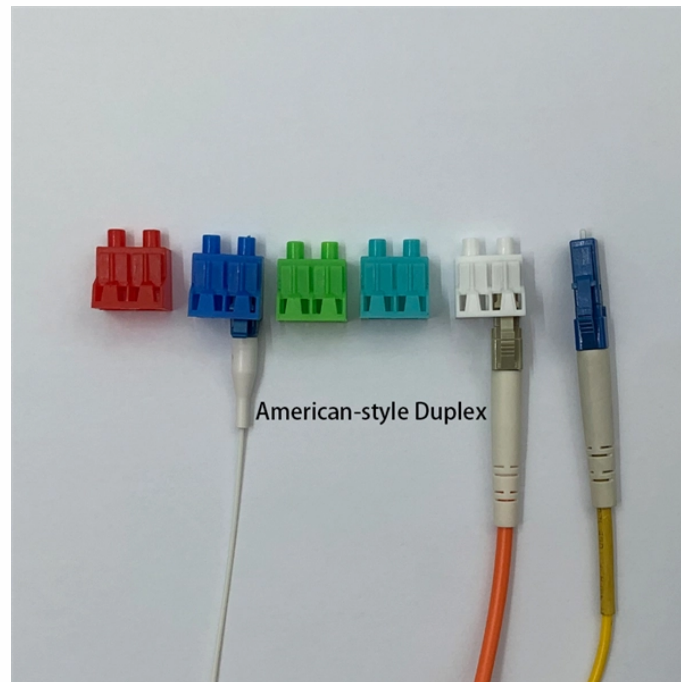


# OSFP Active Optical Device Test Report



## Overview

Based on real 800G-LR4 pluggable modules, we have conducted the first test validation on the transmitter power, extinction ratio, OMA, TECQ and TDECQ with DGD. kuschnerov\_3dj\_optx\_01\_230829, and support the 800G-LR4 baseline described in rodes\_3dj\_01\_2309. Configure a traffic tester and generate data streams through optical modules. Verify the connection status, alarm information, type. Summary of Test Steps Connect the optical modules to the test environment as per the above networking diagram. Test the optical output signal using an optical oscilloscope, a CDR and other equipment. Pattern used: SSPRQ (Short Stress Pattern Random Quaternary) with 65535 symbols. By conducting corresponding tests, the test parameters meet the relevant industry standards, and the test modules can be normally used for Nvidia (Mellanox) MQM9790 switch, Nvidia (Mellanox) ConnectX-7 network card and Nvidia (Mellanox). Do you have a question about the OSFP-SR8-800G and is the answer not in the manual?

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Here, we show the first set of test validation data for 800G-LR4 based on real pluggable modules using EML's in terms of TECQ and TDECQ with differential group delay (DGD) etc.



While testing an OSFP device module with the OSFP 1.6T MCB TPA, the test operator should adhere to the following usage recommendations and thermal safety precautions.



It includes a complete user-friendly GUI supporting all features defined by OSFP MSA and simplifying configuration processes to enable intuitive memory map programming and testing.



A: No, due to mechanical and electrical differences, OSFP modules are not compatible with OSFP-XD ports, and vice-versa. Mechanical keying features on the modules prevents insertion into the wrong ...



Test the optical output signal using an optical oscilloscope, a CDR and other equipment. Record the actual transmission power, central wavelength and maximum -20dB spectral width of each channel.



FiberMall 800G OSFP SR8/400G Q112 SR4/400G OSFP SR4 modules meet the requirements for interface compatibility.



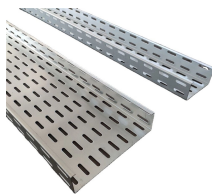
Validate the BER performance of optical transceivers, active and passive copper cables, silicon devices with the G800GE-02 800GE BERT, FEC and packet blast test capabilities with Keysight's KiOS ...



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Verify the connection status, alarm information, type information and DDM information. Ensure compatibility with the device software version. Configure the switch to operate in the speed reduction ...



Eoptolink OSFP Host Test Board is designed to provide an efficient and easy method of testing 400G/800G OSFP transceivers, active cables, and customizing Eoptolink OSFP electric loopbacks.

## Contact Us

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