


How to Do an HDR OTDR Test

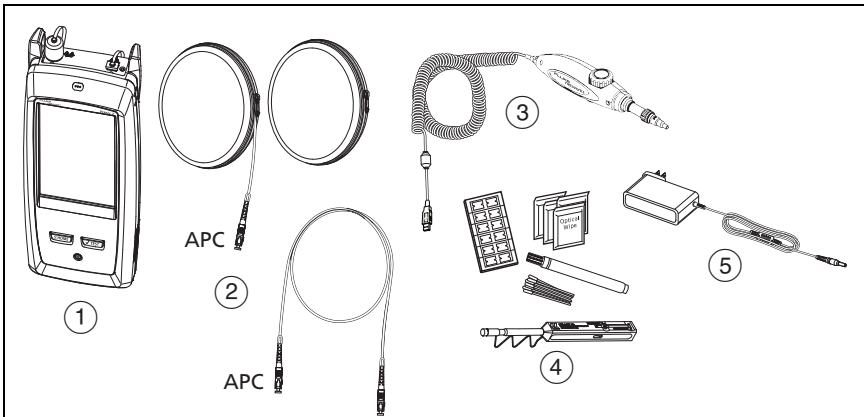
Figure 5 shows the equipment for HDR OTDR tests.

- 1 Make sure that the home screen shows the correct settings for the job.
- 2 Set up the launch compensation function if necessary.
- 3 Clean and inspect the connectors on the launch and tail cords and the fiber to be tested.
- 4 Connect the tester to the link as shown in the Figures:
 - Figure 6 shows the connections for **PON OTDR** tests on OSP links where you typically do not use launch or tail cords.
 - Figure 7 shows connections that include launch and tail cords.
 - Figure 8 shows connections to do a test on a complete, as-built PON network.
- 5 Tap **TEST** or press .

Notes

If the tester does not find the end of the fiber, connect an APC/UPC tail cord or a patch cord to the APC connector to cause a large reflection at the end of the fiber.

The tester shows a warning if there is an optical signal on the fiber.



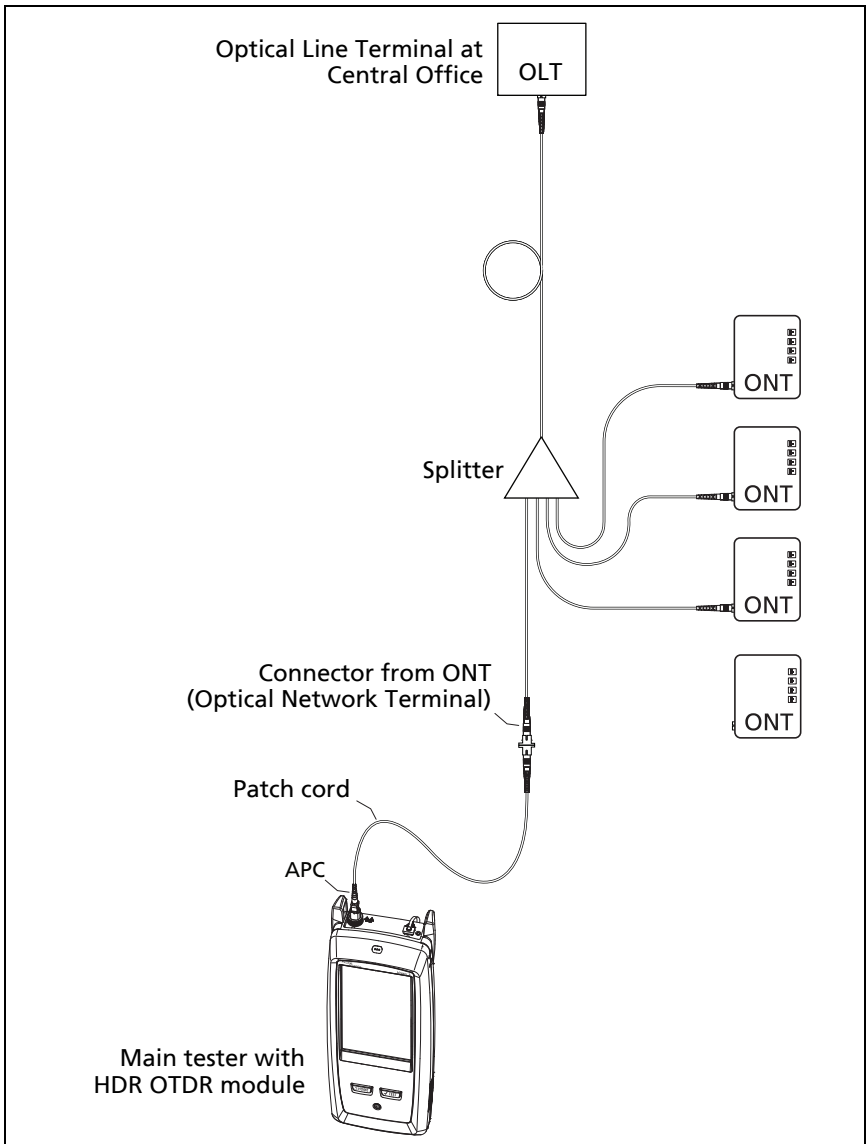
GPU211.EPS

- ① Main tester with HDR OTDR module installed
- ② Launch and tail cords. (optional for PON tests) or a patch cord. Match the fiber to be tested. Cords must have an APC connector at one end for the HDR OTDR port.
- ③ FI-1000 video probe with USB connector
- ④ Fiber cleaning supplies
- ⑤ AC adapter with line cord (optional)

⚠ Caution

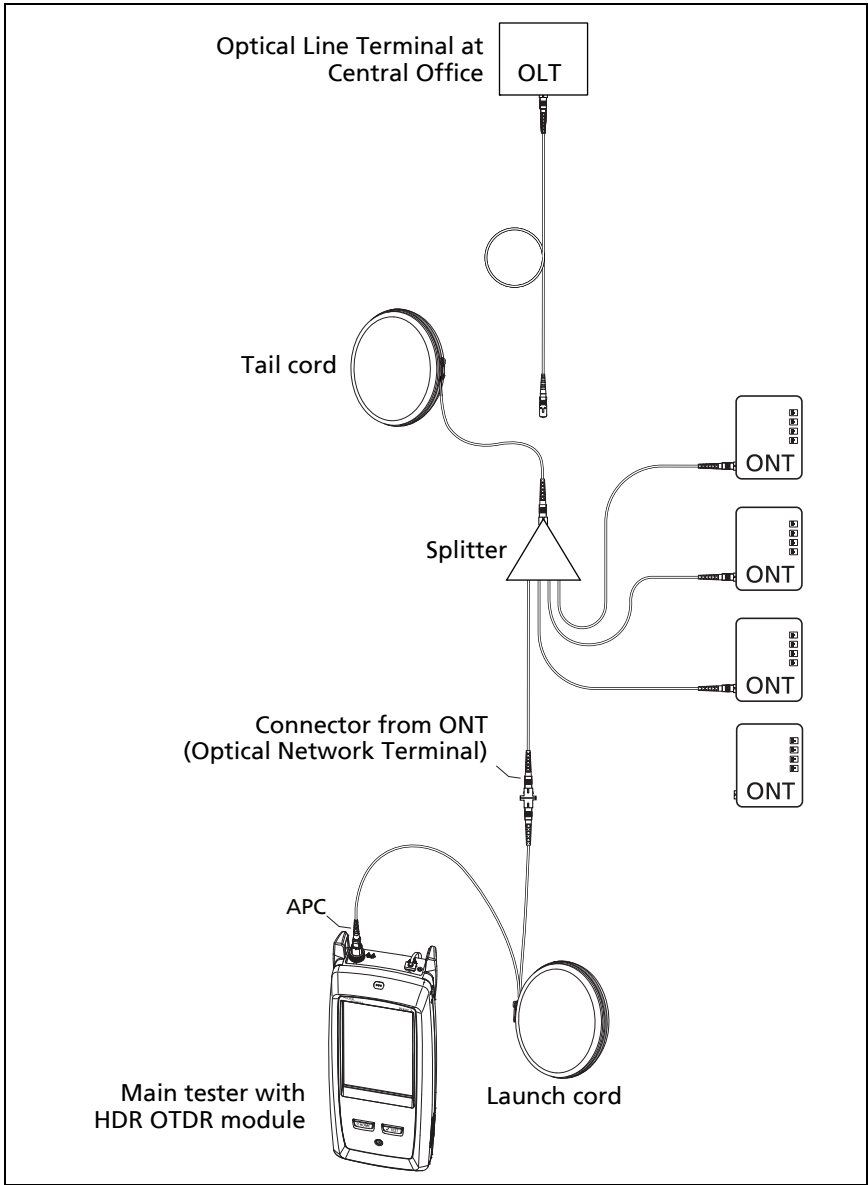
Do not connect PC or UPC connectors to the HDR OTDR port. Doing so can damage the port's APC endface, and the large reflection at the OTDR port can cause unreliable test results.

Figure 5. Equipment for HDR OTDR Tests



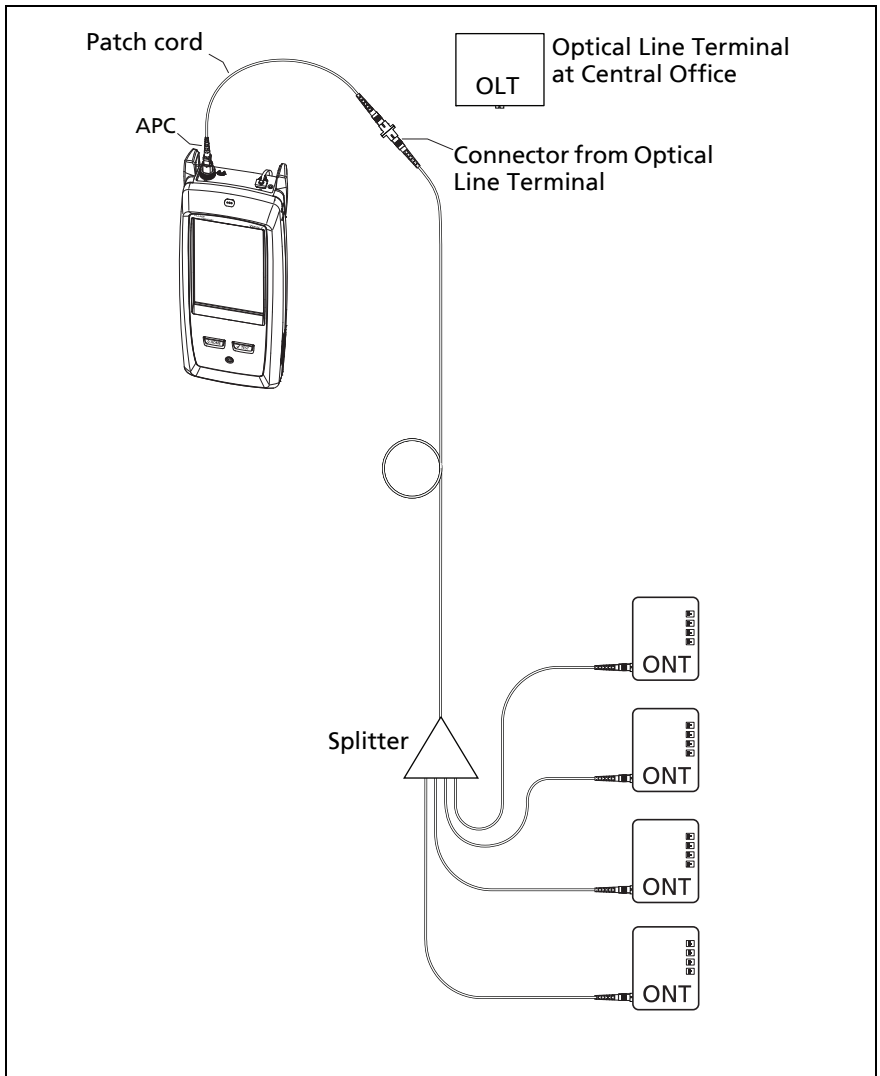
GPU213.EPS

Figure 6. Typical Connections to an Out-of-Service PON Link



GPU214.EPS

Figure 7. HDR OTDR Connected with Launch and Tail Cords



GPU234.EPS

Figure 8. Typical Connections to Characterize As-Built PON Links