

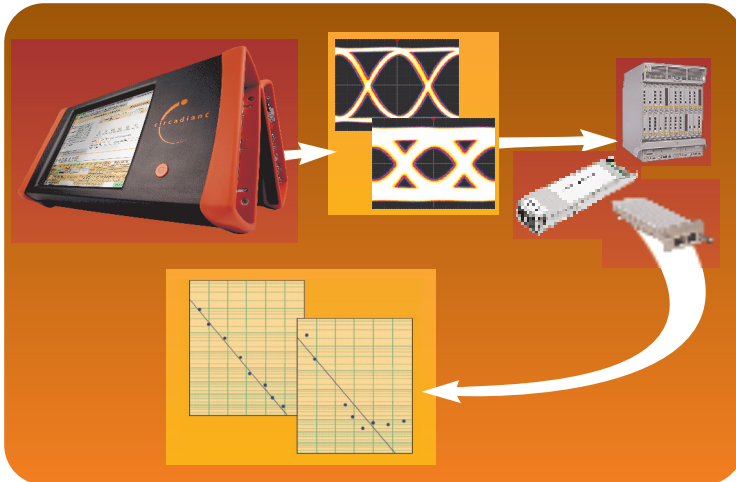


Optical Standards Tester

Real World Signal Testing

for 1GE, 10GE, 11.1GE, SONET/SDH 9.9G & 10.7G OTN

The Circadiant Optical Standards Tester (OST) makes 10G Ethernet compliance testing fast, easy, and accurate.



The 10GE Standard requires real-world signal testing and the Circadiant OST integrates all the functionality into one easy-to-use system. The OST automatically generates the real-world conditions called out by the standard and tests your device's compliance.

The OST is a high-performance BERT with protocol generation and physical layer impairment emulation capabilities. The OST can generate full line rate protocol or PRBS traffic, and then output a very clean or a very impaired optical signal. The optical signal is fed to the receiver of the device under test then transmitted back to the OST for analysis. The receiver's performance under these stressed conditions is measured and the results are displayed in a BER vs Power/OMA plot with a pass/fail indication. The optical impairment can be custom-configured to your real-world condition or selected to meet a standard such as 10GE.

High-Performance 10G Optical BERT

10G Bit-Error Rate Tester with Physical Layer Impairments for Real-World Testing

- Generate PRBS or Full Line Rate Protocol
- Modify Physical Layer Characteristics
- Automatically Analyze BER & Plot Results

Generate PRBS or Full Line Rate Protocol

- PRBS Traffic at 1G, 9.9G, 10.3G, 10.5G, 10.7G, 11.1G & 11.3G
- Full Line Rate Protocol
 - 1GE LAN
 - OC192 and STM64
 - 10.3GE LAN
 - 10.7G SONET OTN
 - 11.1GE LAN FEC

Modify Physical Layer Characteristics

- 802.3ae Compliant Signals
- Output Power
- Extinction Ratio
- Vertical Jitter
- Horizontal Jitter
- OSNR Level
- 4th Order BT Filter

Automatically Analyze BER & Plot Results

- Receiver:
 - 802.3 Stressed Receiver Sensitivity Testing
 - BER vs. OSNR and BER vs. Power/OMA
 - Overload Testing
- Transmitter:
 - Path Penalty

Real-World Signal Testing Made Easy

