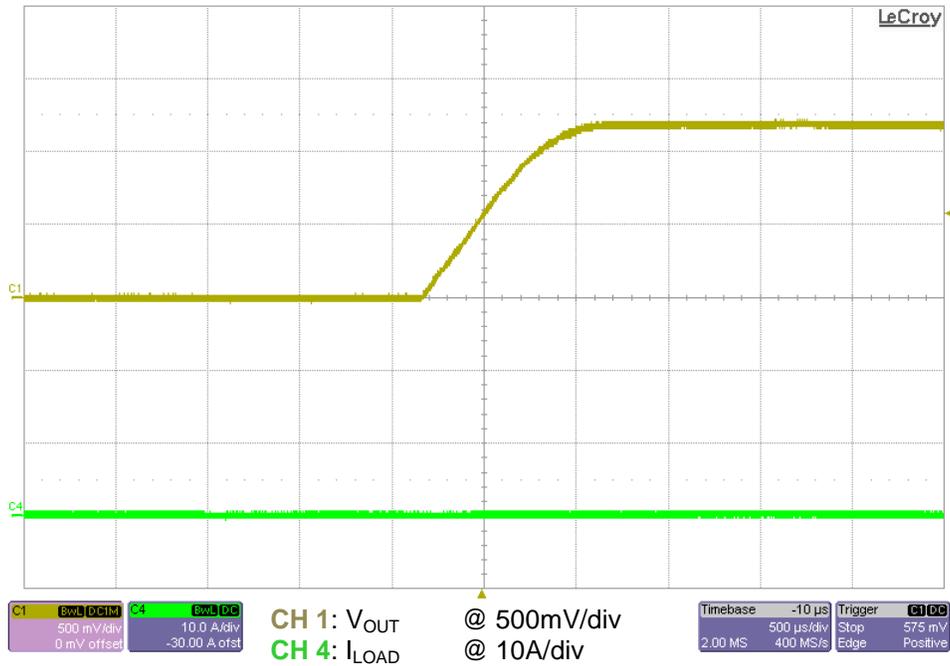
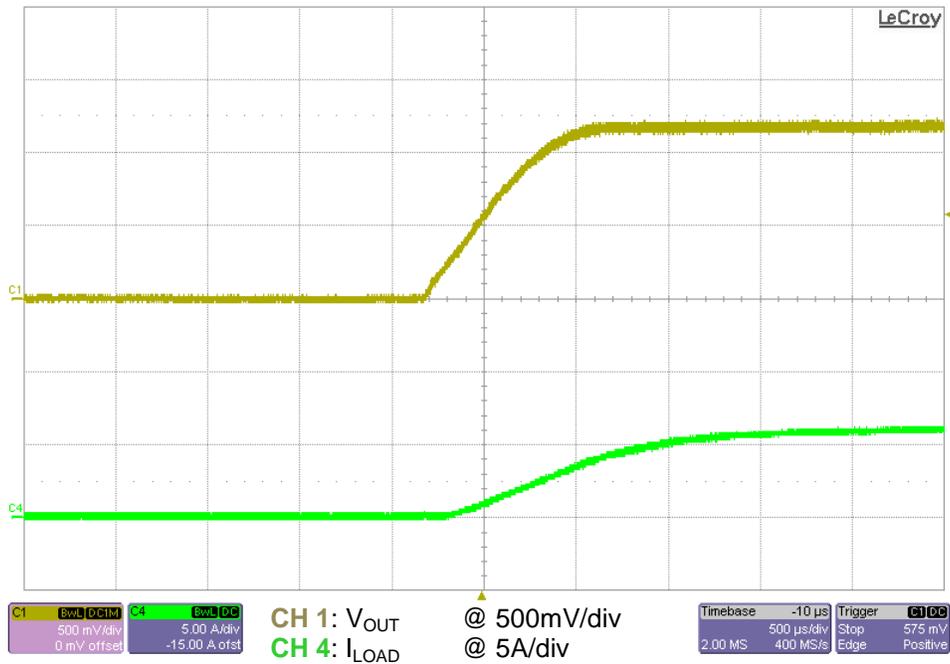


## 1 Startup

### 1.1 No Load

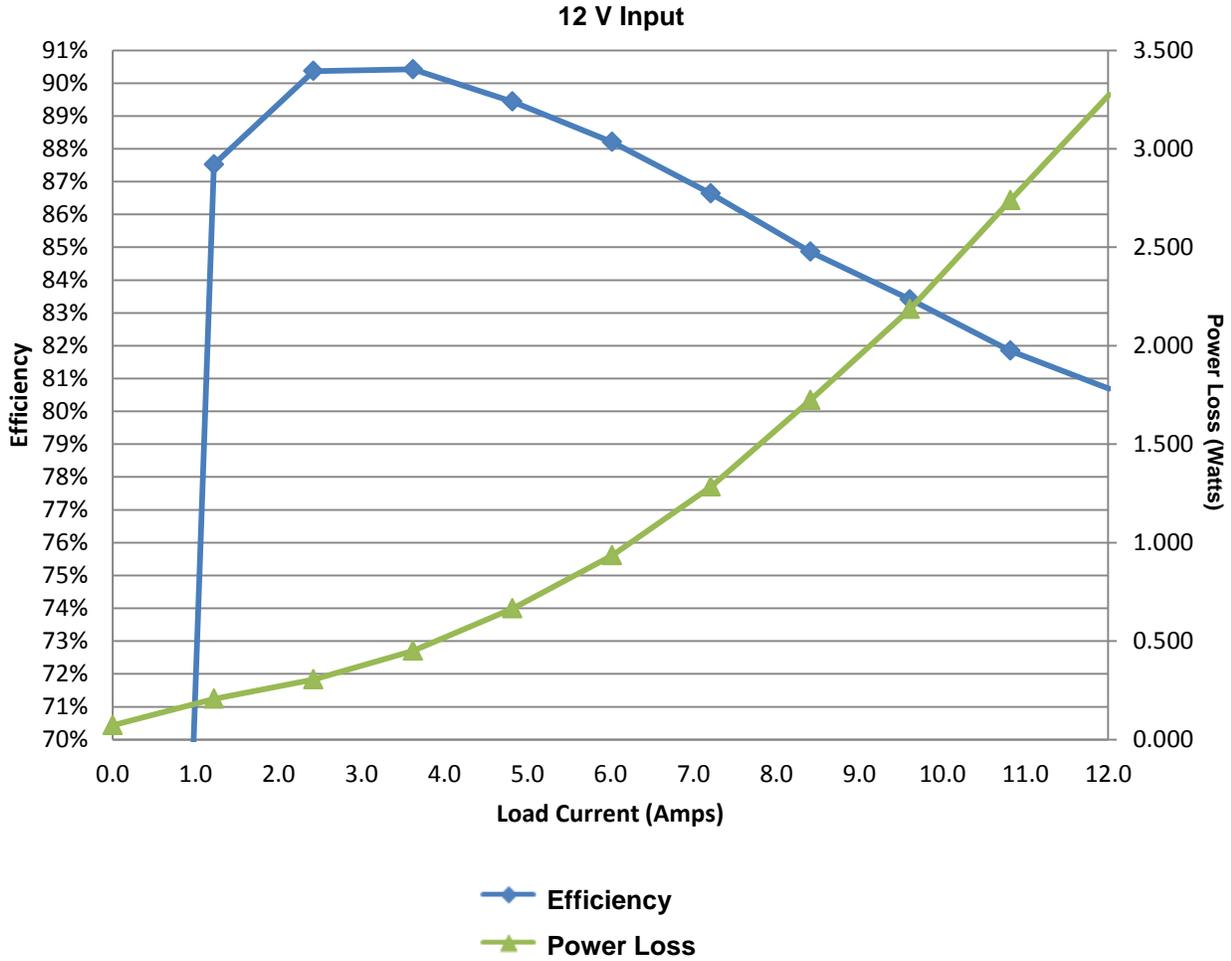


### 1.2 50% Load Current



## 2 Efficiency

The efficiency data is shown in the table and graph below.



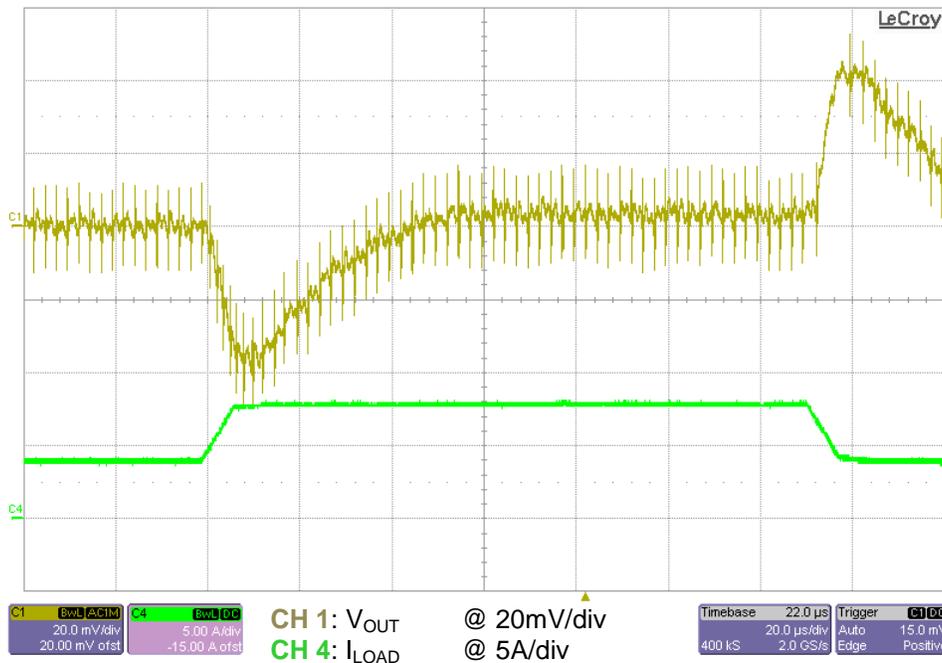
## 3 Output Ripple Voltage

The output was loaded with 12A.



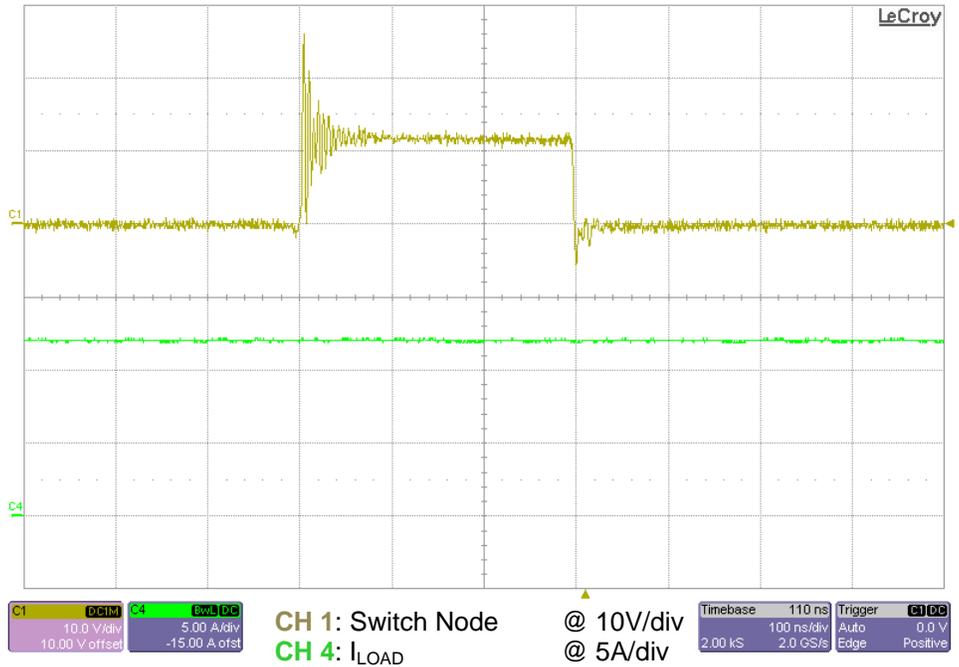
## 4 Load Transients

The response to a load step from 3A to 9A is shown in the image below. Channel 1: V<sub>out</sub> (ac coupled); Channel 4: I<sub>out</sub>



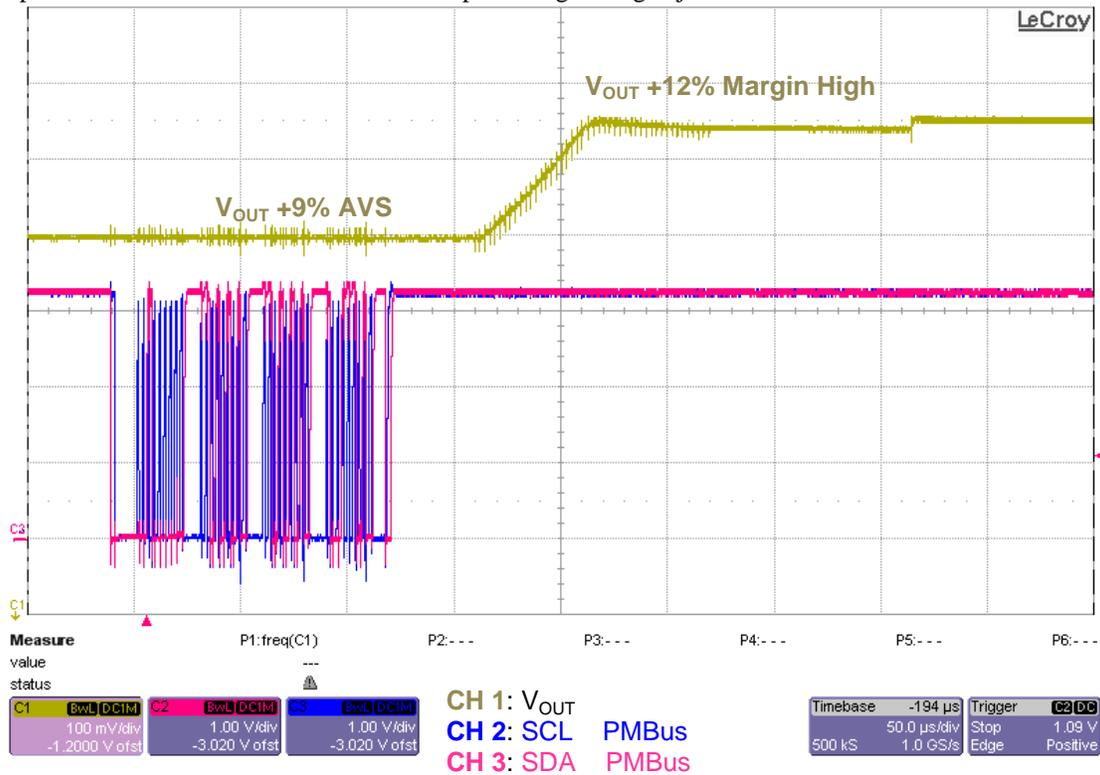
## 5 Switching Waveform – SW pin of U1

The output was loaded with 12A.



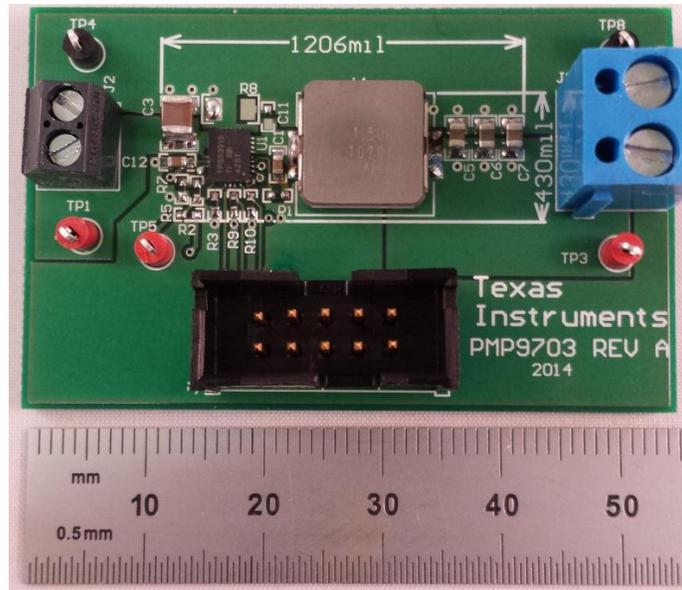
## 6 PMBus controlled Voltage Adjustment

The photograph below demonstrates the TPS53915 output voltage being adjusted via PMBus.



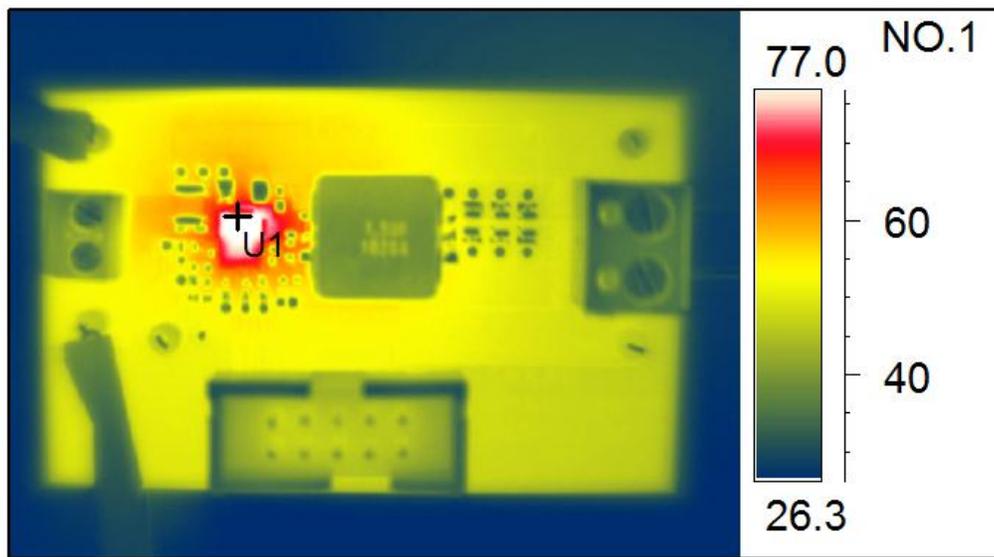
### 7 Photo

The photograph below shows the PMP9703 demo board.



### 8 Thermal Image

The ambient temperature was 25C with no forced air flow. The output was loaded with 12A.



Spot analysis	Value
U1 Temperature	78.0°C

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