

Test Procedure for the FUSB15201DUAL60WGEVB Evaluation Board

Required Equipment:

- Programmed FUSB15201DUAL60WGEVB
- 14V DC power supply to power the FUSB15201DUAL60WGEVB
- Cables with tinned leads to connect DC supply to the FUSB15201DUAL60WGEVB
- FUSB302BGEVB and GUI
- USB Type-C™ to USB Type-C™ cable

1. Connect the tinned cables from the 14V DC power supply to J4 of the FUSB15201DUAL60WGEVB.

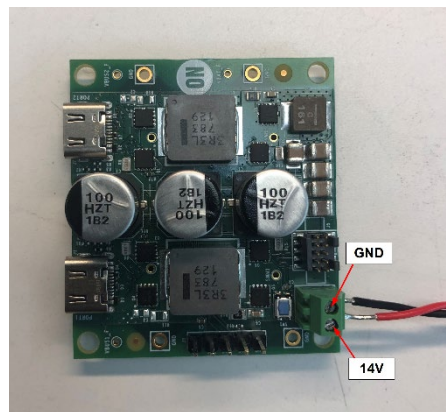


Figure 1 - Power the FUSB15201DUAL60WGEVB

2. Connect the FUSB302BGEVB to a PC using the USB Type-A to USB micro-B cable.



Figure 2 – FUSB302BGEVB connected to PC

3. Start the FUSB302BGEVB GUI on the PC being used.
4. Attach the FUSB302BGEVB to one of the 2 USB Type-C ports on the FUSB15201DUAL60WGEVB using the USB Type-C to Type-C cable as shown.

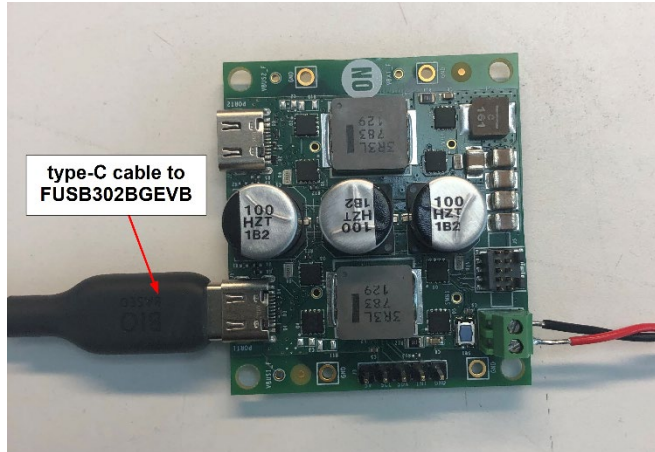


Figure 3 – FUSB302BGEVB attached to FUSB15201DUAL60WGEVB

5. Verify that the PD Control tab of the FUSB302 GUI shows the Current Contract as a Sink and the Capabilities Advertised show 4 FPDOs supporting 60W.

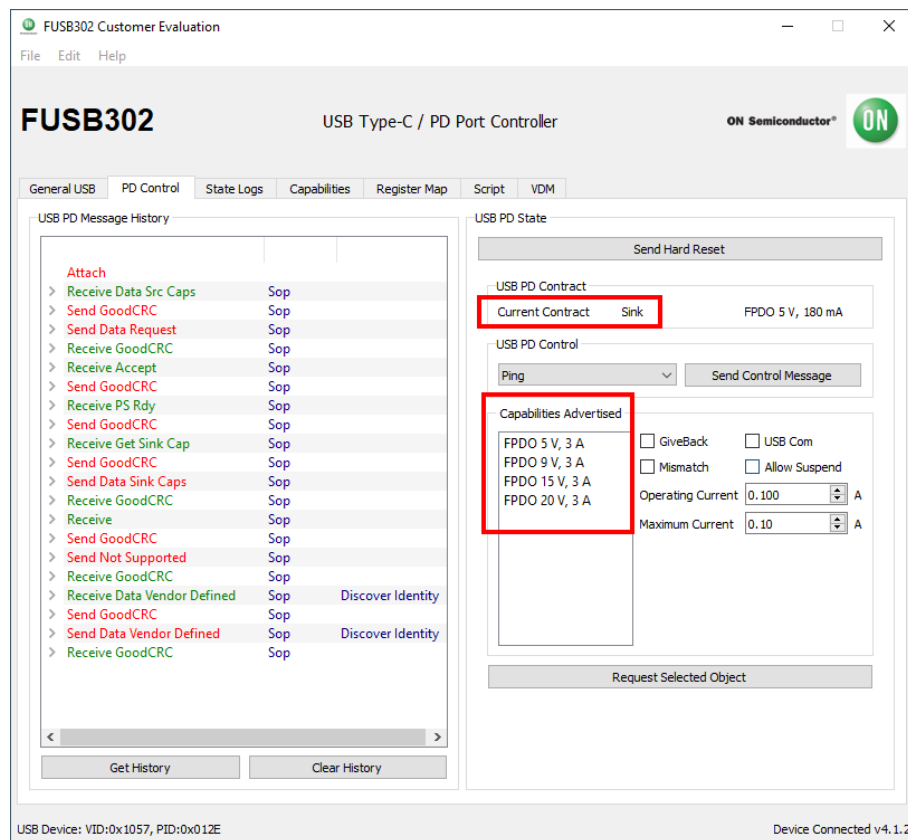


Figure 4 – FPDOs shown on the PD Control tab

- If the Current Contract indicates a Source contract and only a 5V FPDO is listed as shown below, the EVB needs to be flashed with a programming file. Please follow the procedure for flashing the EVB and then follow these steps again.

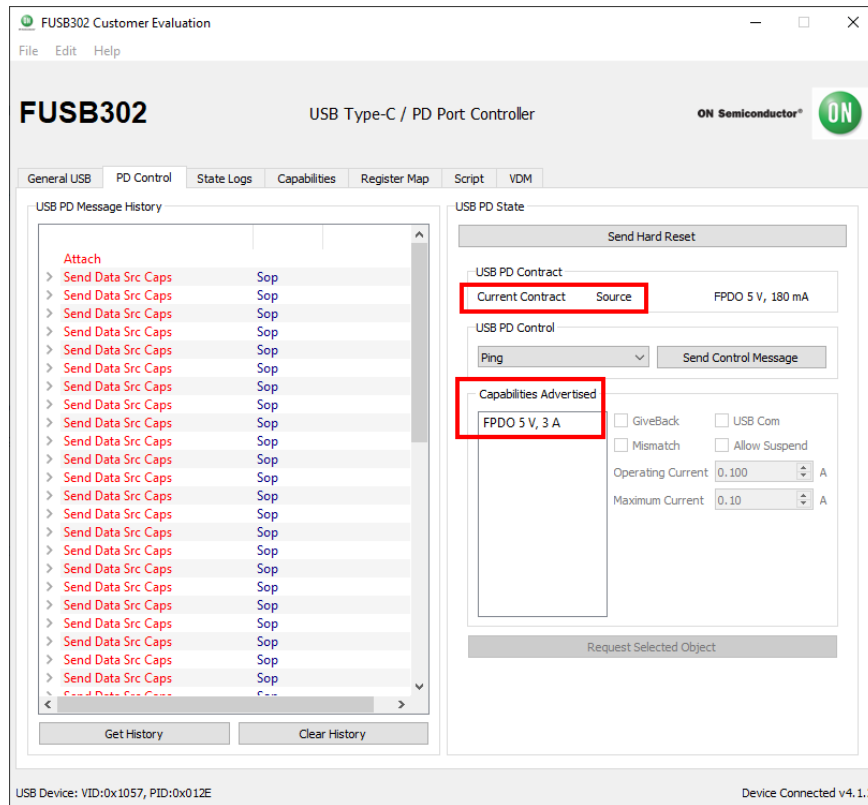


Figure 5 - PD Control tab for a blank device

- If the FPDOs are listed properly, disconnect the Type-C cable from the FUSB15201DUAL60WGEVB port and re-connect to the other port of the FUSB15201DUAL60WGEVB and verify the FPDOs again.
- If the FPDOs are listed properly for the 2nd port, the FUSB15201DUAL60WGEVB is functioning properly and you are finished.

If you encounter any problems, please contact onsemi support for the FUSB15201 product for further help.