

QSFP-200G-PCxxx

TEST REPORT



Contents

1. List of Test Items	3
2. Product Photoelectric Testing	3
2.1 Traffic Transmission Test	3
3. Brand Compatibility Test	4
3.1 Brand Compatibility Test	4
4. Business Network Testing	7
4.1 Port Splitting Application Test	7

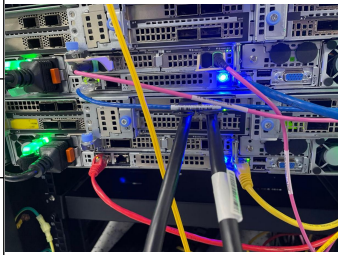
1. List of Test Items

Test Items	Test Sub-items	Test Contents	Test Results
Test Lanes	Test Lanes	Lane0~Lane3	/
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	3.00E-09	0	0
SN 2	1.00E-09	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 IB	MQM8700-HS2F	3.11.2016	No Warning	Link Up	Passive Copper, Unequalized
NVIDIA IB	MCX755106AS-HE AT	28.43.1014	No Warning	Link Up	N/A
NVIDIA IB	MCX653106A-HDA T	20.43.1014	No Warning	Link Up	N/A

NVIDIA ETH	MSN4700-WS2F	3.10.4408	No Warning	Link Up	200GBASE-CR4
NVIDIA ETH	MSN3700-VS2F	3.9.3202	No Warning	Link Up	200GBASE-CR4
NVIDIA ETH	MCX755106AS-HE AT	28.43.1014	No Warning	Link Up	50GBASE-CR, 100GBASE-CR2, or 200GBASE-CR4
NVIDIA ETH	MCX653106A-HDA T	20.43.1014	No Warning	Link Up	50GBASE-CR, 100GBASE-CR2, or 200GBASE-CR4

4. Business Network Testing

4.1 Port Splitting Application Test

4.1.1 Test Introduction

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

4.1.2 Test Procedures

Steps	Summary of Test Steps
1	Configure the switch to adopt port splitting mode (such as 200G to 200G 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.

