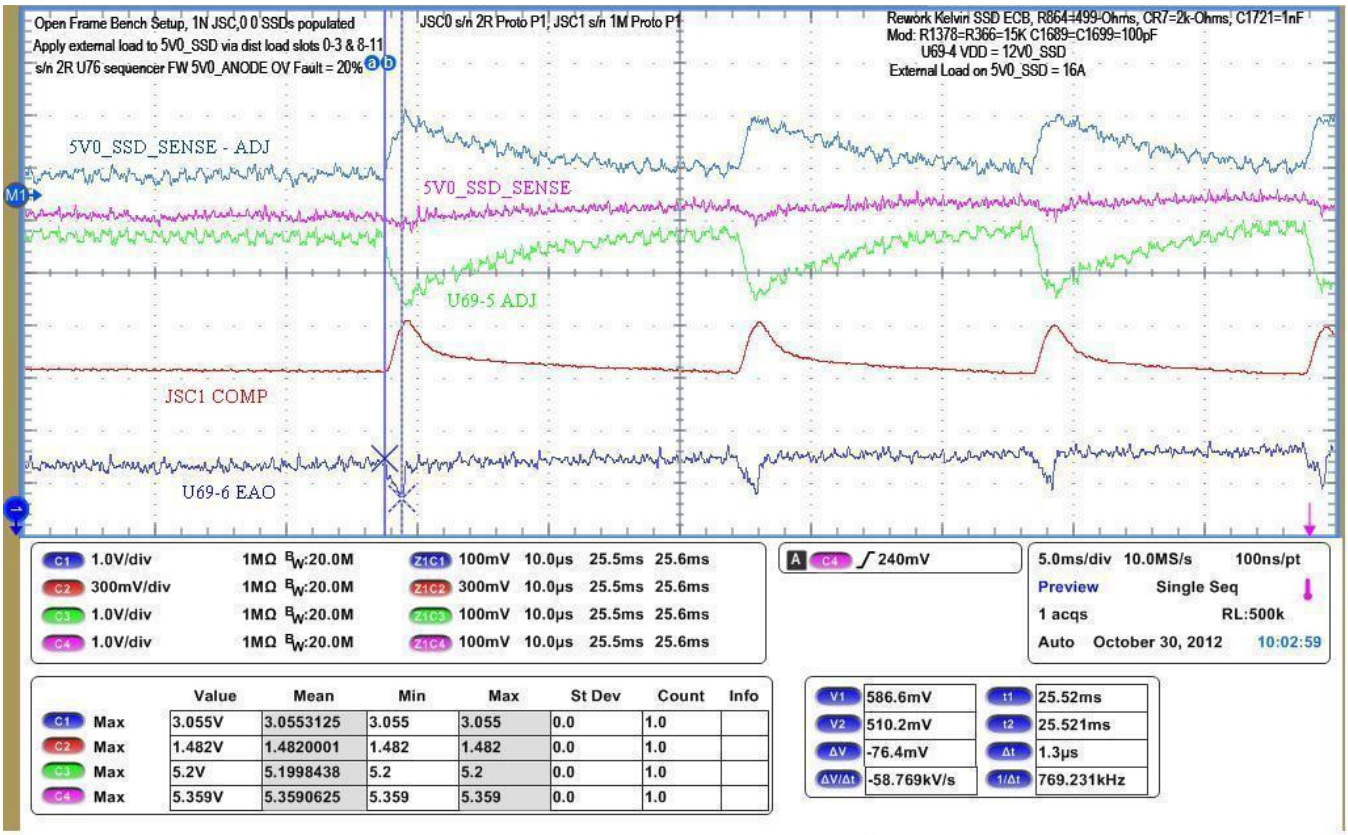

	Value	Mean	Min	Max	St Dev	Count	Info
C1 Max	3.055V	3.0553125	3.055	3.055	0.0	1.0	
C2 Max	1.482V	1.4820001	1.482	1.482	0.0	1.0	
C3 Max	5.2V	5.1998438	5.2	5.2	0.0	1.0	
C4 Max	5.359V	5.3590625	5.359	5.359	0.0	1.0	

V1	586.6mV	t1	25.52ms
V2	510.2mV	t2	25.521ms
ΔV	-76.4mV	Δt	1.3µs
ΔV/Δt	-58.769kV/s	1/Δt	769.231kHz

	5V0_SSD_SENSE - ADJ	5V0_SSD_SENSE	ADJ	COMP	EAO
Cursor a V1	46.72mV	5.092V	5.045V	971.16mV	**586.6mV**
Cursor b V2	135.16mV	5.065V	4.93V	1.232V	**510.2mV**
delta-V V1-V2	88.44mV	-26.4mV	-114.8mV	260.4mV	**-76.4mV**

R347 = 24.9-Ohms
eqn 1: I-ADJ = (5V0_SSD_SENSE - ADJ)/R347
eqn 2: I-adj = EAO/500-Ohms

Cursor a: eqn 1: I-ADJ = 46.72mV/24.9-Ohms = 1.88mA
eqn 2: I-ADJ = 586.6mV/500 = 1.17mA

Cursor b: eqn 1: I-ADJ = 135.16mV/24.9-Ohms = 5.43mA
eqn 2: I-ADJ = 510.2mV/500 = 1.02mA

I-ADJ is not responding as expected as function of EAO

problem

How can ADJ move so much so fast? IF EAO is perturbing down, then ADJ should perturb up, not down. The amplitude of the response is also out of line. This doesn't make sense. UCC39002 is not acting as it should.