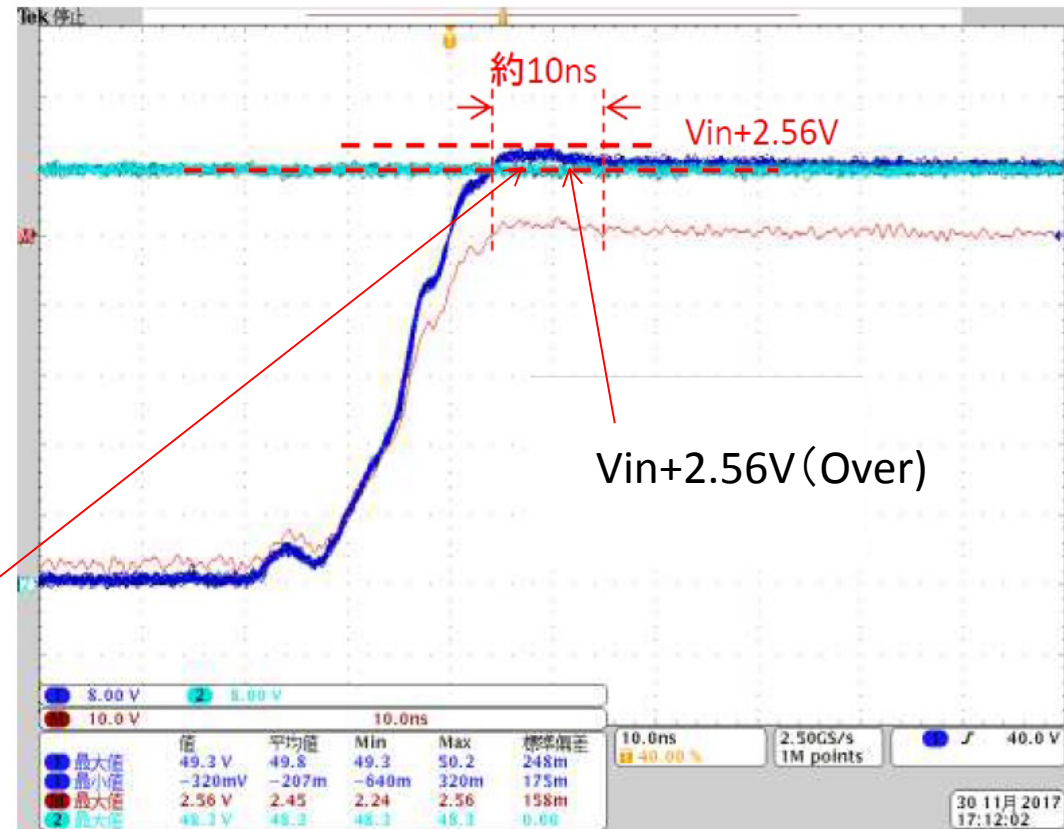


## 6.1 Absolute Maximum Ratings

over operating free-air temperature range (unless otherwise noted)

		MIN	MAX	UNIT
Input voltage	V <sub>IN</sub>	-0.3	62	V
	M/S	-0.3	V <sub>IN</sub>	
	UVLO	-0.3	16	
	SW	-5	V <sub>IN</sub>	
	SW (for duration less than 200 ns)	-10	V <sub>IN</sub>	
Output voltage	BOOT		V <sub>SW</sub> + 8.8	V
	HDRV		V <sub>SW</sub> - BOOT	
	BOOT-SW, HDRV-SW (differential from BOOT or HDRV to SW)	-0.3	8.8	V
	VBP, LDRV, COMP, RT, ENABLE, PGOOD, SYNC	-0.3	8.8	
	VDD, FB, TRK, SS, ILIM	-0.3	3.6	
	AGND-PGND, PGND-AGND	200	200	mV
	PowerPAD to AGND (must be electrically connected external to device)		0	
Lead Temperature			260	°C
Operating junction temperature	T <sub>J</sub>	-40	125	°C



Hello.

I have a question about TPS40170.

The voltage on the SW pin exceeds the absolute maximum rating. (It is over 2.56 V)

Are you ok ?

Is there any countermeasure in case of NG?

- 1ch:SW pin Voltage
- 2ch:Vin pin Voltage
- Swpin—Vinpin