

Installation Testing With the Fluke DTX-1800 Series Cable Tester (for the DPoE™ 1GIG™ Power Patch Panels)

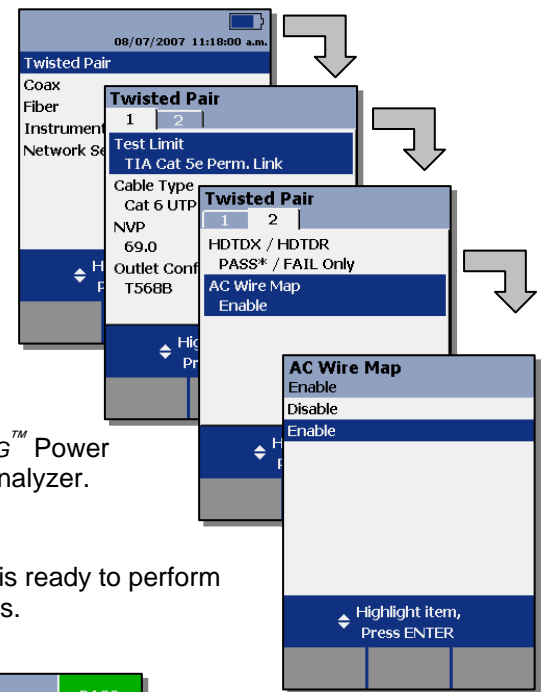
Unlike traditional DC testing methods, testing capabilities are being introduced that utilize AC signals to perform Wire Map measurements that are not blocked by Power over Ethernet. This technique provides visibility of each wire in the cable to ensure that the wire pairs are correctly connected and that power will be properly supplied to powered devices.

Key Points:

- 1.) Fluke has updated the firmware in their DTX-1800 series cable tester to support the DPoE™ 1GIG™ Power Patch Panels. The new DTX V1.41 firmware (most recent to date as of this reference) is available on the Fluke website at: <http://www.flukenetworks.com/fnet/en-us/products/DTX+CableAnalyzer+Series/Downloads/>
- 2.) The new firmware supports AC Wire Map.

Operation:

- 1.) **NOTE:** the DPoE™ 1GIG™ Power Patch Panel should **NOT** be powered during testing. With the V1.41 firmware installed, go to **SETUP** >> highlight **Twisted Pair**, hit **Enter** >> on following screen, hit the right arrow to go to tab 2>> highlight **AC Wire Map**, hit **Enter** >> highlight **Enable**, hit **Enter** (see step 1 illustrations).
- 2.) The selected test can now be run.



Operation Step 1

Analysis:

- 1.) Cat5e channel and permanent link testing for the DPoE™ 1GIG™ Power Patch Panel can be done with the Fluke DTX-1800 series cable analyzer.

Output:

Once the configuration settings are set, the DTX-1800 series cable tester is ready to perform any necessary testing. Following are two examples of expected test results.

