

USB 3.0 Electrical Test Fixture Topologies:

For more information please contact your test equipment vendor or see the Electrical Compliance Specification located at: http://www.usb.org/developers/compliance/ssusb_testing/

Receiver Calibration Topologies

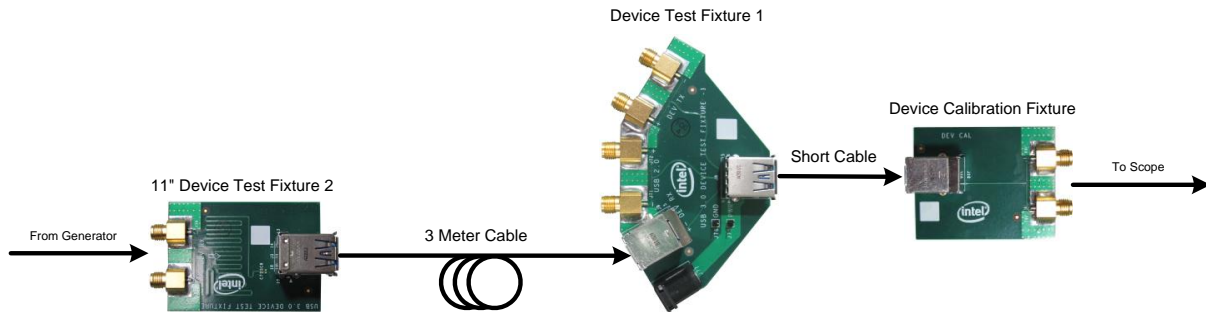


Figure 1: Device Rx Calibration Topology

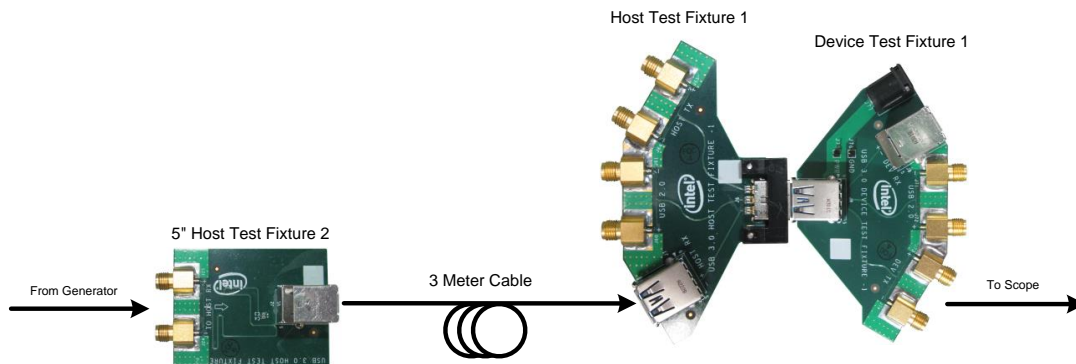


Figure 2: Host Rx Calibration Topology

Receiver Test Topologies*

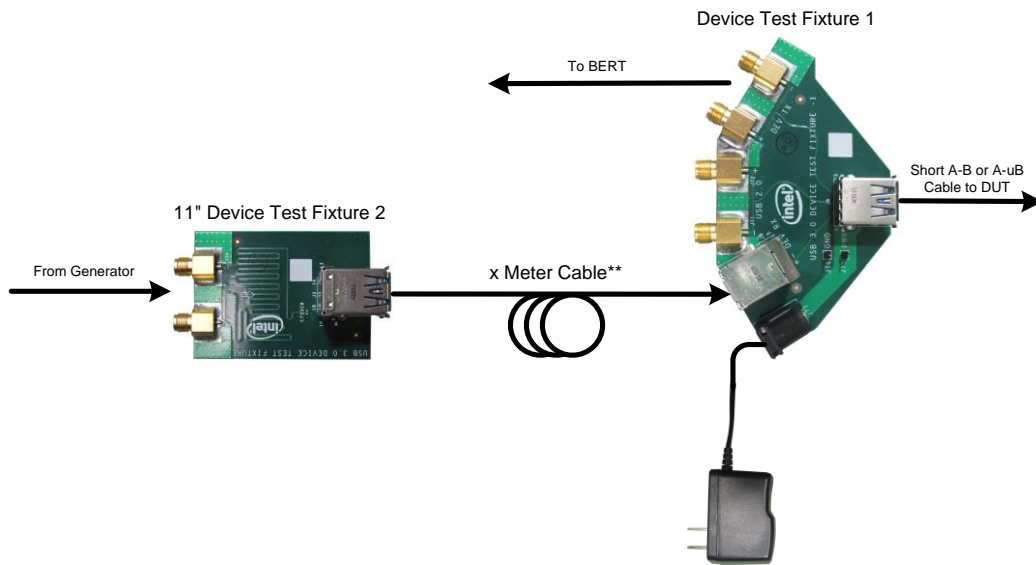


Figure 3: Device Rx Test Topology

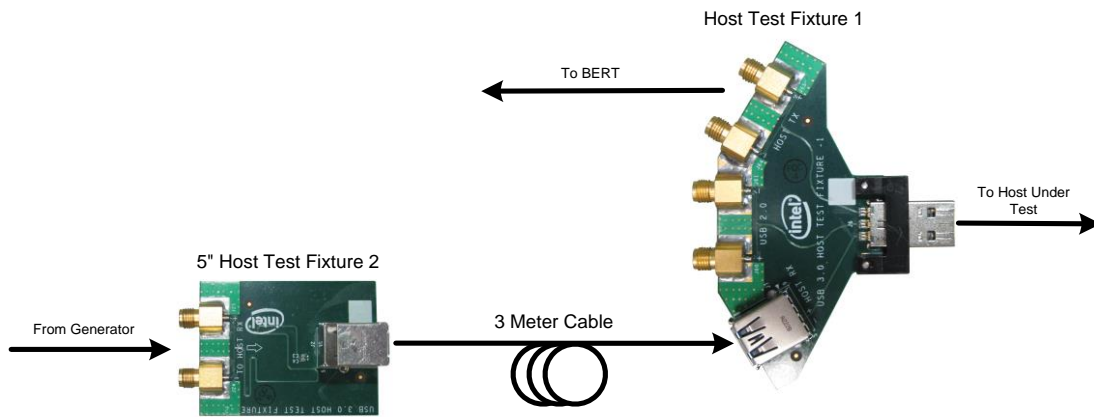


Figure 4: Host Rx Test Topology

- * Short Channel Test Setup not shown
- ** 3 Meter cable required for Standard B type Device
1 Meter cable required for Micro B type Device
Short cable required for Tethered Cable or Dongle type Device

Transmitter Test Topologies

Note: Transmitter testing requires software-based channel emulation*

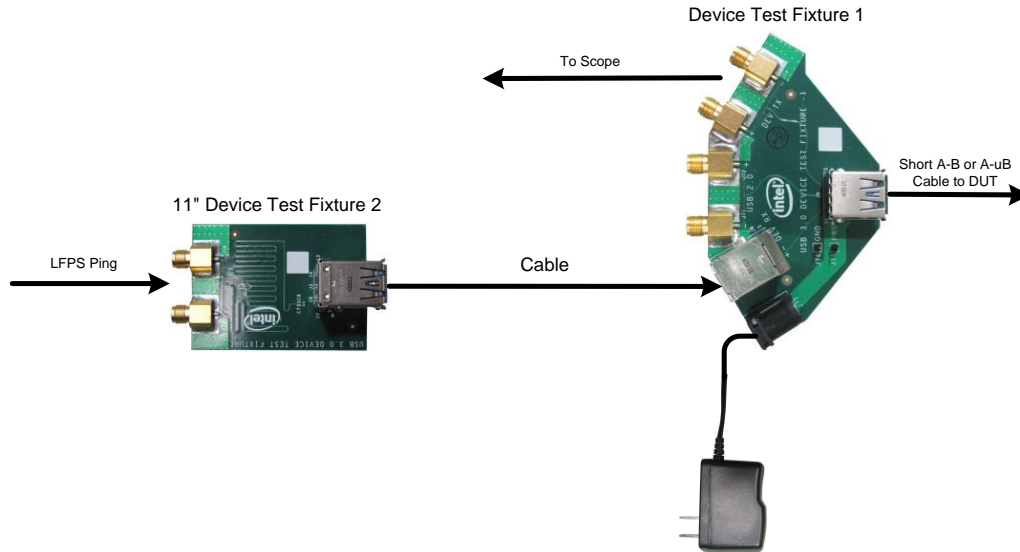


Figure 5: Device Tx Test Topology

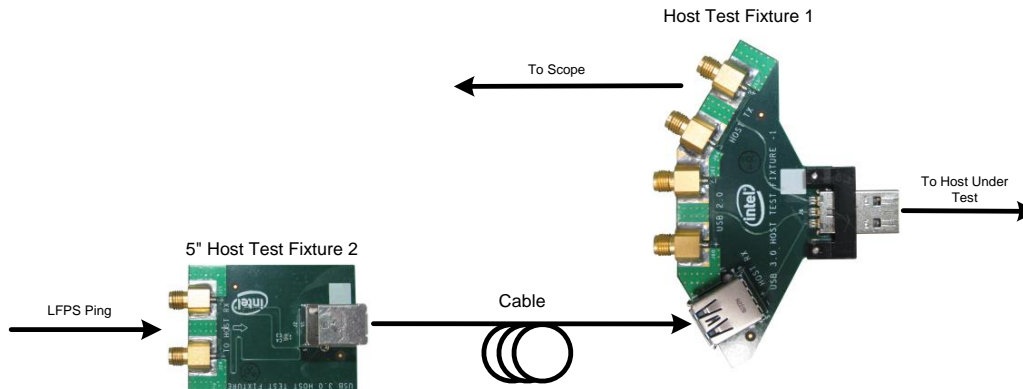


Figure 6: Host Tx Test Topology

- * 11" + 3 meter channel s-parameter file required for Standard B type Device
- 11" + 1 meter channel s-parameter file required for Micro B type Device
- 11" channel s-parameter file required for Dongle type Device
- 5" + 3 meter channel s-parameter file required for Host
- Channel emulation must be turned off for short channel test