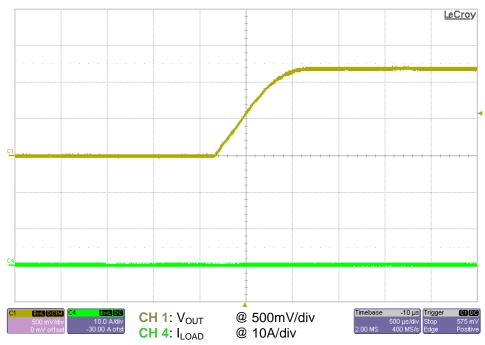
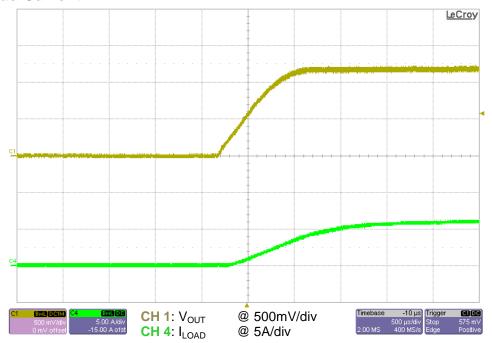


1 Startup

1.1 No Load



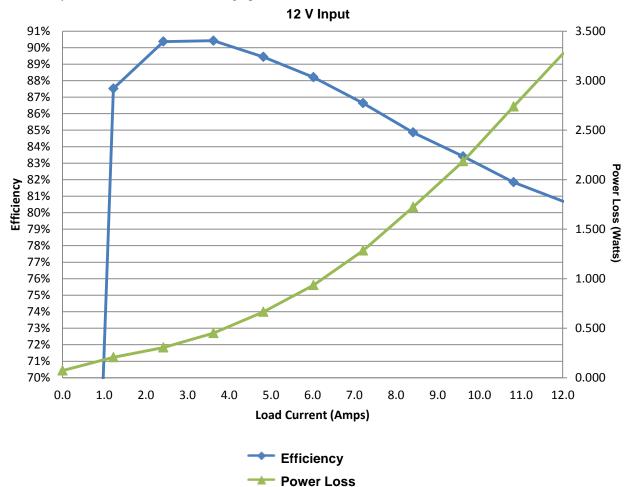
1.2 50% Load Current





2 Efficiency

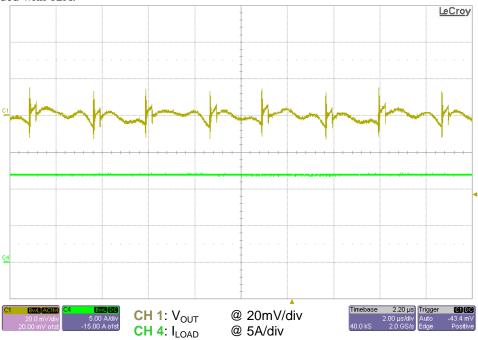
The efficiency data is shown in the table and graph below.



TEXAS INSTRUMENTS

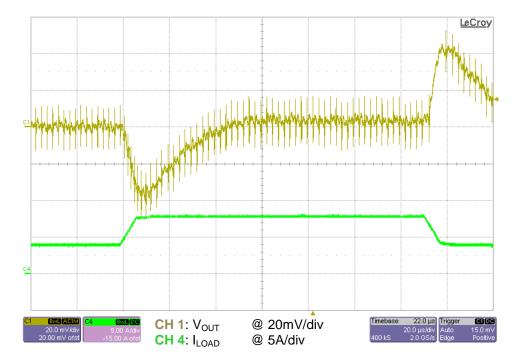
3 Output Ripple Voltage

The output was loaded with 12A.



4 Load Transients

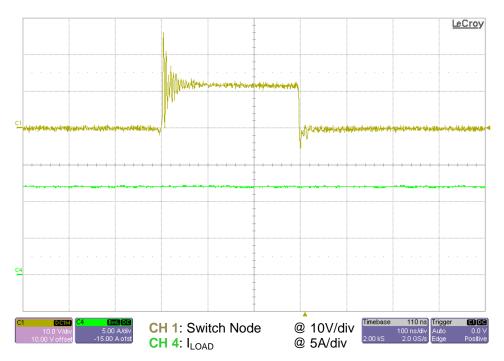
The response to a load step from 3A to 9A is shown in the image below. Channel 1: Vout (ac coupled); Channel 4: Iout





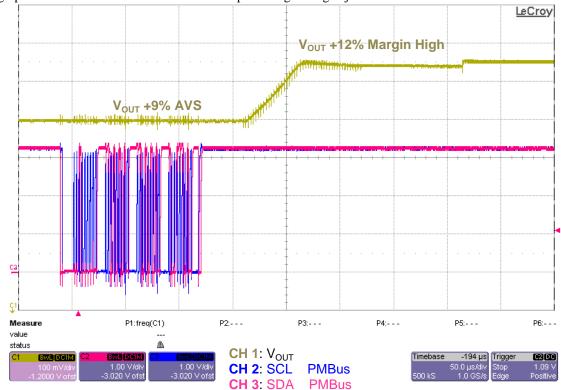
5 Switching Waveform - SW pin of U1

The output was loaded with 12A.



6 PMBus controlled Voltage Adjustment

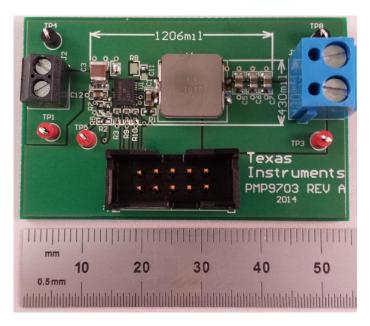
The photograph below demonstrates the TPS53915 output voltage being adjusted via PMBus.





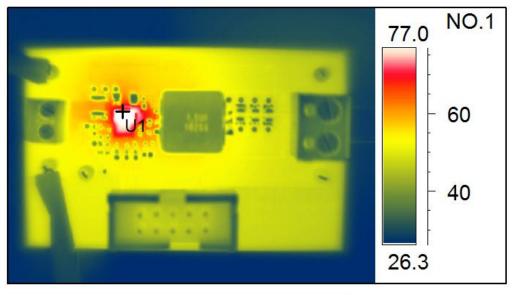
7 Photo

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	NO.1
U1 Temperature	78.0°C	

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