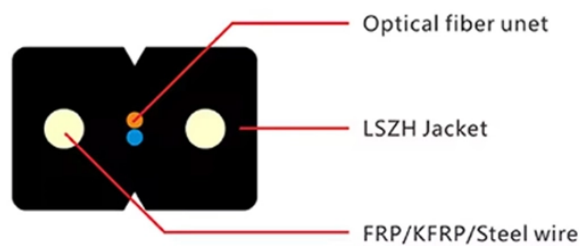


# 400G Optical Switch Test Report



## Overview

Scenario application test report for the FS QDD-ZRPH-400G Optical Transceiver Module, detailing test purpose, environment, data, and results in compatibility with Cisco equipment. Configure a traffic tester and generate data streams through optical modules. An image. tonics 400GBASE-DR4 QSFP-DD Series product. The testing was performed by Photonics PQV Department to verify products performance over he specified range of oper FB ults are summarized in the following table. 13V to b/s, BER <. As PAM4-based 400GE QSFP-DD and OSFP transceivers go into full commercial deployment, testing and verification needs change and move from the pure R&D labs, SVT, manufacturing, FAEs supporting demonstrations and field evaluations to field deployment. Not all 400G test and measurement applications. Several years ago, hyperscale network operators saw an opportunity for coherent Dense Wavelength Division Multiplexing (DWDM) transport optics to plug directly into routers for 400 Gbps Data Center Interconnections (DCIs) with reaches up to 120km. This point-to-point, IP-over-DWDM architecture.

## 400G Optical Switch Test Report



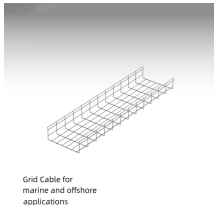
Test the optical output signal using an optical oscilloscope, a CDR and other equipment. Record the actual transmission power, central wavelength and maximum -3dB spectral width of each channel. ...



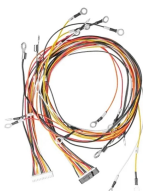
For all the test set ups in this white paper, 400 Gbps-framed traffic was generated by an optical network tester (ONT), and two additional 400G modules were used to transmit and receive ...



In this report, we have conducted a comprehensive and professional evaluation of the QSFP-DD-LR8-400G optical transceiver. Our testing confirms the module delivers high-performance transmission ...



New high speed optical modules for 400GE applications that operate with PAM4 modulation, can easily be tested with this new test suite before they are used in production environments such as data ...



ML7007 automated SW conducts full compliance test of transceivers (10G, 40G, 100G) Automatic Pass/Fail result by pressing one button -> expedite RMA process Provide field technicians with ability ...



Measure the forward error correction pre-error rate and frame loss rate of each channel in the test environment. Verify whether the results meet the specification requirements. 3. Brand Compatibility ...



2. Applicable Part Numbers The applicable part numbers to this qualification report are shown in the table below.



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This application note presents the guidelines to perform the electrical and optical validation of 400G transceivers by using EXFO's most recent 400G solution, the FTBx-88460.

## Contact Us

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