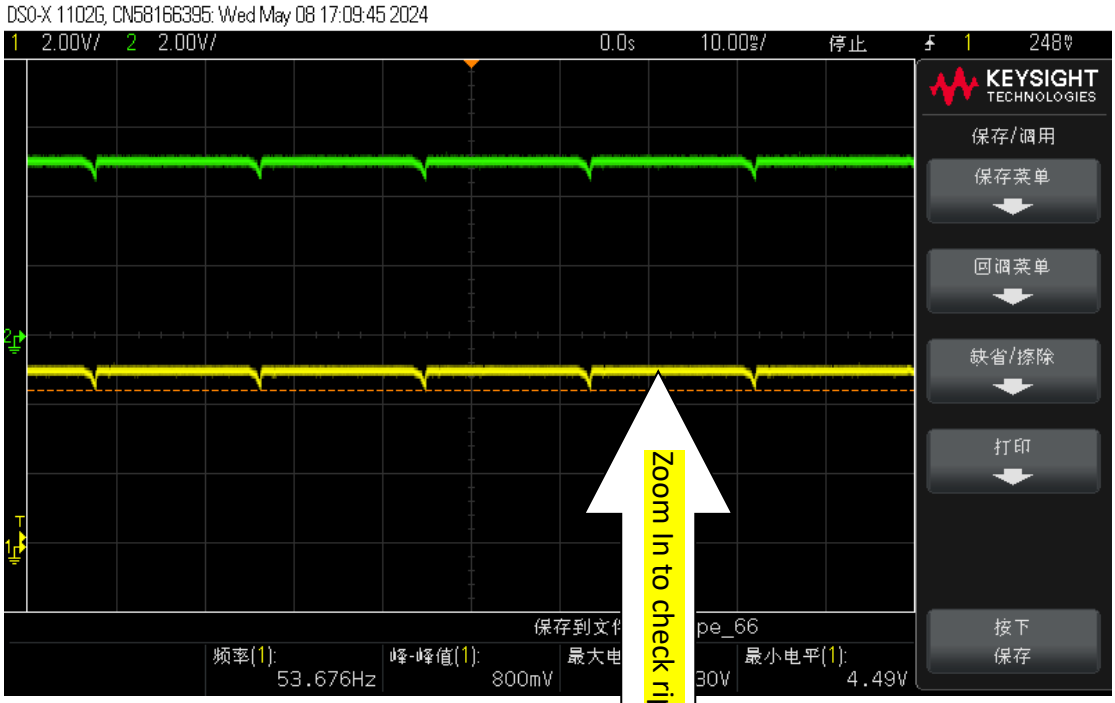
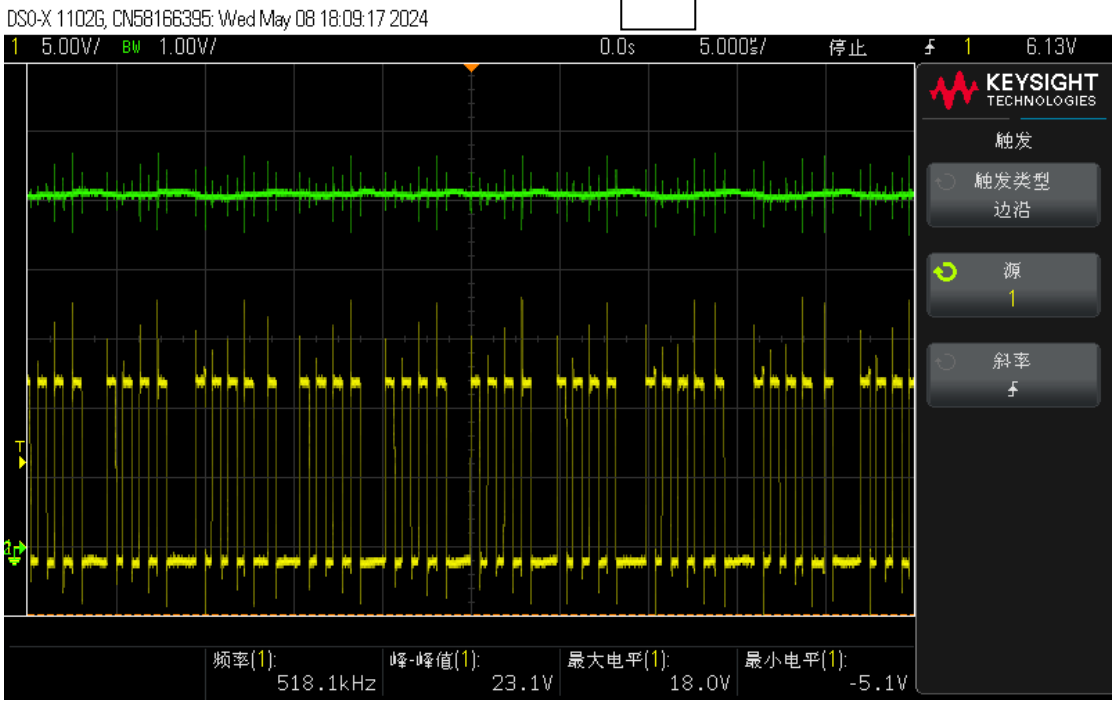
Waveforms.

1、LDO5P0 & BUCK1_+5V



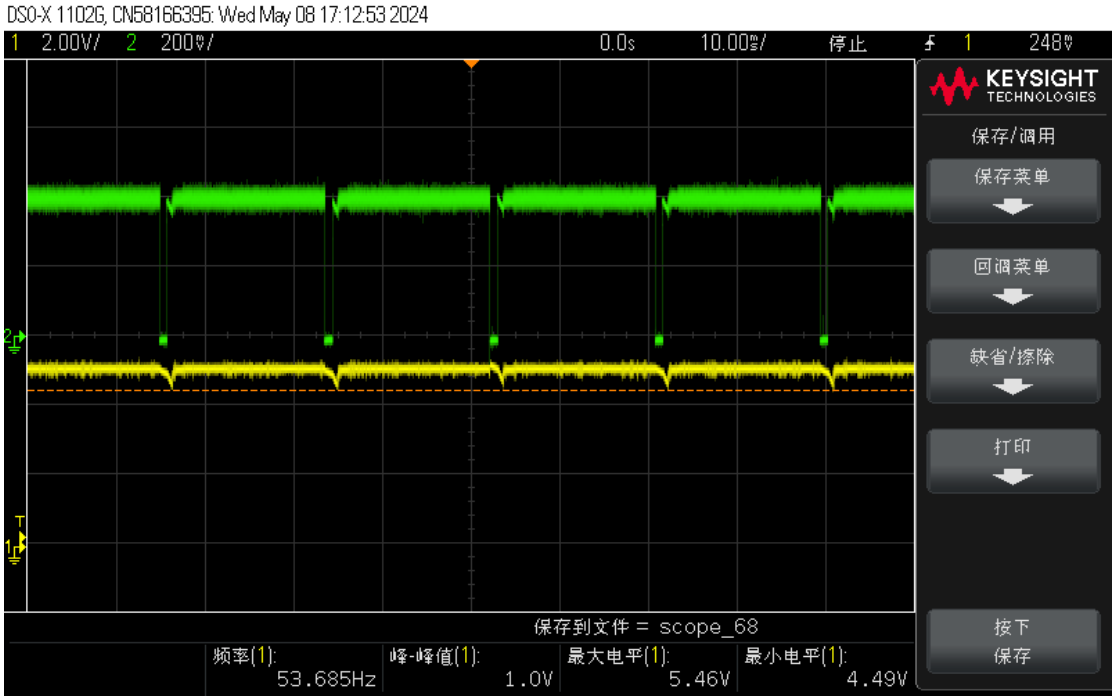
Zoom In to check ripple in Fig 2.

2、BUCK1_SW1 & BUCK1_+5V



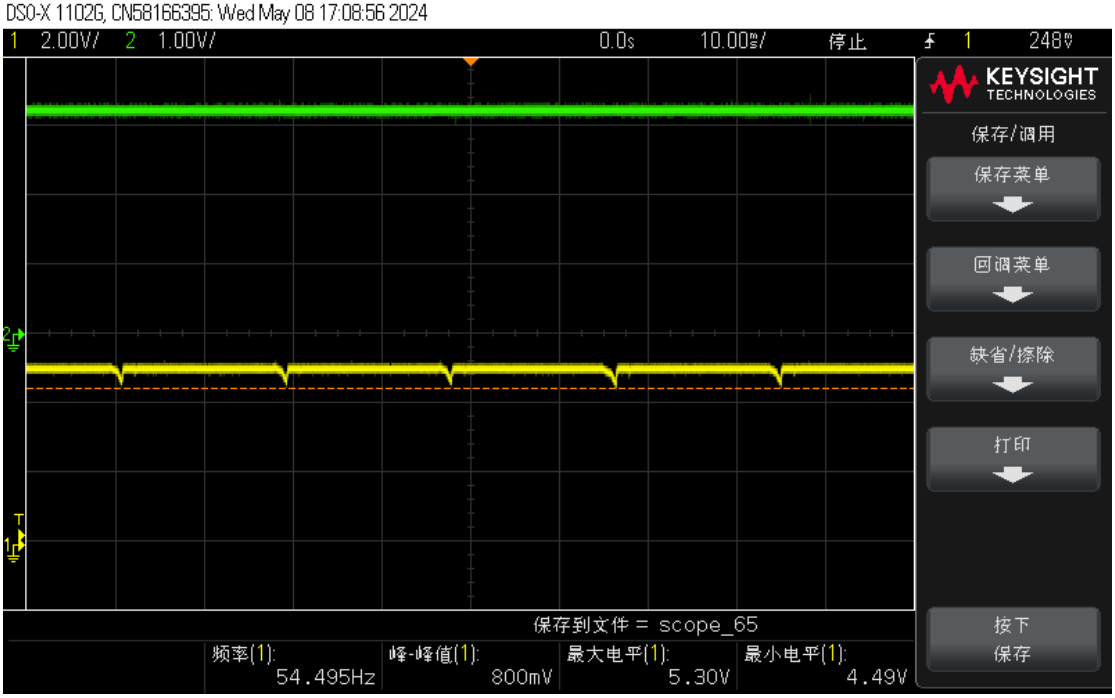
there is no big ripple on BUCK1_+5v;

3、BUCK1_+5V & FBVOUT1

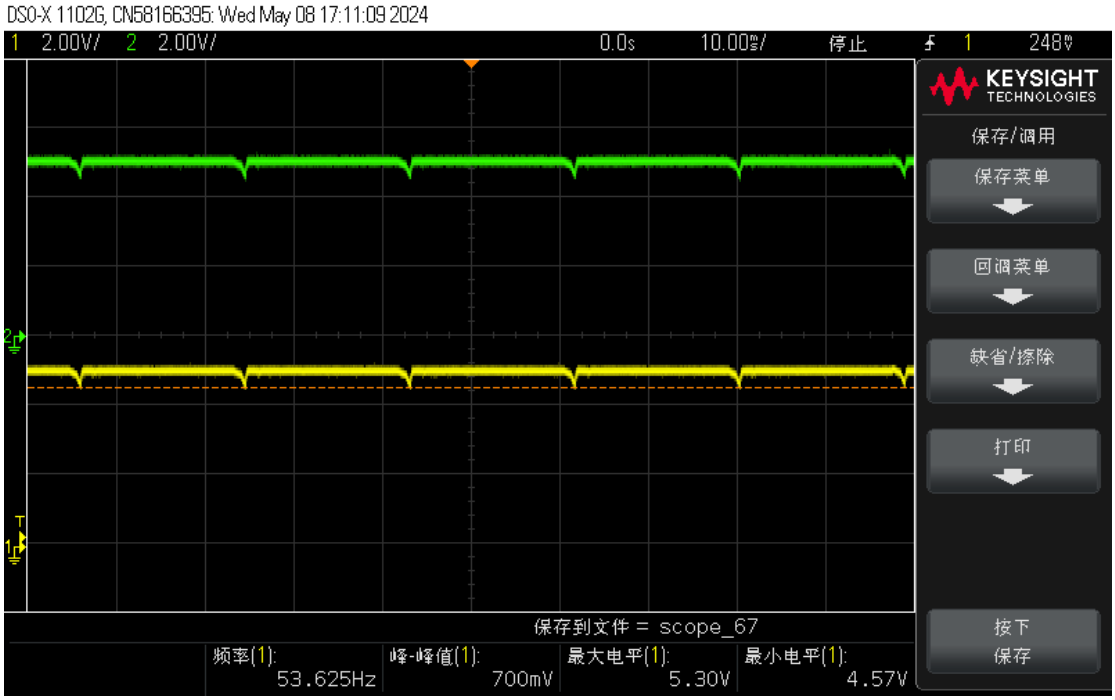


Question: BUCK1_+5V is not drip to zero, does tps6508641 let FBVOUT1=0? What possible reason?

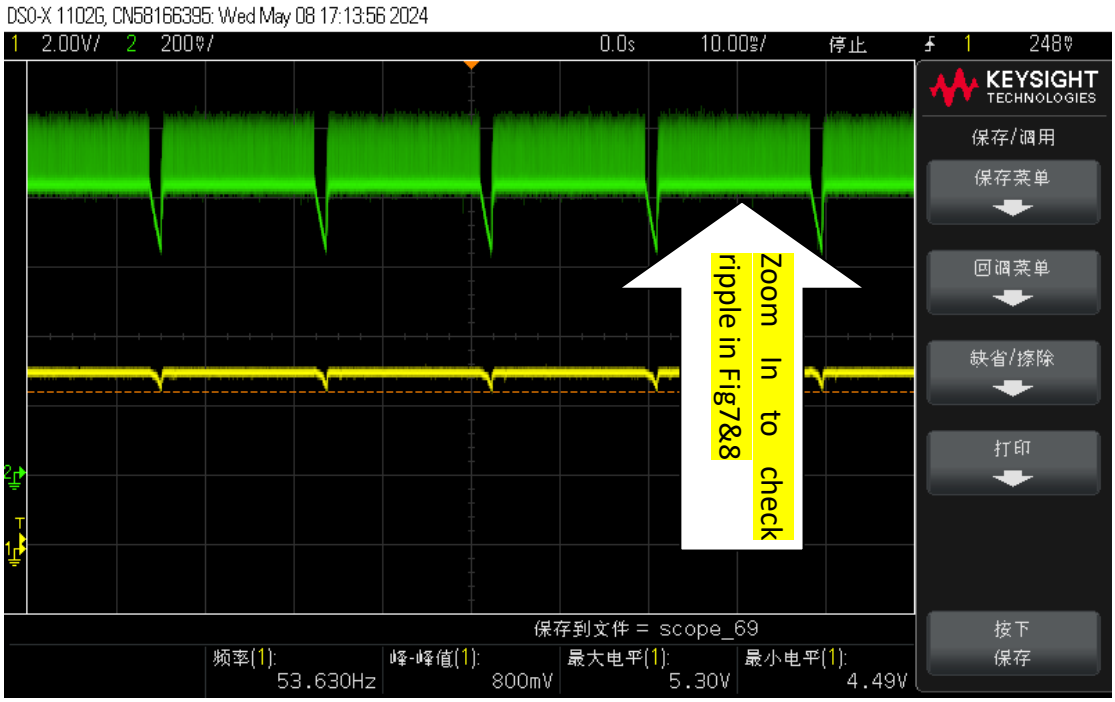
4、LDO5P0 & LDO3P3



5、LDO5P0 & V5ANA

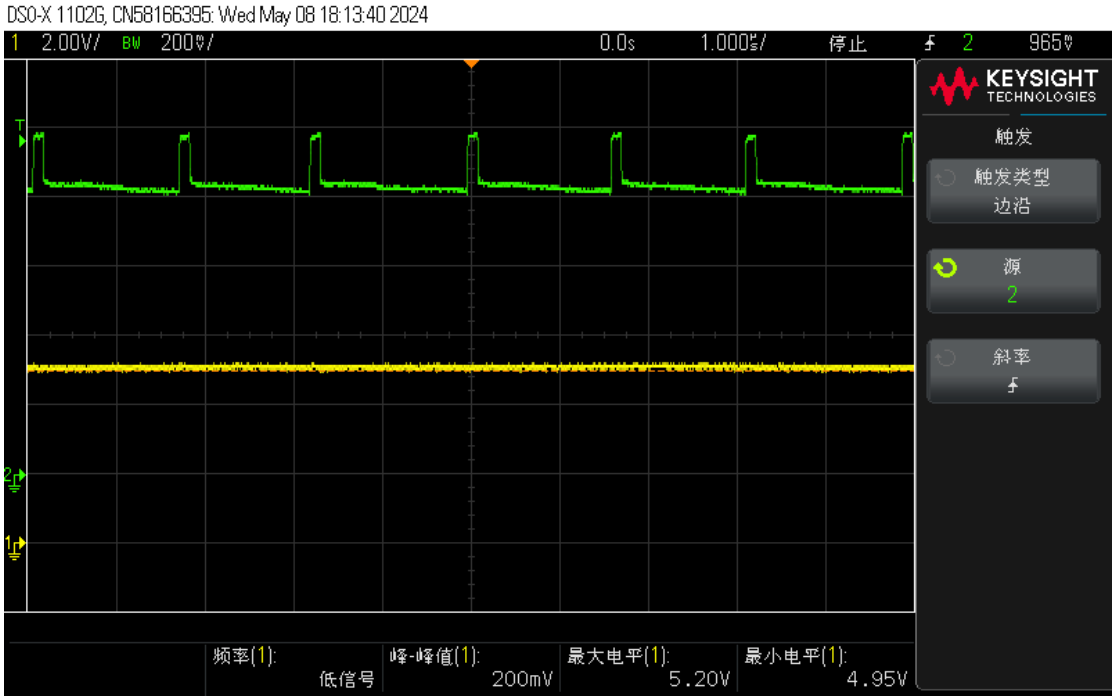


6、LDO5P0 & BUCK2_0.85V（1）

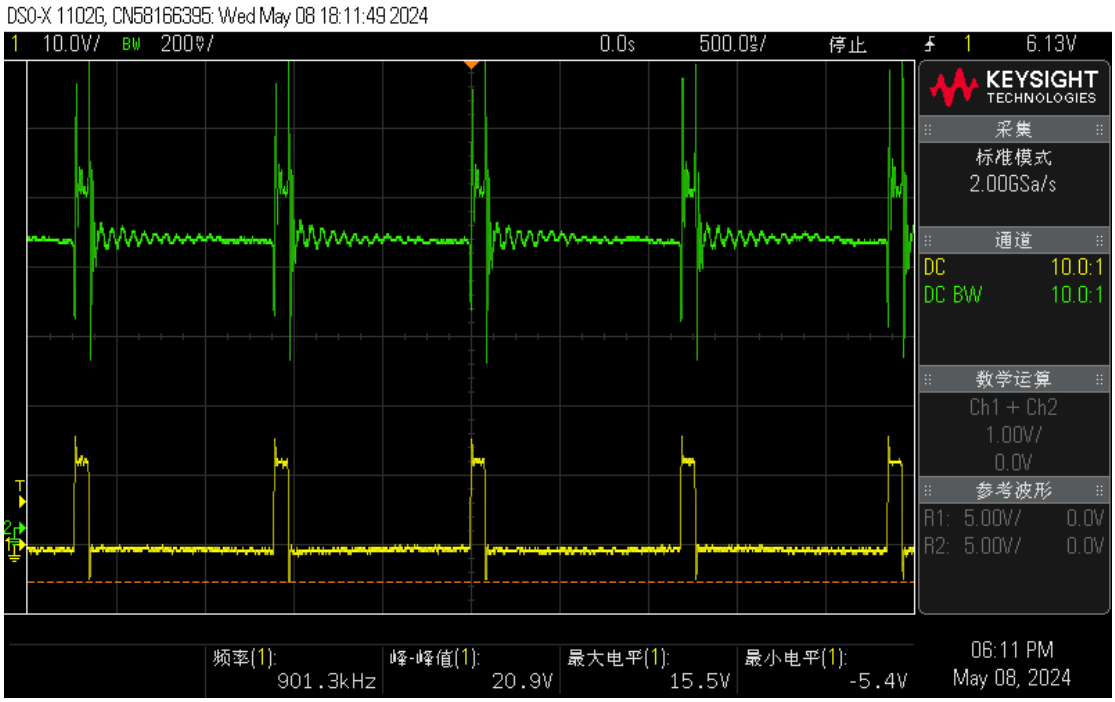


Question: there are big ripple on buck 2, compare with other BUCKx output.

7、LDO5P0 & BUCK2_0.85V（2）

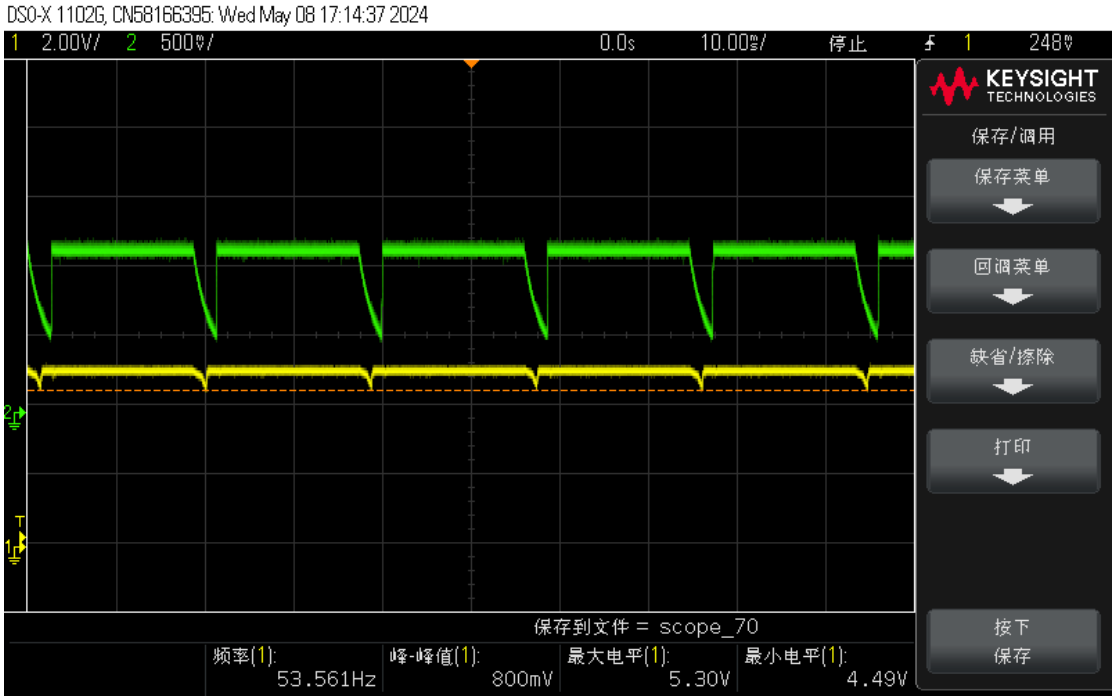


8、BUCK2_SW2 & BUCK2_0.85V

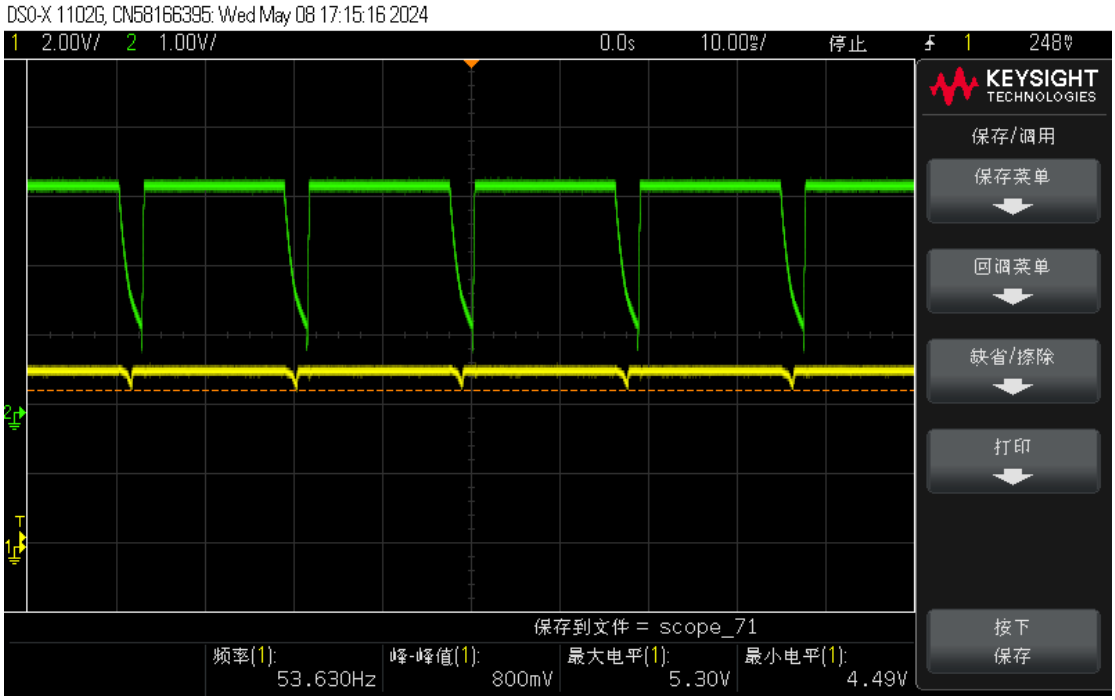


there are big ripple on buck 2

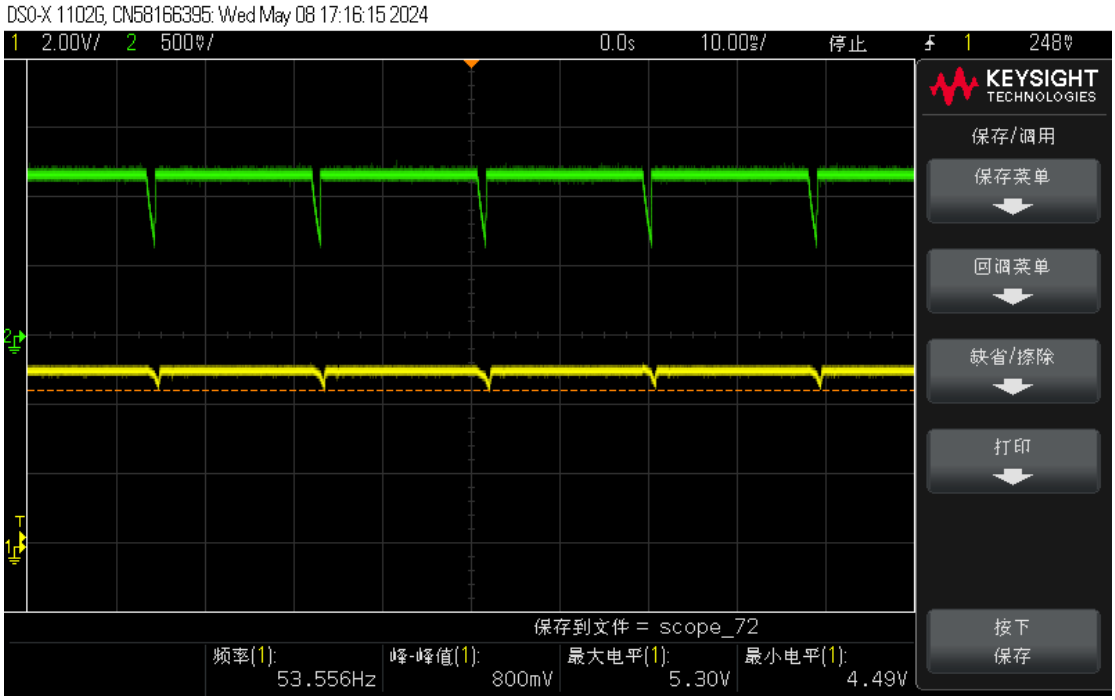
9、LDO5P0 & BUCK3_1.2V



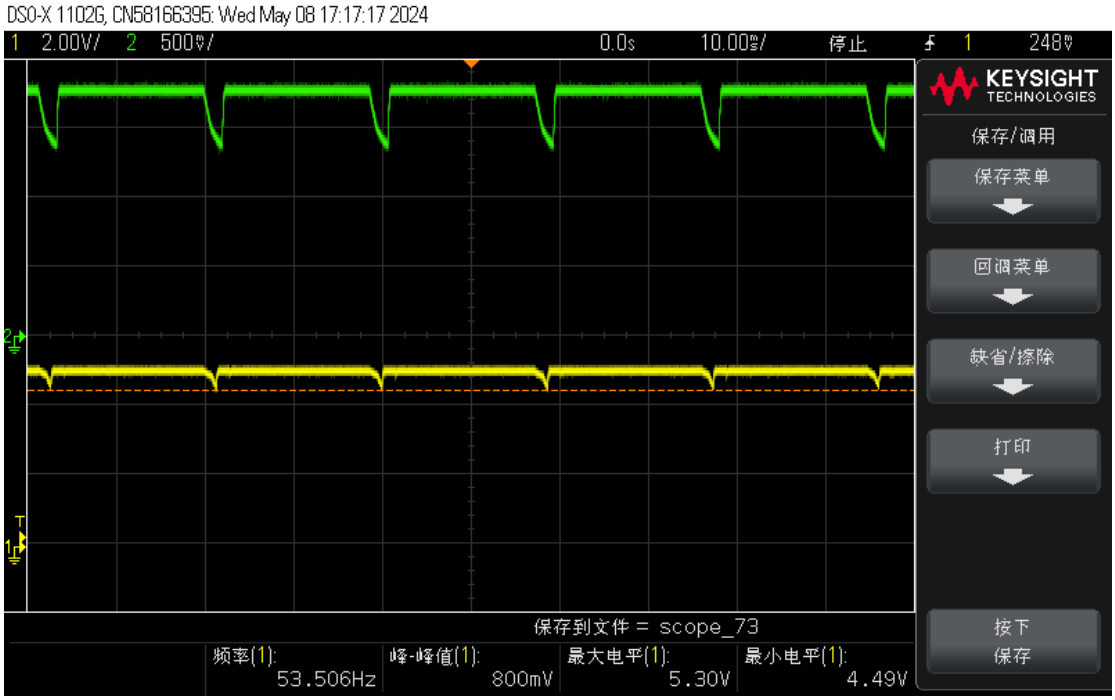
10、LDO5P0 & BUCK4_3V3



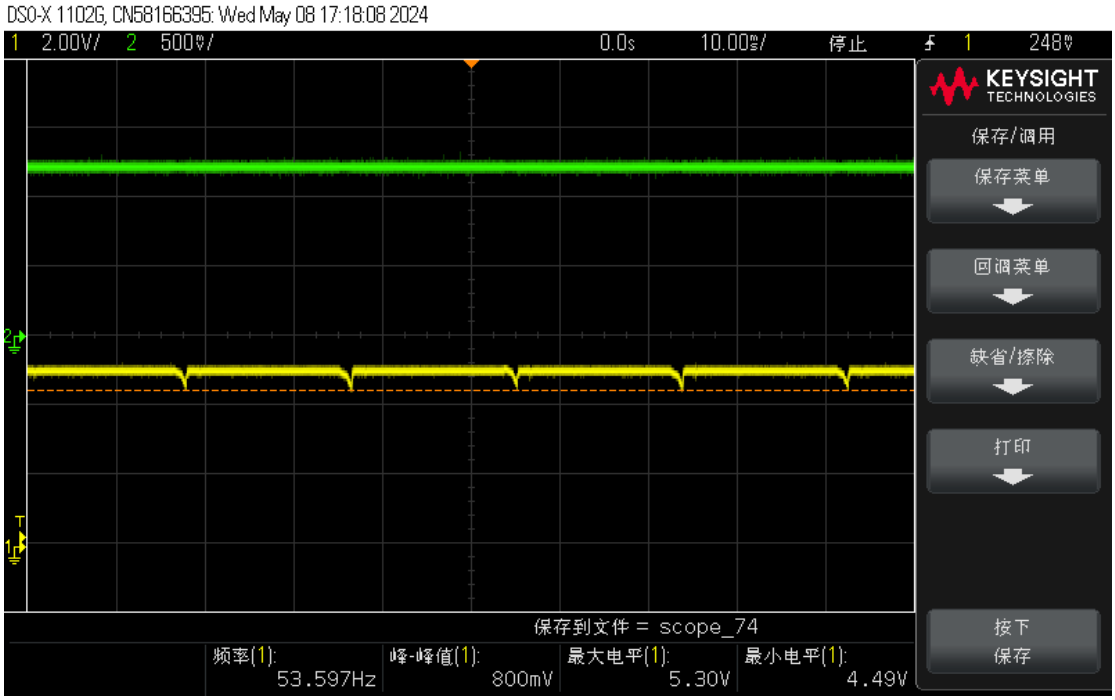
11、LDO5P0 & BUCK5_1V2



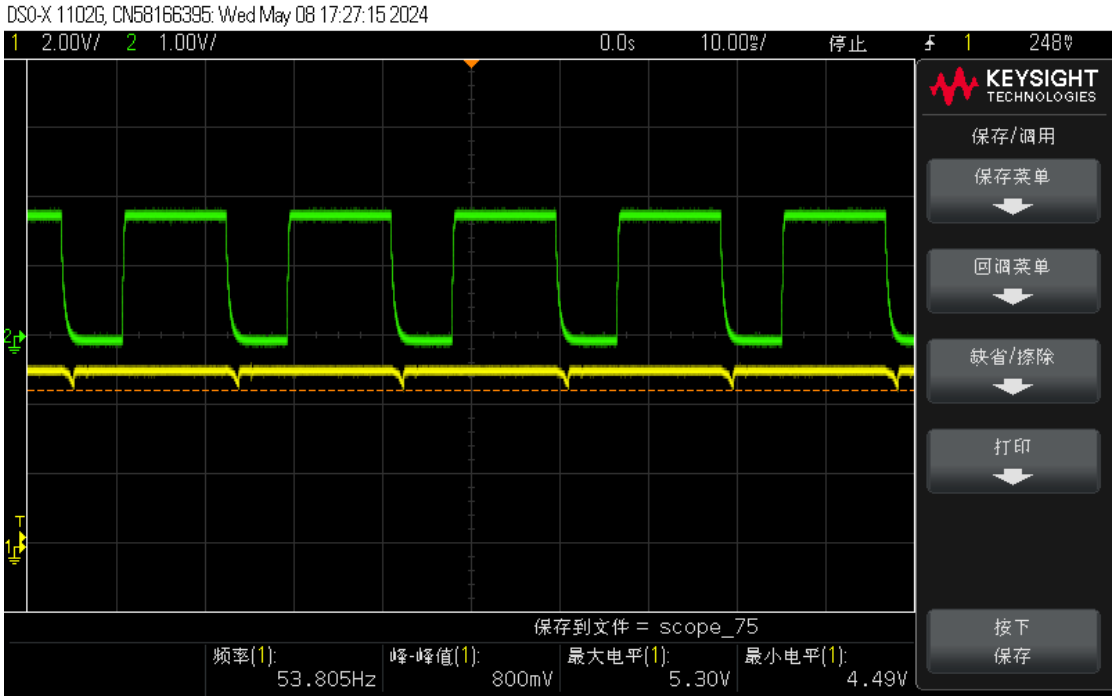
12、LDO5P0 & BUCK6_1V8



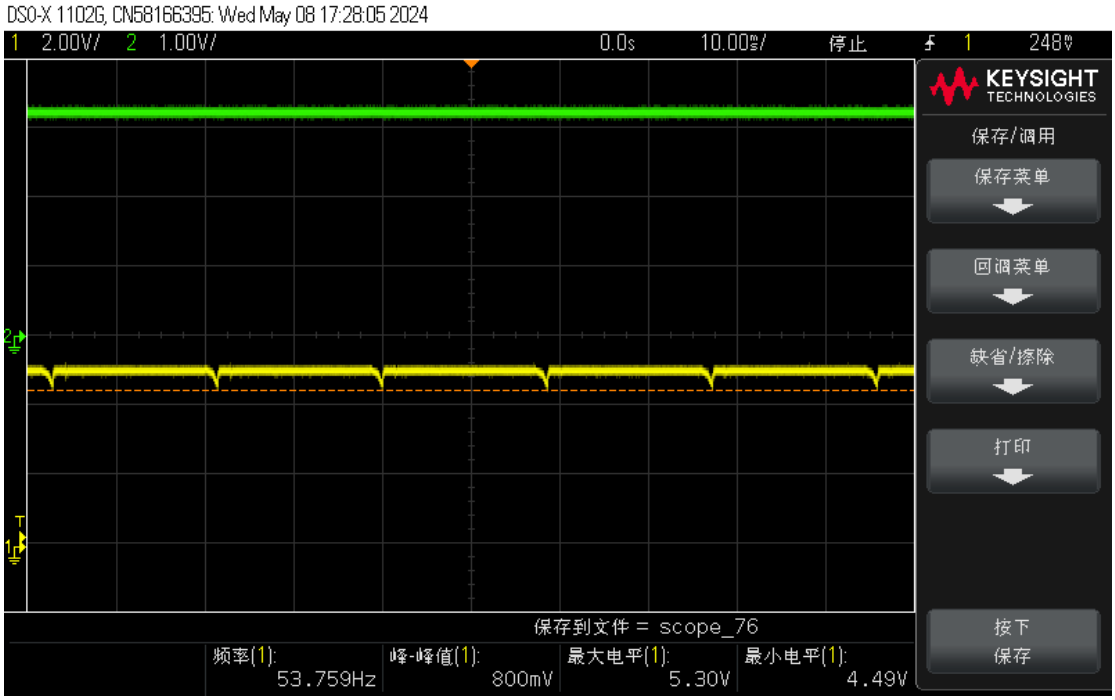
13、LDO5P0 & VREF



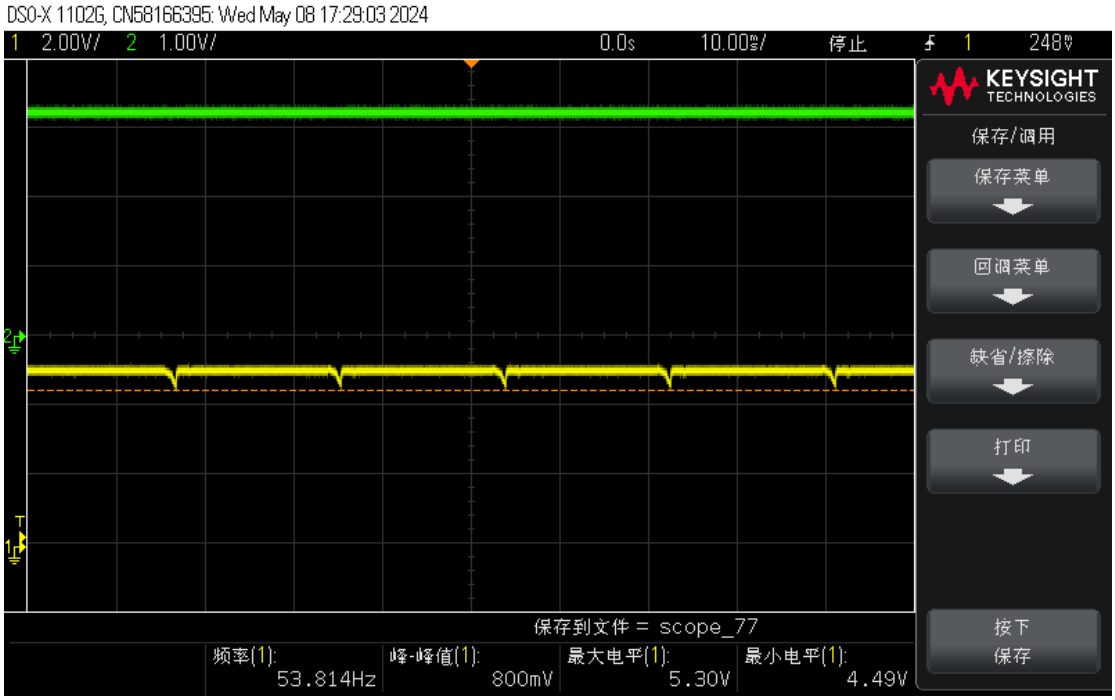
14、LDO5P0 & CTL2



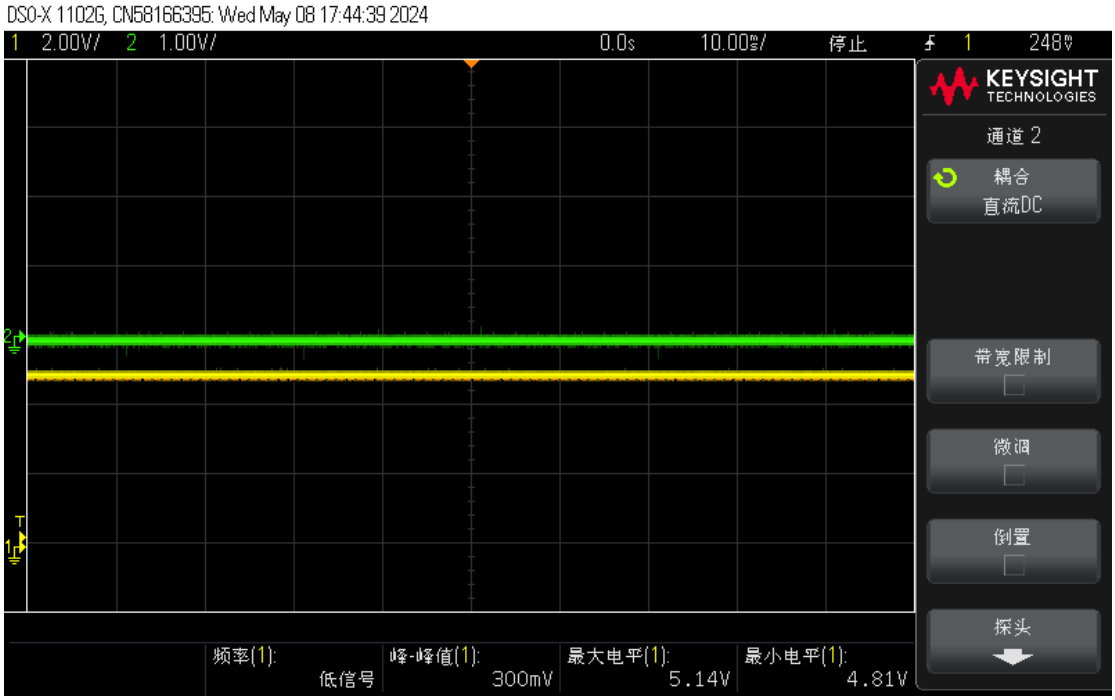
15、LDO5P0 & CTL3



16、LDO5P0 & CTL4

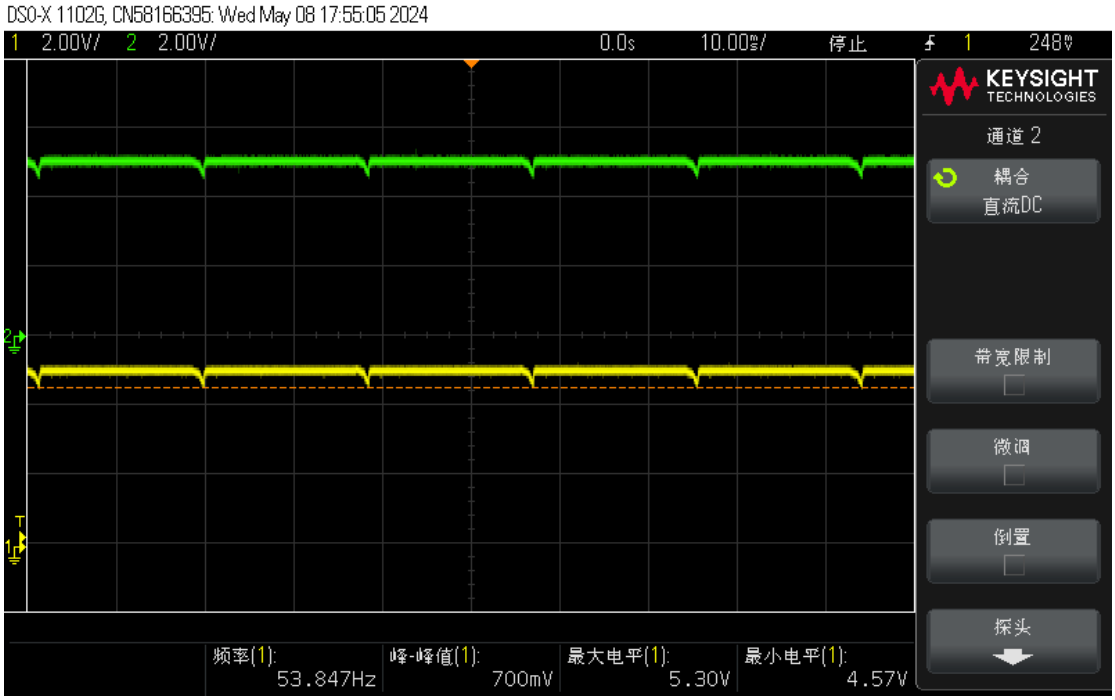


17、Before power up, let CTL4=low; LDO5P0 & BUCK1_+5V



LDO5P0 and BUCK1_+5V are stable when CTL4=low.

18、CTL4=high and CTL3=Low; LDO5P0 & BUCK1_+5V



There are still some drips on BUCK1_+5V when CTL4=high &CTL3=LOW