

# OSFP-800G-2QPCxxx 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

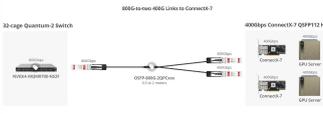
Table 2-1: Traffic Transmission Test Result

No.	Raw Physical BER	Symbol Errors	Link Down Counter
SN 1	3.00E-11	0	0
SN 2	5.00E-11	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

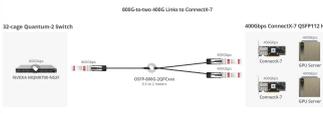
Table 3-1: Brand Compatibility Test Results

Equipment Brand	Device Version	Software Version of The Equipment	Warning Message	Connectivity	Type Information
NVIDIA	MQM9700-NS2F	31.2012.1024	No Warning	Link Up	Passive copper cable
	MCX715105AS-WEAT	28.41.1000	No Warning	Link Up	IB NDR
NVIDIA	MQM9790-NS2F	31.2012.1068	No Warning	Link Up	IB NDR
	NVIDIA MCX715105AS-WEAT	28.41.1000	No Warning	Link Up	IB NDR
NVIDIA	SN5600	Cumulus Linux 5.10.0	No Warning	Link Up	IB NDR
	MCX715105AS-WEAT	28.41.1000	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	 <p>The diagram illustrates the testing environment. It shows a 32-core Quantum3 Switch connected to a 400G Server 400G Links to Connect-7. The server is connected to a 400Gps ConnectX7 QDFP12 MCA. The server is also connected to a 400Gps ConnectX7 QDFP12 MCA. The server is connected to a 400Gps ConnectX7 QDFP12 MCA. The server is connected to a 400Gps ConnectX7 QDFP12 MCA.</p>

