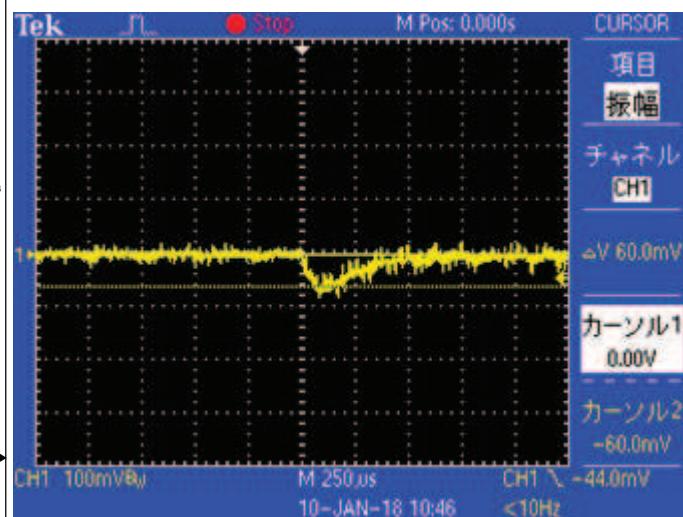
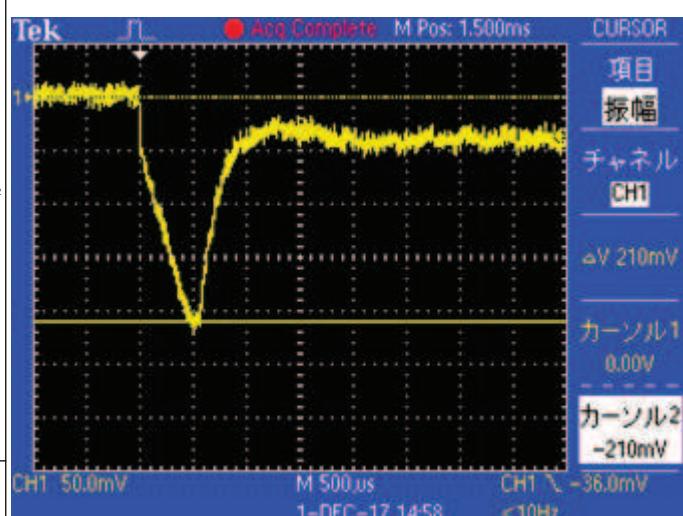


$$\begin{aligned}V_{out} &= 1.221 * (R_1 + R_2) / R_2 \\R_1 &= 10k, \quad R_2 = 510k // 5.6k = 5.539k \\V_{out} &= 1.221 * (10k + 5.539k) / 5.539k = 3.43(V)\end{aligned}$$



Measured at R1307 (100mA → 380mA  
250us/div

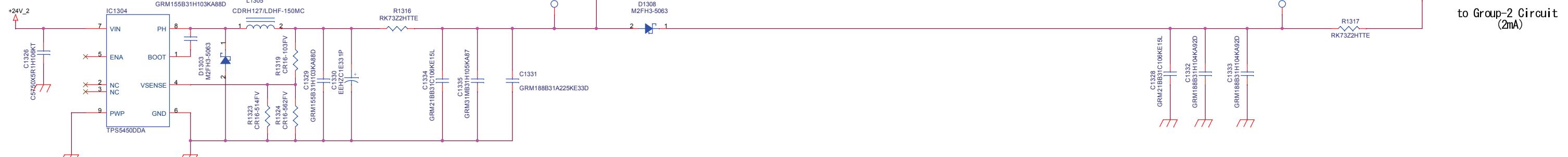
 Transient response  
of TPS5450 (60mV)



Measured at R1401(100mA → 380mA  
500us/div

 Increment of SBD VF (50mV)

Transient response  
of TPS5450 (160mV)



( 100mA) = 0.20V  
 ( 400mA) = 0.24V  
 (2000mA) = 0.31V  
 (Max. @25degC)

Removed R1401, R1402, R1407 and connected test load here.

to Group-1 Circuit  
(2mA)

to Common Circuit  
(3mA)

to Common Circuit  
(17mA)

to Common Circuit  
(80mA to 360mA)

Common Circuit total  
(100mA to 380mA)

to Group-2 Circuit  
(2mA)