Consecutive shorts, getting a waveform similar to #2 or look like #1?

Your questions : If they wait a longer period of time between first short and consecutive shorts, do they still get a waveform similar to #2 or does every short look like #1?

Replies for your questions :

The customer operated consecutive short test with 5 second intervals, ten times.
Waveform pattern transitions were like as followings;

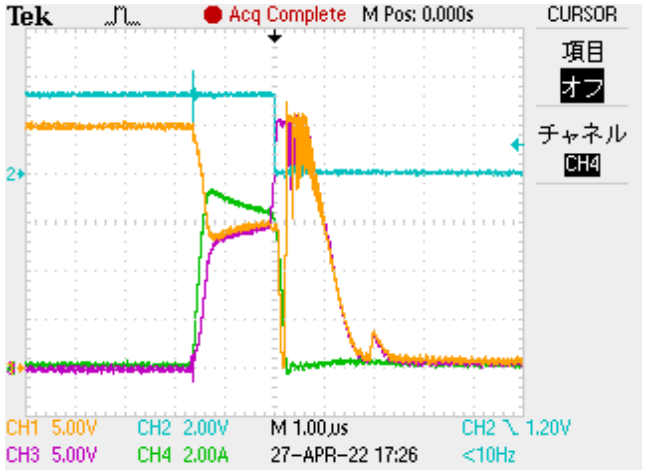
■Result■
Waveform pattern #1 : 1st, 2nd, 5th, 8th, 9th, 10th
Waveform pattern #2 : 3rd, 4th, 6th, 7th

→It seems that there is no rule.

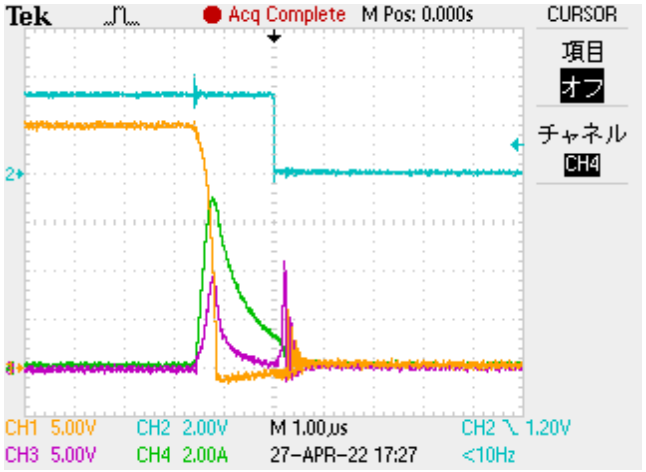
Wave forms which waits 30 seconds or even a minute between shorts①

The customer got the ten waveforms with short tests during 30 seconds intervals.(1～5)

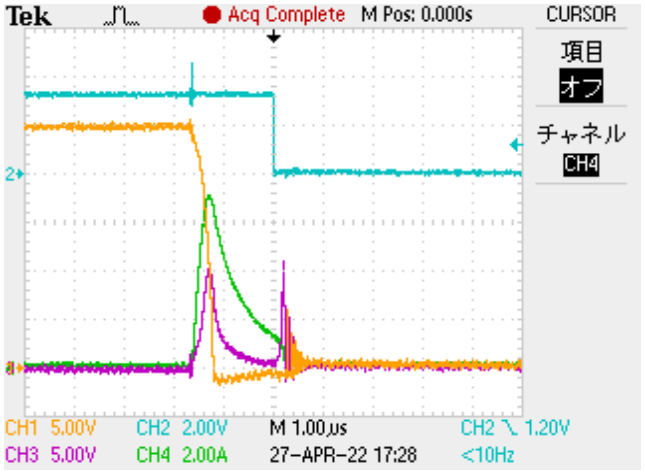
Wave form : 1



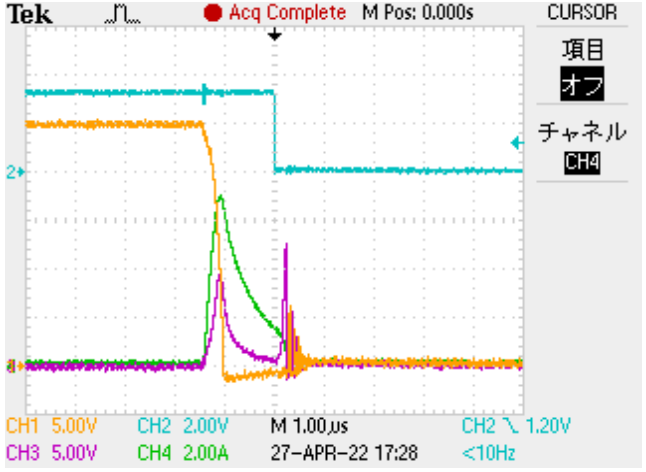
Wave form : 2



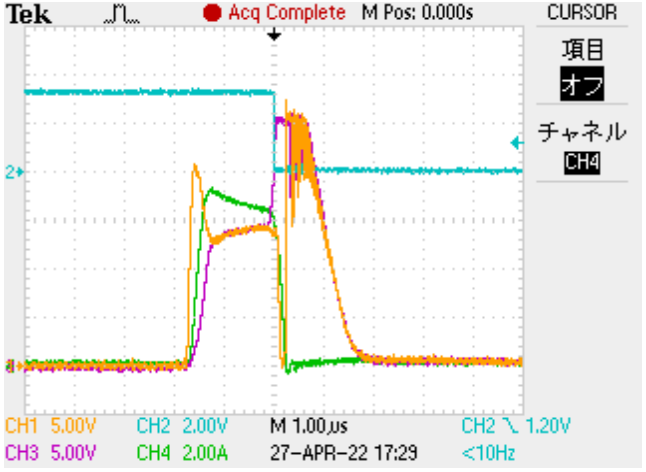
Wave form : 3



Wave form : 4



Wave form : 5

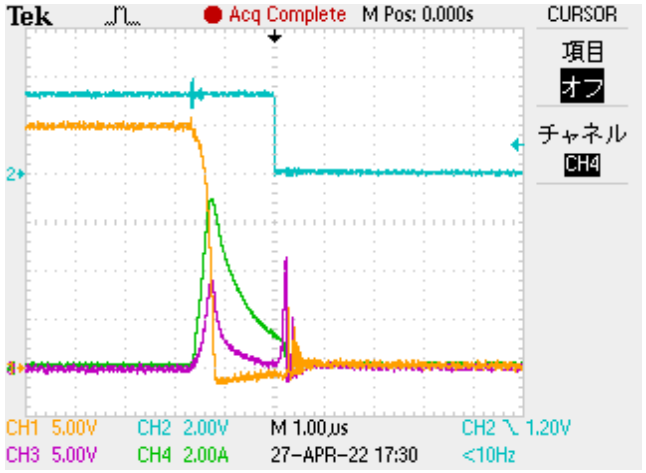


CH1 : Aout1
CH2 : /Fault
CH3 : Aout2
CH4 : Short current

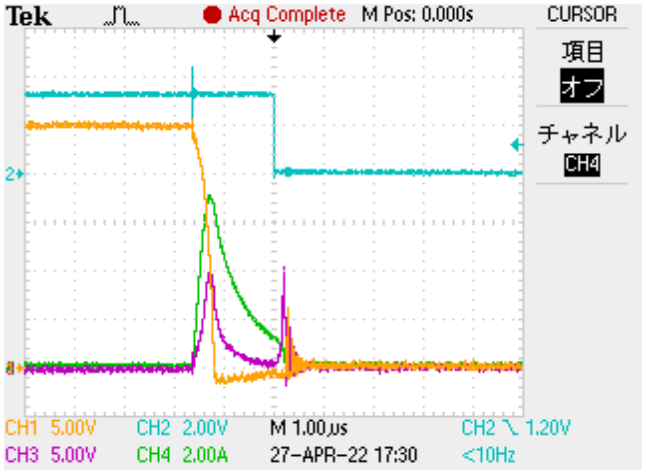
Wave forms which waits 30 seconds or even a minute between shorts②

The customer got the ten waveforms with short tests during 30 seconds intervals.(6～10)

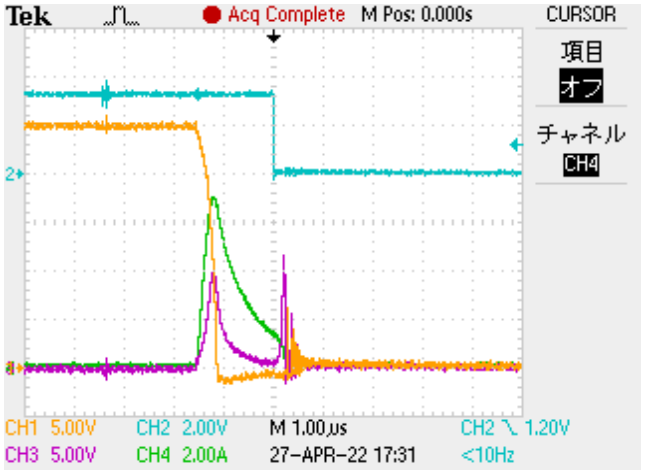
Wave form : 6



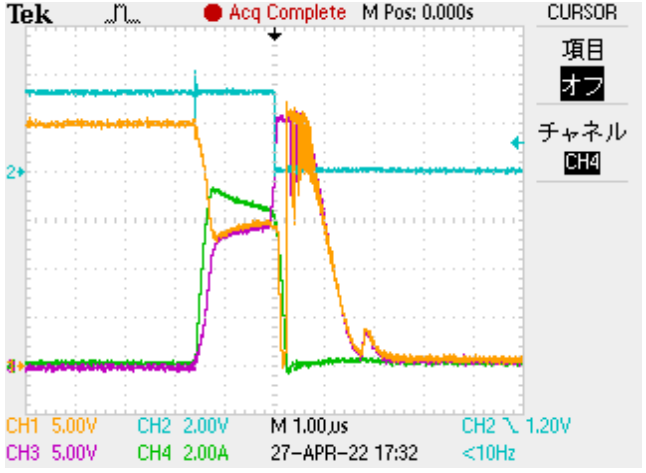
Wave form : 7



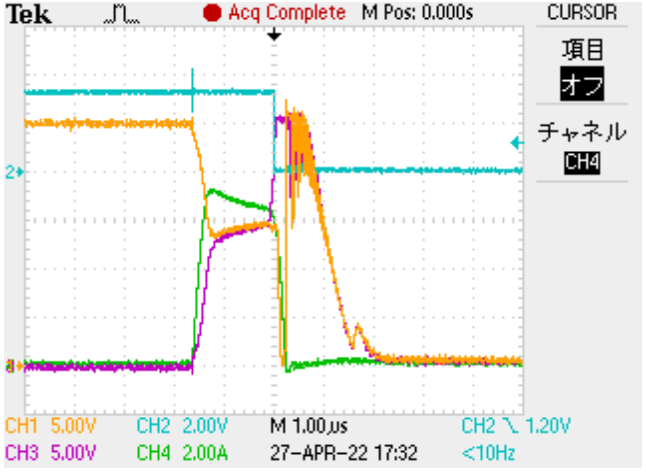
Wave form : 8



Wave form : 9



Wave form : 10

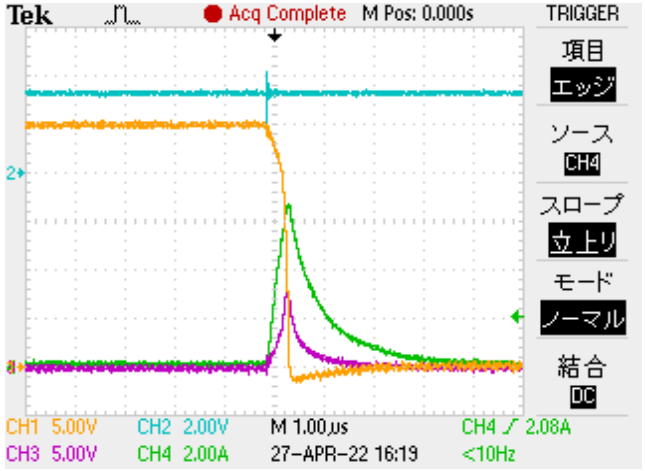


CH1 : Aout1
CH2 : /Fault
CH3 : Aout2
CH4 : Short current

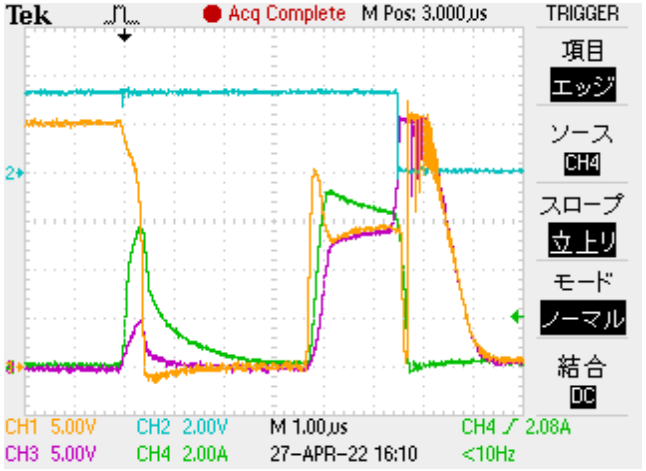
Additional wave forms

In case of short tests during 30 seconds intervals, the customer got another type of waves.
As the reference, we attach two wave forms.

Additional wave form : 1



Additional wave form : 2



CH1 : Aout1
CH2 : /Fault
CH3 : Aout2
CH4 : Short current