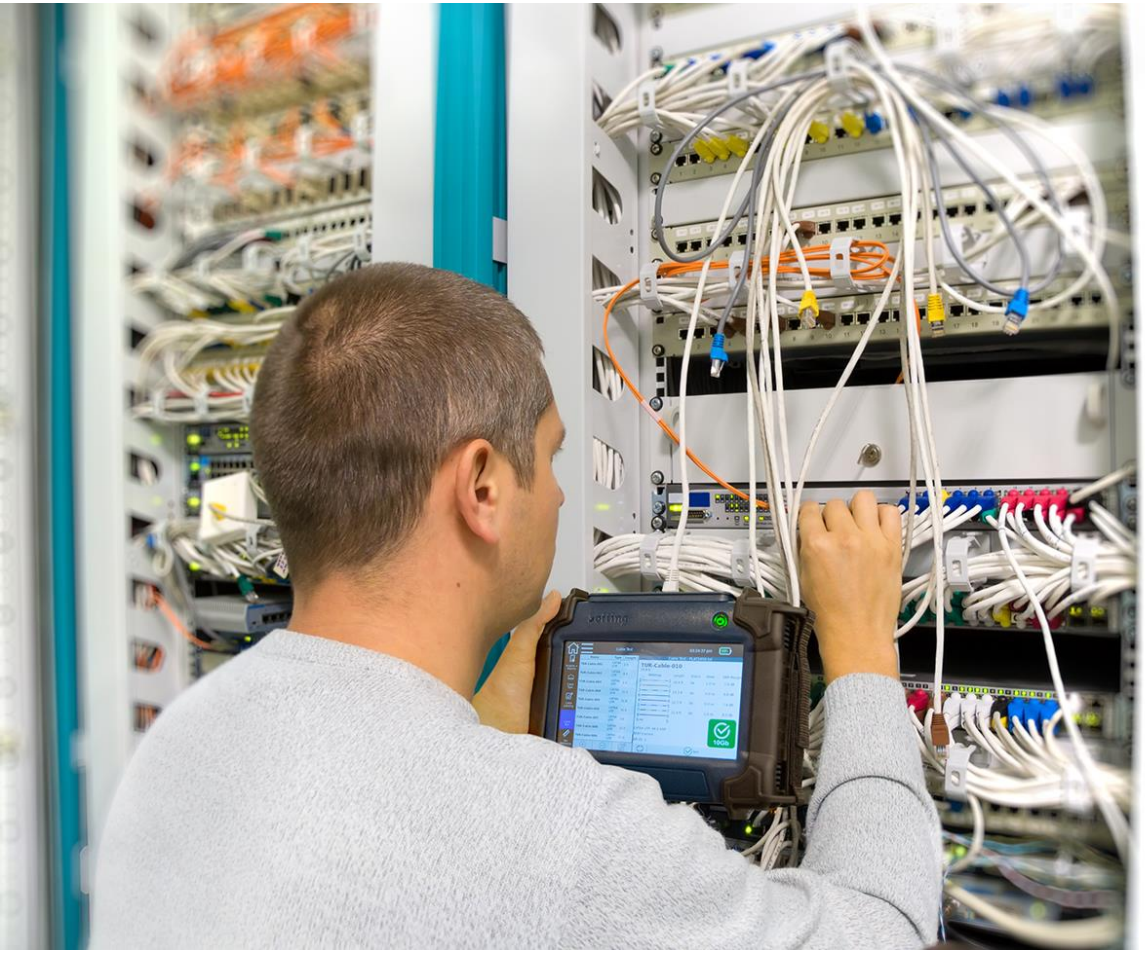
nsi INDUSTRIES

NetXpert XG2 10G Tester

NETXPERT XG2

nsi PLATINUM TOOLS® BRIDGEPORT POLARIS TORK

Multi-gig Ethernet is Here



Demand for bandwidth keeps increasing, and networks will have to operate at ever higher speeds in order to keep up. Clients want to know that systems they are having installed today can support these higher speeds. There are also thousands of miles of previously installed cable that MAY work at higher speeds, but must be tested to make sure there are no bottlenecks.

One Tester for All the Tests

MADE IN USA

The NetXpert XG2 offers:

- **Speed certification of copper and fiber systems to 1/2.5/5/10Gb/s**
- **Complete active network testing over copper, fiber, and Wi-Fi**
- **Cable qualification to IEEE standards**
- **TDR & fiber cable length measurement**
- **PoE testing up to 90W (PoE++)**
- **Test reports in PDF, CSV and XML formats**

Designed for Everyday Use in the Field

Full color 7” touchscreen is easy to read in all lighting conditions

Convenient form factor with safety hand straps and built-in kickstand

Rechargeable lithium/ion battery pack with optional high-energy upgrade available

Easy software updates over Wi-Fi or cable for future feature expansion

Unit is lightweight and easy to carry at just over 2 ½ lbs and features a rubber-armored case

MADE IN USA

Multiple Connection Options

NETXPERT XG2

MADE IN USA

XG2 interface options include a field-replaceable RJ45 port, dual SFP+ ports, and a USB A port for easy use of thumb drives for report storage and transfer or even specialty networking dongles.

One Kit or Two

One kit to do copper speed testing

Two kits at a great price for fiber

- **Few options and no licenses to buy – XG2 tests at 10Gb speed out of the case**
- **Kit includes an active remote, dual chargers and shielded patch cables**
- **Fiber kit is two complete cases as shown – save 30% off the reg. price**

NETXPERT XG2

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Copper Cable Testing

NetXpert XG2 Copper Cable Testing

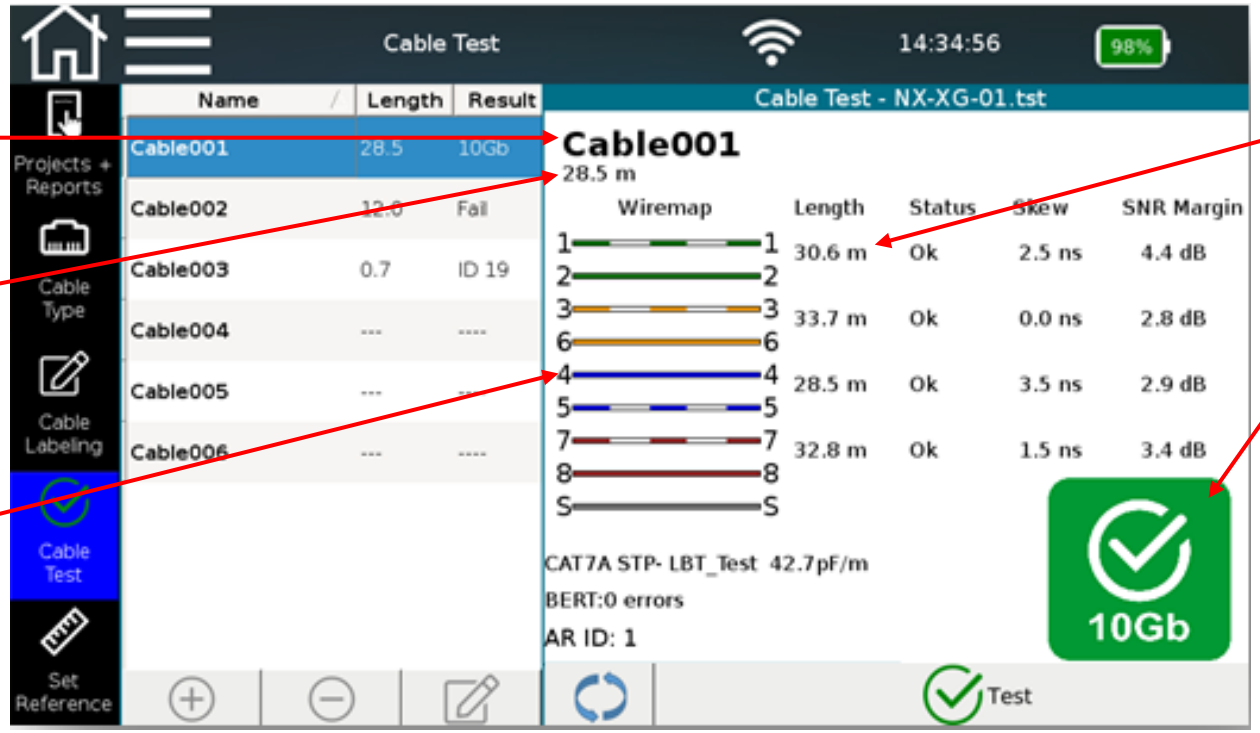
Ethernet speed certification to 1/2.5/5/10Gb

IEEE cable qualification to 1/2.5/5/10Gb

Custom cable labels

TDR cable length measurement

TIA 568A/B wiremap testing

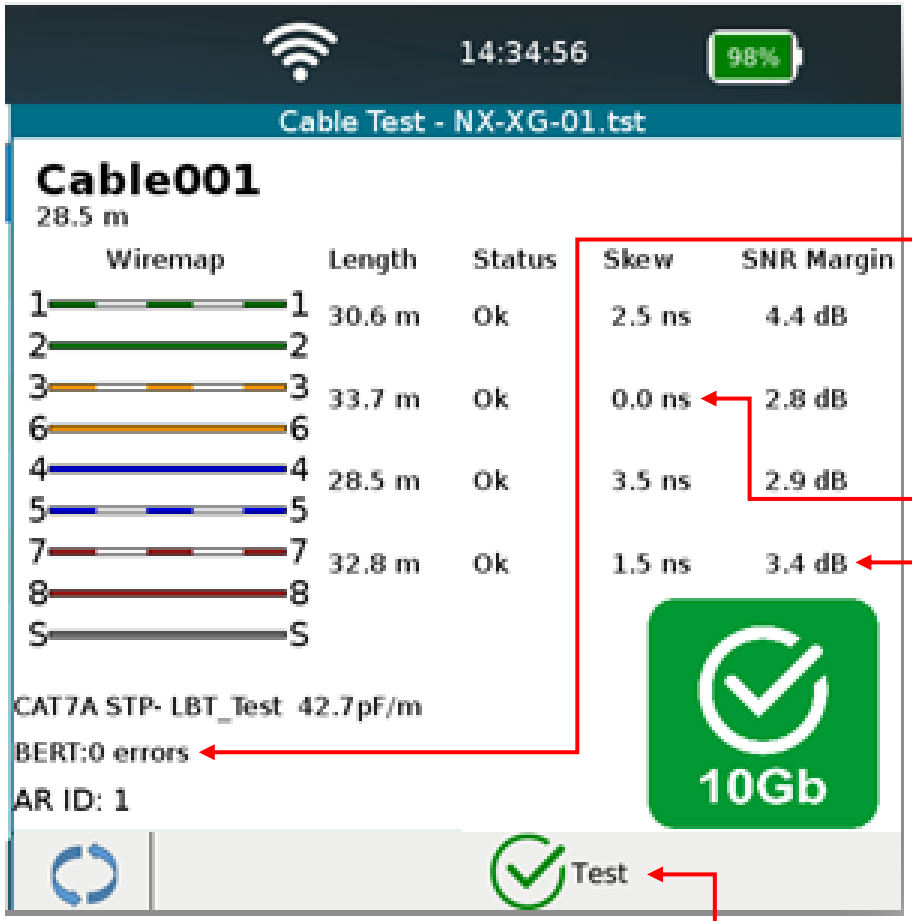


Distance to opens or shorts

Easy to understand pass/fail test results

Tone generation built in for cable tracing

NetXpert XG2 Copper Cable Testing



Ethernet speed certification is done through three separate processes

Bit Error Rate Test (BERT) pushes actual ethernet data packets over the cable to test for transmission speed and error rate

Skew compares propagation delay between the pairs – under 25ns is optimal

Signal-to-Noise Ratio (SNR) Margin displays the cable's ability to handle additional noise without generating a high bit error rate

One click starts all 3 tests

NetXpert XG2 Copper Cable Testing

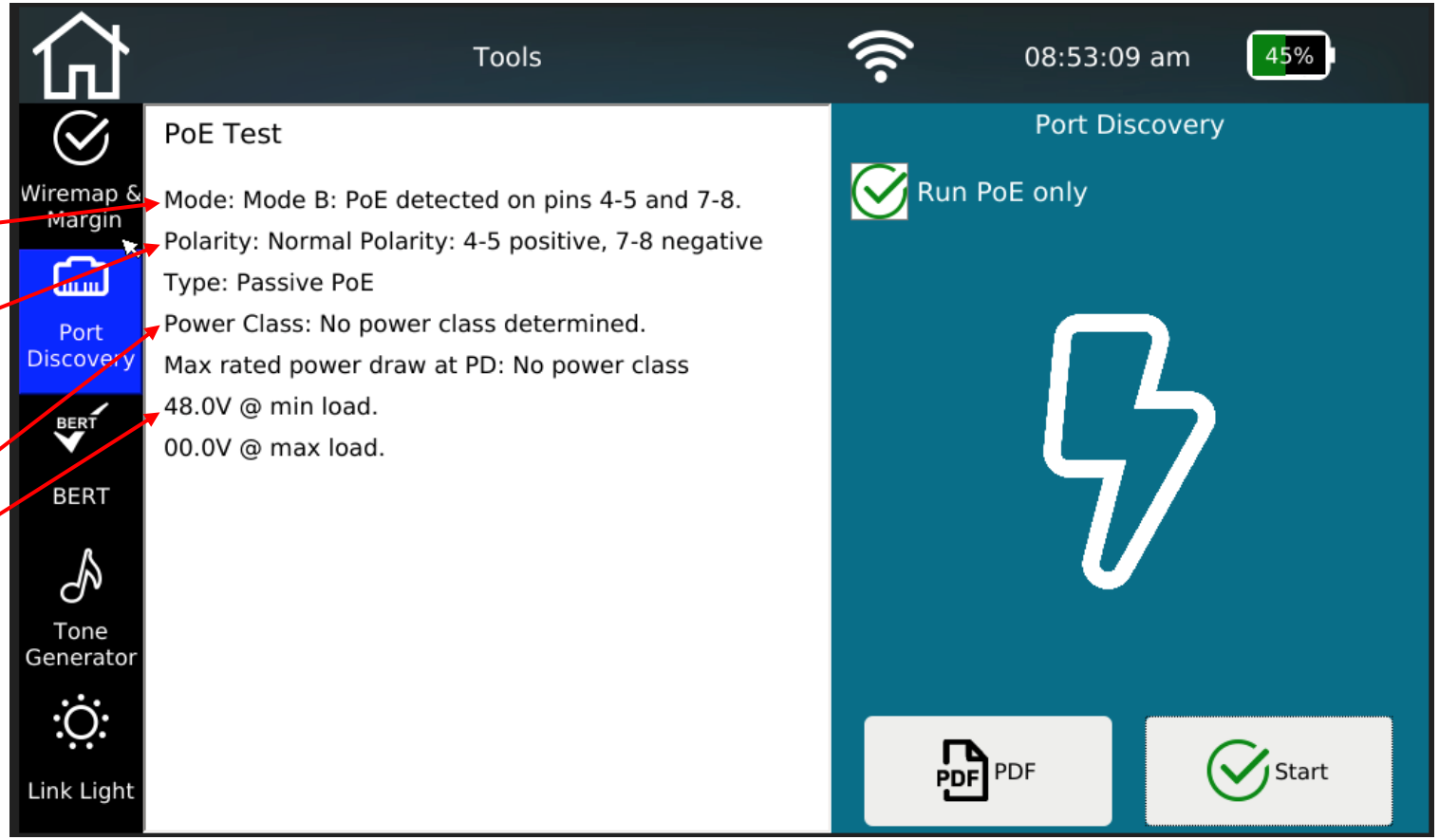
PoE Testing

Displays mode and cable pairs in use for PoE

Clearly displays polarity

PSE and PD class detection

Sustained load testing to determine PSE limits



Fiber Optic Cable Testing

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NetXpert XG2 Fiber Optic Cable Testing

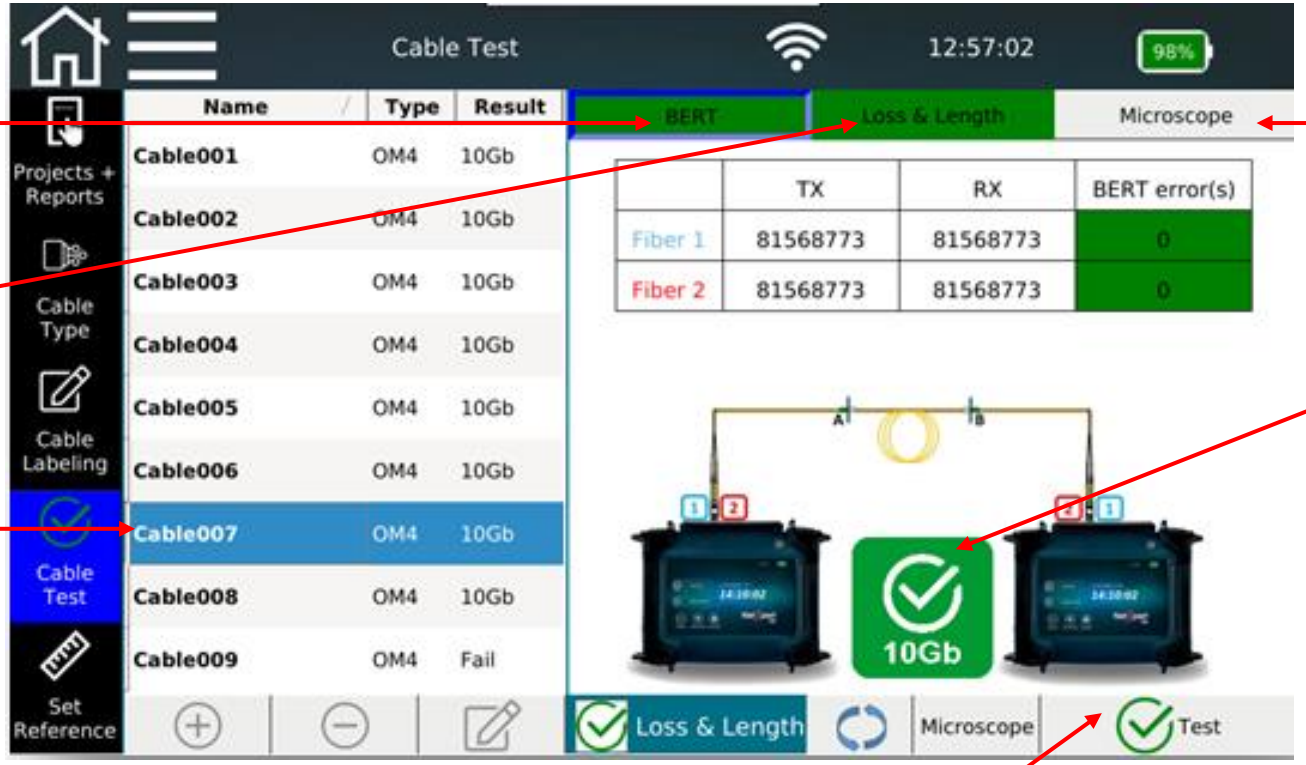
Ethernet speed certification to 1/2.5/5/10Gb

Cable qualification to 1/2.5/5/10Gb

Bit Error Rate Test

Loss and length measurement

Custom cable labels



Optional microscope image testing *(planned future feature)*

Easy to understand pass/fail test results

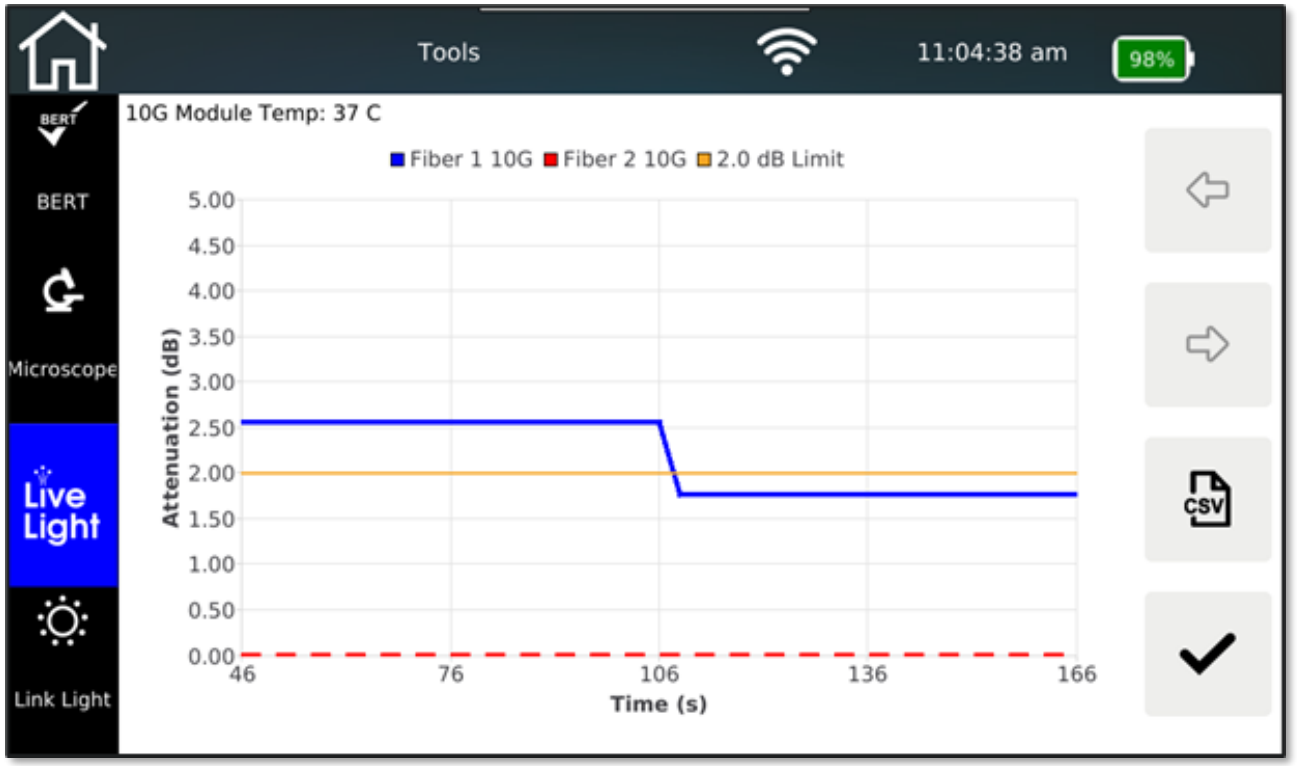
Fiber testing requires two XG2 units

One click starts testing

NetXpert XG2 Fiber Optic Cable Testing

Exclusive “LiveLight” Real Time Attenuation Testing

Graph displays optical signal attenuation in real time as a fiber cable is installed, allowing performance degrading bends and twists to be eliminated



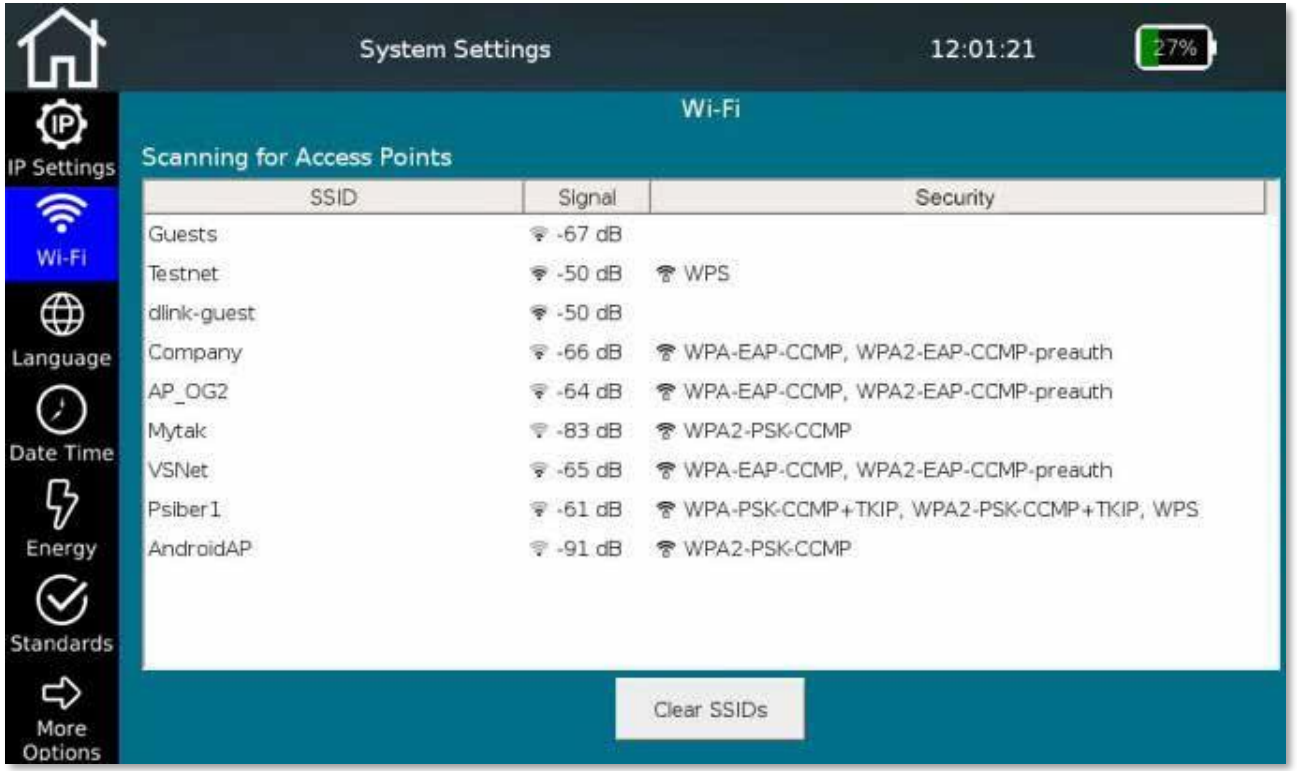
LiveLight testing requires the XG2 Fiber Optic Kit

Wi-Fi Testing

NetXpert XG2 Wi-Fi Testing

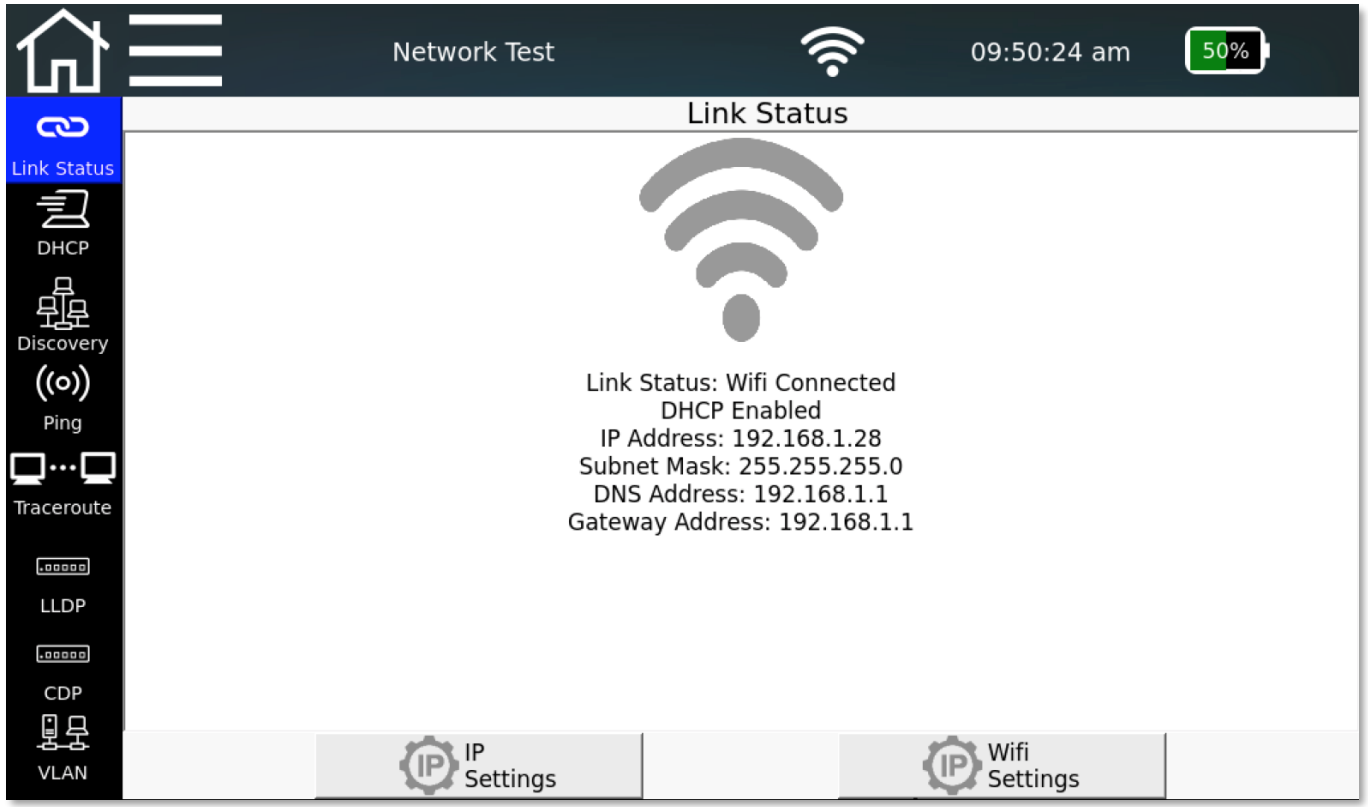
Comprehensive Overview of All Access Points

Wi-Fi menu displays actual signal attenuation to all access points in range to aid in deployment and ensure acceptable signal coverage



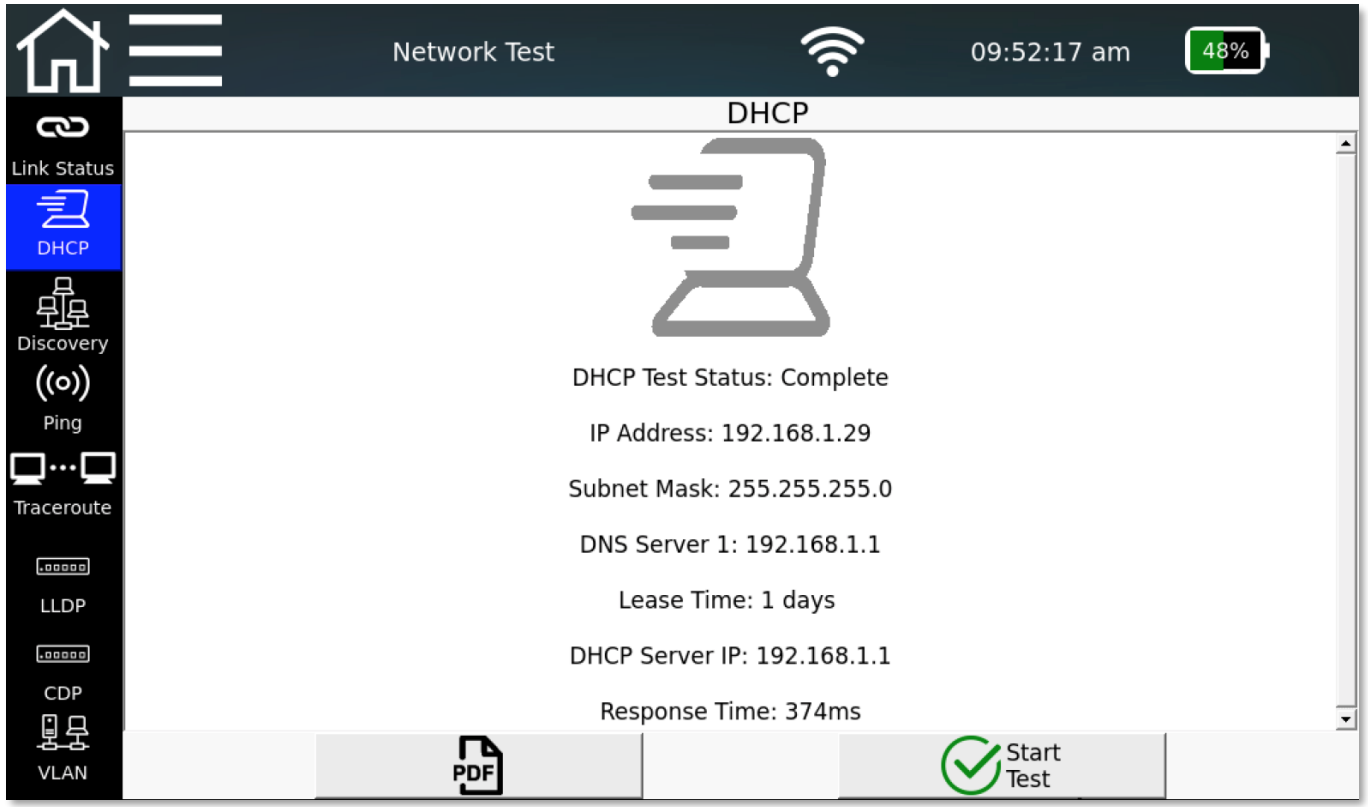
Active Network Testing

Active Network – Link Status



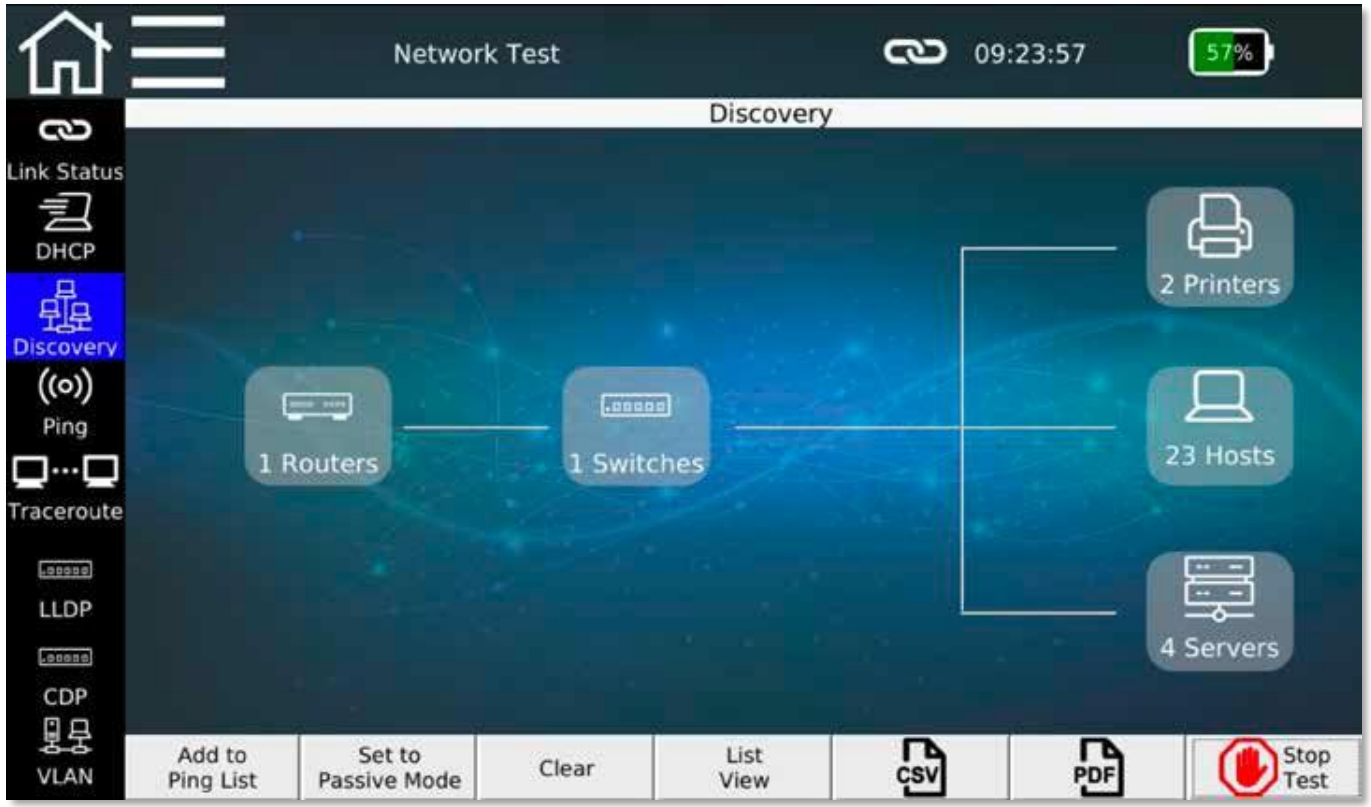
Displays port services being provided by an active switch, router or NIC on the chosen connection – copper, fiber or Wi-Fi.

Active Network – DHCP



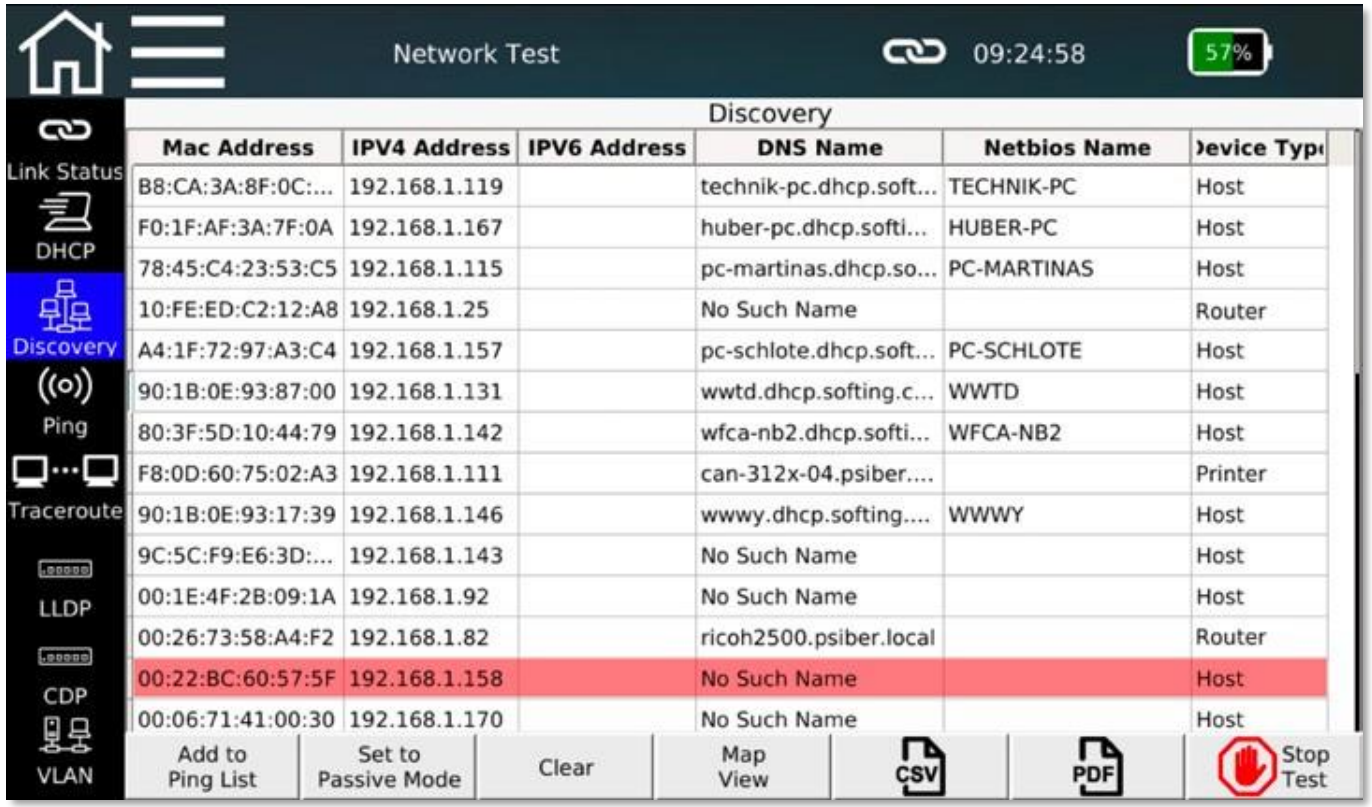
Verifies that DHCP is enabled and displays IP addresses for the server, gateway, Submask, DNS server and router.

Network Discovery Map



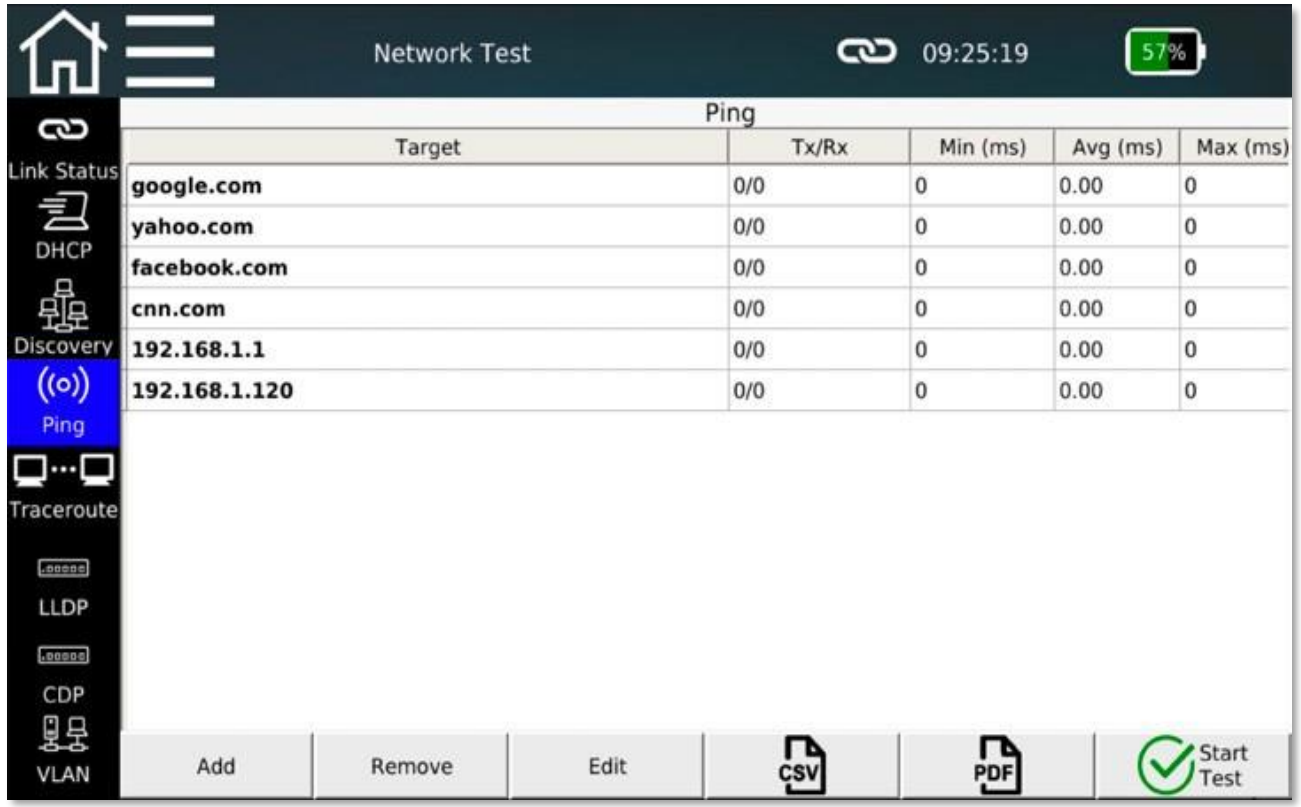
The Network Discovery Map provides a powerful overview of the entire submask and can also display the IP addresses of each attached device.

Network Discovery Map



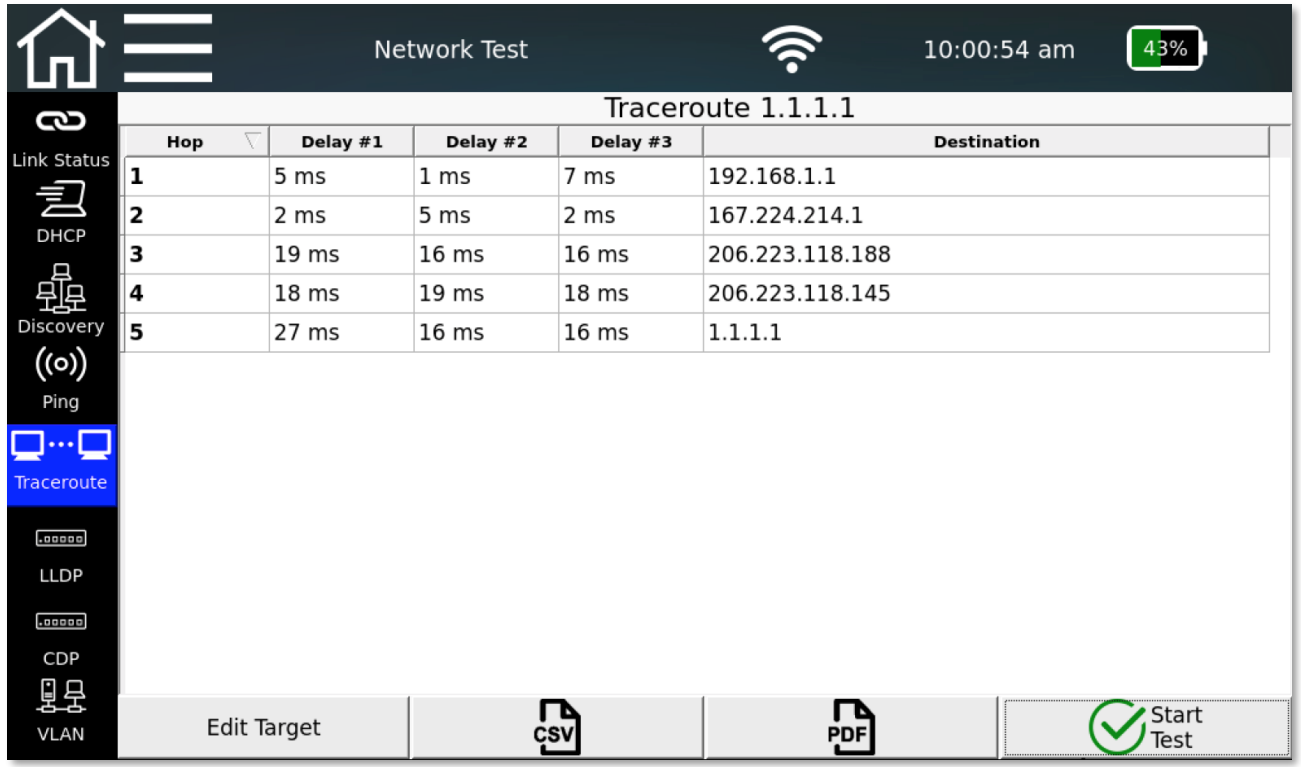
List View provides details about each connected device, and allows any listing to be added to a Ping List for later ping testing to verify connectivity.

Active Network – Ping Testing



Run ping tests at up to 10Gb speed to verify connectivity to IP Hosts or any URL – runs up to 8 tests simultaneously.

Active Network – Traceroute



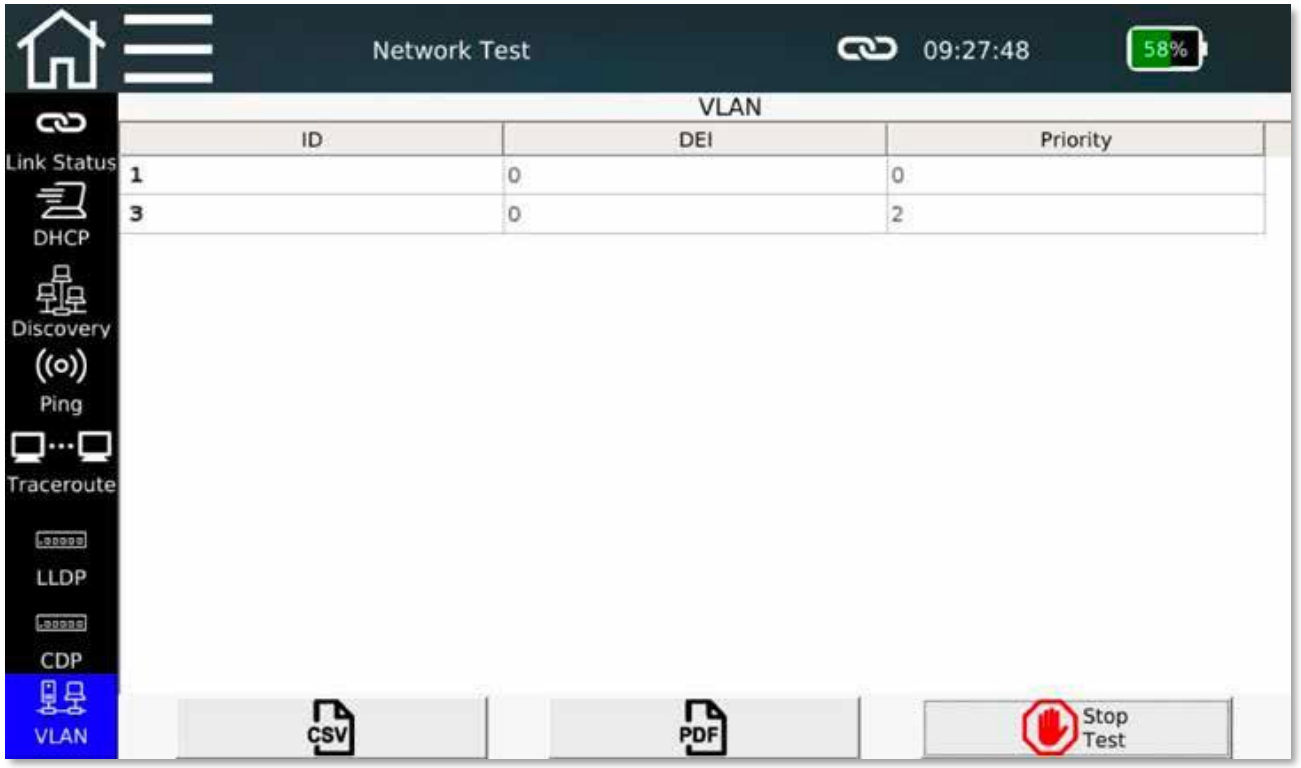
The Traceroute function displays the path internet packets travelled to reach a specified destination.

This information can be helpful in tracking down where connection problems or slowdowns are occurring.

Active Network – LLDP/CDP Detection

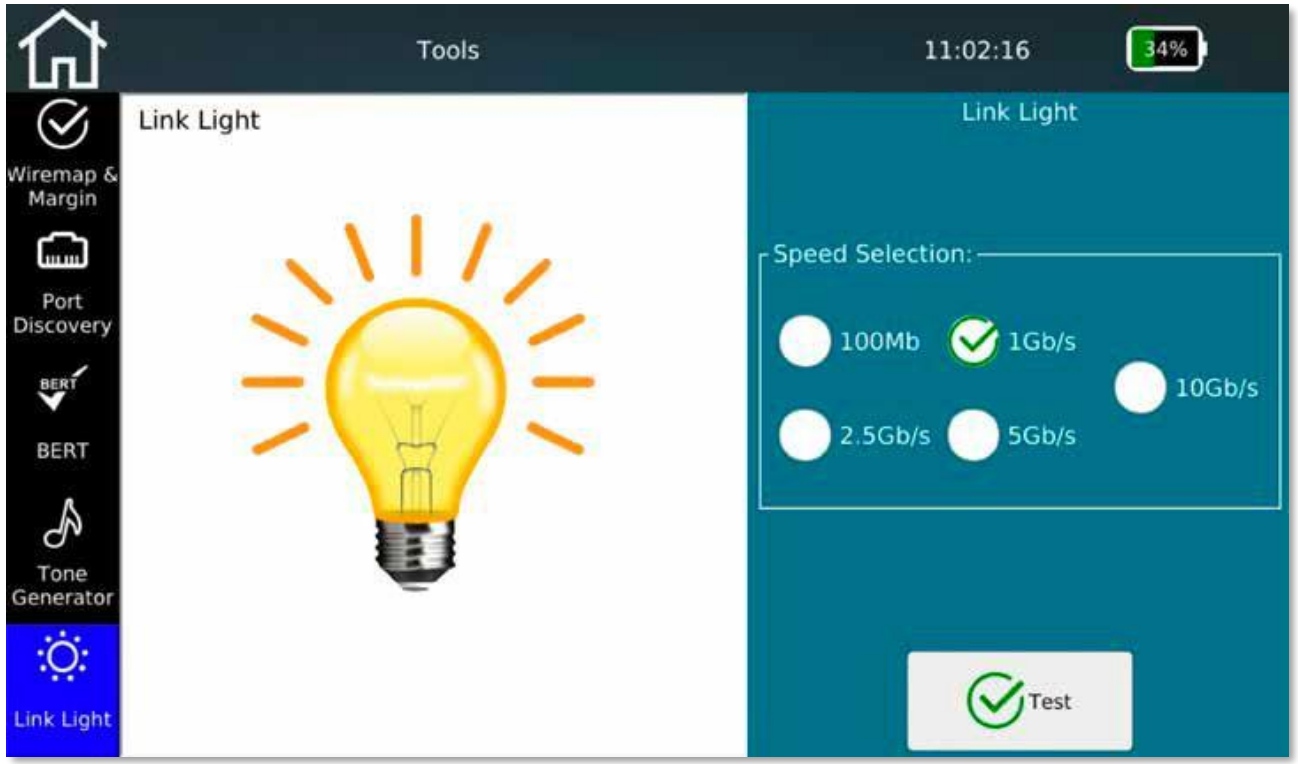
Detects Cisco Discovery Protocol (CDP) or Link Layer Discovery Protocol (LLDP) and displays information broadcast by the switch.

Active Network – VLAN Discovery



VLAN discovery displays VLAN ID, Drop Eligible Indicator and Priority settings.

Active Network – Link Light

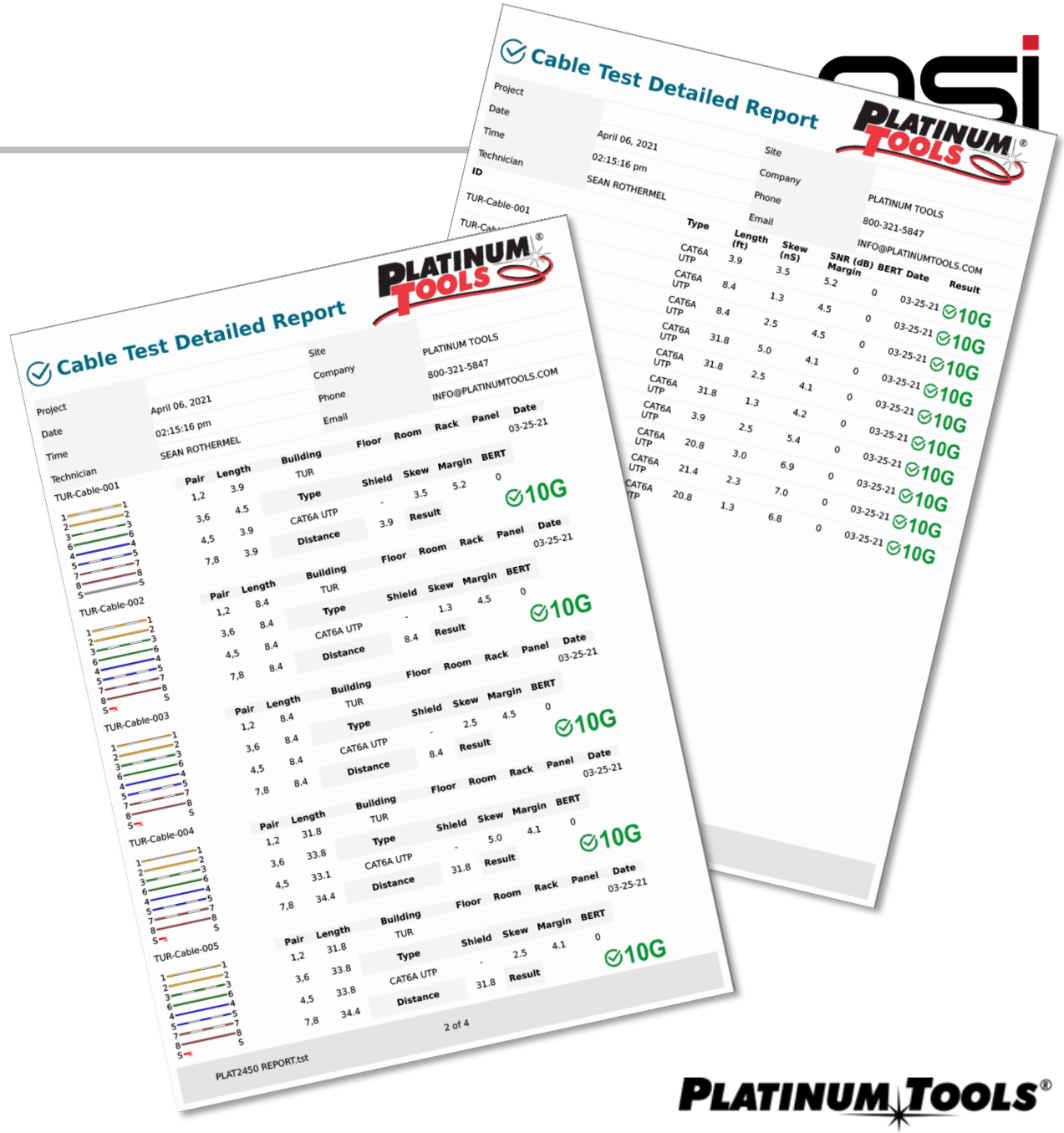


Accessed from the Tools menu, the Link Light function causes the link light on the switch to blink for easy port ID.

Reporting

NetXpert XG2 Reports

- Export complete reports in PDF, CSV or XML format
- Import your company logo and input contact information
- Custom-naming of each cable tested and detailed location info
- Easy export to computer for further formatting or emailing



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Thank You!

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