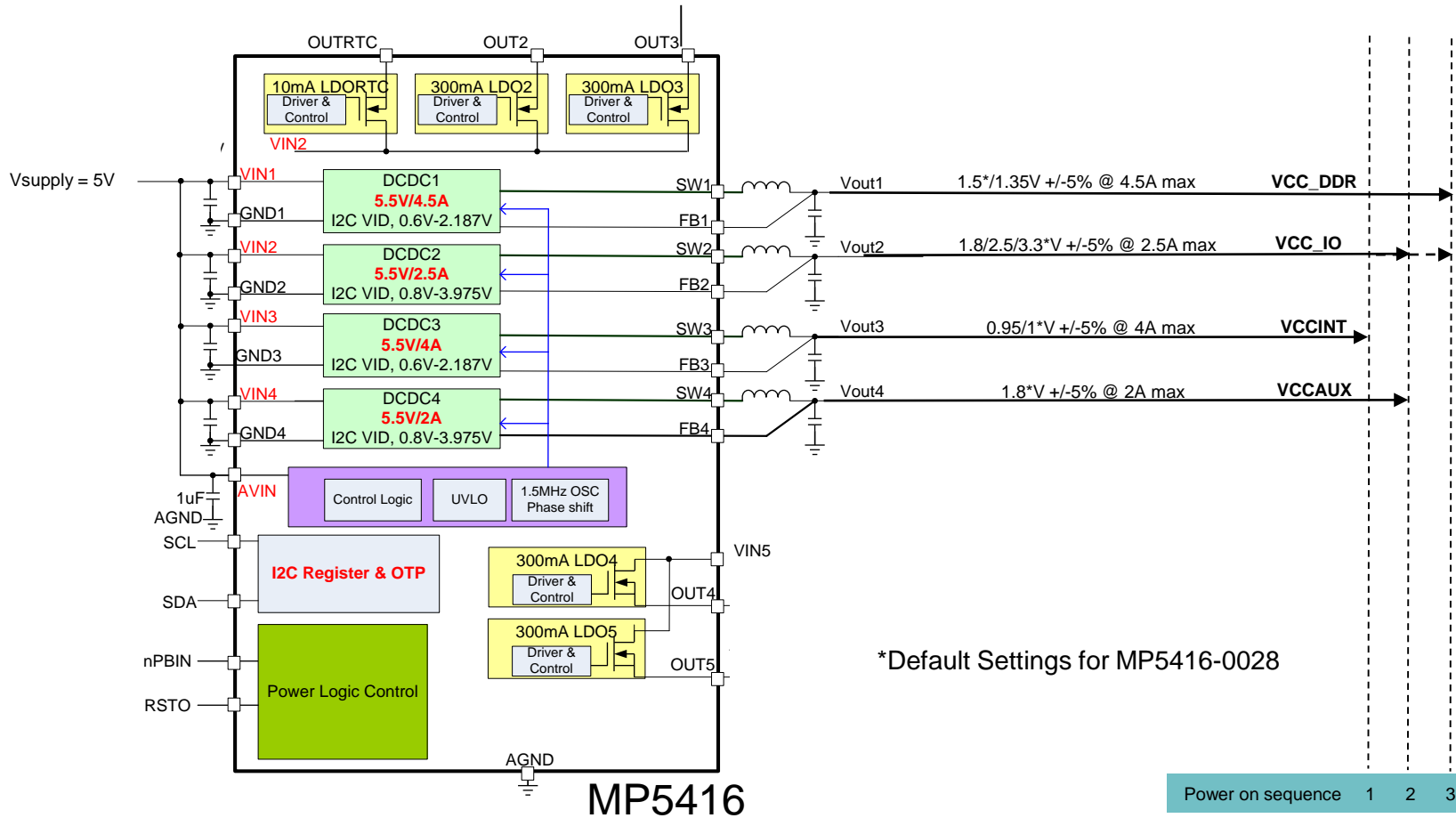


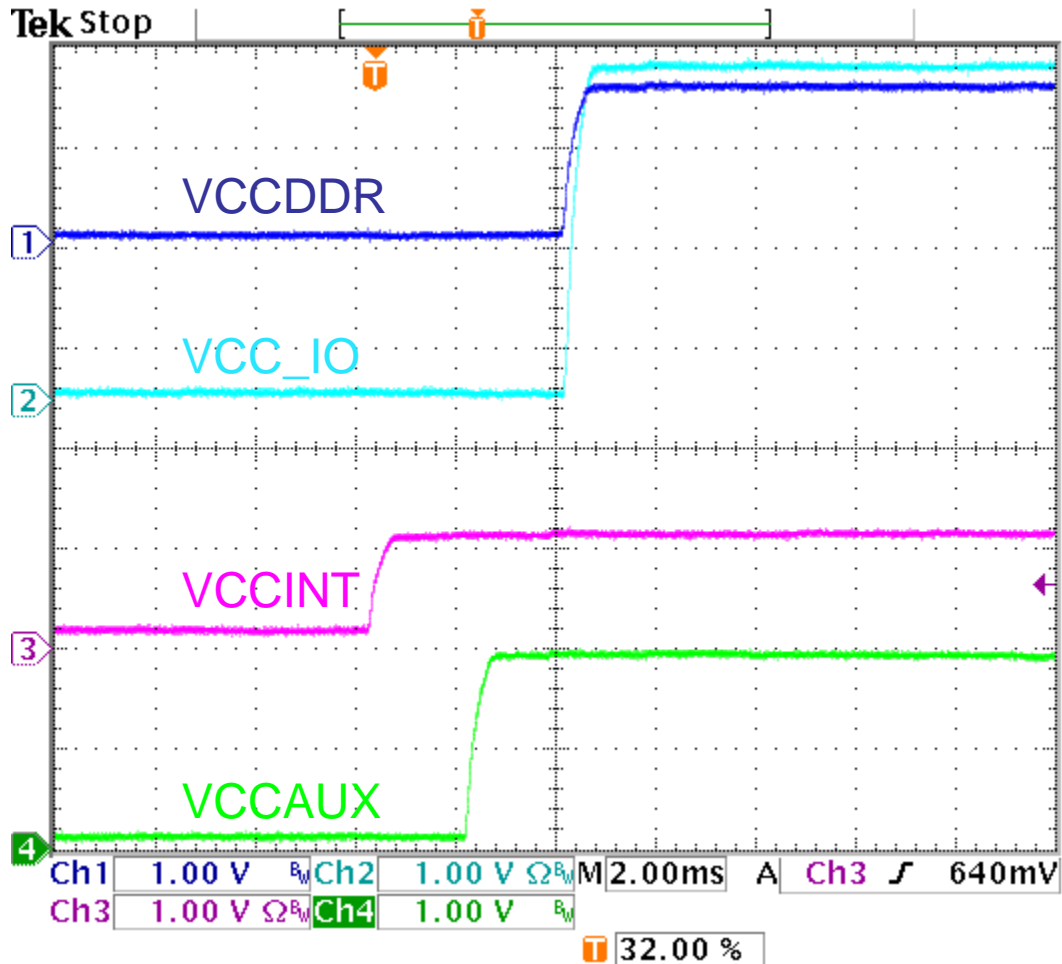


Xilinx Spartan-7 Reference Design

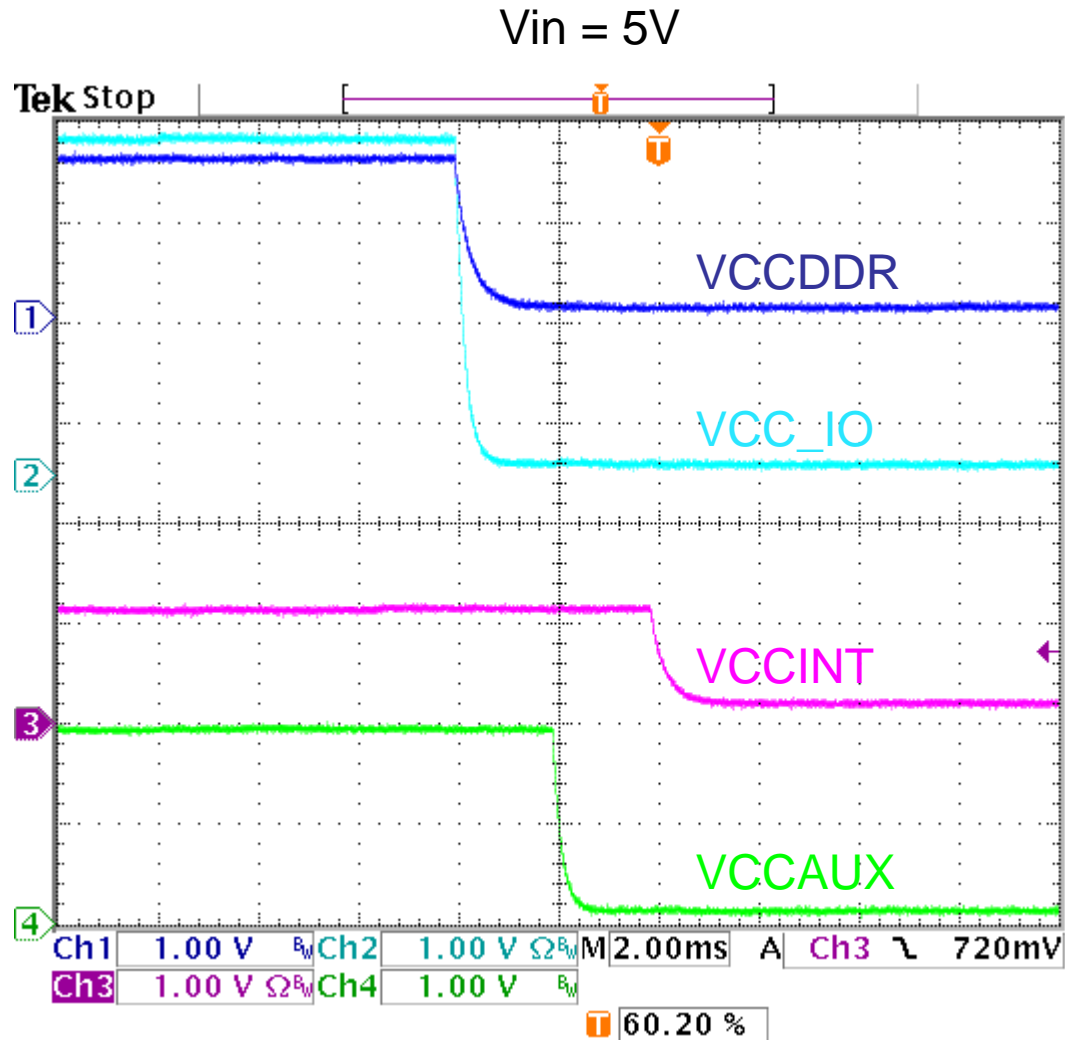
Sep 13, 2018



Vin = 5V

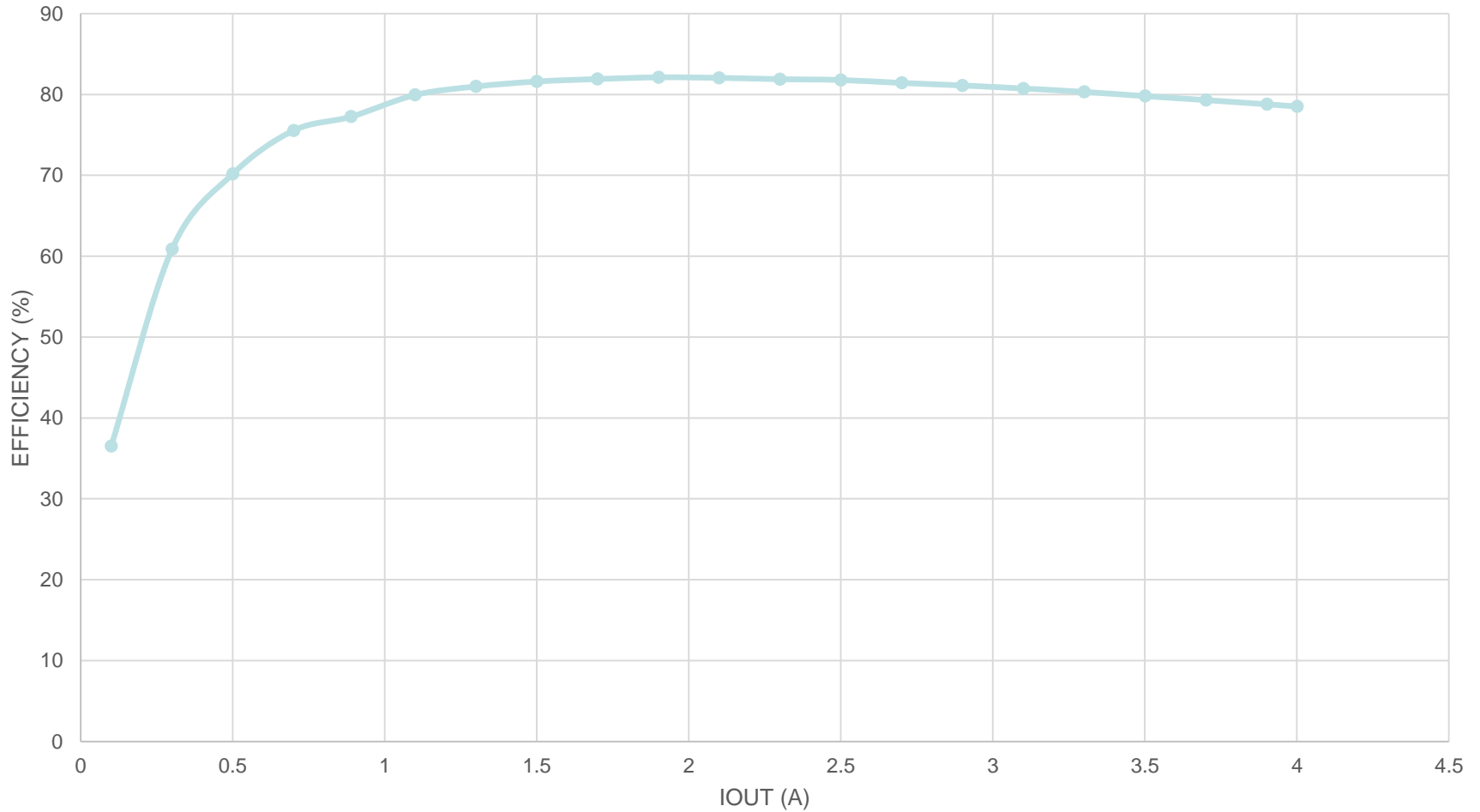


NOTE: Sequencing can be customized to any design requirements via OTP

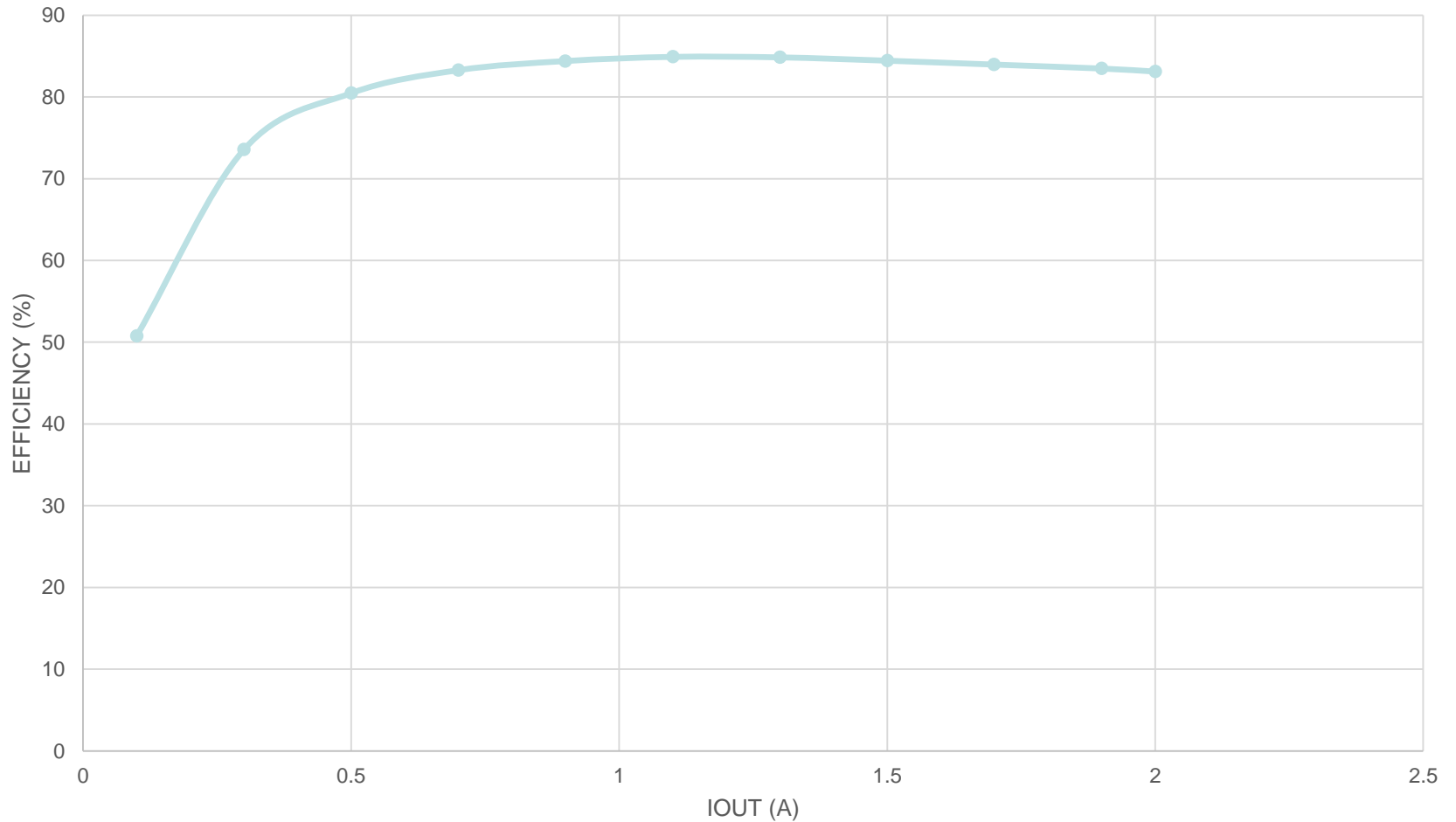


NOTE: Sequencing can be customized to any design requirements via OTP

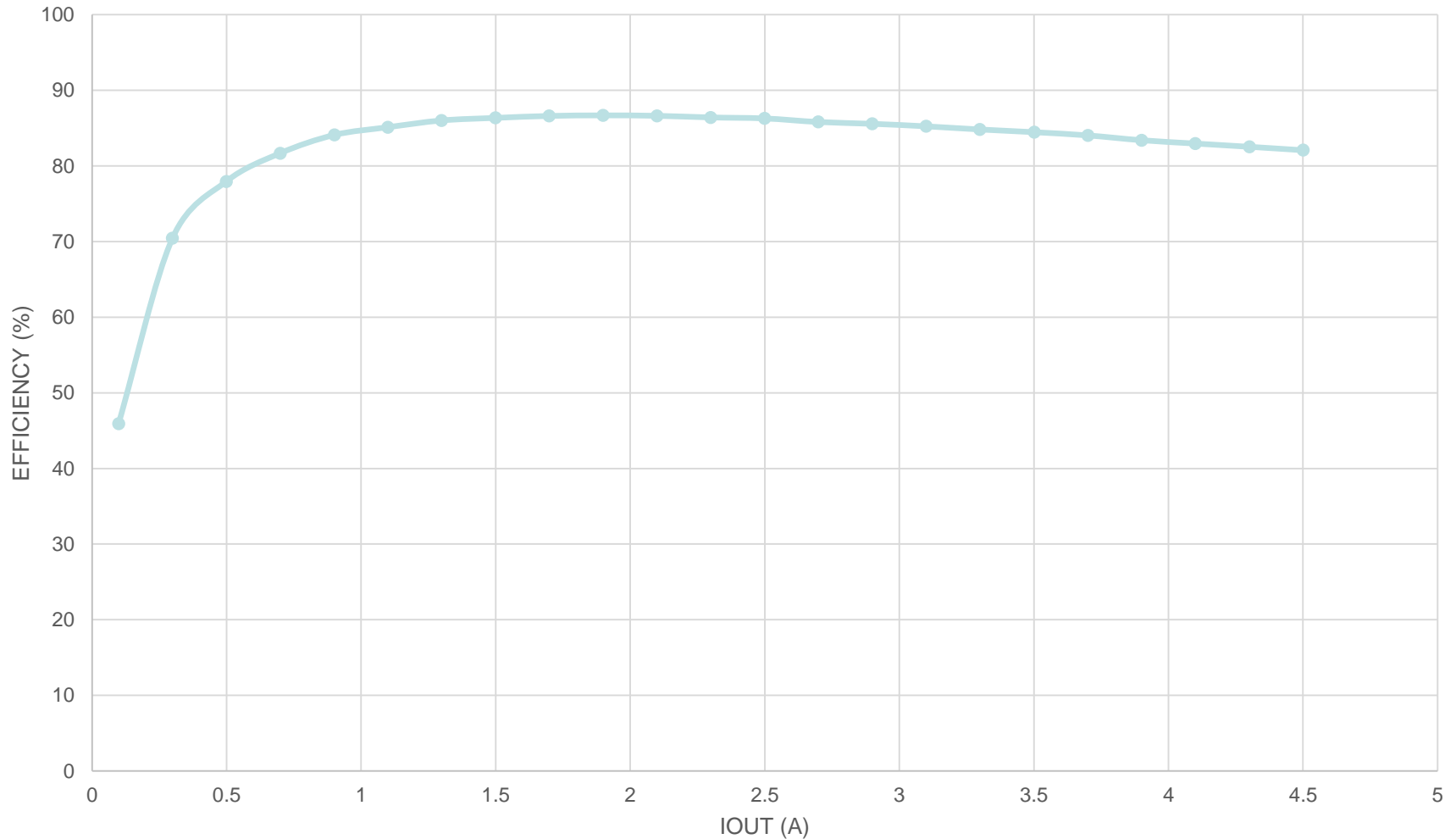
VCC_INT Efficiency @ $V_{in} = 5V$, $V_{out} = 1V$



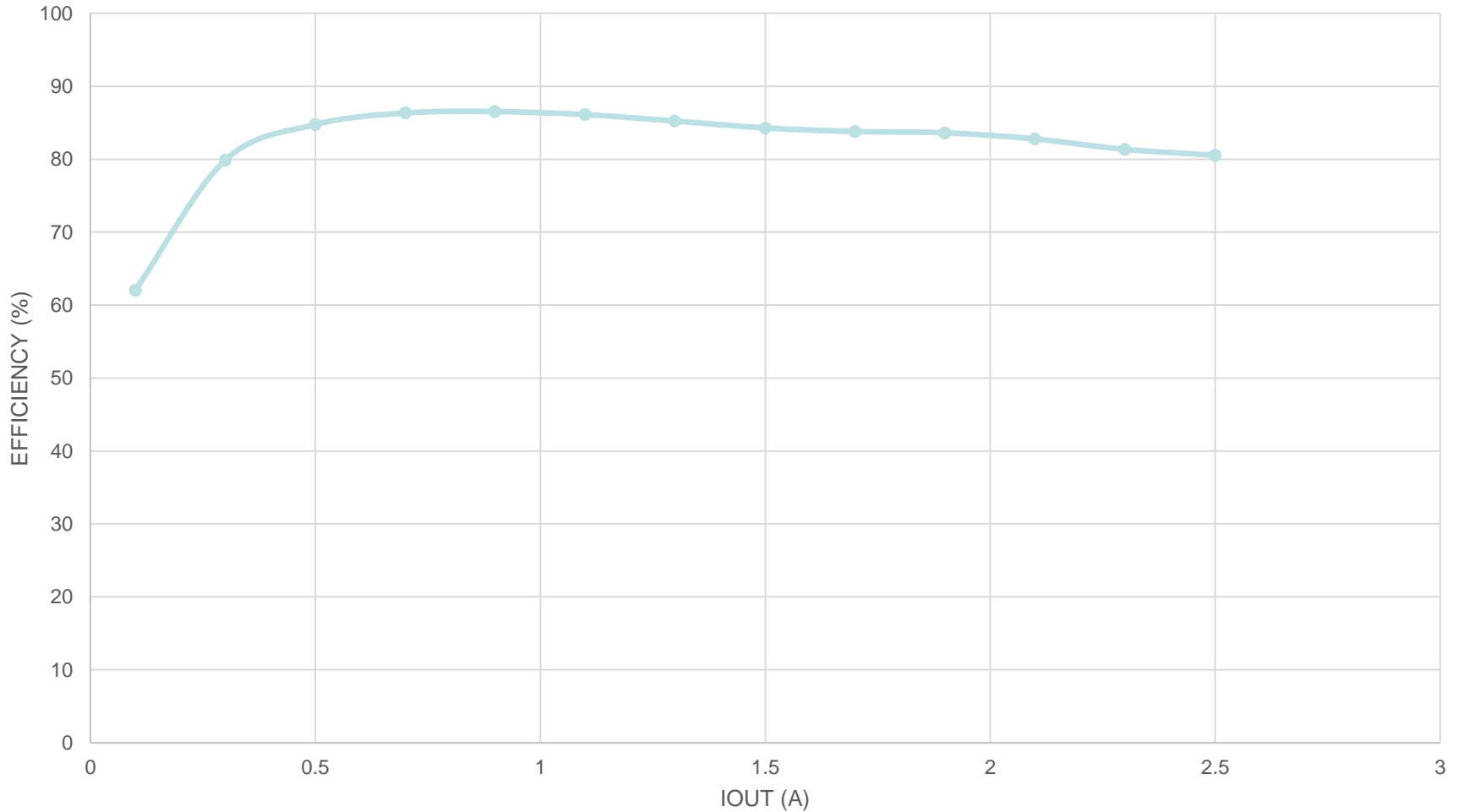
VCC_AUX Efficiency @ $V_{in} = 5V$, $V_{out} = 1.8V$



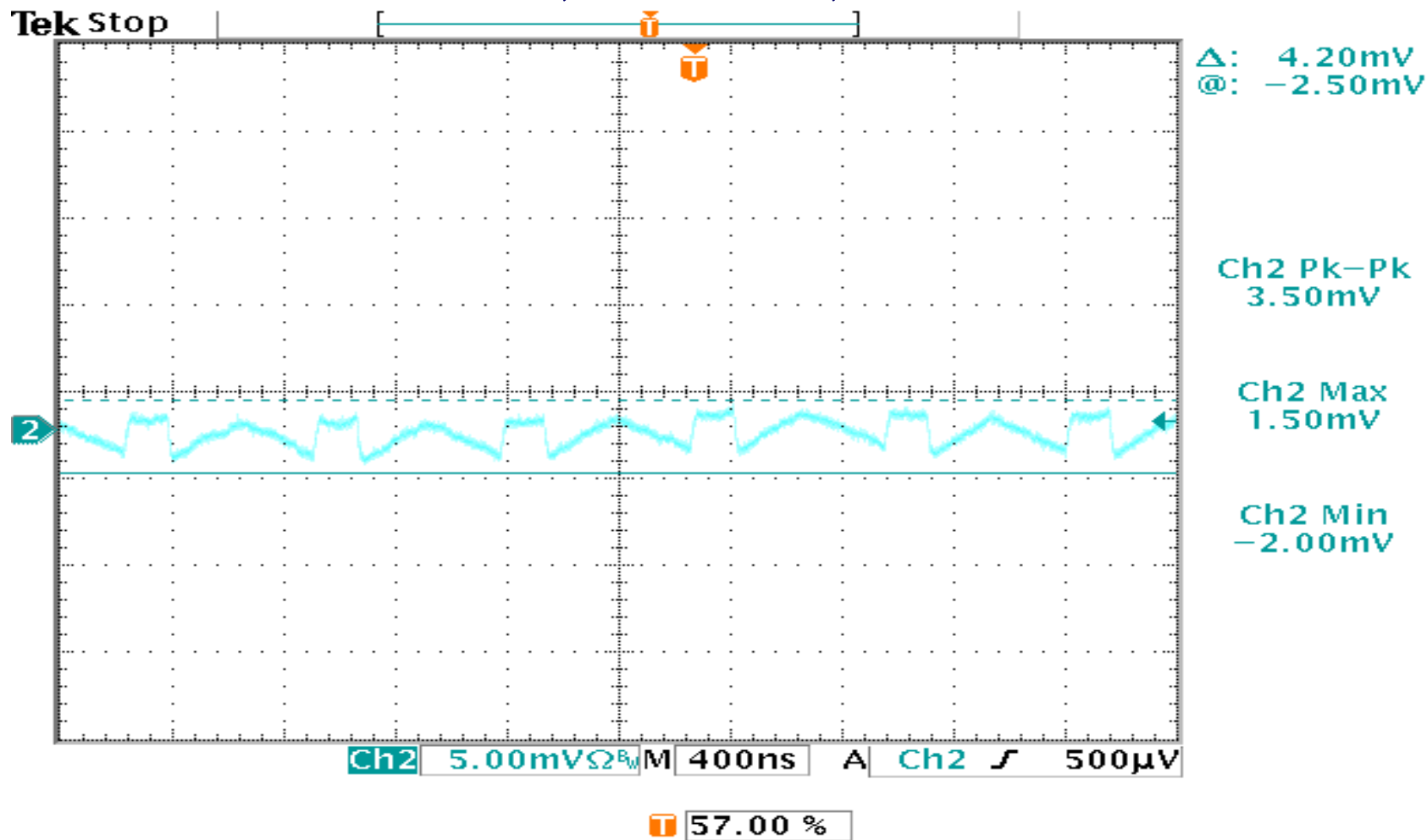
VCC_DDR Efficiency @ $V_{in} = 5V$, $V_{out} = 1.5V$



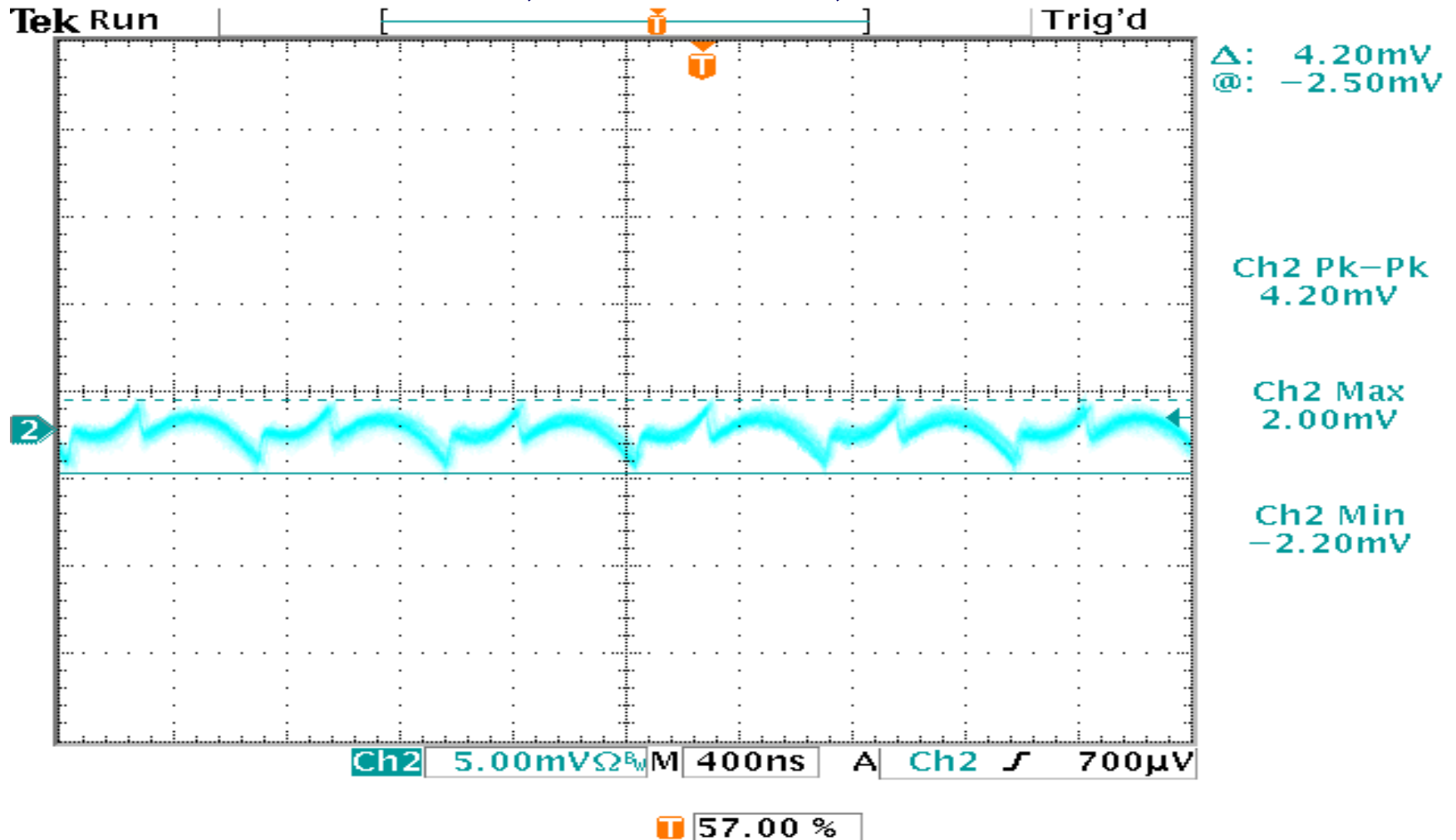
VCC_IO Efficiency @ Vin = 5V, Vout = 3.3V



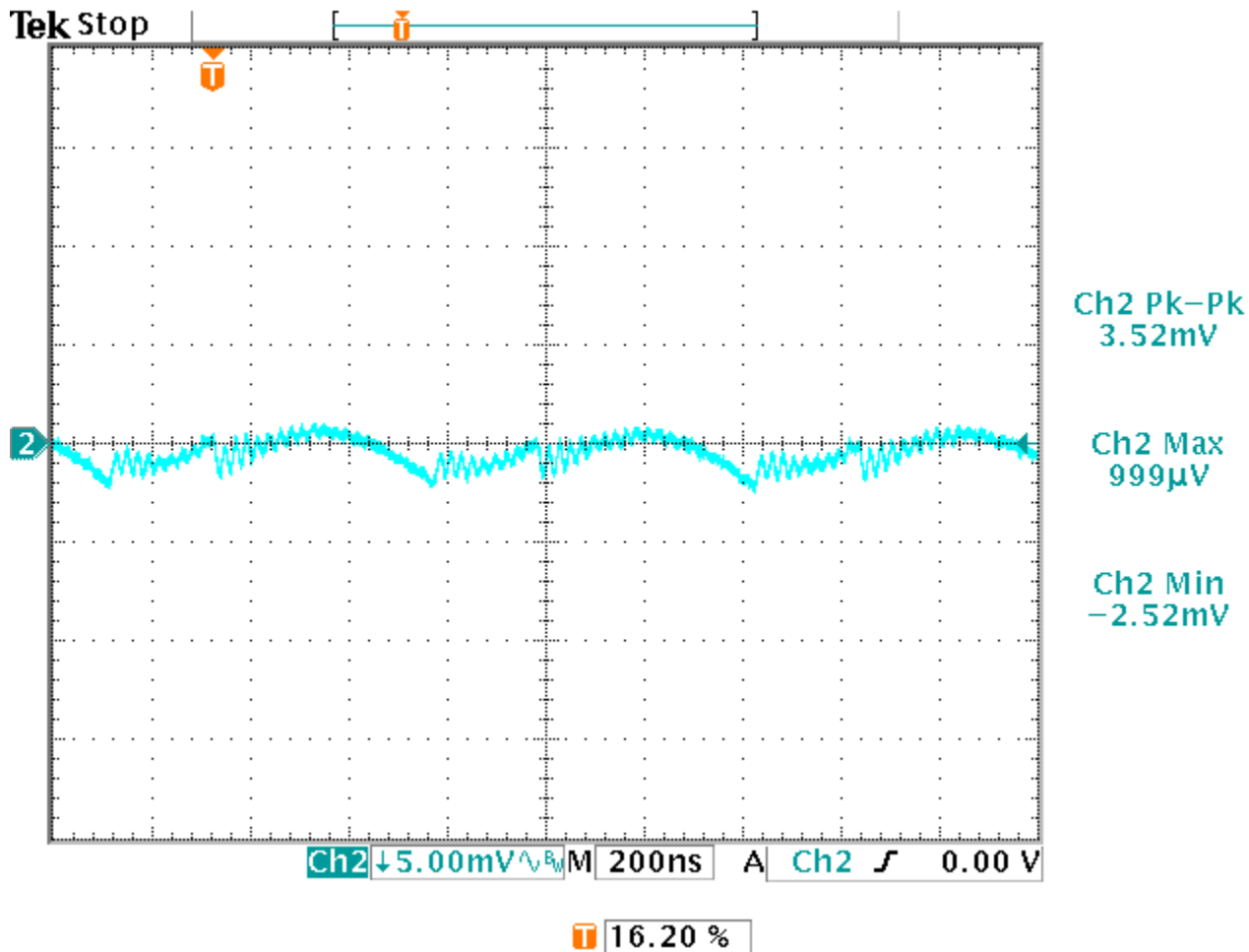
$V_{in} = 5V$, $V_{out} = 1V$, $I_{out} = 2.5A$



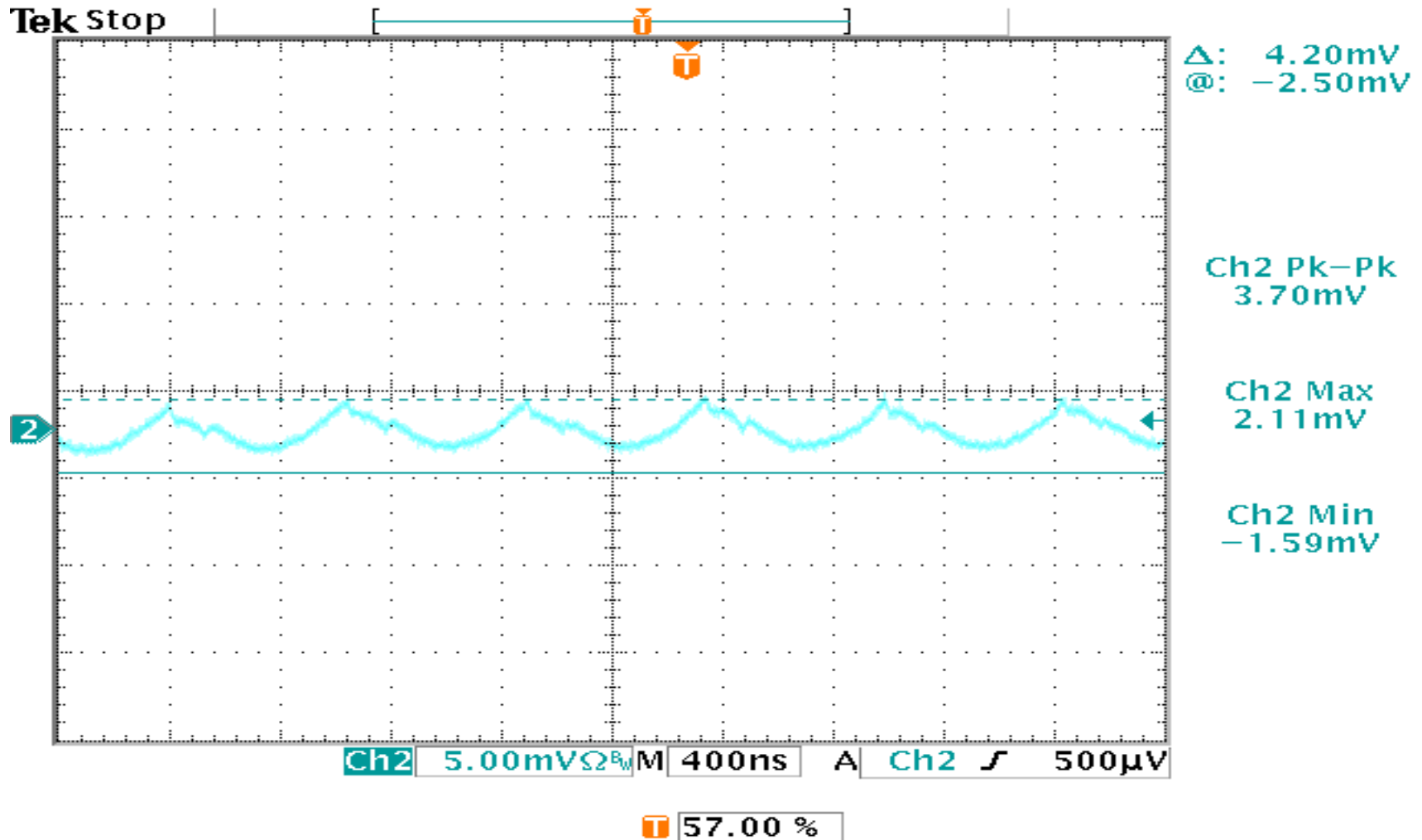
$V_{in} = 5V$, $V_{out} = 1.8V$, $I_{out} = 0.35A$



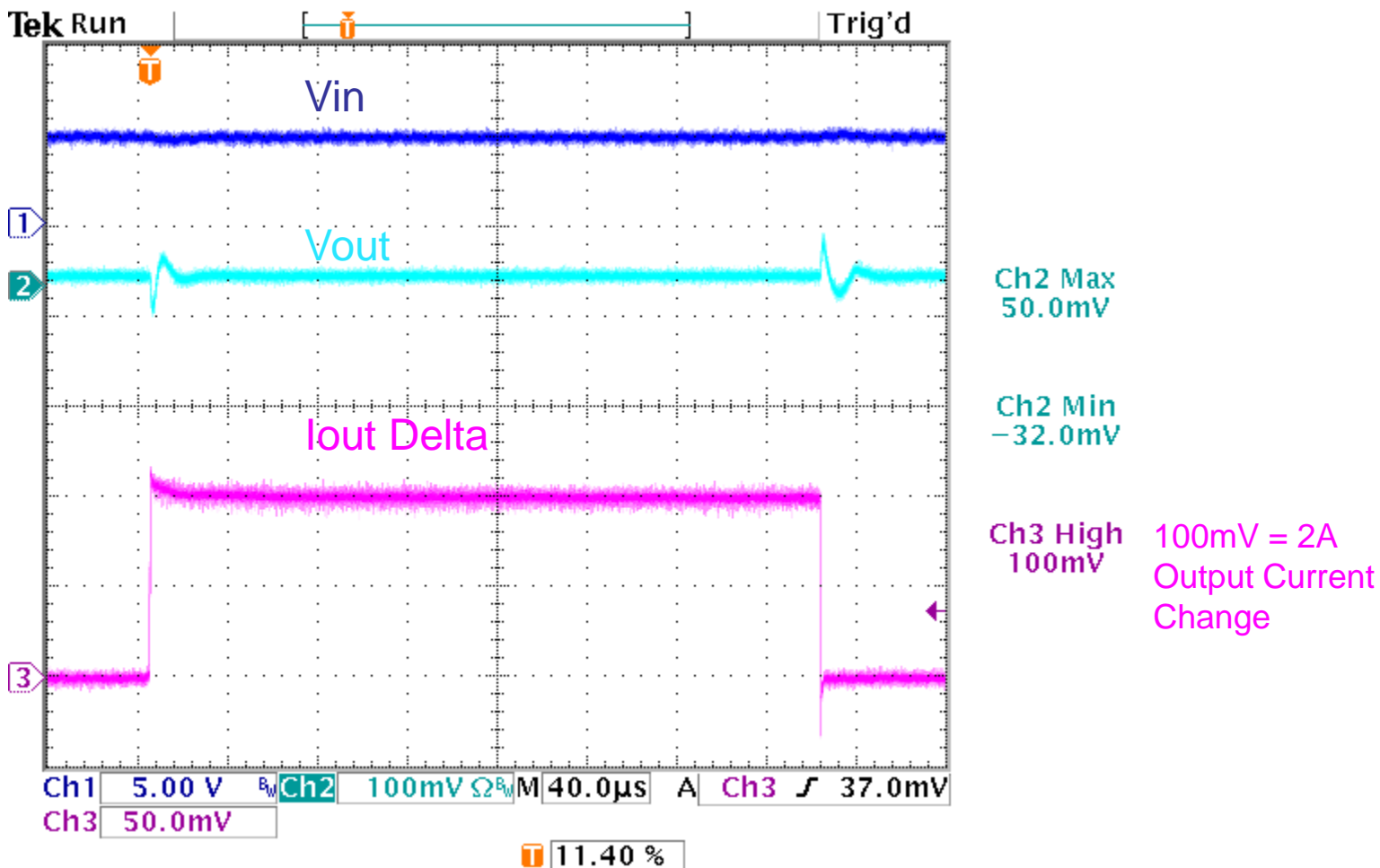
$V_{in} = 5V$, $V_{out} = 1.5V$, $I_{out} = 2A$



$V_{in} = 5V$, $V_{out} = 3.3V$, $I_{out} = 2.5A$



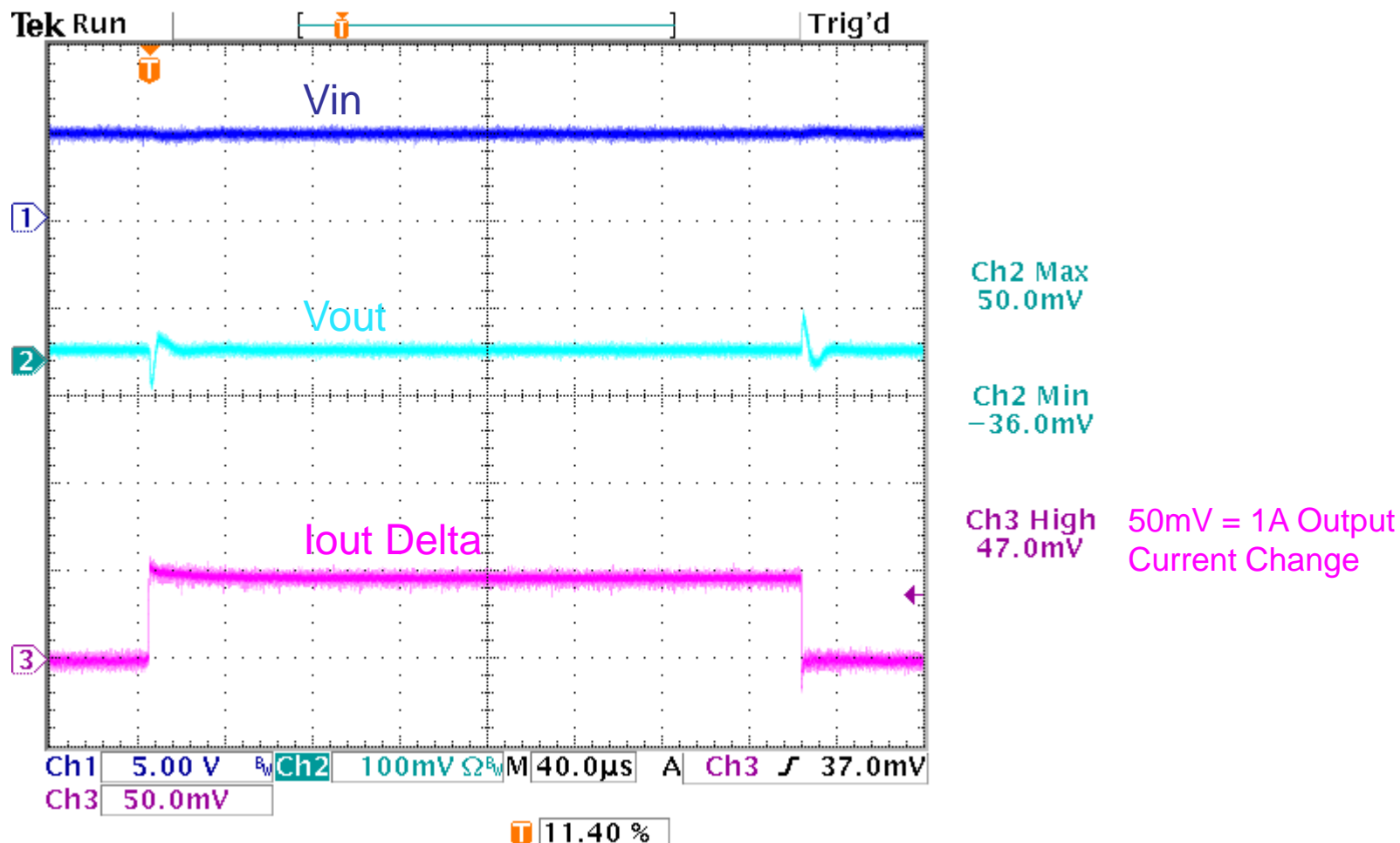
$V_{in} = 5V$, $V_{out} = 1V$, $I_{out} = 1A$ to $3A$ @ $10A/\mu s$



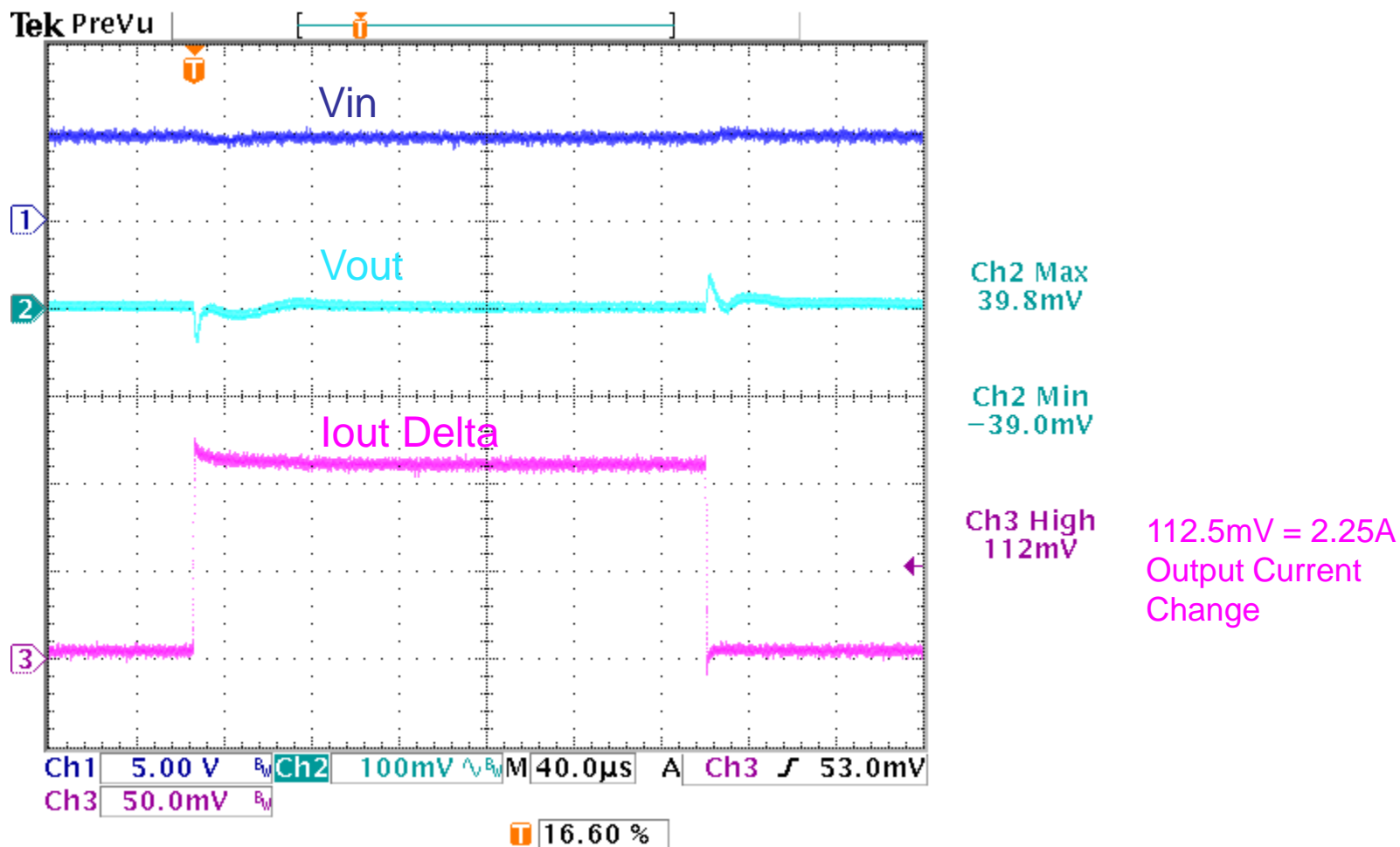


VCCAUX (1.8V) Transient Response

$V_{in} = 5V$, $V_{out} = 1.8V$, $I_{out} = 0.5A$ to $1.5A$ @ $10A/\mu s$



$V_{in} = 5V$, $V_{out} = 1.5V$, $I_{out} = 1.125A$ to $3.375A$ @ $10A/\mu s$



$V_{in} = 5V$, $V_{out} = 3.3V$, $I_{out} = 0.625A$ to $1.875A$ @ $10A/\mu s$

