QSFP-SR4-40G
TEST REPORT (Juniper)

Content

1. Test Purpose

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

2. Test Result Summary

Table 2-1: Test Result Summary

Test Items	Test Result
Muti-Version	Pass
Connectivity	Pass
Module Basic Information	Pass
Digital Diagnostic Monitoring	Pass

3. Test Equipment Used

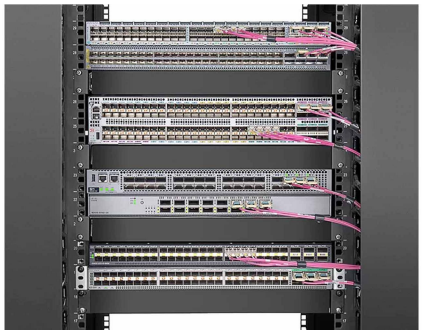
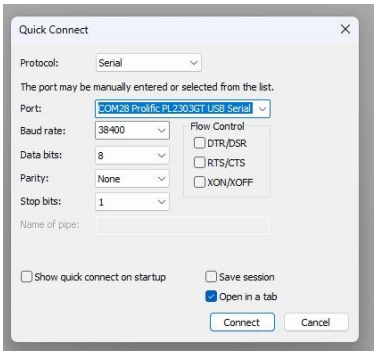
Table 3-1: Test Equipment Used

Vendor	Device	Soft Version/Compatible Brand	Serial Number
Juniper Switch	QFX5220-32CD	23.4R2-S1.7-EVO	/
Intel Network Interface Card (NIC)	E810-CQDA2	/	/
FS Optical Transceiver Module	QSFP-SR4-40G	Juniper Compatible	A1930009046 A1930009049
FS Server	RS7260	/	/

4. Test Data

4.1 Test Scenario

Table 4-1: Test Scenario

Test Topology	Network topology:  Interoperability test scenario : 
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.

4.2 Test Result

Table 4-2: Test Result

Test Information

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

```
root@qfx5220-32cd> show version
Hostname: qfx5220-32cd
Model: qfx5220-32cd
Junos: 23.4R2-S1.7-EVO
Yocto: 3.0.2
Linux Kernel: 5.2.60-yocto-standard-gbbed0c6
JUNOS-EVO OS 64-bit [junos-evo-install-qfx-ms-x86-64-23.4R2-S1.7-EVO]
External Software:
JET app aos       5.0.0-64
```

```
root@qfx5220-32cd> show chassis hardware
Hardware inventory:
Item          Version  Part number  Serial number     Description
Chassis                            XC3621530011      QFX5220-32CD
PSM 0         REV 04   740-085431   1ED7B110306       JPSU-1600W-AC-AFO
PSM 1         REV 04   740-085431   1ED7B110552       JPSU-1600W-AC-AFO
Routing Engine 0        BUILTIN      BUILTIN           RE-QFX5220-32CD
CB 0          REV 12   650-086244   XC3621530011      QFX5220-32CD
FPC 0                  BUILTIN      BUILTIN           QFX5220-32CD
  PIC 0                BUILTIN      BUILTIN           32X400G-QSFP-DD
    Xcvr 0     REV 01   740-067443   A1930009046       QSFP+-40G-SR4
    Xcvr 1     REV 01   740-067443   A1930009049       QSFP+-40G-SR4
Fan Tray 0                          QFX5220-32CD Fan Tray, Front to Back Airflow - AFO
Fan Tray 1                          QFX5220-32CD Fan Tray, Front to Back Airflow - AFO
Fan Tray 2                          QFX5220-32CD Fan Tray, Front to Back Airflow - AFO
Fan Tray 3                          QFX5220-32CD Fan Tray, Front to Back Airflow - AFO
Fan Tray 4                          QFX5220-32CD Fan Tray, Front to Back Airflow - AFO
Fan Tray 5                          QFX5220-32CD Fan Tray, Front to Back Airflow - AFO
```

Test Information	2. Verify the NIC port status [root@RS5220 ~]# ethtool ens2f0np0 Settings for ens2f0np0: Supported ports: [FIBRE] Supported link modes: 25000baseCR/Full 25000baseSR/Full 50000baseCR2/Full 100000baseSR4/Full 100000baseCR4/Full 100000baseLR4_ER4/Full 50000baseSR2/Full 50000baseSR/Full 50000baseCR/Full 50000baseLR_ER_FR/Full 100000baseSR2/Full 100000baseCR2/Full Supported pause frame use: Symmetric Supports auto-negotiation: No Supported FEC modes: None Advertised link modes: Not reported Advertised pause frame use: No Advertised auto-negotiation: No Advertised FEC modes: None Speed: 10000Mb/s Duplex: Full Auto-negotiation: off Port: FIBRE PHYAD: 0 Transceiver: internal Supports Wake-on: d Wake-on: d Current message level: 0x00000007 (7) drv probe link Link detected: yes [root@RS5220 ~]# ethtool ens2f1np1 Settings for ens2f1np1: Supported ports: [FIBRE] Supported link modes: 25000baseCR/Full 25000baseSR/Full 50000baseCR2/Full 100000baseSR4/Full 100000baseCR4/Full 100000baseLR4_ER4/Full 50000baseSR2/Full 50000baseSR/Full 50000baseCR/Full 50000baseLR_ER_FR/Full 100000baseSR2/Full 100000baseCR2/Full Supported pause frame use: Symmetric Supports auto-negotiation: No Supported FEC modes: None Advertised link modes: Not reported Advertised pause frame use: No Advertised auto-negotiation: No Advertised FEC modes: None Speed: 10000Mb/s Duplex: Full Auto-negotiation: off Port: FIBRE PHYAD: 0 Transceiver: internal Supports Wake-on: d Wake-on: d Current message level: 0x00000007 (7) drv probe link Link detected: yes [root@RS5220 ~]# ethtool -i ens2f0np0

Test Information	3. Read the module's basic information from the NIC side

```
[root@RS5220 ~]# ethtool -m ens2f0np0
        Identifier                                : 0x0d (QSFP+)
        Extended identifier                       : 0xc0
        Extended identifier description           : 3.5W max. Power consumption
        Extended identifier description           : No CDR in TX, No CDR in RX
        Extended identifier description           : High Power Class (> 3.5 W) enabled
        Power set                                 : Off
        Power override                            : On
        Connector                                 : 0x0c (MPO Parallel Optic)
        Transceiver codes                         : 0x04 0x00 0x00 0x00 0x00 0x00 0x00 0x00
        Transceiver type                          : 40G Ethernet: 40G Base-SR4
        Encoding                                  : 0x05 (64B/66B)
        BR, Nominal                               : 10300Mbps
        Rate identifier                           : 0x00
        Length (SMF,km)                           : 0km
        Length (OM3 50um)                         : 100m
        Length (OM2 50um)                         : 0m
        Length (OM1 62.5um)                       : 0m
        Length (Copper or Active cable)           : 75m
        Transmitter technology                    : 0x00 (850 nm VCSEL)
        Laser wavelength                          : 850.000nm
        Laser wavelength tolerance                : 10.000nm
        Vendor name                               : FS
        Vendor OUI                                : 00:1b:21
        Vendor PN                                 : QSFP-SR4-40G
        Vendor rev                                : A
        Vendor SN                                 : A2207310037
        Date code                                 : 220731
        Revision Compliance                       : Revision not specified
        Tx fault                                  : None
        Module temperature                        : 31.86 degrees C / 89.35 degrees F
        Module voltage                            : 3.2850 V
        Alarm/warning flags implemented           : Yes
        Laser tx bias current (Channel 1)         : 6.406 mA
        Laser tx bias current (Channel 2)         : 6.400 mA
        Laser tx bias current (Channel 3)         : 6.392 mA
        Laser tx bias current (Channel 4)         : 6.386 mA
        Transmit avg optical power (Channel 1)    : 0.8217 mW / -0.85 dBm
        Transmit avg optical power (Channel 2)    : 0.8142 mW / -0.89 dBm
        Transmit avg optical power (Channel 3)    : 0.8369 mW / -0.77 dBm
        Transmit avg optical power (Channel 4)    : 0.8408 mW / -0.75 dBm
        Rcvr signal avg optical power(Channel 1)  : 1.0890 mW / 0.37 dBm
        Rcvr signal avg optical power(Channel 2)  : 0.0001 mW / -40.00 dBm
        Rcvr signal avg optical power(Channel 3)  : 0.0001 mW / -40.00 dBm
        Rcvr signal avg optical power(Channel 4)  : 0.0001 mW / -40.00 dBm
        Laser bias current high alarm   (Chan 1)  : Off
        Laser bias current low alarm    (Chan 1)  : Off
        Laser bias current high warning (Chan 1)  : Off
        Laser bias current low warning  (Chan 1)  : Off
        Laser bias current high alarm   (Chan 2)  : Off
        Laser bias current low alarm    (Chan 2)  : Off
        Laser bias current high warning (Chan 2)  : Off
        Laser bias current low warning  (Chan 2)  : Off
        Laser bias current high alarm   (Chan 3)  : Off
        Laser bias current low alarm    (Chan 3)  : Off
        Laser bias current high warning (Chan 3)  : Off
        Laser bias current low warning  (Chan 3)  : Off
        Laser bias current high alarm   (Chan 4)  : Off
        Laser bias current low alarm    (Chan 4)  : Off
        Laser bias current high warning (Chan 4)  : Off
        Laser bias current low warning  (Chan 4)  : Off
        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
        Laser tx power high alarm   (Channel 1)   : Off
        Laser tx power low alarm    (Channel 1)   : Off
        Laser tx power high warning (Channel 1)   : Off
        Laser tx power low warning  (Channel 1)   : Off
        Laser tx power high alarm   (Channel 2)   : Off
        Laser tx power low alarm    (Channel 2)   : Off
        Laser tx power high warning (Channel 2)   : Off
        Laser tx power low warning  (Channel 2)   : Off
        Laser tx power high alarm   (Channel 3)   : Off
        Laser tx power low alarm    (Channel 3)   : Off
        Laser tx power high warning (Channel 3)   : Off
        Laser tx power low warning  (Channel 3)   : Off
        Laser tx power high alarm   (Channel 4)   : Off
        Laser tx power low alarm    (Channel 4)   : Off
        Laser tx power high warning (Channel 4)   : Off
        Laser tx power low warning  (Channel 4)   : Off
        Laser rx power high alarm   (Channel 1)   : Off
        Laser rx power low alarm    (Channel 1)   : On
        Laser rx power high warning (Channel 1)   : Off
        Laser rx power low warning  (Channel 1)   : On
        Laser rx power high alarm   (Channel 2)   : Off
        Laser rx power low alarm    (Channel 2)   : On
        Laser rx power high warning (Channel 2)   : Off
        Laser rx power low warning  (Channel 2)   : On
        Laser rx power high alarm   (Channel 3)   : Off
        Laser rx power low alarm    (Channel 3)   : On
```

Test Information	[root@RS5220 ~]# ethtool -m ens2f1np1 Identifier : 0x0d (QSFP+) Extended identifier : 0xc0 Extended identifier description : 3.5W max. Power consumption Extended identifier description : No CDR in TX, No CDR in RX Extended identifier description : High Power Class (> 3.5 W) enabled Power set : Off Power override : On Connector : 0x0c (MPO Parallel Optic) Transceiver codes : 0x04 0x00 0x00 0x00 0x00 0x00 0x00 0x00 Transceiver type : 40G Ethernet: 40G Base-SR4 Encoding : 0x05 (64B/66B) BR, Nominal : 10300Mbps Rate identifier : 0x00 Length (SMF,km) : 0km Length (OM3 50um) : 100m Length (OM2 50um) : 0m Length (OM1 62.5um) : 0m Length (Copper or Active cable) : 75m Transmitter technology : 0x00 (850 nm VCSEL) Laser wavelength : 850.000nm Laser wavelength tolerance : 10.000nm Vendor name : FS Vendor OUI : 00:1b:21 Vendor PN : QSFP-SR4-40G Vendor rev : A Vendor SN : A2207310036 Date code : 220731 Revision Compliance : Revision not specified Tx fault : None Module temperature : 32.69 degrees C / 90.84 degrees F Module voltage : 3.3390 V Alarm/warning flags implemented : Yes Laser tx bias current (Channel 1) : 6.500 mA Laser tx bias current (Channel 2) : 6.492 mA Laser tx bias current (Channel 3) : 6.486 mA Laser tx bias current (Channel 4) : 6.512 mA Transmit avg optical power (Channel 1) : 0.8511 mW / -0.70 dBm Transmit avg optical power (Channel 2) : 0.8511 mW / -0.70 dBm Transmit avg optical power (Channel 3) : 0.8201 mW / -0.86 dBm Transmit avg optical power (Channel 4) : 0.7961 mW / -0.99 dBm Rcvr signal avg optical power(Channel 1) : 1.0722 mW / 0.30 dBm Rcvr signal avg optical power(Channel 2) : 0.0001 mW / -40.00 dBm Rcvr signal avg optical power(Channel 3) : 0.0001 mW / -40.00 dBm Rcvr signal avg optical power(Channel 4) : 0.0001 mW / -40.00 dBm Laser bias current high alarm (Chan 1) : Off Laser bias current low alarm (Chan 1) : Off Laser bias current high warning (Chan 1) : Off Laser bias current low warning (Chan 1) : Off Laser bias current high alarm (Chan 2) : Off Laser bias current low alarm (Chan 2) : Off Laser bias current high warning (Chan 2) : Off Laser bias current low warning (Chan 2) : Off Laser bias current high alarm (Chan 3) : Off Laser bias current low alarm (Chan 3) : Off Laser bias current high warning (Chan 3) : Off Laser bias current low warning (Chan 3) : Off Laser bias current high alarm (Chan 4) : Off Laser bias current low alarm (Chan 4) : Off Laser bias current high warning (Chan 4) : Off Laser bias current low warning (Chan 4) : Off 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 Laser tx power high alarm (Channel 1) : Off Laser tx power low alarm (Channel 1) : Off Laser tx power high warning (Channel 1) : Off Laser tx power low warning (Channel 1) : Off Laser tx power high alarm (Channel 2) : Off Laser tx power low alarm (Channel 2) : Off Laser tx power high warning (Channel 2) : Off Laser tx power low warning (Channel 2) : Off Laser tx power high alarm (Channel 3) : Off Laser tx power low alarm (Channel 3) : Off Laser tx power high warning (Channel 3) : Off Laser tx power low warning (Channel 3) : Off Laser tx power high alarm (Channel 4) : Off Laser tx power low alarm (Channel 4) : Off Laser tx power high warning (Channel 4) : Off Laser tx power low warning (Channel 4) : Off Laser rx power high alarm (Channel 1) : Off Laser rx power low alarm (Channel 1) : Off Laser rx power high warning (Channel 1) : Off Laser rx power low warning (Channel 1) : Off Laser rx power high alarm (Channel 2) : Off Laser rx power low alarm (Channel 2) : On Laser rx power high warning (Channel 2) : Off Laser rx power low warning (Channel 2) : On Laser rx power high alarm (Channel 3) : Off Laser rx power low alarm (Channel 3) : On Laser rx power high warning (Channel 3) : Off Laser rx power low warning (Channel 3) : On

Test Information	4. Read the DDM information of the module

```
root@qfx5220-32cd> show interfaces diagnostics optics
Physical interface: et-0/0/0
    Module temperature                  : 24 degrees C / 75 degrees F
    Module voltage                      : 3.424 V
    Module max power                    : 1.5 W
    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  : 75 degrees C / 167 degrees F
    Module temperature low alarm threshold   : -5 degrees C / 23 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      : 3.63 V
    Module voltage low alarm threshold       : 2.97 V
    Module voltage high warning threshold    : 3.464 V
    Module voltage low warning threshold     : 3.134 V
    Laser bias current high alarm threshold  : 13 mA
    Laser bias current low alarm threshold   : 0.5 mA
    Laser bias current high warning threshold : 12 mA
    Laser bias current low warning threshold  : 1 mA
    Laser output power high alarm threshold  : 1.995 mW / 3.00 dBm
    Laser output power low alarm threshold   : 0.112 mW / -9.50 dBm
    Laser output power high warning threshold : 1.584 mW / 2.00 dBm
    Laser output power low warning threshold  : 0.177 mW / -7.50 dBm
    Laser rx power high alarm threshold      : 2.187 mW / 3.40 dBm
    Laser rx power low alarm threshold       : 0.038 mW / -14.10 dBm
    Laser rx power high warning threshold    : 1.737 mW / 2.39 dBm
    Laser rx power low warning threshold     : 0.077 mW / -11.10 dBm
    Laser temperature high alarm threshold   : 75 degrees C / 167 degrees F
    Laser temperature low alarm threshold    : -5 degrees C / 23 degrees F
    Laser temperature high warning threshold : 70 degrees C / 158 degrees F
    Laser temperature low warning threshold  : 0 degrees C / 32 degrees F
  Lane 0
    Laser bias current                  : 6.518 mA
    Laser output power                  : 0.851 mW / -0.69 dBm
    Laser temperature                   : 24 degrees C / 75 degrees F
    Laser receiver power                : 1.169 mW / 0.67 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 temperature high alarm        : Off
    Laser temperature low alarm         : Off
    Laser temperature high warning      : Off
    Laser temperature 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
    Laser output power high alarm       : Off
    Laser output power low alarm        : Off
    Laser output power high warning     : Off
    Laser output power low warning      : Off
    Tx loss of signal functionality alarm  : Off
    Rx loss of signal alarm             : Off
    Tx laser disabled alarm             : Off
  Lane 1
    Laser bias current                  : 6.512 mA
    Laser output power                  : 0.851 mW / -0.69 dBm
    Laser temperature                   : 24 degrees C / 75 degrees F
    Laser receiver power                : 1.187 mW / 0.74 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 temperature high alarm        : Off
    Laser temperature low alarm         : Off
    Laser temperature high warning      : Off
    Laser temperature 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
    Laser output power high alarm       : Off
    Laser output power low alarm        : Off
    Laser output power high warning     : Off
    Laser output power low warning      : Off
    Tx loss of signal functionality alarm  : Off
    Rx loss of signal alarm             : Off
    Tx laser disabled alarm             : Off
  Lane 2
    Laser bias current                  : 6.504 mA
    Laser output power                  : 0.82 mW / -0.86 dBm
    Laser temperature                   : 24 degrees C / 75 degrees F
    Laser receiver power                : 1.202 mW / 0.80 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 temperature high alarm        : Off
    Laser temperature low alarm         : Off
    Laser temperature high warning      : Off
    Laser temperature 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
    Laser output power high alarm       : Off
    Laser output power low alarm        : Off
    Laser output power high warning     : Off
    Laser output power low warning      : Off
    Tx loss of signal functionality alarm  : Off
    Rx loss of signal alarm             : Off
    Tx laser disabled alarm             : Off
  Lane 3
    Laser bias current                  : 6.498 mA
    Laser output power                  : 0.796 mW / -0.99 dBm
    Laser temperature                   : 24 degrees C / 75 degrees F
    Laser receiver power                : 1.236 mW / 0.92 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 temperature high alarm        : Off
    Laser temperature low alarm         : Off
    Laser temperature high warning      : Off
    Laser temperature 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
    Laser output power high alarm       : Off
    Laser output power low alarm        : Off
    Laser output power high warning     : Off
    Laser output 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-0/0/1 Module temperature : 24 degrees C / 75 degrees F Module voltage : 3.358 V Module max power : 1.5 W 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 : 75 degrees C / 167 degrees F Module temperature low alarm threshold : -5 degrees C / 23 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 : 3.63 V Module voltage low alarm threshold : 2.97 V Module voltage high warning threshold : 3.464 V Module voltage low warning threshold : 3.134 V Laser bias current high alarm threshold : 13 mA Laser bias current low alarm threshold : 0.5 mA Laser bias current high warning threshold : 12 mA Laser bias current low warning threshold : 1 mA Laser output power high alarm threshold : 1.995 mW / 3.00 dBm Laser output power low alarm threshold : 0.112 mW / -9.50 dBm Laser output power high warning threshold : 1.584 mW / 2.00 dBm Laser output power low warning threshold : 0.177 mW / -7.50 dBm Laser rx power high alarm threshold : 2.187 mW / 3.40 dBm Laser rx power low alarm threshold : 0.038 mW / -14.10 dBm Laser rx power high warning threshold : 1.737 mW / 2.39 dBm Laser rx power low warning threshold : 0.077 mW / -11.10 dBm Laser temperature high alarm threshold : 75 degrees C / 167 degrees F Laser temperature low alarm threshold : -5 degrees C / 23 degrees F Laser temperature high warning threshold : 70 degrees C / 158 degrees F Laser temperature low warning threshold : 0 degrees C / 32 degrees F Lane 0 Laser bias current : 6.406 mA Laser output power : 0.821 mW / -0.85 dBm Laser temperature : 24 degrees C / 75 degrees F Laser receiver power : 1.202 mW / 0.80 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 temperature high alarm : Off Laser temperature low alarm : Off Laser temperature high warning : Off Laser temperature 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 Laser output power high alarm : Off Laser output power low alarm : Off Laser output power high warning : Off Laser output power low warning : Off Tx loss of signal functionality alarm : Off Rx loss of signal alarm : Off Tx laser disabled alarm : Off Lane 1 Laser bias current : 6.4 mA Laser output power : 0.814 mW / -0.89 dBm Laser temperature : 24 degrees C / 75 degrees F Laser receiver power : 1.192 mW / 0.76 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 temperature high alarm : Off Laser temperature low alarm : Off Laser temperature high warning : Off Laser temperature 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 Laser output power high alarm : Off Laser output power low alarm : Off Laser output power high warning : Off Laser output power low warning : Off Tx loss of signal functionality alarm : Off Rx loss of signal alarm : Off Tx laser disabled alarm : Off Lane 2 Laser bias current : 6.392 mA Laser output power : 0.836 mW / -0.77 dBm Laser temperature : 24 degrees C / 75 degrees F Laser receiver power : 1.169 mW / 0.67 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 temperature high alarm : Off Laser temperature low alarm : Off Laser temperature high warning : Off Laser temperature 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 Laser output power high alarm : Off Laser output power low alarm : Off Laser output power high warning : Off Laser output power low warning : Off Tx loss of signal functionality alarm : Off Rx loss of signal alarm : Off Tx laser disabled alarm : Off Lane 3 Laser bias current : 6.386 mA Laser output power : 0.84 mW / -0.75 dBm Laser temperature : 24 degrees C / 75 degrees F Laser receiver power : 1.23 mW / 0.89 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 temperature high alarm : Off Laser temperature low alarm : Off Laser temperature high warning : Off Laser temperature 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 Laser output power high alarm : Off Laser output power low alarm : Off Laser output power high warning : Off Laser output power low warning : Off Tx loss of signal functionality alarm : Off Rx loss of signal alarm : Off Tx laser disabled alarm : Off
Test Conclusion	After completing the above test content, all the test information should be copied and pasted into a TXT document.
Remarks	