



EFEC Testing with JDSU TestPoint

The transmission distance of the ODU signals can be extended further by other algorithms including Enhanced FEC (EFEC) which is specified in ITU-T G.975.1 appendix I.4. EFEC results in the same line rates as the OTN signals while providing stronger error correction ability.

Component vendors and equipment manufacturers are developing products that support both GFEC and EFEC. As a result test solutions supporting both schemes are needed to support the deployment of EFEC into the network. Any EFEC deployment without testing may risk having costly impacts before and after installation due to implementation issues in the encoders and decoders.

The JDSU TestPoint 10Gbps module provides you with the ability to test the operation of both FEC schemes during R&D, system verification and production, providing the confidence that is needed before the deployment of EFEC.

The TestPoint EFEC is a field upgradeable licensed option for the latest 10Gbps hardware. In addition to FEC testing, the TestPoint 10Gbps supports a wide variety of applications including 10GigE LAN and WAN, 8G/10G Fibre Channel, STM-64/OC-192, and GFP-F into STS-192c/VC-4-64c/OPU2, etc.

For ordering information, please refer to the data sheet for the TestPoint 10Gbps module.

Features

- Single module switchable between GFEC and EFEC, reducing cost of testing
- Broadest line rate coverage: 10.709G, 11.049G, 11.095G, 11.027G and 11.317G. Save cost when multiple line rates are required
- Insert and detect EFEC & GFEC errors to test the DUT's FEC algorithm
- OTN framing, overhead and alarm testing

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