

Test result

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Vin	16V
Vout	0.85V
Iout	6~10A

Pattern	Fsw	RSP/RSN	Ramp resistor	issu 1	issu 2
1	420kHz	Remote Sensing With Feedback Resistors	187kΩ	No	No
2	420kHz	Remote Sensing	187kΩ	output stop	ON duty does not stabilize
3	1MHz	Remote Sensing	187kΩ	No	Pulse skipping due to load fluctuation

Customer made a fine adjustment of the output voltage using pattern 1 in trial board.

After that, the customer made only Remote Sensing in the next prototype.

As a result, the output was unstable and turned off issu occurred.

Pattern2 wave form1



Pattern2 wave form2

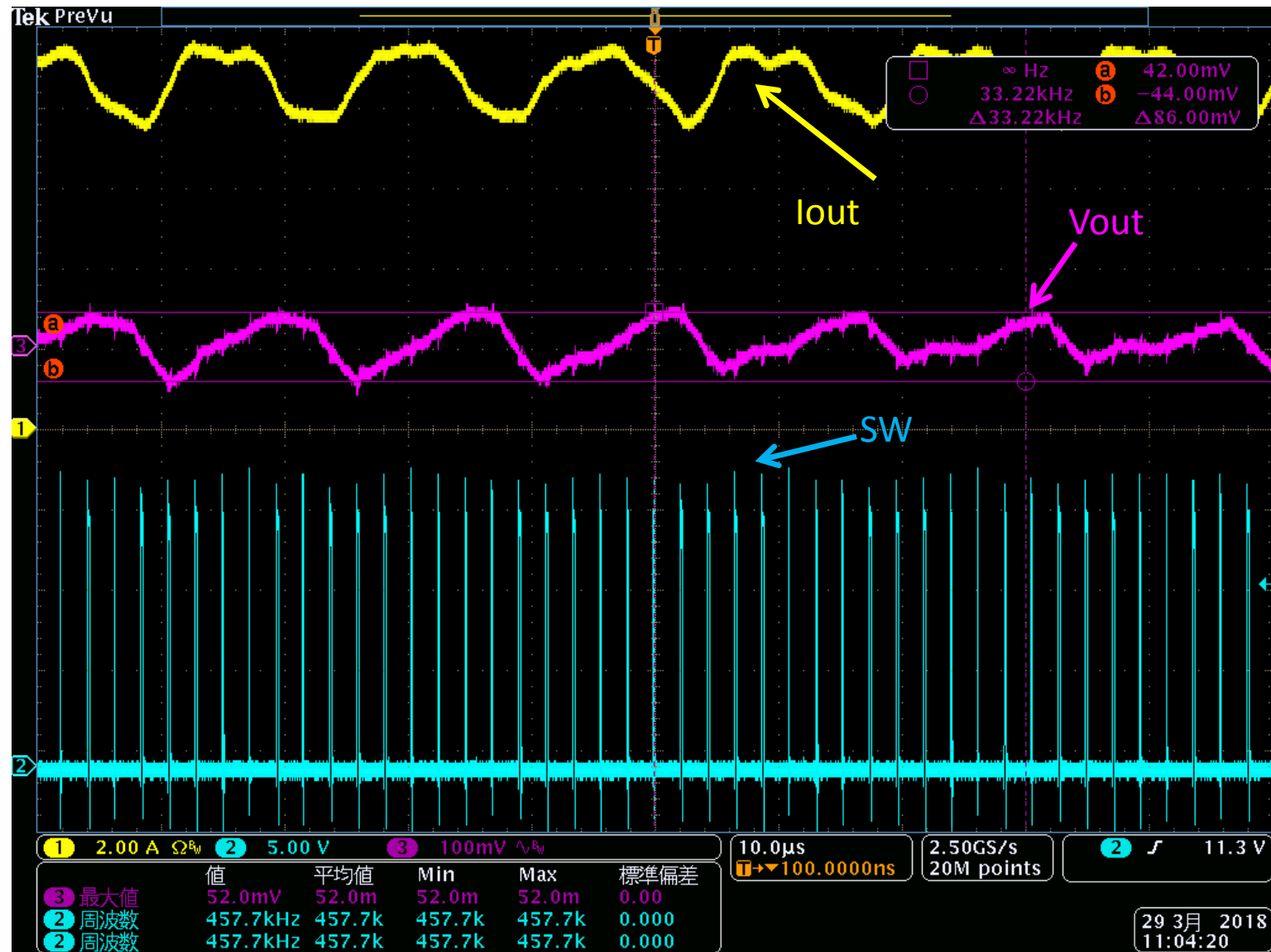


Pattern1 wave form



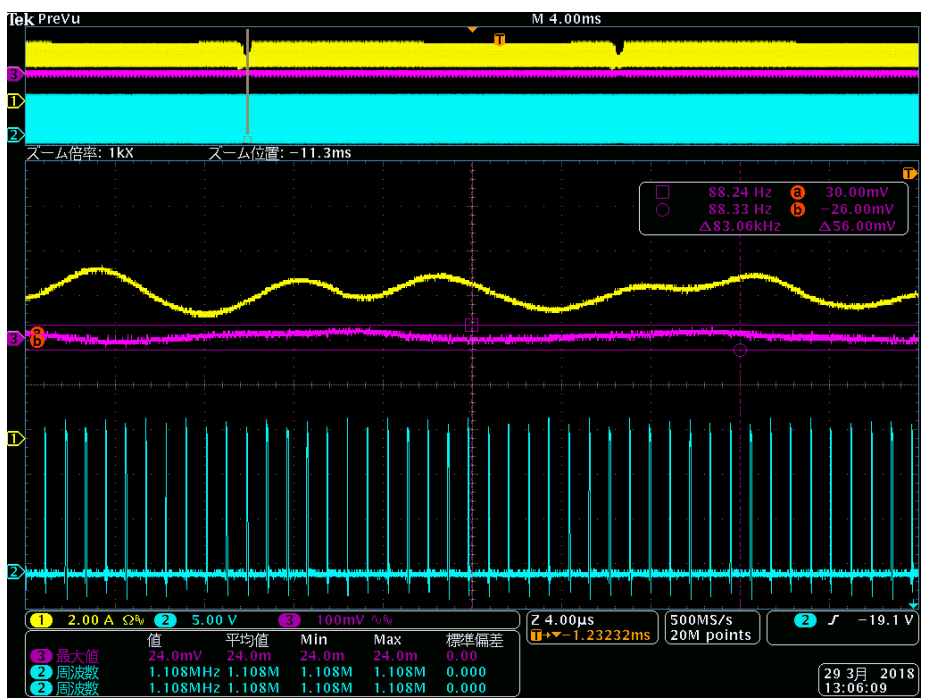
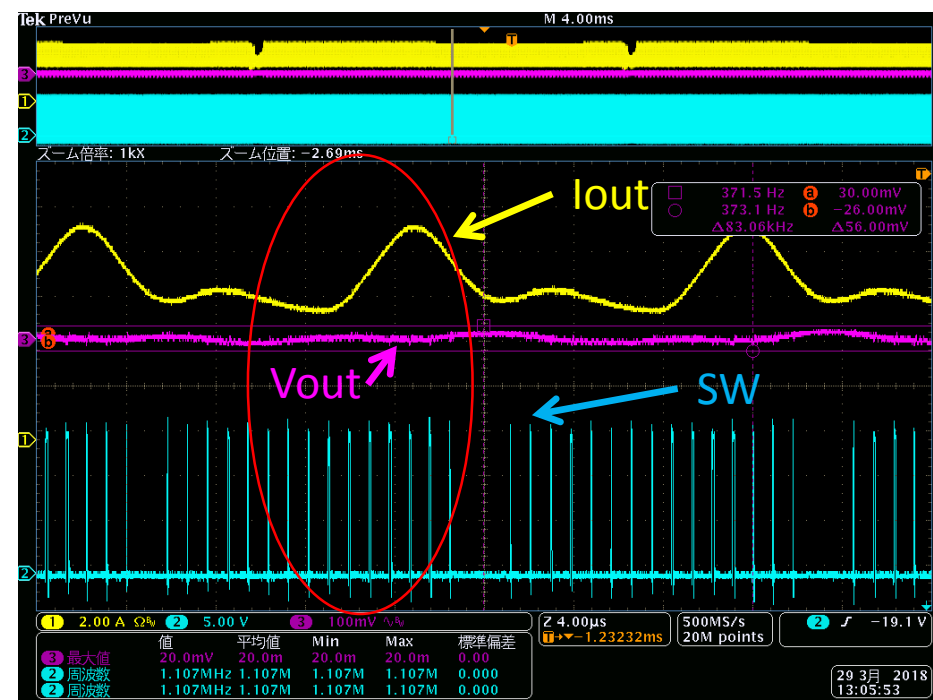
Does it may be considered to be OFF by OVP protection?

Pattern2 wave form2



Pattern3 wave form1

Change TPS543B20 frequency to 1 MHz



Pulse skipping due to load fluctuation.
Please tell me the reason.
(API and BB off condition)