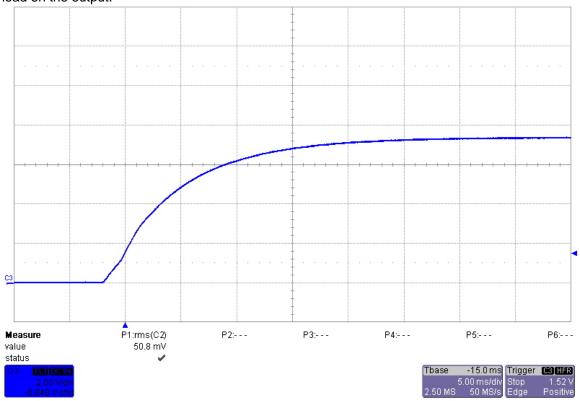


### 1 Startup

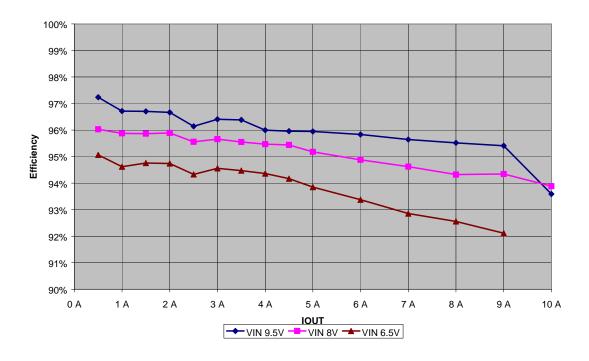
The startup waveform is shown in the figure below. The input voltage was set at 8V, with 10A load on the output.





# 2 Efficiency

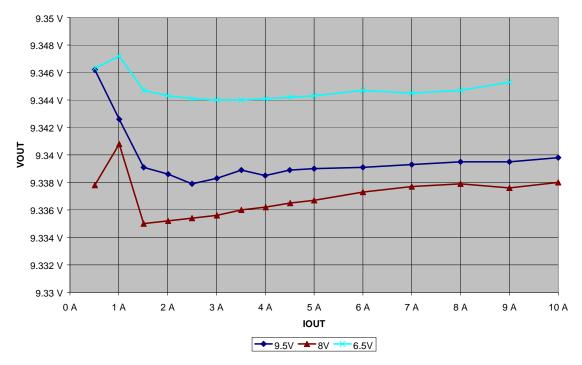
The efficiency is shown in the figure below.





# 3 Load Regulation

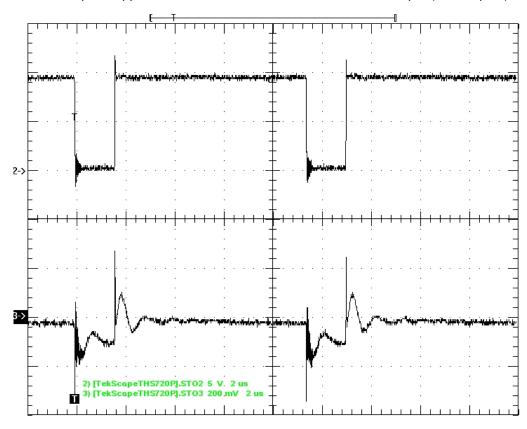
The load regulation of the output is shown in the graph below.





## 4 Output Ripple Voltage

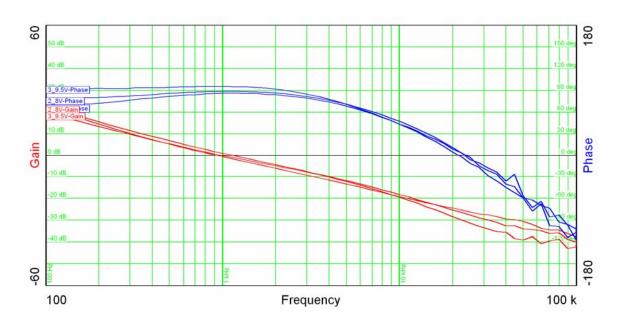
The output ripple voltage is shown in the figure below. The image was taken with a 8 A load and 8V at the input – upper channel is switchnode, lower channel is output (AC-coupled).





## 5 Control Loop Frequency Response

The figure below shows the loop response with different input voltages.



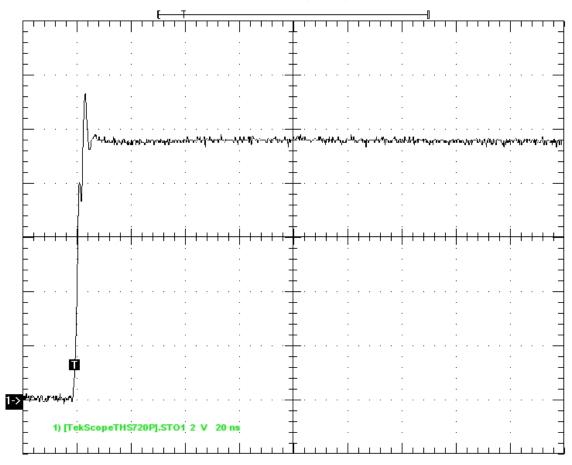


#### 6 Load Transients

The figure below shows the response to load transients. The input voltage was set to 8V. The load is switching from 4 A to 8 A.



# 7 Switch Node Waveform – rising edge w/ short leads:



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