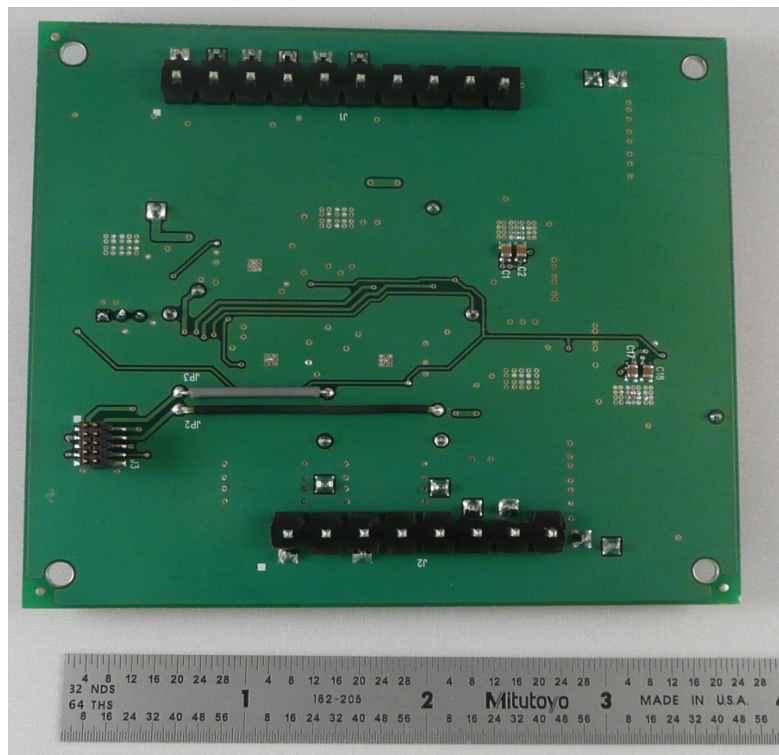
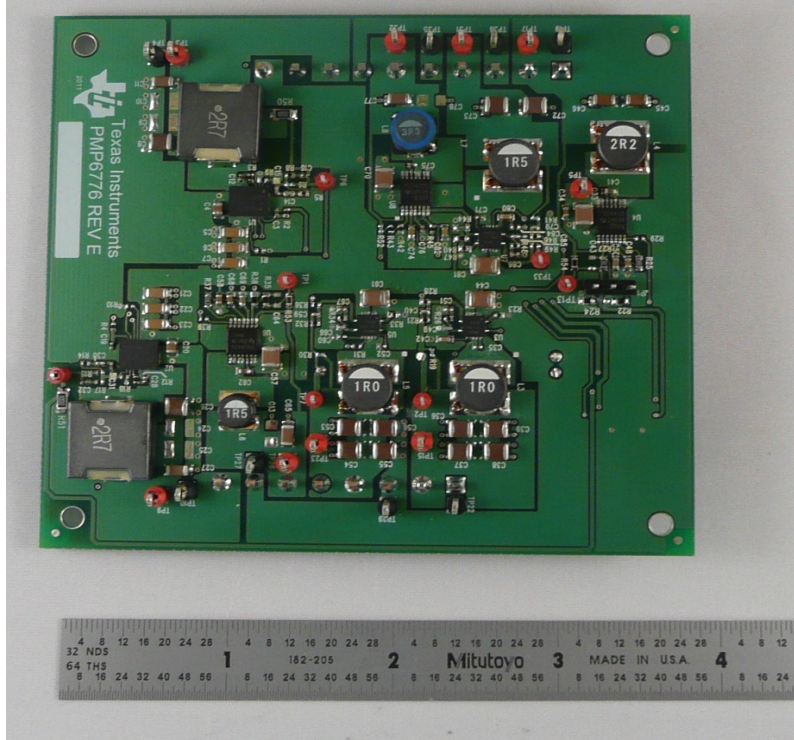


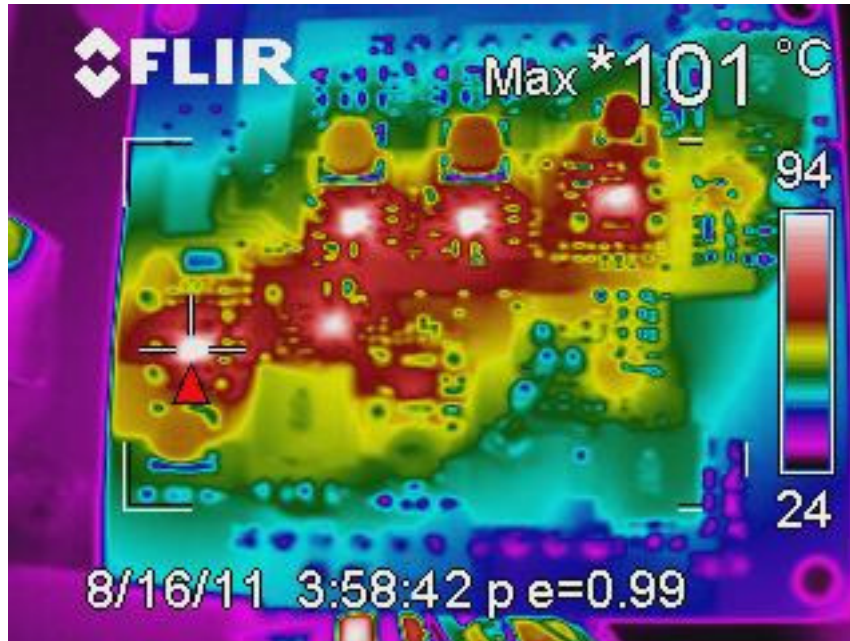
1 Photo

The photographs below show the top and bottom view of the PMP6776 Rev F demo board.



2 Thermal Images

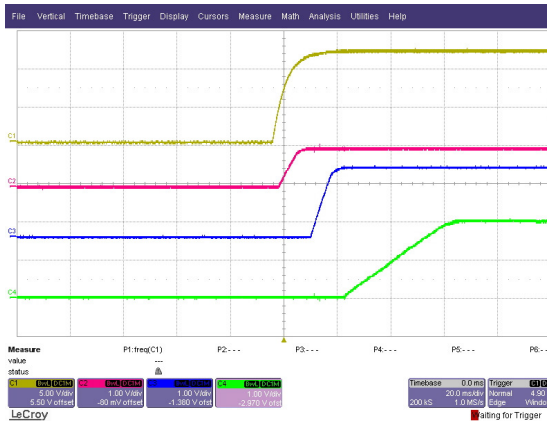
The images below show thermal images of the board. The ambient temperature was 25°C with no forced air flow.



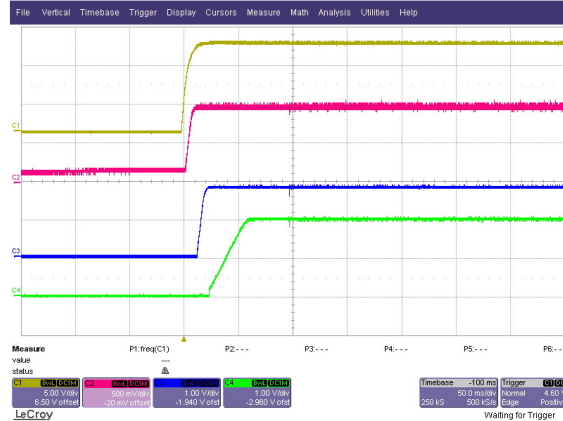
3 Start-up Timing

The output voltages at startup are shown in the images below.

- CH1: Vin, CH2: 1V, CH3: 1.8V, CH4: 2V

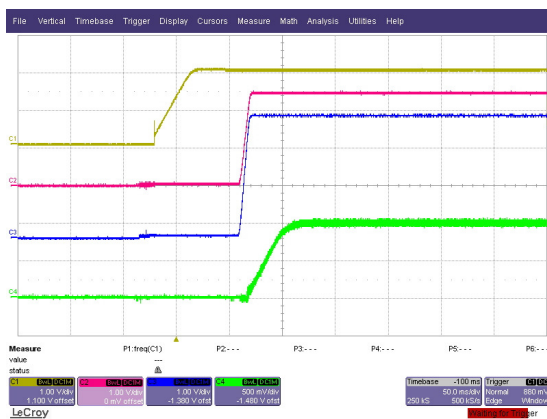


No Load

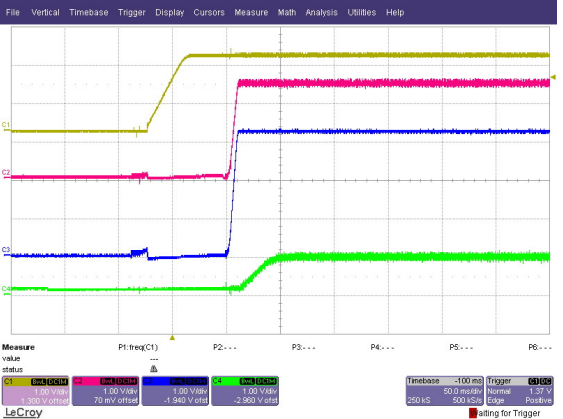


Full Load

- CH1: 2V, CH2: 2V5, CH3: 3V3, CH4: 1V MGT

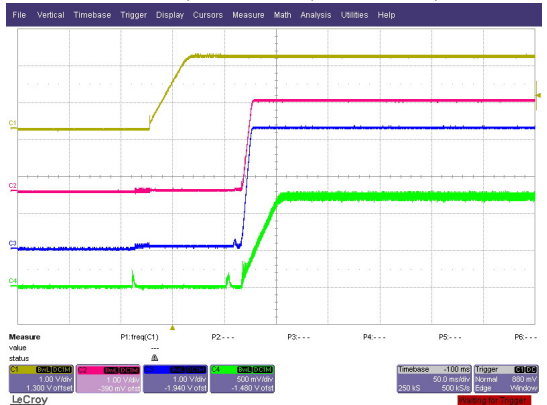


No Load

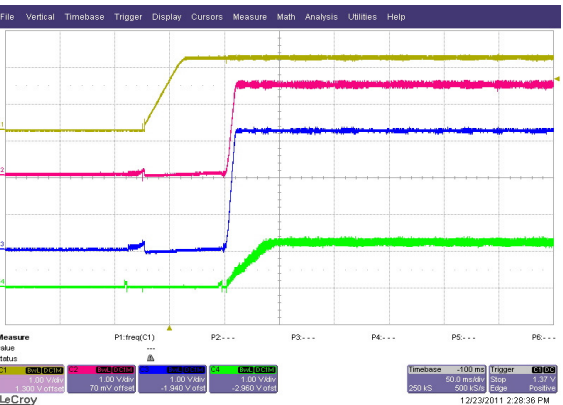


Full Load

- CH1: 2V, CH2: 2V5, CH3: 3V3, CH4: 1V2

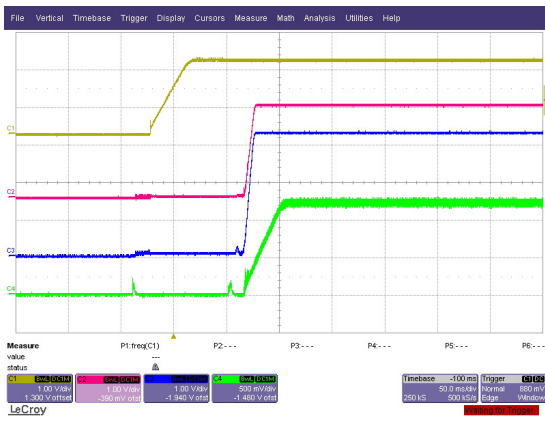


No Load

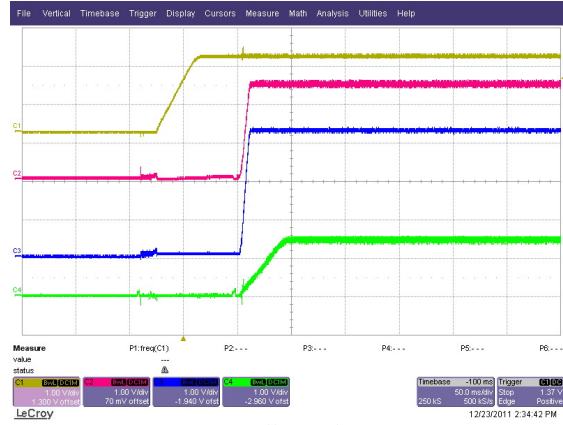


Full Load

- CH1: 2V, CH2: 2V5, CH3: 3V3, CH4: 1V5



No Load

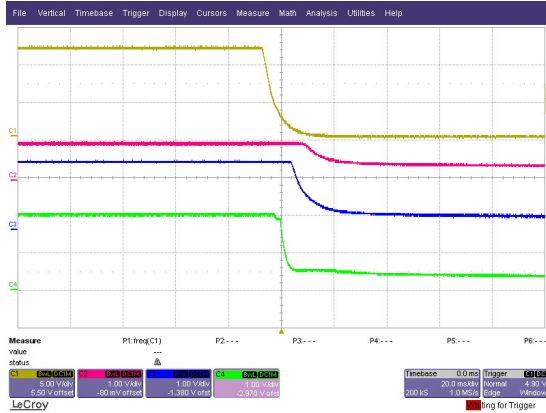


Full Load

4 Turn-off Timing

The output voltages at turn-off are shown in the images below.

CH1: Vin, CH2: 1V, CH3: 1.8V, CH4: 2V

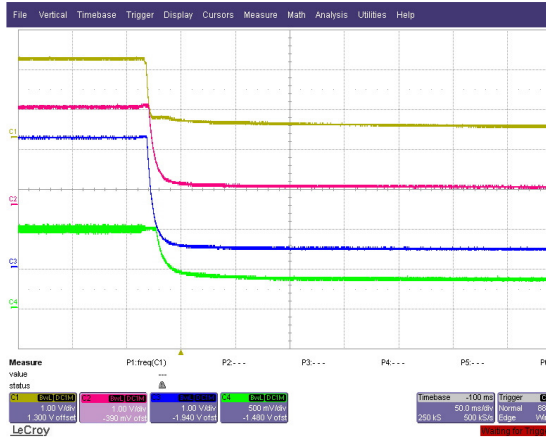


No Load

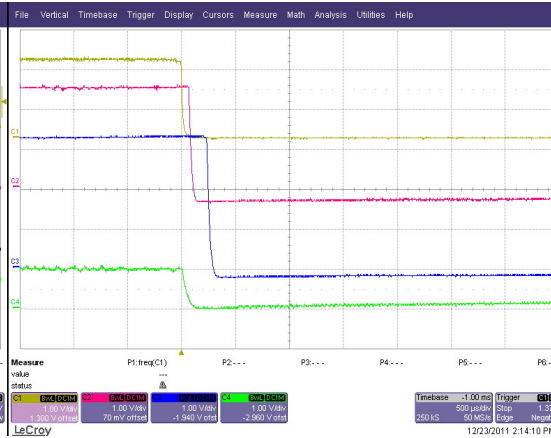


Full Load

- CH1: 2V, CH2: 2V5, CH3: 3V3, CH4: 1V MGT

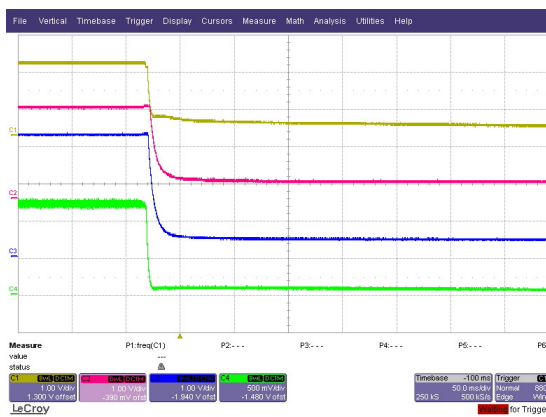


No Load

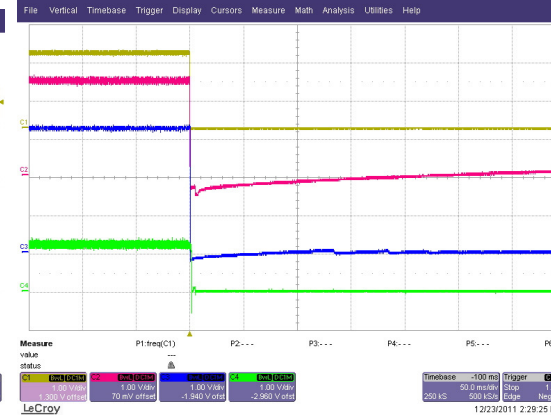


Full Load

- CH1: 2V, CH2: 2V5, CH3: 3V3, CH4: 1V2

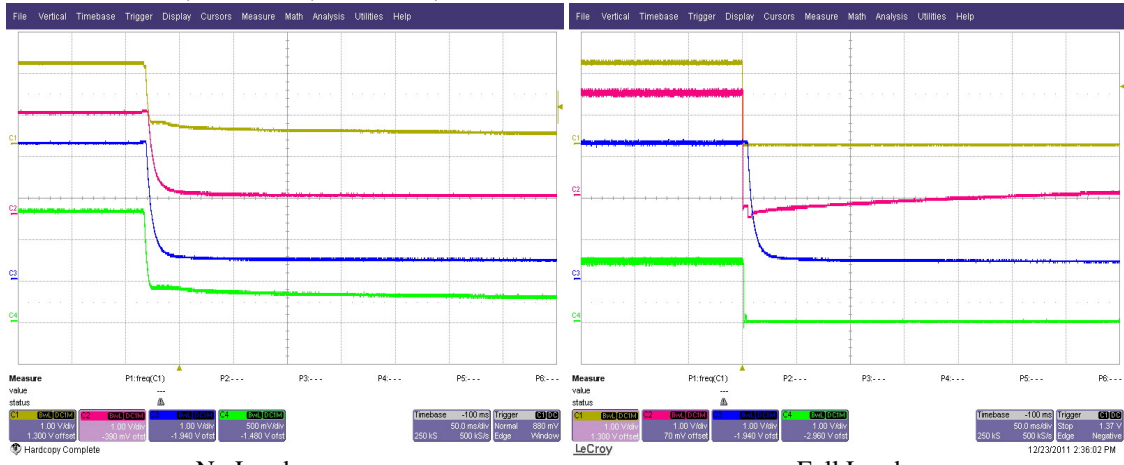


No Load



Full Load

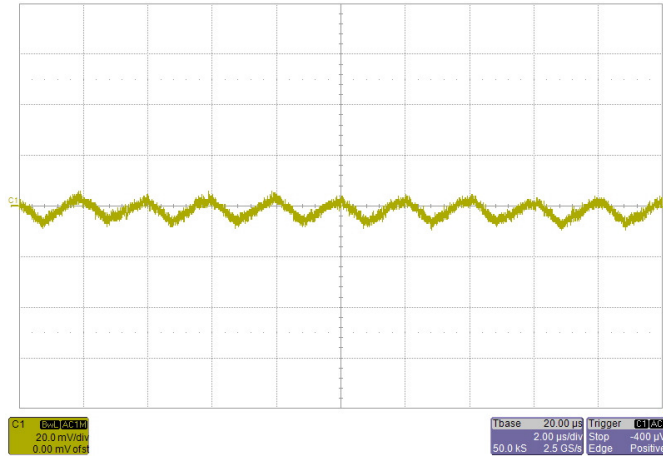
- CH1: 2V, CH2: 2V5, CH3: 3V3, CH4: 1V5



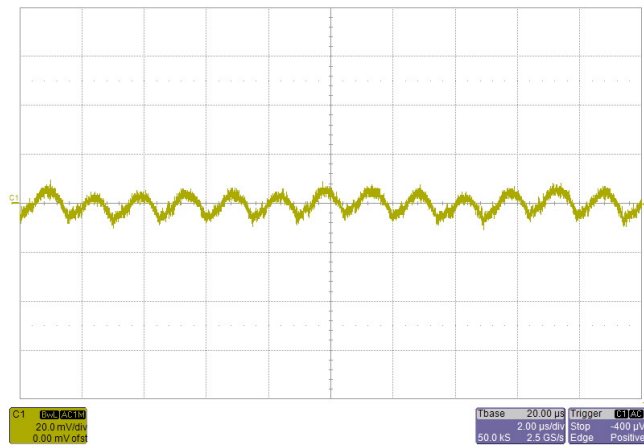
5 Ripple and Noise

The output voltage ripples at full load condition are shown in the images below.

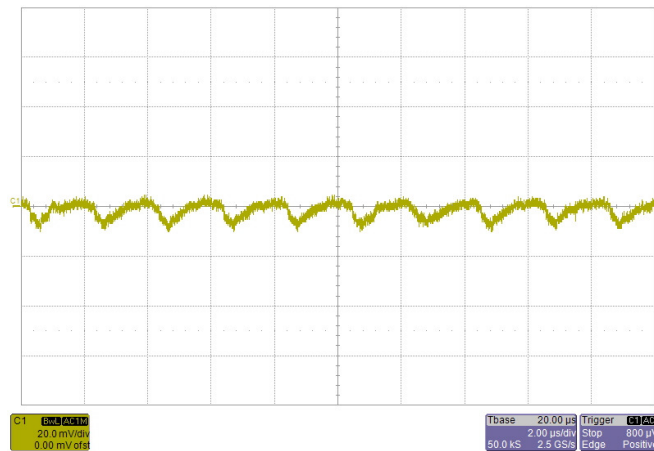
- 1V2



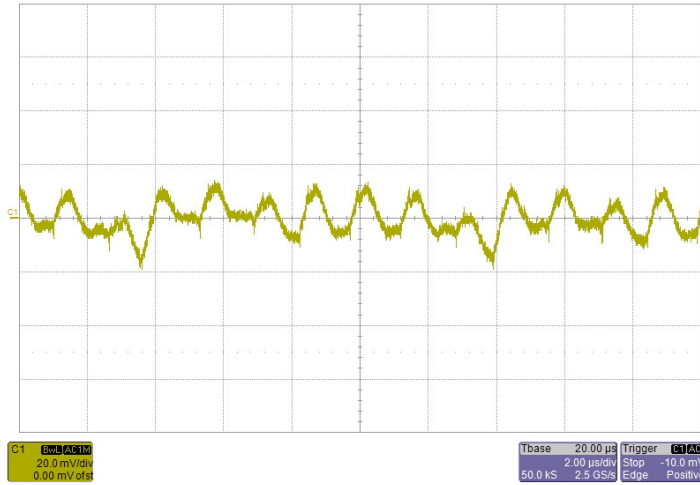
- 2V



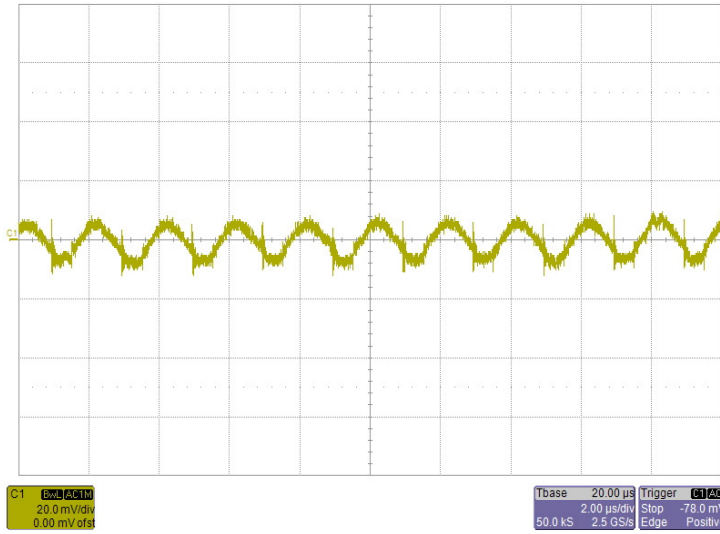
- 1V8



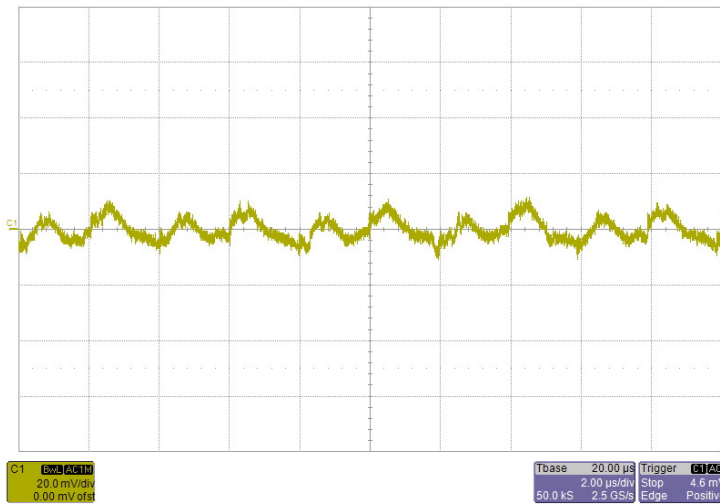
- 1V5



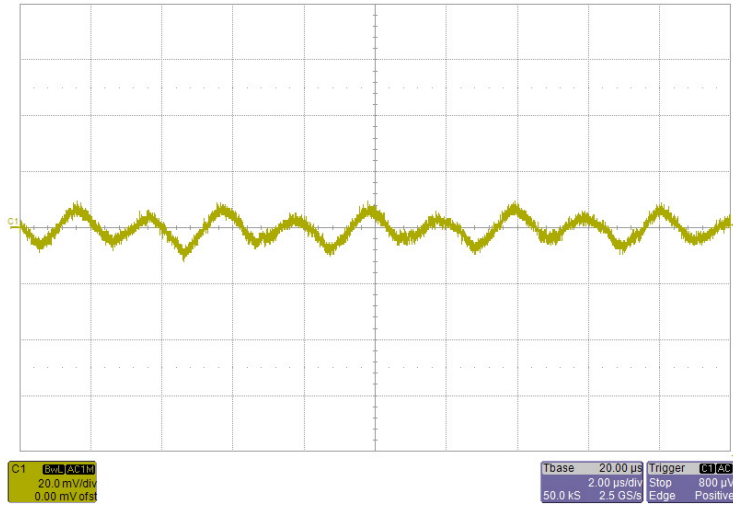
- 3V3



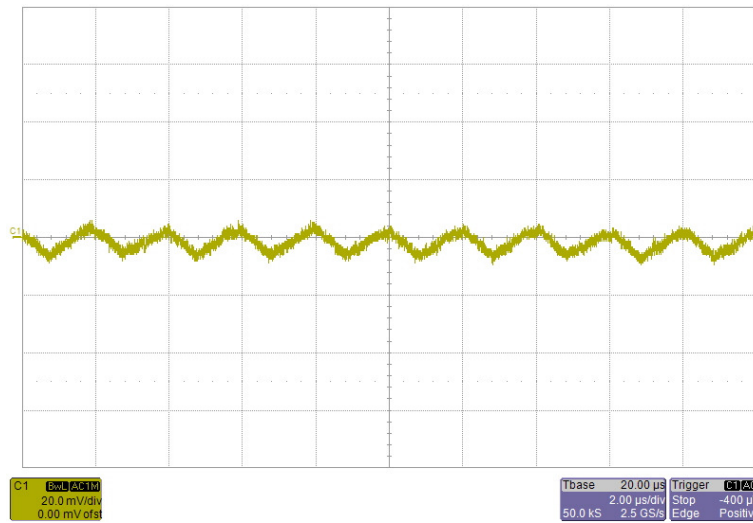
- 2V5



- 1V0_MGT



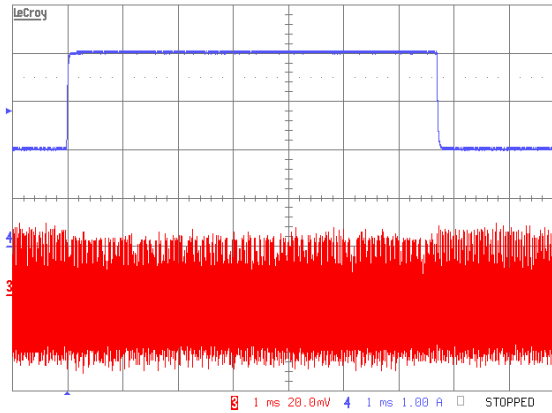
- 1V0



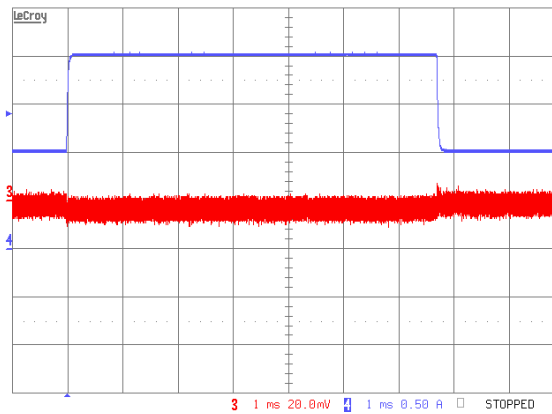
6 Dynamic Response

The dynamic responses of each output are shown in the images below.

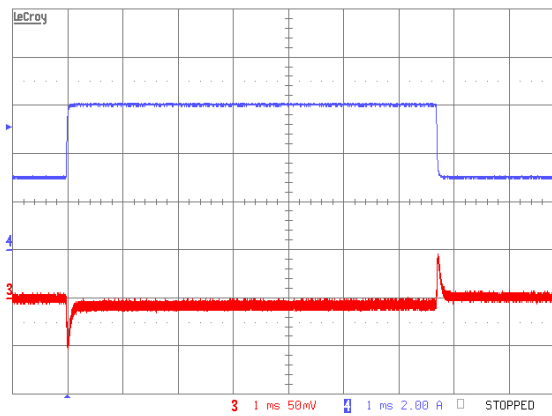
- 1V2: 2A to 4A transient.



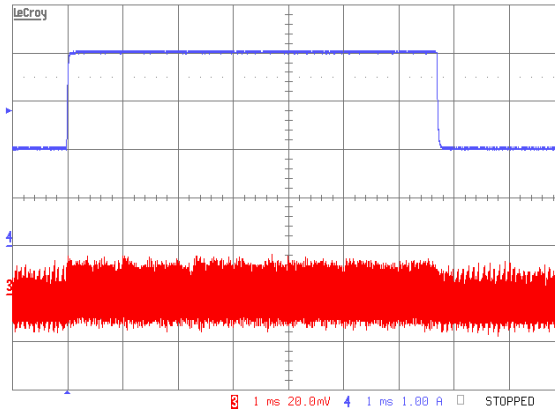
- 2V: 1A to 2A transient.



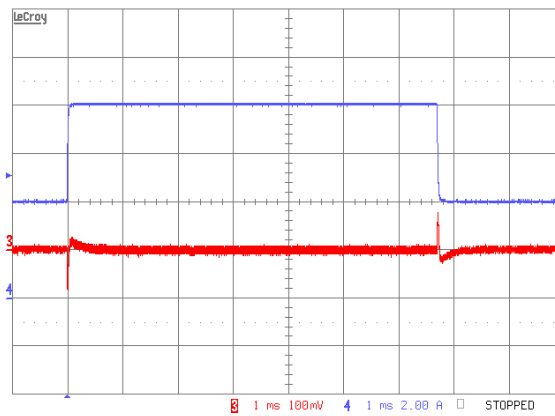
- 1V8: 3A to 6A transient.



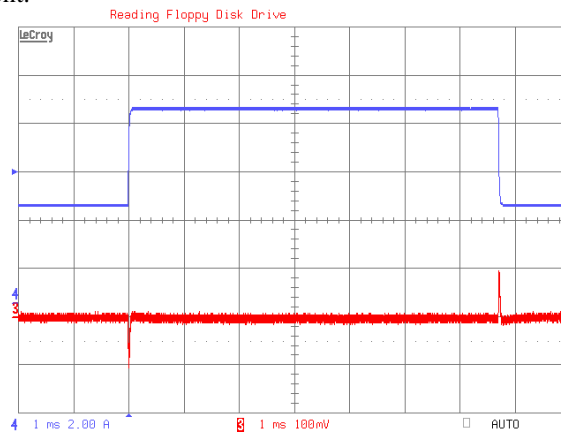
- 1V5: 2A to 4A transient.



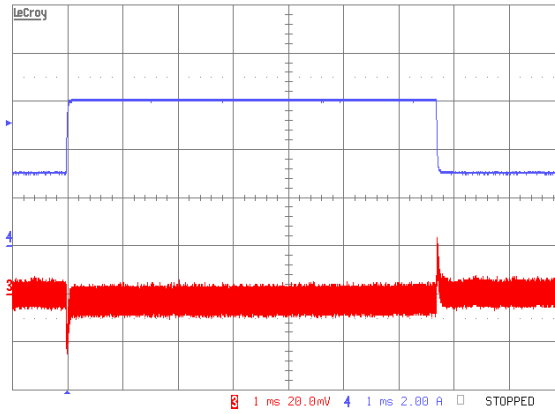
- 3V3: 4A to 8A transient.



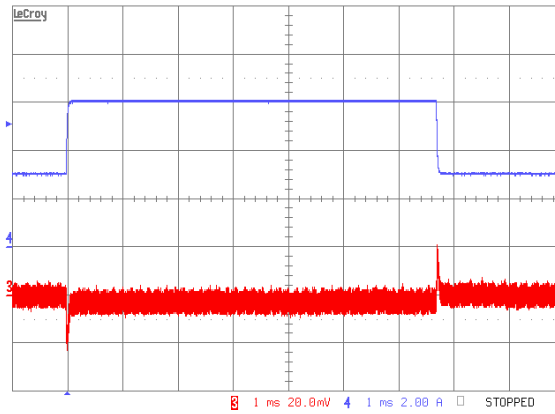
- 2V5: 4A to 8A transient.



- 1V0_MGT



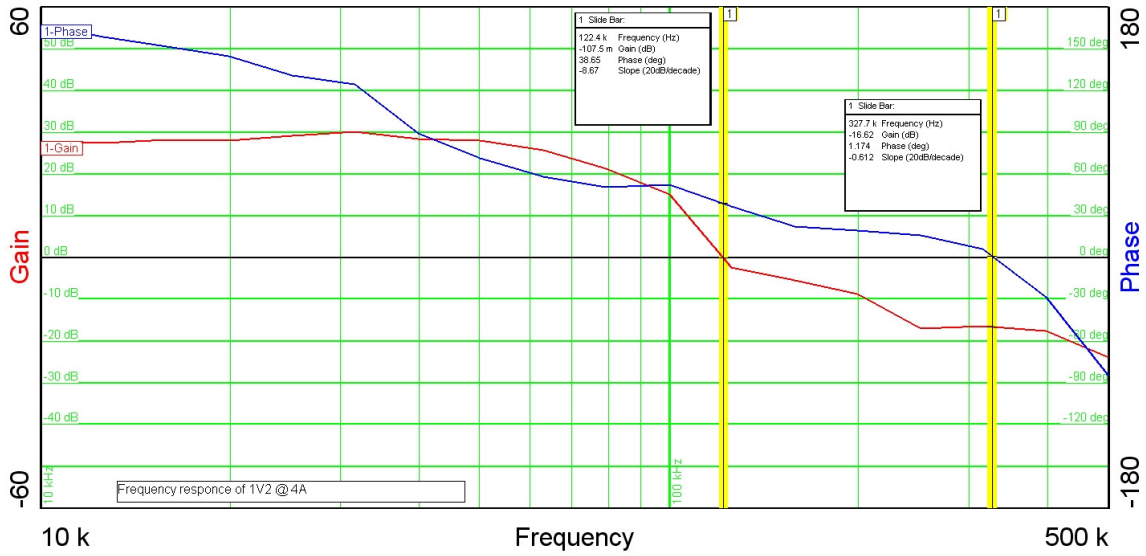
- 1V0



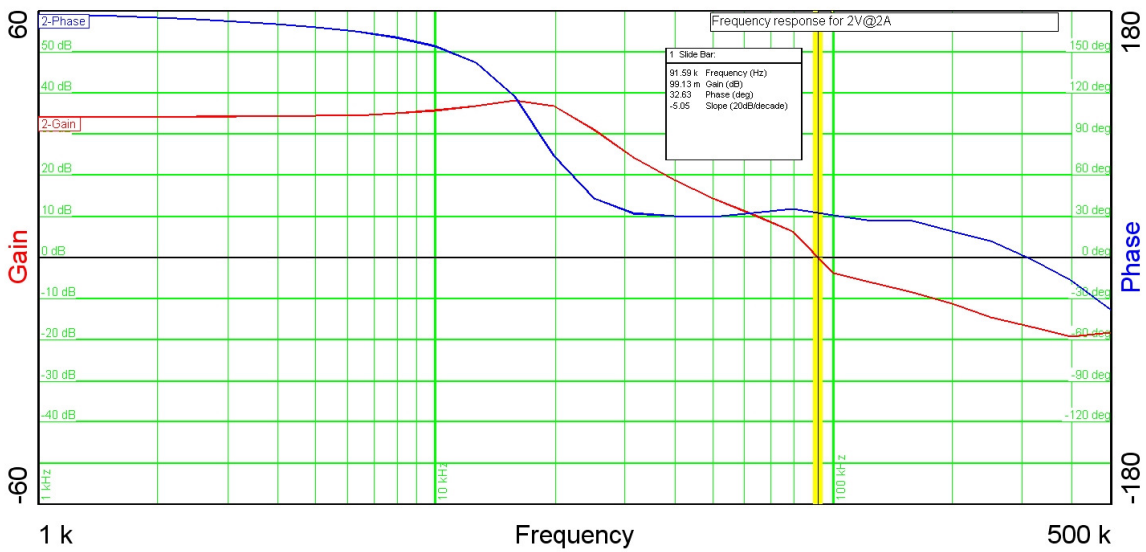
7 Frequency Response

The frequency responses of each rail with maximum load condition are shown as below.

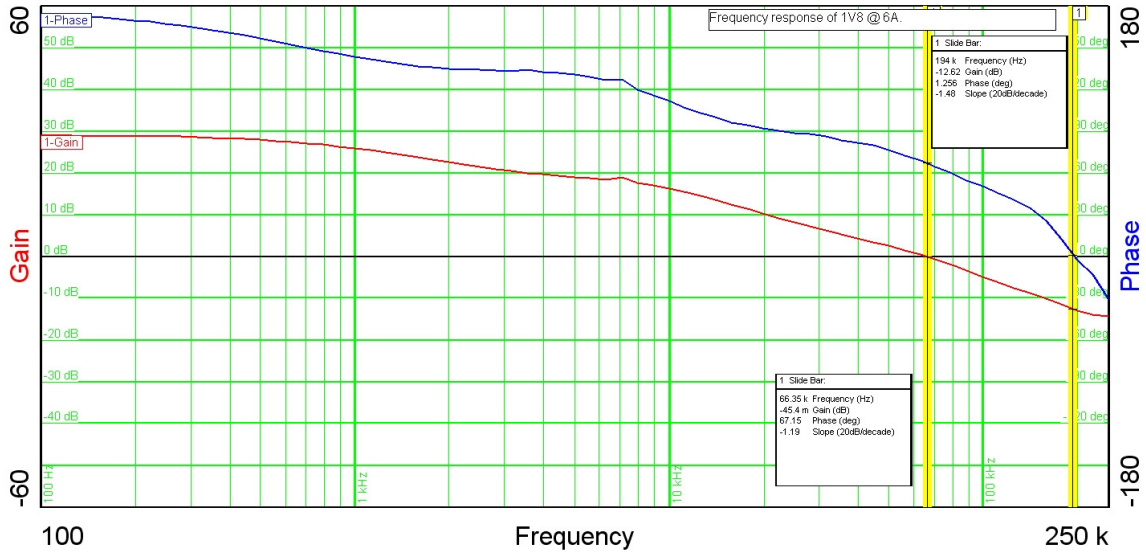
- 1V2



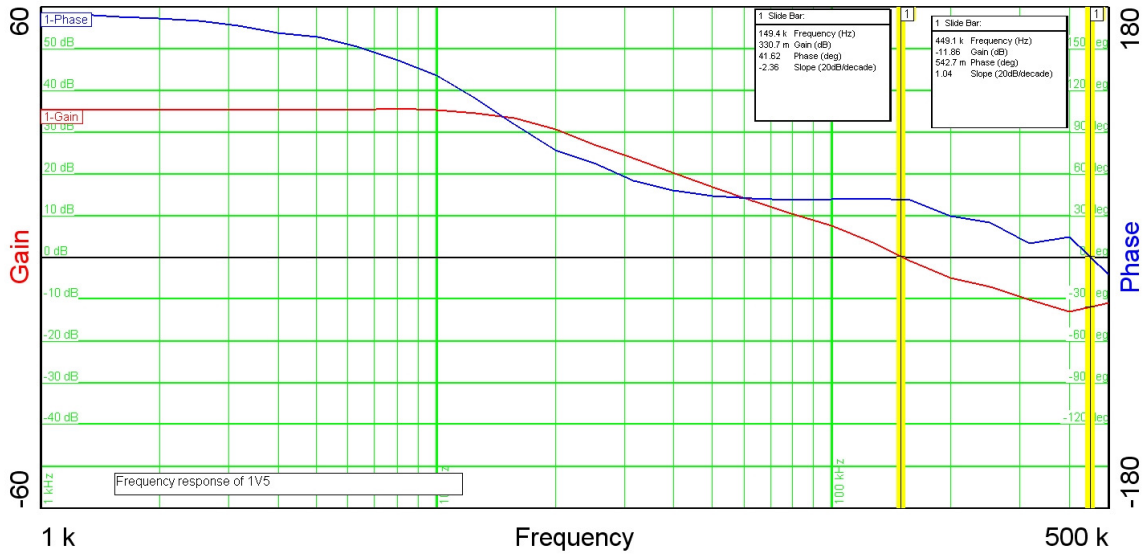
- 2V:



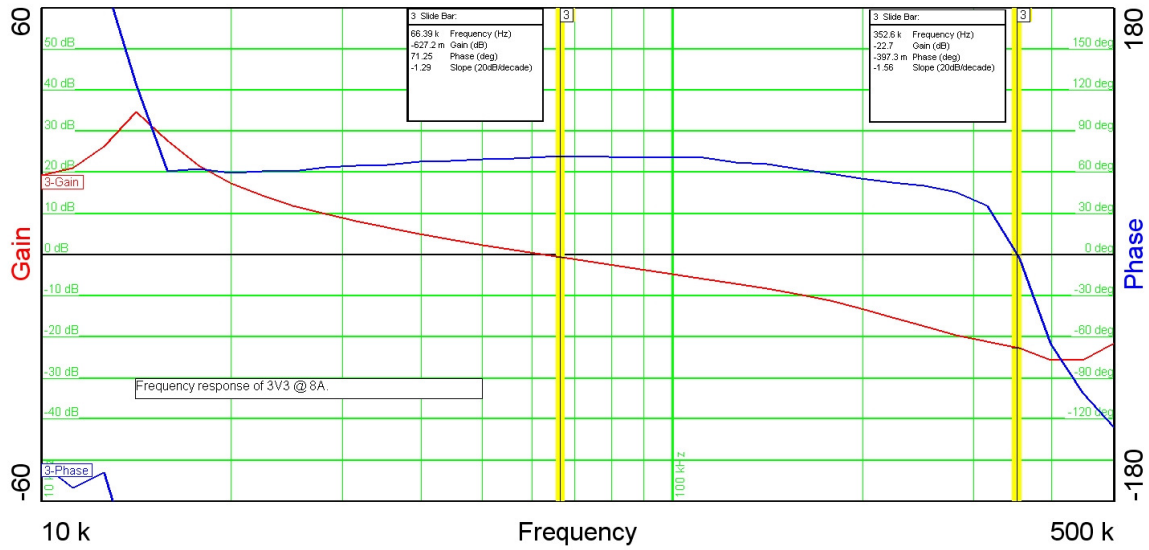
- 1V8:



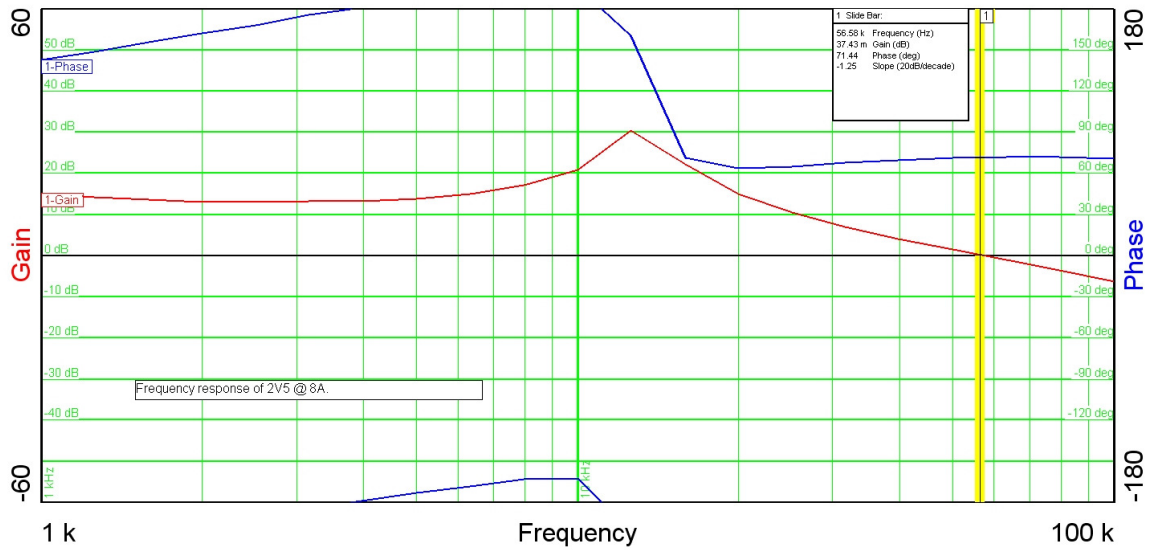
- 1V5:



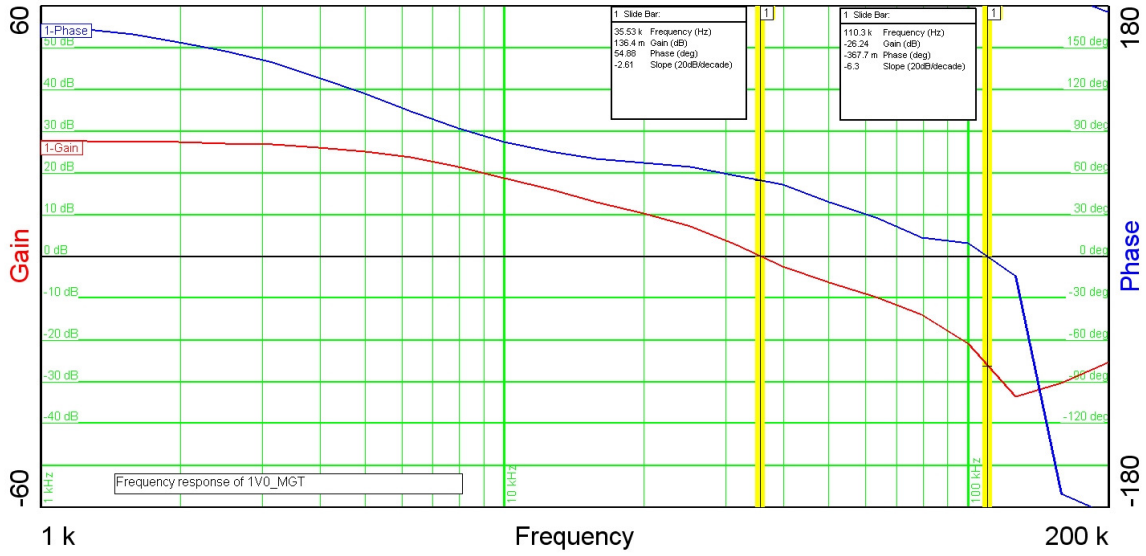
- 3V3:



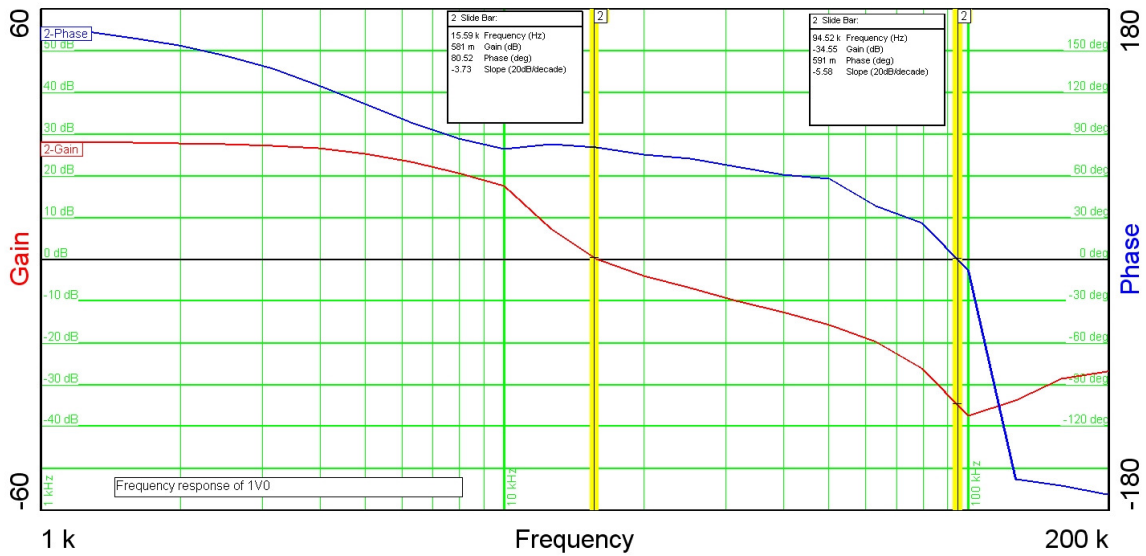
- 2V5: 4A to 8A transient.



- 1V0_MGT



- 1V0



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