Test Procedure for the FUSB301A Evaluation Board

Required Equipment:
- FUSB301A EVB
- USB Type-A to USB micro-B cable
- USB Type-C™ to VGA dongle
- FUSB301 EVB GUI

NOTE: The FUSB301A uses the FUSB301 GUI, there is no FUSB301A GUI.

1. Start the FUSB301 GUI on the PC being used.
2. Connect the FUSB301A EVB to the PC using the USB Type-A to USB micro-B cable.

Figure 1 - EVB connected to PC

3. Make sure the EVB is connected and communicating with the GUI as indicated in the status bar on the bottom of the GUI.
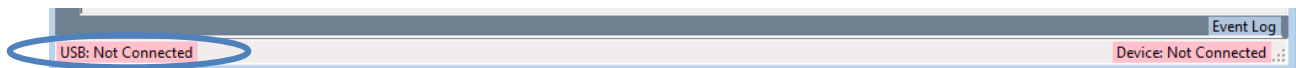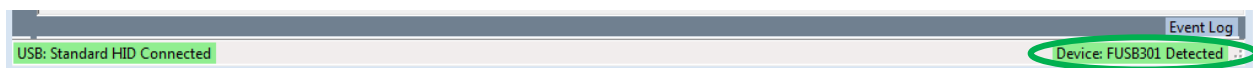

Figure 2 - EVB not attached to PC

Figure 3 - EVB attached to PC and recognized by GUI
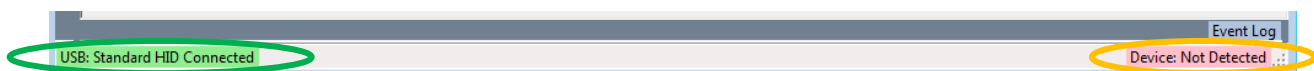

Figure 4 - EVB attached to PC but not recognized by GUI

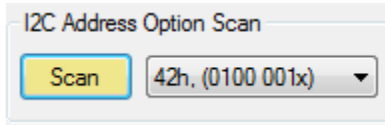If the GUI is not recognizing the EVB, as in Figure 4, then click on the Scan button shown in Figure 5.

Figure 5 – Scan button to change I2C address

4. Test procedure:
   a. Verify that the EVB is attached and communicating with the GUI.
   b. Click the Read General button in the General Control tab to update the Modes (0x02) status.
   c. Click the DRP + ACC mode and then click Write General to update the EVB.
   d. Click the Clear INTMASK button so the EVB will report interrupts.
   e. Connect the VGA dongle to the EVB.
   f. Verify that the EVB shows a connection to a SINK.
   g. Verify that the Cable CC is through either CC1 or CC2.
   h. Disconnect, flip, and re-connect the dongle.
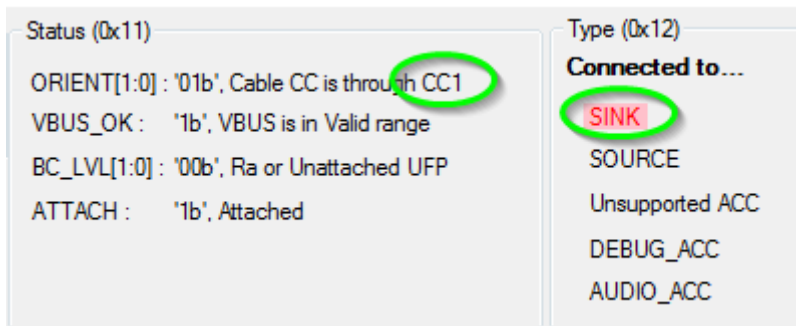   i. Verify that the Cable CC has swapped from the previous CC reported.
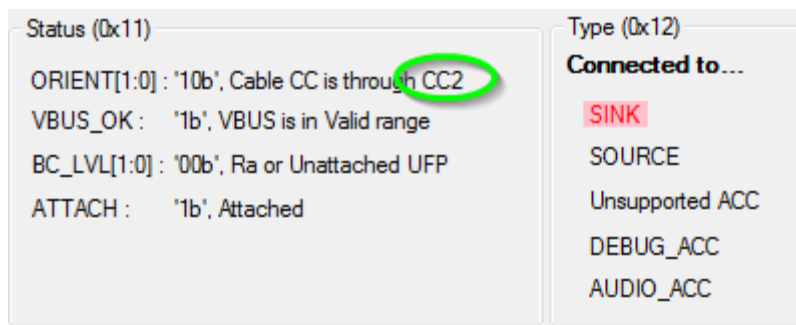

Figure 6 – CC termination after initial attach

Figure 7 - CC termination after flip