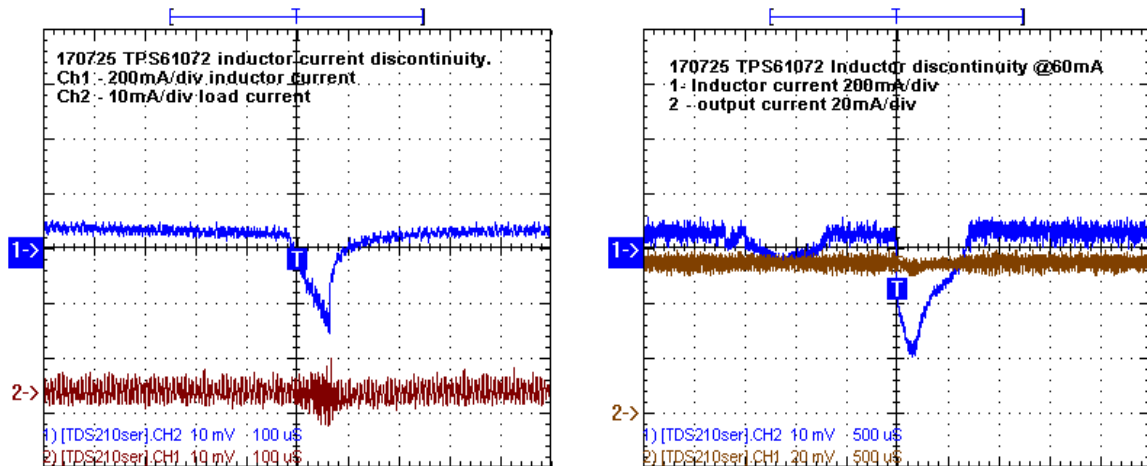


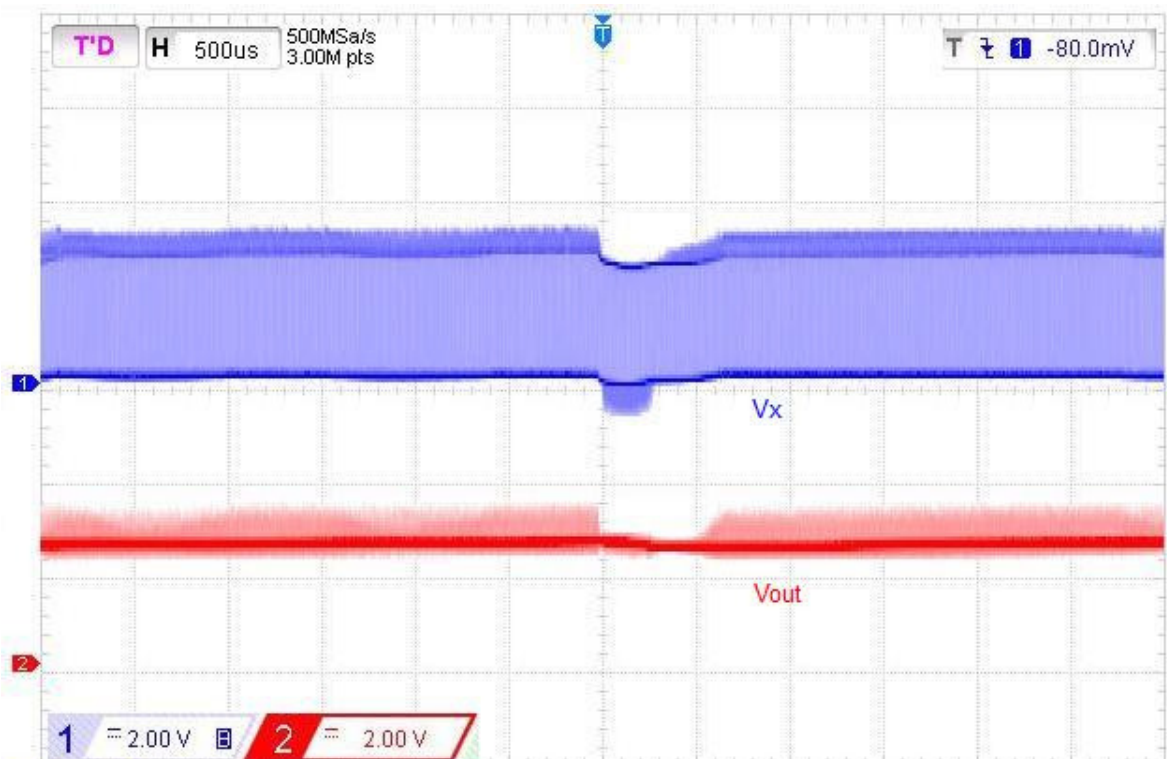
170725 TPS61072 Voltage Regulation Discontinuity effect.



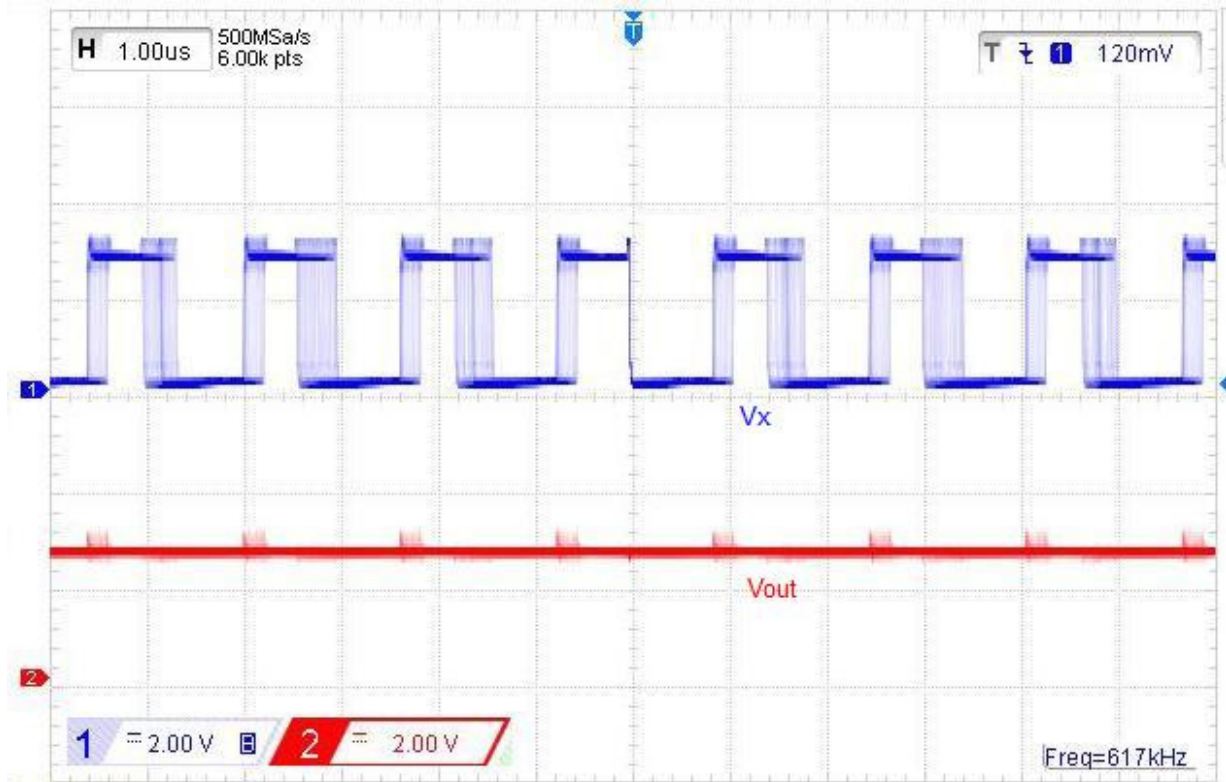
The 'burp'.

Note that it doesn't matter whether the output load current is 2mA or 60mA, when the 'burp' forces chip/inductor current to deviate by >400mA during the period of the disturbance.

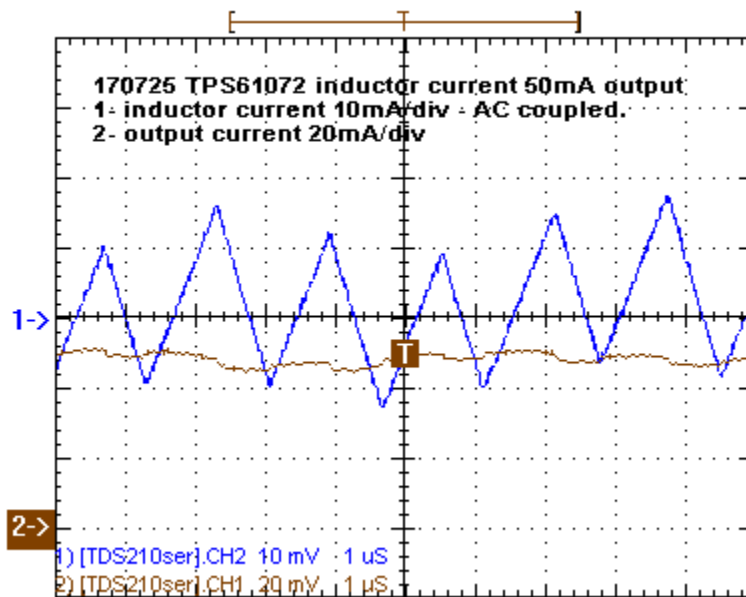
Note the varying time scales. At 5x load current, it takes 5xlonger for the disturbance to clear.



Note also Vx excursions below ground, indicating reverse current flow, unassisted.



Normal power transfer.



‘stable’ operation. Inductor current is AC-coupled. L2 is 33uH sliding-mode choke.