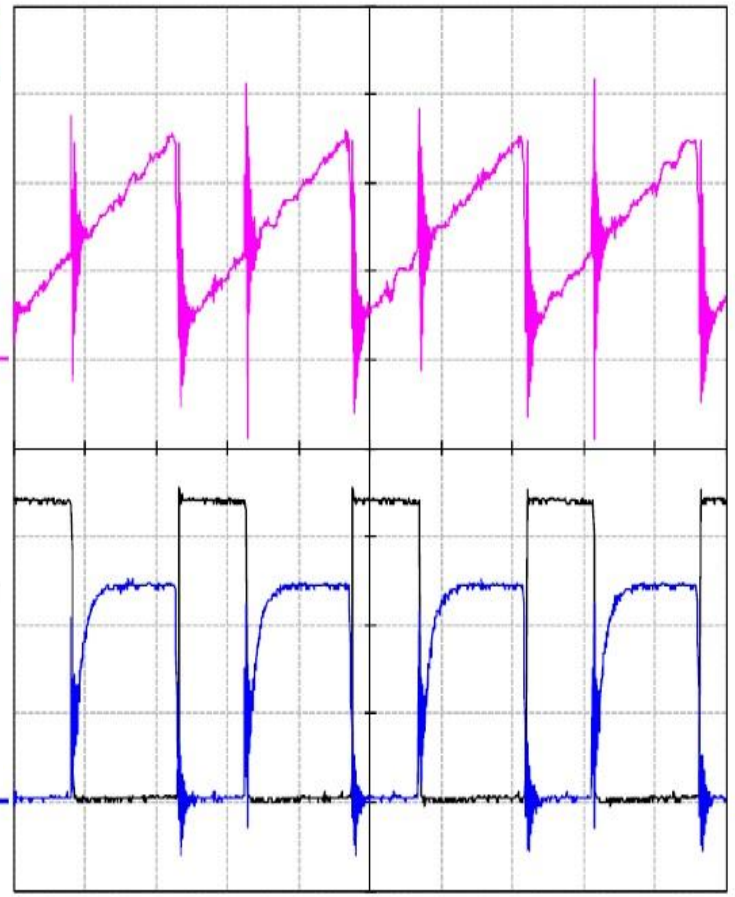
OK_IC

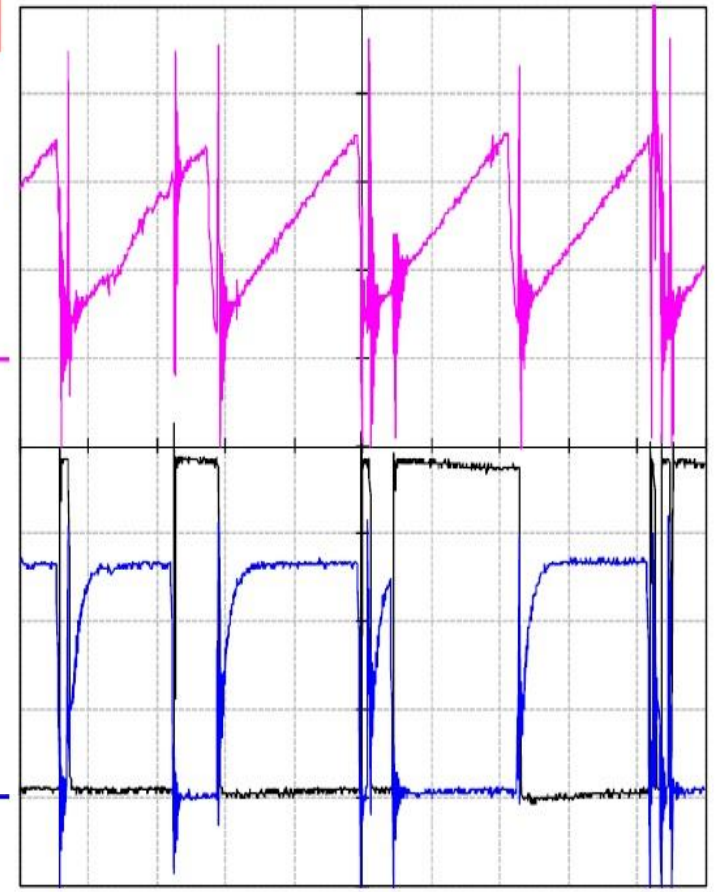


input : 100 V
output : 12 V
27 A

	Scale	Bw
CH1	100 V/div	20MHz
CH2	5 V/div	20MHz
CH3	2 V/div	20MHz
CH4	-	-
REF1	-	-
REF2	-	-
REF3	-	-
REF4	-	-
MATH	-	-

TIME	2 us/div
MODE	SAMPLE

NG_IC



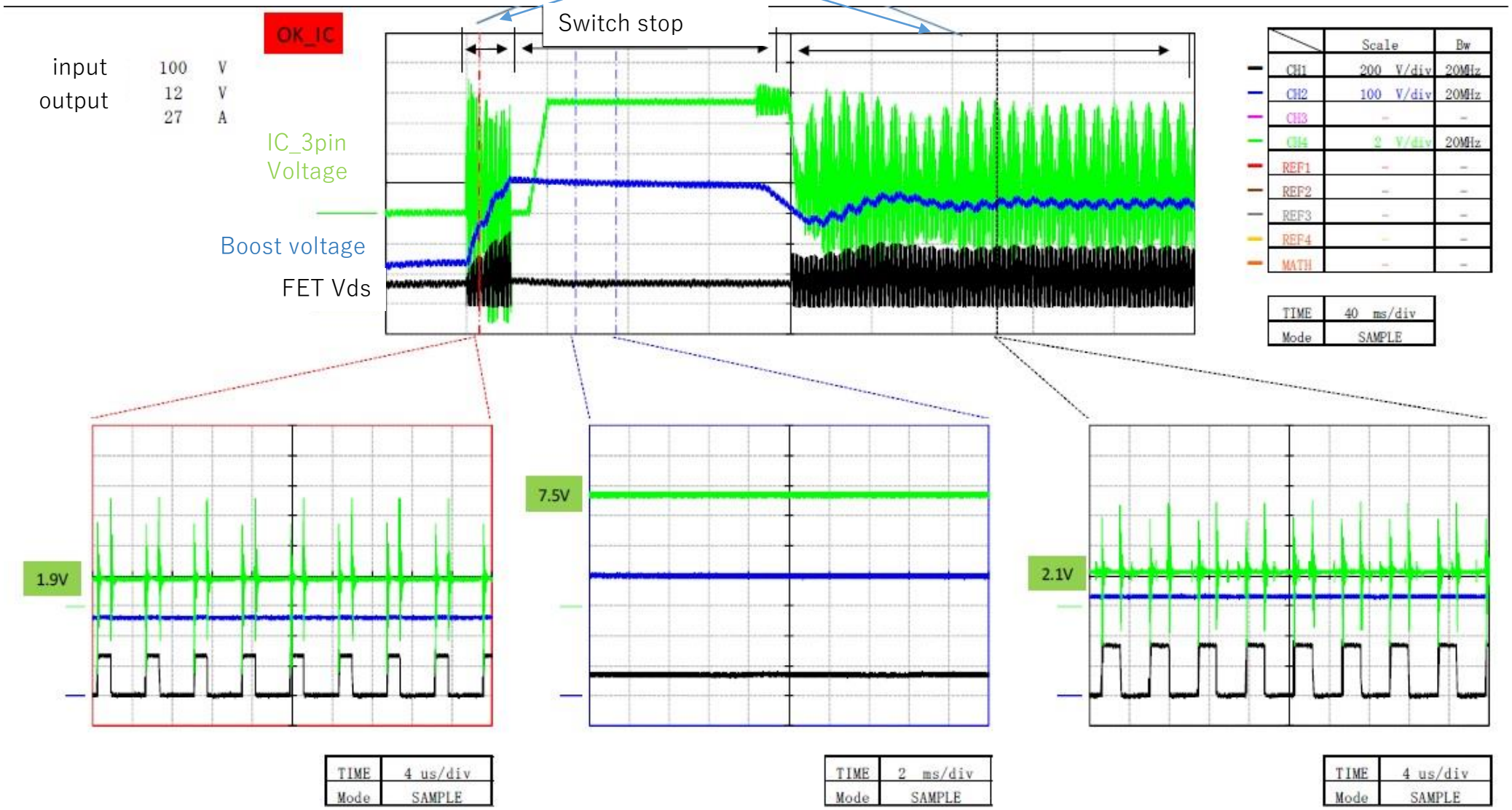
input : 100 V
output : 12 V
27 A

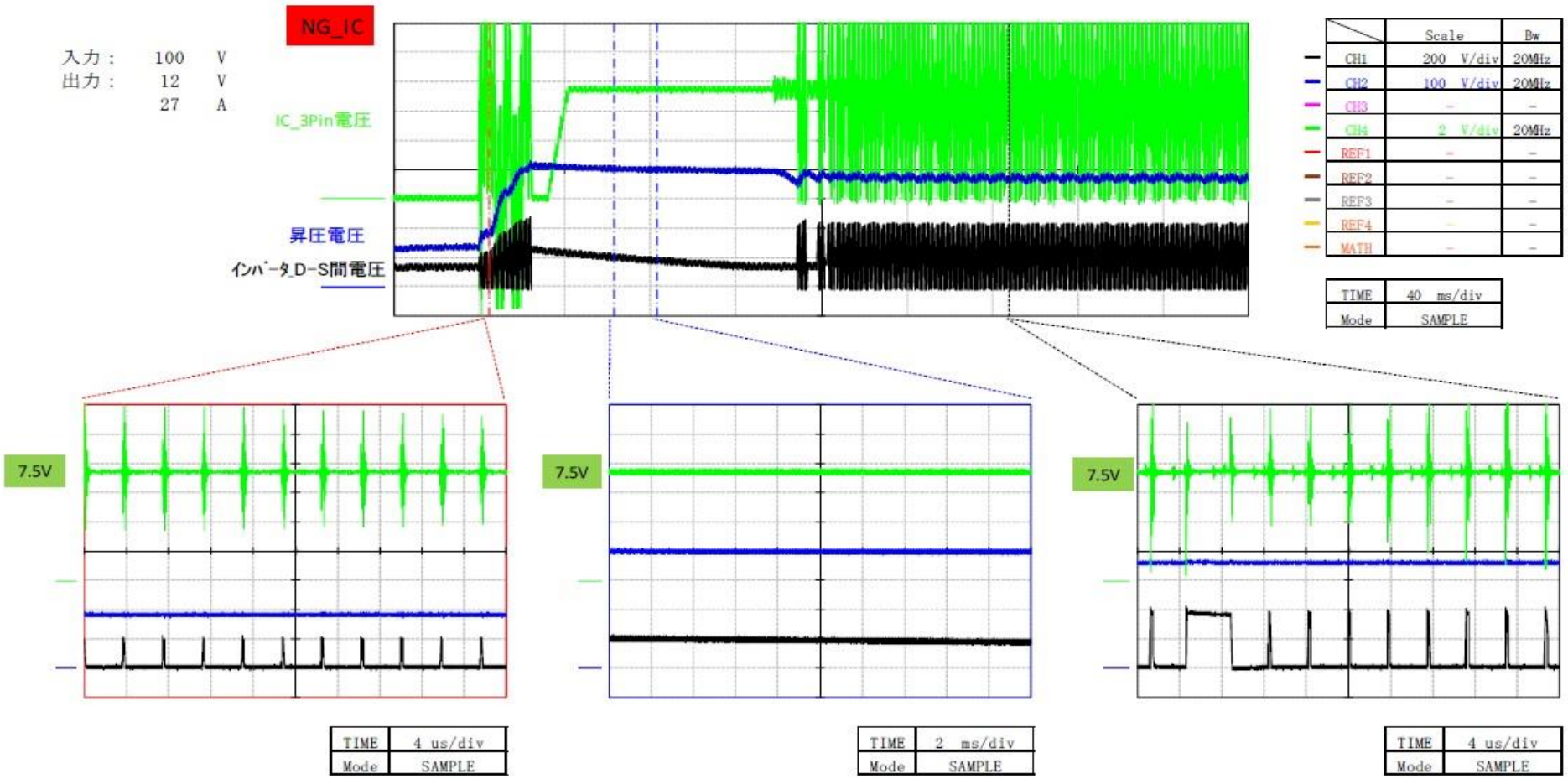
	Scale	Bw
CH1	100 V/div	20MHz
CH2	5 V/div	20MHz
CH3	2 V/div	20MHz
CH4	-	-
REF1	-	-
REF2	-	-
REF3	-	-
REF4	-	-
MATH	-	-

TIME	2 us/div
MODE	SAMPLE

In comparison with OK_IC, ON / OFF timing of the gate is abnormal in the case of NG_IC.
Why is this behavior?
Please tell me the possible causes.

Switch operation





In the case of OK_IC: When looking at the 3 pin voltage, the switch amplitude swings between 7.5 V and -2.5 V around 2 V at the time of switch operation. However, in the case of NG_IC, it swings between 12 V and -0.5 V around 7.5 V.
Why is this? (what is the reason?)