OSFPFL-800G-PCxxx

TEST REPORT

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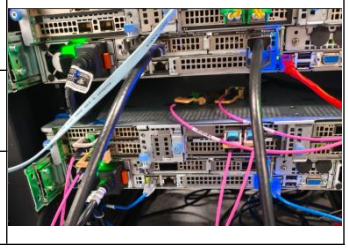
1. List of Test Items

Test Items	Test Sub-Items	Test Contents	Test Results
Test Lanes	Test Lanes	Lane0~Lane7	/
Product Photoelectric Testing	Traffic Transmission Test	Raw Physical BER	Pass
		Symbol Errors	Pass
		Link Down Counter	Pass
Adaptability Test	Brand Compatibility Test	Brand Equipment Compatibility Test	Pass
Business Network Testing	Port Speed Reduction Application	Port Speed Reduction Application Testing	Pass

2. Product Photoelectric Testing

2.1 Traffic Transmission Test

2.1.1 Test Introduction

Device Type	Brands	Test Items	Test Results	Testing Environment
Traffic Tester	NVIDIA	Raw Physical BER	Pass	
		Symbol Errors	Pass	
		Link Down Counter	Pass	

2.1.2 Test Procedures

Steps	Summary of Test Steps
1	Configure a traffic tester and generate data streams through optical modules.
2	Measure the forward error correction pre-error rate and frame loss rate of each channel in the test environment.
3	Verify whether the results meet the specification requirements.

2.1.3 Test Results

Table 2-1: Traffic Transmission Test Results

No.	Raw Physical BER	Symbol Errors	Link Down Counter
SN 1	2.00E-10	0	0
SN 2	1.00E-10	0	0

3. Brand Compatibility Test

3.1 Brand Compatibility Test

3.1.1 Test Introduction

Device Type	Brands	Test Items	Test Results	Testing Environment
Switches\NICs	NVIDIA	Brand Equipment Compatibility Test	Pass	

3.1.2 Test Procedures

Steps	Summary of Test Steps
1	Insert the optical module into the switch\network card port.
2	Verify the connection status, alarm information, type information and DDM information.
3	Ensure compatibility with the device software version.

3.1.3 Test Results

Table 3-1: Brand Compatibility Test Results

Equipment Brand	Device Version	Software Version of The Equipment	Warning Message	Connectivity	Type Information
NVIDIA ETH	MCX75310AAS-NEAT	28.43.1014	No Warning	Link Up	IB NDR
NVIDIA IB	MCX75310AAS-NEAT	28.43.1014	No Warning	Link Up	IB NDR

4. Business Network Testing

4.1 Port Speed Reduction Application

4.1.1 Test Introduction

Device Type	Brands	Test Items	Test Results	Testing Environment
Switches\NICs	NVIDIA	Port Speed Reduction Application	Pass	

4.1.2 Test Procedures

Steps	Summary of Test Steps
1	Configure the switch to operate in the speed reduction mode (e.g., 400G IB&ETH、200G IB&ETH).
2	Use test equipment to verify the running information, port module information, and information such as port count/ bit error rate.
3	Take screenshots to record the output results of the tool.

4.1.3 Test Results

Table 4-1: Port Speed Reduction Application Testing

Split Mode	Test Equipment	Tool and Device Info	Operational Info	Supported Info	Physical Counters and BER Info
400G IB	NVIDIA MCX75310AAS-NEAT	Tool Information ---------------- Firmware Version : 28.43.2026 amBER Version : 3.3 MFT Version : mft 4.29.0-131	Operational Info ---------------- State : Active Physical state : LinkUp Speed : IB-NDR Width : 4x FEC : N/A Loopback Mode : No Loopback Auto Negotiation : ON	Supported Info ---------------- Enabled Link Speed : 0x000000f1 (NDR,HDR,EDR,FDR,SDR Supported Cable Speed : 0x000000f1 (NDR,HDR,EDR,FDR,S	Physical Counters and BER Info ---------------------------- Time Since Last Clear [Min] : 2.3 Symbol Errors : 0 Symbol BER : 15E-255 Effective Physical Errors : 0 Effective Physical BER : 15E-255 Raw Physical Errors Per Lane : 3283,5909,2134,929 Raw Physical BER : 2E-10 Link Down Counter : 0 Link Error Recovery Counter : 0
400G ETH	NVIDIA MCX75310AAS-NEAT	Tool Information ---------------- Firmware Version : 28.43.1014 amBER Version : 3.3 MFT Version : mft 4.29.0-131	Operational Info ---------------- State : Active Physical state : LinkUp Speed : 200G Width : 2x FEC : Standard_RS-FEC - (544,514) Loopback Mode : No Loopback Auto Negotiation : ON	[illegible]	Physical Counters and BER Info ---------------------------- Time Since Last Clear [Min] : 10.0 Effective Physical Errors : 0 Effective Physical BER : 15E-255 Raw Physical Errors Per Lane : 8080,29126 Link Down Counter : 0 Link Error Recovery Counter : 0 Raw Physical BER : 3E-10
200G IB	NVIDIA MCX75310AAS-NEAT	Tool Information ---------------- Firmware Version : 28.43.2026 amBER Version : 3.3 MFT Version : mft 4.29.0-131	Operational Info ---------------- State : Active Physical state : LinkUp Speed : IB-NDR Width : 4x FEC : N/A Loopback Mode : No Loopback Auto Negotiation : ON	Supported Info ---------------- Enabled Link Speed : 0x000000f1 (NDR,HDR,EDR,FDR,SDR Supported Cable Speed : 0x000000f1 (NDR,HDR,EDR,FDR,S	Physical Counters and BER Info ---------------------------- Time Since Last Clear [Min] : 4.2 Symbol Errors : 0 Symbol BER : 15E-255 Effective Physical Errors : 0 Effective Physical BER : 15E-255 Raw Physical Errors Per Lane : 6012,10746,3927,1729 Raw Physical BER : 2E-10 Link Down Counter : 0 Link Error Recovery Counter : 0
200G ETH	NVIDIA MCX75310AAS-NEAT	Tool Information ---------------- Firmware Version : 28.43.1014 amBER Version : 3.3 MFT Version : mft 4.29.0-131	Operational Info ---------------- State : Active Physical state : LinkUp Speed : 200G Width : 2x FEC : Standard_RS-FEC - (544,514) Loopback Mode : No Loopback Auto Negotiation : ON	[illegible]	Physical Counters and BER Info ---------------------------- Time Since Last Clear [Min] : 16.0 Effective Physical Errors : 0 Effective Physical BER : 15E-255 Raw Physical Errors Per Lane : 13065,46032 Link Down Counter : 0 Link Error Recovery Counter : 0 Raw Physical BER : 3E-10