



QSFP28-SFP28-CVR

OPTICAL TRANSCEIVER MODULE

Scenario Application Test Report (Juniper)

CONTENTS

1. Test Purpose 2

2. Test Results Summary2

3. Test Environment2

 3.1 Test Equipment Used2

 3.2 Test Sample 2

4. Test Data3

1. Test Purpose

By building test scenarios and simulating the customer's usage environment, we test whether the module's performance meets the customer's requirements.

2. Test Results Summary

Table 2: Test Results

Items	Test Data	Remarks
Multi-Version	Pass	/
Connectivity	Pass	/
Module Basic Information	Pass	/
Digital Diagnostic Monitoring	Pass	/

3. Test Environment

3.1 Test Equipment Used

Table 3-1: Test Equipment Used

Vendor	Device	Soft Version
Juniper Switch	QFX5120-48Y-8C	20.2R3.9

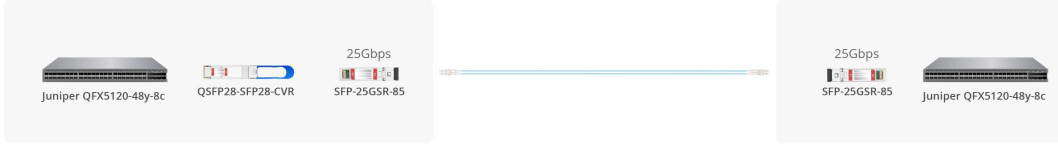
3.2 Test Sample

Table 3-2: Test Sample

Product ID	P/N	Serial Number
#178071	QSFP28-SFP28-CVR	A1930008986

4. Test Data

Table 4: Scenario Application Testing

Test Topology	
Test Premise	1. Confirm the brand, quantity and placement of the switches to be tested. 2. Prepare control cables, test software and optical fiber patch cords. Power on the switches in advance. 3. Locate the Console port on the switch, which is usually marked as "CON" on the switch, although some switches may display it as "IOIOI" or a computer monitor icon, etc. Use a control cable to connect the switch to the computer.  4. Before connecting the software, it is necessary to confirm the connection port of the control cable. Go to the computer device manager, click on the ports (COM and LPT) to view the ports. After confirming the ports, proceed with the next step.
Test Method	Click to open the SecureCRT Portable software and enter the quick connection interface. ① Protocol selection: Serial ② Port selection: The same as the port you viewed in the previous step ③ Baud rate selection: The same as the baud rate of the port on the target switch ④ Flow control: Do not check this option The remaining configurations can keep the default values.
Test Steps	① Insert the module into the corresponding rate port of the switch, and connect the TX-RX ends with an optical fiber jumper or an MTP self-loop device. Observe whether the module is connected. If not connected, please check the jumper connection or the switch port configuration (login to the switch is required). ② Enter the test interface, input the account and password, log in to the switch and enter privileged mode. ③ According to the switch command configuration table, input the corresponding test command and view the relevant information: port status (connectivity), connection rate, alarm status, module basic information, DDM information, etc. Determine whether it meets the requirements.

Test Information

1. Read the switch model name and software version, and read the status of all ports on the switch

```
{master:0}
root> show version
localre:
-----
Model: qfx5120-48y-8c
Junos: 20.2R3.9
JUNOS OS Kernel 64-bit [20210212.420a184_builder_stable_11]
JUNOS OS libs [20210212.420a184_builder_stable_11]
JUNOS OS runtime [20210212.420a184_builder_stable_11]
JUNOS OS time zone information [20210211.420a184_builder_stable_11]
JUNOS OS libs compat32 [20210212.420a184_builder_stable_11]
JUNOS OS 32-bit compatibility [20210212.420a184_builder_stable_11]
JUNOS py extensions2 [20210323.202702_builder_junos_202_r3]
JUNOS py extensions [20210323.202702_builder_junos_202_r3]
JUNOS py base2 [20210323.202702_builder_junos_202_r3]
JUNOS py base [20210323.202702_builder_junos_202_r3]
JUNOS OS vmguest [20210211.420a184_builder_stable_11]
JUNOS OS crypto [20210211.420a184_builder_stable_11]
JUNOS OS boot-ve files [20210211.420a184_builder_stable_11]
JUNOS network stack and utilities [20210323.202702_builder_junos_202_r3]
JUNOS libs [20210323.202702_builder_junos_202_r3]
JUNOS libs compat32 [20210323.202702_builder_junos_202_r3]
JUNOS runtime [20210323.202702_builder_junos_202_r3]
JUNOS na telemetry [20.2R3.9]
JUNOS Web Management Platform Package [20210323.202702_builder_junos_202_r3]
JUNOS qfx runtime [20210323.202702_builder_junos_202_r3]
JUNOS common platform support [20210323.202702_builder_junos_202_r3]
JUNOS qfx platform support [20210323.202702_builder_junos_202_r3]
JUNOS Openconfig [20.2R3.9]
JUNOS dcp network modules [20210323.202702_builder_junos_202_r3]
JUNOS modules [20210323.202702_builder_junos_202_r3]
JUNOS qfx modules [20210323.202702_builder_junos_202_r3]
JUNOS qfx Data Plane Crypto Support [20210323.202702_builder_junos_202_r3]
JUNOS daemons [20210323.202702_builder_junos_202_r3]
JUNOS qfx daemons [20210323.202702_builder_junos_202_r3]
JUNOS Services URL Filter package [20210323.202702_builder_junos_202_r3]
JUNOS Services TLB Service PIC package [20210323.202702_builder_junos_202_r3]
JUNOS Services Telemetry [20210323.202702_builder_junos_202_r3]
JUNOS Services TCP-LOG [20210323.202702_builder_junos_202_r3]
JUNOS Services SSL [20210323.202702_builder_junos_202_r3]
JUNOS Services SOFTWARE [20210323.202702_builder_junos_202_r3]
JUNOS Services Stateful Firewall [20210323.202702_builder_junos_202_r3]
JUNOS Services RTCOM [20210323.202702_builder_junos_202_r3]
JUNOS Services RPM [20210323.202702_builder_junos_202_r3]
JUNOS Services PCEF package [20210323.202702_builder_junos_202_r3]
JUNOS Services NAT [20210323.202702_builder_junos_202_r3]
JUNOS Services Mobile Subscriber Service Container package [20210323.202702_builder_junos_202_r3]
JUNOS Services MobileNext Software package [20210323.202702_builder_junos_202_r3]
JUNOS Services Logging Report Framework package [20210323.202702_builder_junos_202_r3]
JUNOS Services LL-PDF Container package [20210323.202702_builder_junos_202_r3]
JUNOS Services Jflow Container package [20210323.202702_builder_junos_202_r3]
JUNOS Services Deep Packet Inspection package [20210323.202702_builder_junos_202_r3]
JUNOS Services IPSec [20210323.202702_builder_junos_202_r3]
JUNOS Services IDS [20210323.202702_builder_junos_202_r3]
JUNOS IDP Services [20210323.202702_builder_junos_202_r3]
JUNOS Services HTTP Content Management package [20210323.202702_builder_junos_202_r3]
JUNOS Services Crypto [20210323.202702_builder_junos_202_r3]
JUNOS Services Captive Portal and Content Delivery Container package [20210323.202702_builder_junos_202_r3]
JUNOS Services COS [20210323.202702_builder_junos_202_r3]
JUNOS Appld Services [20210323.202702_builder_junos_202_r3]
JUNOS Services Application Level Gateways [20210323.202702_builder_junos_202_r3]
JUNOS Services AACL Container package [20210323.202702_builder_junos_202_r3]
JUNOS SDN Software Suite [20210323.202702_builder_junos_202_r3]
JUNOS Extension Toolkit [20210323.202702_builder_junos_202_r3]
JUNOS Phone-home [20210323.202702_builder_junos_202_r3]
JUNOS Packet Forwarding Engine Support (DC-PFE) [20210323.202702_builder_junos_202_r3]
JUNOS Packet Forwarding Engine Support (M/T Common) [20210323.202702_builder_junos_202_r3]
JUNOS Juniper Malware Removal Tool (JMRT) [1.0.0+20210323.202702_builder_junos_202_r3]
JUNOS J-Insight [20210323.202702_builder_junos_202_r3]
JUNOS Jfirmware [20210323.202702_builder_junos_202_r3]
JUNOS Online Documentation [20210323.202702_builder_junos_202_r3]
JUNOS jail runtime [20210212.420a184_builder_stable_11]
JUNOS FIPS mode utilities [20210323.202702_builder_junos_202_r3]
JUNOS Host Software [3.14.52-rt50-WR7.0.0.9_ovp:3.1.0]
JUNOS Host qfx-5e host-control package [20.2R3.9]
JUNOS Host qfx-5e host-platform package [20.2R3.9]
JUNOS Host qfx-5e control-plane package [20.2R3.9]
JUNOS Host qfx-5e platform package [20.2R3.9]
JUNOS Host qfx-5e base package [20.2R3.9]
JUNOS Host qfx-5e data-plane package [20.2R3.9]
```

Test Information

```
{master:0}
root> show interfaces et-0/0/52:0
Physical interface: et-0/0/52:0, Enabled, Physical link is Up
Interface index: 650, SNMP ifIndex: 553
Link-level type: Ethernet, MTU: 1514, LAN-PHY mode, Speed: 25Gbps,
BPDU Error: None, Loop Detect PDU Error: None, Ethernet-Switching Error: None,
MAC-REWRITE Error: None, Loopback: Disabled, Source filtering: Disabled,
Flow control: Disabled, Media type: Fiber
Device flags : Present Running
Interface flags: SNMP-Traps Internal: 0x4000
Link flags : None
CoS queues : 10 supported, 10 maximum usable queues
Current address: b4:8a:5f:de:b3:85, Hardware address: b4:8a:5f:de:b3:85
Last flapped : 2023-06-28 15:36:08 UTC (00:02:10 ago)
Input rate : 0 bps (0 pps)
Output rate : 312 bps (0 pps)
Active alarms : None
Active defects : None
Pre-emphasis(reg 236/237)
Register-value 0
Ctle(reg 234/235)
Register-value 0
Differential-amplitude(reg 238/239)
Register-value 0
PCS statistics Seconds
Bit errors 0
Errored blocks 0
Ethernet FEC Mode : FEC74
Ethernet FEC statistics Errors
FEC Corrected Errors 0
FEC Uncorrected Errors 0
FEC Corrected Errors Rate 0
FEC Uncorrected Errors Rate 0
PRBS Statistics : Disabled
Interface transmit statistics: Disabled

Logical interface et-0/0/52:0.0 (Index 555) (SNMP ifIndex 616)
Flags: Up SNMP-Traps 0x24024000 Encapsulation: Ethernet-Bridge
Input packets : 8
Output packets: 6
Protocol eth-switch, MTU: 1514
Flags: Is-Primary
```

```
{master:0}
root>

{master:0}
root> show interfaces et-0/0/54:0
Physical interface: et-0/0/54:0, Enabled, Physical link is Up
Interface index: 654, SNMP ifIndex: 578
Link-level type: Ethernet, MTU: 1514, LAN-PHY mode, Speed: 25Gbps,
BPDU Error: None, Loop Detect PDU Error: None, Ethernet-Switching Error: None,
MAC-REWRITE Error: None, Loopback: Disabled, Source filtering: Disabled,
Flow control: Disabled, Media type: Fiber
Device flags : Present Running
Interface flags: SNMP-Traps Internal: 0x4000
Link flags : None
CoS queues : 10 supported, 10 maximum usable queues
Current address: b4:8a:5f:de:b3:8d, Hardware address: b4:8a:5f:de:b3:8d
Last flapped : 2023-06-28 15:36:09 UTC (00:02:13 ago)
Input rate : 304 bps (0 pps)
Output rate : 0 bps (0 pps)
Active alarms : None
Active defects : None
Pre-emphasis(reg 236/237)
Register-value 0
Ctle(reg 234/235)
Register-value 0
Differential-amplitude(reg 238/239)
Register-value 0
PCS statistics Seconds
Bit errors 0
Errored blocks 0
Ethernet FEC Mode : FEC74
Ethernet FEC statistics Errors
FEC Corrected Errors 0
FEC Uncorrected Errors 0
FEC Corrected Errors Rate 0
FEC Uncorrected Errors Rate 0
PRBS Statistics : Disabled
Interface transmit statistics: Disabled

Logical interface et-0/0/54:0.0 (Index 559) (SNMP ifIndex 625)
Flags: Up SNMP-Traps 0x24024000 Encapsulation: Ethernet-Bridge
Input packets : 76
Output packets: 19
Protocol eth-switch, MTU: 1514
```

```
{master:0}
root>
```


2. Read the module's basic information from the switch side

```

root>

(master:0)
root> show chassis hardware
Hardware inventory:
Item          Version  Part number  Serial number  Description
Chassis              XH3721060393  JNP48Y8C-CHAS
Pseudo CB 0
Routing Engine 0      BUILTIN      BUILTIN        RE-QFX5120-48Y-8C
FPC 0                REV 14      650-083242  XH3721060393  JNP48Y8C-CHAS
CPU                  BUILTIN      BUILTIN        FPC CPU
PIC 0                BUILTIN      BUILTIN        48x25G-8x100G
Xcvr 52              REV 01      740-061405  A1930009041   QSFP-100G-SR4-T2
Xcvr 54              REV 01      740-061405  A1930009041   QSFP-100G-SR4-T2
Power Supply 0        REV 04      740-070749  1F18B040354   JPSU-650W-AC-AO
Power Supply 1        REV 04      740-070749  1F18B040399   JPSU-650W-AC-AO
Fan Tray 0                                fan-ctrl-0 0, Front to Back Airflow - AFO
Fan Tray 1                                fan-ctrl-0 1, Front to Back Airflow - AFO
Fan Tray 2                                fan-ctrl-1 2, Front to Back Airflow - AFO
Fan Tray 3                                fan-ctrl-1 3, Front to Back Airflow - AFO
Fan Tray 4                                fan-ctrl-2 4, Front to Back Airflow - AFO

```

3. Read the DDM information of the module

```

(master:0)
root> show interfaces diagnostics optics
Physical interface: et-0/0/52:0
Module temperature          : 28 degrees C / 82 degrees F
Module voltage              : 3.2780 V
Module temperature high alarm : Off
Module temperature low alarm  : Off
Module temperature high warning : Off
Module temperature low warning : Off
Module voltage high alarm     : Off
Module voltage low alarm      : Off
Module voltage high warning    : Off
Module voltage low warning     : Off
Module temperature high alarm threshold : 80 degrees C / 176 degrees F
Module temperature low alarm threshold  : -10 degrees C / 14 degrees F
Module temperature high warning threshold : 70 degrees C / 158 degrees F
Module temperature low warning threshold : 0 degrees C / 32 degrees F
Module voltage high alarm threshold : 3.6300 V
Module voltage low alarm threshold  : 2.9700 V
Module voltage high warning threshold : 3.4600 V
Module voltage low warning threshold : 3.1300 V
Laser bias current high alarm threshold : 13.999 mA
Laser bias current low alarm threshold  : 1.999 mA
Laser bias current high warning threshold : 12.999 mA
Laser bias current low warning threshold : 2.999 mA
Laser output power high alarm threshold : 3.4673 mW / 5.40 dBm
Laser output power low alarm threshold  : 0.0724 mW / -11.40 dBm
Laser output power high warning threshold : 1.7378 mW / 2.40 dBm
Laser output power low warning threshold : 0.1445 mW / -8.40 dBm
Laser rx power high alarm threshold : 3.4673 mW / 5.40 dBm
Laser rx power low alarm threshold : 0.0467 mW / -13.31 dBm
Laser rx power high warning threshold : 1.7378 mW / 2.40 dBm
Laser rx power low warning threshold : 0.0933 mW / -10.30 dBm
Lane 0
Laser bias current          : 7.418 mA
Laser output power          : 0.974 mW / -0.11 dBm
Laser receiver power        : 0.987 mW / -0.06 dBm
Laser bias current high alarm : Off
Laser bias current low alarm  : Off
Laser bias current high warning : Off
Laser bias current low warning : Off
Laser receiver power high alarm : Off
Laser receiver power low alarm  : Off
Laser receiver power high warning : Off
Laser receiver power low warning : Off
Tx loss of signal functionality alarm : Off
Rx loss of signal alarm : Off
Tx laser disabled alarm : Off

```

Test Information

Test Information

Physical interface: et-0/0/52:1

Module temperature	: 28 degrees C / 82 degrees F
Module voltage	: 3.2780 V
Module temperature high alarm	: Off
Module temperature low alarm	: Off
Module temperature high warning	: Off
Module temperature low warning	: Off
Module voltage high alarm	: Off
Module voltage low alarm	: Off
Module voltage high warning	: Off
Module voltage low warning	: Off
Module temperature high alarm threshold	: 80 degrees C / 176 degrees F
Module temperature low alarm threshold	: -10 degrees C / 14 degrees F
Module temperature high warning threshold	: 70 degrees C / 158 degrees F
Module temperature low warning threshold	: 0 degrees C / 32 degrees F
Module voltage high alarm threshold	: 3.6300 V
Module voltage low alarm threshold	: 2.9700 V
Module voltage high warning threshold	: 3.4600 V
Module voltage low warning threshold	: 3.1300 V
Laser bias current high alarm threshold	: 13.999 mA
Laser bias current low alarm threshold	: 1.999 mA
Laser bias current high warning threshold	: 12.999 mA
Laser bias current low warning threshold	: 2.999 mA
Laser output power high alarm threshold	: 3.4673 mW / 5.40 dBm
Laser output power low alarm threshold	: 0.0724 mW / -11.40 dBm
Laser output power high warning threshold	: 1.7378 mW / 2.40 dBm
Laser output power low warning threshold	: 0.1445 mW / -8.40 dBm
Laser rx power high alarm threshold	: 3.4673 mW / 5.40 dBm
Laser rx power low alarm threshold	: 0.0467 mW / -13.31 dBm
Laser rx power high warning threshold	: 1.7378 mW / 2.40 dBm
Laser rx power low warning threshold	: 0.0933 mW / -10.30 dBm

Lane 1

Laser bias current	: 7.418 mA
Laser output power	: 0.974 mW / -0.11 dBm
Laser receiver power	: 0.987 mW / -0.06 dBm
Laser bias current high alarm	: Off
Laser bias current low alarm	: Off
Laser bias current high warning	: Off
Laser bias current low warning	: Off
Laser receiver power high alarm	: Off
Laser receiver power low alarm	: Off
Laser receiver power high warning	: Off
Laser receiver power low warning	: Off
Tx loss of signal functionality alarm	: Off
Rx loss of signal alarm	: Off
Tx laser disabled alarm	: Off

Physical interface: et-0/0/52:2

Module temperature	: 28 degrees C / 82 degrees F
Module voltage	: 3.2780 V
Module temperature high alarm	: Off
Module temperature low alarm	: Off
Module temperature high warning	: Off
Module temperature low warning	: Off
Module voltage high alarm	: Off
Module voltage low alarm	: Off
Module voltage high warning	: Off
Module voltage low warning	: Off
Module temperature high alarm threshold	: 80 degrees C / 176 degrees F
Module temperature low alarm threshold	: -10 degrees C / 14 degrees F
Module temperature high warning threshold	: 70 degrees C / 158 degrees F
Module temperature low warning threshold	: 0 degrees C / 32 degrees F
Module voltage high alarm threshold	: 3.6300 V
Module voltage low alarm threshold	: 2.9700 V
Module voltage high warning threshold	: 3.4600 V
Module voltage low warning threshold	: 3.1300 V
Laser bias current high alarm threshold	: 13.999 mA
Laser bias current low alarm threshold	: 1.999 mA
Laser bias current high warning threshold	: 12.999 mA
Laser bias current low warning threshold	: 2.999 mA
Laser output power high alarm threshold	: 3.4673 mW / 5.40 dBm
Laser output power low alarm threshold	: 0.0724 mW / -11.40 dBm
Laser output power high warning threshold	: 1.7378 mW / 2.40 dBm
Laser output power low warning threshold	: 0.1445 mW / -8.40 dBm
Laser rx power high alarm threshold	: 3.4673 mW / 5.40 dBm
Laser rx power low alarm threshold	: 0.0467 mW / -13.31 dBm
Laser rx power high warning threshold	: 1.7378 mW / 2.40 dBm
Laser rx power low warning threshold	: 0.0933 mW / -10.30 dBm

Lane 2

Laser bias current	: 7.418 mA
Laser output power	: 0.974 mW / -0.11 dBm
Laser receiver power	: 0.987 mW / -0.06 dBm
Laser bias current high alarm	: Off
Laser bias current low alarm	: Off
Laser bias current high warning	: Off
Laser bias current low warning	: Off
Laser receiver power high alarm	: Off
Laser receiver power low alarm	: Off
Laser receiver power high warning	: Off
Laser receiver power low warning	: Off
Tx loss of signal functionality alarm	: Off
Rx loss of signal alarm	: Off
Tx laser disabled alarm	: Off

Test Information

Physical interface: et-0/0/52:3

Module temperature	: 28 degrees C / 82 degrees F
Module voltage	: 3.2780 V
Module temperature high alarm	: Off
Module temperature low alarm	: Off
Module temperature high warning	: Off
Module temperature low warning	: Off
Module voltage high alarm	: Off
Module voltage low alarm	: Off
Module voltage high warning	: Off
Module voltage low warning	: Off
Module temperature high alarm threshold	: 80 degrees C / 176 degrees F
Module temperature low alarm threshold	: -10 degrees C / 14 degrees F
Module temperature high warning threshold	: 70 degrees C / 158 degrees F
Module temperature low warning threshold	: 0 degrees C / 32 degrees F
Module voltage high alarm threshold	: 3.6300 V
Module voltage low alarm threshold	: 2.9700 V
Module voltage high warning threshold	: 3.4600 V
Module voltage low warning threshold	: 3.1300 V
Laser bias current high alarm threshold	: 13.999 mA
Laser bias current low alarm threshold	: 1.999 mA
Laser bias current high warning threshold	: 12.999 mA
Laser bias current low warning threshold	: 2.999 mA
Laser output power high alarm threshold	: 3.4673 mW / 5.40 dBm
Laser output power low alarm threshold	: 0.0724 mW / -11.40 dBm
Laser output power high warning threshold	: 1.7378 mW / 2.40 dBm
Laser output power low warning threshold	: 0.1445 mW / -8.40 dBm
Laser rx power high alarm threshold	: 3.4673 mW / 5.40 dBm
Laser rx power low alarm threshold	: 0.0467 mW / -13.31 dBm
Laser rx power high warning threshold	: 1.7378 mW / 2.40 dBm
Laser rx power low warning threshold	: 0.0933 mW / -10.30 dBm

Lane 3

Laser bias current	: 7.418 mA
Laser output power	: 0.974 mW / -0.11 dBm
Laser receiver power	: 0.987 mW / -0.06 dBm
Laser bias current high alarm	: Off
Laser bias current low alarm	: Off
Laser bias current high warning	: Off
Laser bias current low warning	: Off
Laser receiver power high alarm	: Off
Laser receiver power low alarm	: Off
Laser receiver power high warning	: Off
Laser receiver power low warning	: Off
Tx loss of signal functionality alarm	: Off
Rx loss of signal alarm	: Off
Tx laser disabled alarm	: Off

Physical interface: et-0/0/54:0

Module temperature	: 35 degrees C / 96 degrees F
Module voltage	: 3.2790 V
Module temperature high alarm	: Off
Module temperature low alarm	: Off
Module temperature high warning	: Off
Module temperature low warning	: Off
Module voltage high alarm	: Off
Module voltage low alarm	: Off
Module voltage high warning	: Off
Module voltage low warning	: Off
Module temperature high alarm threshold	: 80 degrees C / 176 degrees F
Module temperature low alarm threshold	: -10 degrees C / 14 degrees F
Module temperature high warning threshold	: 70 degrees C / 158 degrees F
Module temperature low warning threshold	: 0 degrees C / 32 degrees F
Module voltage high alarm threshold	: 3.6300 V
Module voltage low alarm threshold	: 2.9700 V
Module voltage high warning threshold	: 3.4600 V
Module voltage low warning threshold	: 3.1300 V
Laser bias current high alarm threshold	: 13.999 mA
Laser bias current low alarm threshold	: 1.999 mA
Laser bias current high warning threshold	: 12.999 mA
Laser bias current low warning threshold	: 2.999 mA
Laser output power high alarm threshold	: 3.4673 mW / 5.40 dBm
Laser output power low alarm threshold	: 0.0724 mW / -11.40 dBm
Laser output power high warning threshold	: 1.7378 mW / 2.40 dBm
Laser output power low warning threshold	: 0.1445 mW / -8.40 dBm
Laser rx power high alarm threshold	: 3.4673 mW / 5.40 dBm
Laser rx power low alarm threshold	: 0.0467 mW / -13.31 dBm
Laser rx power high warning threshold	: 1.7378 mW / 2.40 dBm
Laser rx power low warning threshold	: 0.0933 mW / -10.30 dBm

Lane 0

Laser bias current : 7.176 mA

Laser output power : 0.960 mW / -0.18 dBm

Laser receiver power : 0.938 mW / -0.28 dBm

Laser bias current high alarm : Off

Laser bias current low alarm : Off

Laser bias current high warning : Off

Laser bias current low warning : Off

Laser receiver power high alarm : Off

Laser receiver power low alarm : Off

Laser receiver power high warning : Off

Laser receiver power low warning : Off

Tx loss of signal functionality alarm : Off

Rx loss of signal alarm : Off

Tx laser disabled alarm : Off

Physical interface: et-0/0/54:1

Module temperature : 35 degrees C / 96 degrees F

Module voltage : 3.2790 V

Module temperature high alarm : Off

Module temperature low alarm : Off

Module temperature high warning : Off

Module temperature low warning : Off

Module voltage high alarm : Off

Module voltage low alarm : Off

Module voltage high warning : Off

Module voltage low warning : Off

Module temperature high alarm threshold : 80 degrees C / 176 degrees F

Module temperature low alarm threshold : -10 degrees C / 14 degrees F

Module temperature high warning threshold : 70 degrees C / 158 degrees F

Module temperature low warning threshold : 0 degrees C / 32 degrees F

Module voltage high alarm threshold : 3.6300 V

Module voltage low alarm threshold : 2.9700 V

Module voltage high warning threshold : 3.4600 V

Module voltage low warning threshold : 3.1300 V

Laser bias current high alarm threshold : 13.999 mA

Laser bias current low alarm threshold : 1.999 mA

Laser bias current high warning threshold : 12.999 mA

Laser bias current low warning threshold : 2.999 mA

Laser output power high alarm threshold : 3.4673 mW / 5.40 dBm

Laser output power low alarm threshold : 0.0724 mW / -11.40 dBm

Laser output power high warning threshold : 1.7378 mW / 2.40 dBm

Laser output power low warning threshold : 0.1445 mW / -8.40 dBm

Laser rx power high alarm threshold : 3.4673 mW / 5.40 dBm

Laser rx power low alarm threshold : 0.0467 mW / -13.31 dBm

Laser rx power high warning threshold : 1.7378 mW / 2.40 dBm

Laser rx power low warning threshold : 0.0933 mW / -10.30 dBm

Lane 1

Laser bias current : 7.176 mA

Laser output power : 0.960 mW / -0.18 dBm

Laser receiver power : 0.938 mW / -0.28 dBm

Laser bias current high alarm : Off

Laser bias current low alarm : Off

Laser bias current high warning : Off

Laser bias current low warning : Off

Laser receiver power high alarm : Off

Laser receiver power low alarm : Off

Laser receiver power high warning : Off

Laser receiver power low warning : Off

Tx loss of signal functionality alarm : Off

Rx loss of signal alarm : Off

Tx laser disabled alarm : Off

Physical interface: et-0/0/54:2

Module temperature : 35 degrees C / 96 degrees F

Module voltage : 3.2790 V

Module temperature high alarm : Off

Module temperature low alarm : Off

Module temperature high warning : Off

Module temperature low warning : Off

Module voltage high alarm : Off

Module voltage low alarm : Off

Module voltage high warning : Off

Module voltage low warning : Off

Module temperature high alarm threshold : 80 degrees C / 176 degrees F

Module temperature low alarm threshold : -10 degrees C / 14 degrees F

Module temperature high warning threshold : 70 degrees C / 158 degrees F

Module temperature low warning threshold : 0 degrees C / 32 degrees F

Module voltage high alarm threshold : 3.6300 V

Module voltage low alarm threshold : 2.9700 V

Module voltage high warning threshold : 3.4600 V

Module voltage low warning threshold : 3.1300 V

Laser bias current high alarm threshold : 13.999 mA

Laser bias current low alarm threshold : 1.999 mA

Laser bias current high warning threshold : 12.999 mA

Laser bias current low warning threshold : 2.999 mA

Laser output power high alarm threshold : 3.4673 mW / 5.40 dBm

Laser output power low alarm threshold : 0.0724 mW / -11.40 dBm

Laser output power high warning threshold : 1.7378 mW / 2.40 dBm

Laser output power low warning threshold : 0.1445 mW / -8.40 dBm

Laser rx power high alarm threshold : 3.4673 mW / 5.40 dBm

Laser rx power low alarm threshold : 0.0467 mW / -13.31 dBm

Laser rx power high warning threshold : 1.7378 mW / 2.40 dBm

Laser rx power low warning threshold : 0.0933 mW / -10.30 dBm

	<pre> Lane 2 Laser bias current : 7.176 mA Laser output power : 0.960 mW / -0.18 dBm Laser receiver power : 0.938 mW / -0.28 dBm Laser bias current high alarm : Off Laser bias current low alarm : Off Laser bias current high warning : Off Laser bias current low warning : Off Laser receiver power high alarm : Off Laser receiver power low alarm : Off Laser receiver power high warning : Off Laser receiver power low warning : Off Tx loss of signal functionality alarm : Off Rx loss of signal alarm : Off Tx laser disabled alarm : Off Physical interface: et-0/0/54:3 Module temperature : 35 degrees C / 96 degrees F Module voltage : 3.2790 V Module temperature high alarm : Off Module temperature low alarm : Off Module temperature high warning : Off Module temperature low warning : Off Module voltage high alarm : Off Module voltage low alarm : Off Module voltage high warning : Off Module voltage low warning : Off Module temperature high alarm threshold : 80 degrees C / 176 degrees F Module temperature low alarm threshold : -10 degrees C / 14 degrees F Module temperature high warning threshold : 70 degrees C / 158 degrees F Module temperature low warning threshold : 0 degrees C / 32 degrees F Module voltage high alarm threshold : 3.6300 V Module voltage low alarm threshold : 2.9700 V Module voltage high warning threshold : 3.4600 V Module voltage low warning threshold : 3.1300 V Laser bias current high alarm threshold : 13.999 mA Laser bias current low alarm threshold : 1.999 mA Laser bias current high warning threshold : 12.999 mA Laser bias current low warning threshold : 2.999 mA Laser output power high alarm threshold : 3.4673 mW / 5.40 dBm Laser output power low alarm threshold : 0.0724 mW / -11.40 dBm Laser output power high warning threshold : 1.7378 mW / 2.40 dBm Laser output power low warning threshold : 0.1445 mW / -8.40 dBm Laser rx power high alarm threshold : 3.4673 mW / 5.40 dBm Laser rx power low alarm threshold : 0.0467 mW / -13.31 dBm Laser rx power high warning threshold : 1.7378 mW / 2.40 dBm Laser rx power low warning threshold : 0.0933 mW / -10.30 dBm Lane 3 Laser bias current : 7.176 mA Laser output power : 0.960 mW / -0.18 dBm Laser receiver power : 0.938 mW / -0.28 dBm Laser bias current high alarm : Off Laser bias current low alarm : Off Laser bias current high warning : Off Laser bias current low warning : Off Laser receiver power high alarm : Off Laser receiver power low alarm : Off Laser receiver power high warning : Off Laser receiver power low warning : Off Tx loss of signal functionality alarm : Off Rx loss of signal alarm : Off Tx laser disabled alarm : Off (master:0) root> </pre>
Test Conclusion	After completing the above test content, all the test information should be copied and pasted into a TXT document.
Remarks	/