



FTB-880v2 Report

| BB-SPE-F-1 PORT 1 & PORT 1 |

PASS

Report Header:	EXFO Inc.
Report Title:	BB-SPE-F-1 PORT 1 & PORT 1
Report Date:	07/03/2025 15:44:06
Type:	RFC 2544

Job Information

Job ID:	
Circuit ID:	
Contractor Name:	EDITH HRITCU
Customer Name:	
Operator Name:	Unknown Operator
Comment:	BB-SPE-F-1 PORT 1 & PORT 1

Table of contents

SUMMARY 1
TEST RESULTS 7
TEST SETUP 20
FUNCTIONS 20
SYSTEM INFORMATION 22
LOGGER 25

SUMMARY

Results Summary

Test Status	
Throughput	Completed 00d:00:02:00
Back-to-Back	Completed 00d:00:01:20
Frame Loss	Completed 00d:00:02:22
Latency	Completed 00d:00:01:20
Pass/Fail Verdict	PASS
Start Time	07/03/2025 15:35:17
Test Recovery	0

RFC 2544

Pass/Fail Verdict	
Throughput	PASS
Back-to-Back	PASS
Frame Loss	PASS
Latency	PASS

Throughput (Mbit/s)						
	Layer					
	All		Ethernet		IP	
	P1->P2	P2->P1	P1->P2	P2->P1	P1->P2	P2->P1
64	1000.000	1000.000	761.904	761.904	547.619	547.619
128	1000.000	1000.000	864.864	864.864	743.243	743.243
256	1000.000	1000.000	927.536	927.536	862.318	862.318
512	1000.000	1000.000	962.406	962.406	928.571	928.571
1024	1000.000	1000.000	980.842	980.842	963.601	963.601
1280	1000.000	1000.000	984.615	984.615	970.769	970.769
1518	1000.000	1000.000	986.996	986.996	975.292	975.292

Throughput (Frame/s)		
	P1->P2	P2->P1
64	1488095.2380	1488095.2380
128	844594.5945	844594.5945
256	452898.5507	452898.5507
512	234962.4060	234962.4060
1024	119731.8007	119731.8007
1280	96153.8461	96153.8461
1518	81274.3823	81274.3823

Back-to-Back (Mbit/s)						
Layer						
	All		Ethernet		IP	
	P1->P2	P2->P1	P1->P2	P2->P1	P1->P2	P2->P1
64	1000.000	1000.000	761.904	761.904	547.619	547.619
128	1000.000	1000.000	864.864	864.864	743.243	743.243
256	1000.000	1000.000	927.536	927.536	862.318	862.318
512	1000.000	1000.000	962.406	962.406	928.571	928.571
1024	1000.000	1000.000	980.842	980.842	963.601	963.601
1280	1000.000	1000.000	984.615	984.615	970.769	970.769
1518	1000.000	1000.000	986.996	986.996	975.292	975.292

Back-to-Back (f/burst)		
	P1->P2	P2->P1
64	1488096	1488096
128	844595	844595
256	452899	452899
512	234963	234963
1024	119732	119732
1280	96154	96154
1518	81275	81275

	Frame Loss (%)		One-Way Latency (ms, Cut Through Mode)	
	(100.0000 % Step)	(100.0000 % Step)		
	P1->P2	P2->P1	P1->P2	P2->P1
64	0.000	0.000	0.00730	0.00725
128	0.000	0.000	0.00731	0.00724
256	0.000	0.000	0.00726	0.00724
512	0.000	0.000	0.00726	0.00724
1024	0.000	0.000	0.00723	0.00724
1280	0.000	0.000	0.00733	0.00725
1518	0.000	0.000	0.00723	0.00724

RX Frequency	Port 1	
	Max Negative Offset	Max Positive Offset
Frequency Offset (ppm)	0.0	0.0

Alarms/Errors

Alarms/Errors List	
Port 1 Active/Historical Alarms/Errors	None
Port 2 Active/Historical Alarms/Errors	None

Interface	Port 1	Port 2
Alarms	Seconds	Seconds
Frequency	0	N/A

Clock Sync	Port 1	Port 2
Alarms	Seconds	Seconds
LOC	0	0

Ethernet	Port 1	Port 2
Alarms	Seconds	Seconds
Link Down	0	0

Errors	Seconds	Count	Rate	Seconds	Count	Rate
Symbol	0	0	0.00E00	0	0	0.00E00
False Carrier	0	0	0.00E00	0	0	0.00E00
Idle	0	0	0.00E00	0	0	0.00E00
FCS	0	0	0.00E00	0	0	0.00E00
Jabber	0	0	0.00E00	0	0	0.00E00
Oversize	Disabled			Disabled		
Runt	0	0	0.00E00	0	0	0.00E00
Undersize	0	0	0.00E00	0	0	0.00E00
Total		0			0	

IP/UDP	Port 1			Port 2		
Errors	Seconds	Count	Rate	Seconds	Count	Rate
IP Checksum	0	0	0.00E00	0	0	0.00E00
UDP Checksum	0	0	0.00E00	0	0	0.00E00
Total		0			0	

Setup Summary

Application Type	RFC 2544
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Topology	Dual Port
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Interface	Port 1	Port 2
Interface/Rate	BASE-T Electrical	BASE-T Electrical
Connector	RJ45	SFP+ (RJ45)

Port 1

Auto-Negotiation	Enabled
Speed	--
Duplex	--
Flow Control	None
Local Clock	--

Port 2

Auto-Negotiation	Enabled
Speed	--
Duplex	--
Flow Control	None
Local Clock	--

Port 1 Framing: MAC/IP/UDP

IP Version	IPv4
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	MAC	IP Address	UDP Port
Source	00:03:01:11:98:F9	10.10.152.249 / 255.255.0.0	49184
Destination	00:03:01:11:98:FA	10.10.152.250	7

EtherType	0x0800
Automatic IP (DHCP)	Disabled
TTL	128
TOS	0x00
Default Gateway	Disabled

Port 2 Framing: MAC/IP/UDP

IP Version	IPv4
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	MAC	IP Address	UDP Port
Source	00:03:01:11:98:FA	10.10.152.250 / 255.255.0.0	49184
Destination	00:03:01:11:98:F9	10.10.152.249	7

EtherType	0x0800
Automatic IP (DHCP)	Disabled
TTL	128
TOS	0x00
Default Gateway	Disabled

RFC 2544

Frame Size Distribution (Bytes)				
64	128	256	512	1024
1280	1518			

Enabled Subtests			
Throughput	Max. Rate (%)		Accuracy (%)
	P1->P2	P2->P1	1.00
	100.0000	100.0000	
	Threshold (%)		
P1->P2	P2->P1		
	100.0	100.0	
Back-to-Back	Burst Time (MM:SS)		Accuracy (Frames)
	00:01		1
	Threshold (%)		
	P1->P2	P2->P1	
	100.0	100.0	
Frame Loss	Max. Rate (%)		Granularity (%)
	P1->P2	P2->P1	10
	100.0000	100.0000	
	Threshold (%)		
P1->P2	P2->P1		
	0.1	0.1	
Latency	P1->P2		P2->P1
	Max. Rate (%)		Max. Rate (%)
	100.0000		100.0000
	Threshold (ms)		
P1->P2		P2->P1	
125.00000		125.00000	

TEST RESULTS

Port 1 Ethernet Traffic

Frame Type	TX Count	RX Count
Multicast	0	0
Broadcast	42	42
Unicast	19574540	19574540
Non-Unicast	42	42
Total	19574582	19574582

Frame Size (Bytes)	RX Count	%
< 64	0	0.0
64	8779846	44.8
65 - 127	0	0.0
128 - 255	4983110	25.4
256 - 511	2672104	13.6
512 - 1023	1386277	7.0
1024 - 1518	1753245	8.9
> 1518	0	0.0
Total	19574582	

Port 2 Ethernet Traffic

Frame Type	TX Count	RX Count
Multicast	0	0
Broadcast	42	42
Unicast	19574540	19574540
Non-Unicast	42	42
Total	19574582	19574582

Frame Size (Bytes)	RX Count	%
< 64	0	0.0
64	8779846	44.8
65 - 127	0	0.0
128 - 255	4983110	25.4
256 - 511	2672104	13.6
512 - 1023	1386277	7.0
1024 - 1518	1753245	8.9
> 1518	0	0.0
Total	19574582	

Port 1 Flow Control Monitoring

Frame Count	
Pause Frames	0
Abort Frames	0
Frames RX	0
Frames TX	0

Pause Time (Quanta)	
Total Pause Time	
Last Pause Time	
Minimum Pause Time	
Maximum Pause Time	

Port 2 Flow Control Monitoring

Frame Count	
Pause Frames	0
Abort Frames	0
Frames RX	0
Frames TX	0

Pause Time (Quanta)	
Total Pause Time	
Last Pause Time	
Minimum Pause Time	
Maximum Pause Time	

RFC 2544

Pass/Fail Verdict	
Throughput	PASS
Back-to-Back	PASS
Frame Loss	PASS
Latency	PASS

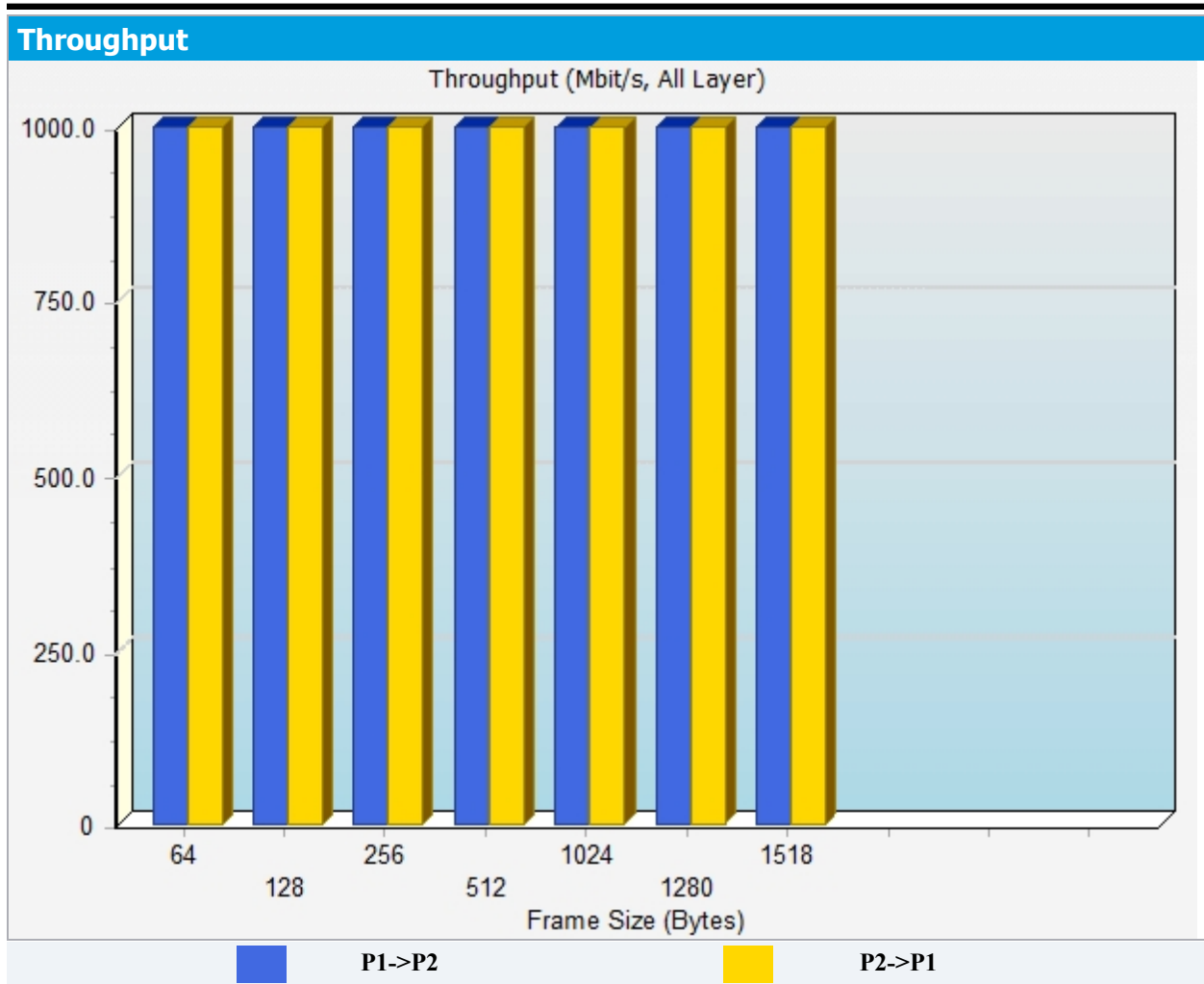
Throughput (Mbit/s)							
Layer							
		All		Ethernet		IP	
		P1->P2	P2->P1	P1->P2	P2->P1	P1->P2	P2->P1
64	Min.	1000.000	1000.000	761.904	761.904	547.619	547.619
	Max.	1000.000	1000.000	761.904	761.904	547.619	547.619
	Avg.	1000.000	1000.000	761.904	761.904	547.619	547.619
128	Min.	1000.000	1000.000	864.864	864.864	743.243	743.243
	Max.	1000.000	1000.000	864.864	864.864	743.243	743.243
	Avg.	1000.000	1000.000	864.864	864.864	743.243	743.243
256	Min.	1000.000	1000.000	927.536	927.536	862.318	862.318
	Max.	1000.000	1000.000	927.536	927.536	862.318	862.318
	Avg.	1000.000	1000.000	927.536	927.536	862.318	862.318
512	Min.	1000.000	1000.000	962.406	962.406	928.571	928.571
	Max.	1000.000	1000.000	962.406	962.406	928.571	928.571
	Avg.	1000.000	1000.000	962.406	962.406	928.571	928.571
1024	Min.	1000.000	1000.000	980.842	980.842	963.601	963.601
	Max.	1000.000	1000.000	980.842	980.842	963.601	963.601
	Avg.	1000.000	1000.000	980.842	980.842	963.601	963.601
1280	Min.	1000.000	1000.000	984.615	984.615	970.769	970.769
	Max.	1000.000	1000.000	984.615	984.615	970.769	970.769
	Avg.	1000.000	1000.000	984.615	984.615	970.769	970.769
1518	Min.	1000.000	1000.000	986.996	986.996	975.292	975.292
	Max.	1000.000	1000.000	986.996	986.996	975.292	975.292
	Avg.	1000.000	1000.000	986.996	986.996	975.292	975.292

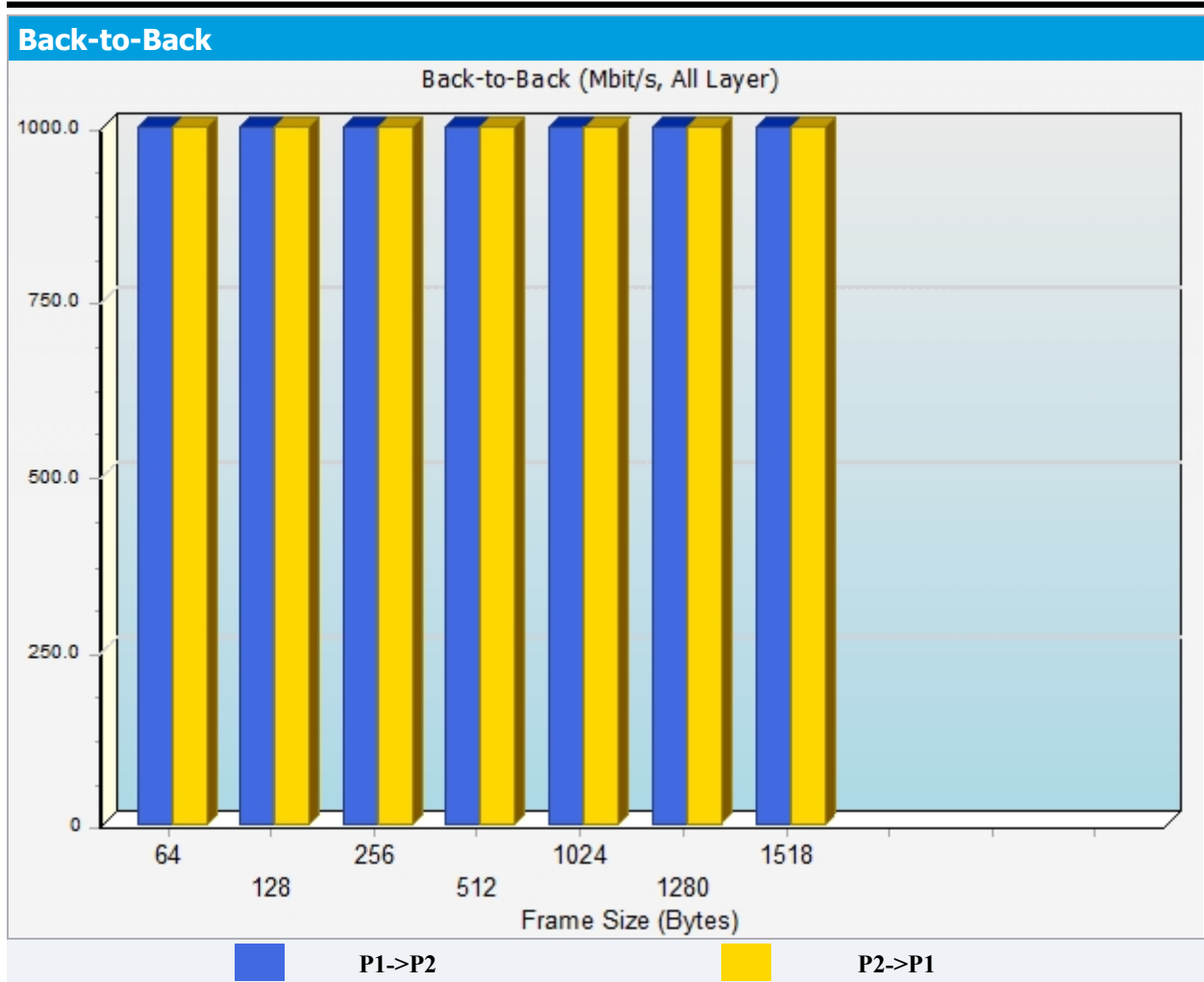
Throughput (Frame/s)			
		P1->P2	P2->P1
64	Min.	1488095.2380	1488095.2380
	Max.	1488095.2380	1488095.2380
	Avg.	1488095.2380	1488095.2380
128	Min.	844594.5945	844594.5945
	Max.	844594.5945	844594.5945
	Avg.	844594.5945	844594.5945
256	Min.	452898.5507	452898.5507
	Max.	452898.5507	452898.5507
	Avg.	452898.5507	452898.5507
512	Min.	234962.4060	234962.4060
	Max.	234962.4060	234962.4060
	Avg.	234962.4060	234962.4060
1024	Min.	119731.8007	119731.8007
	Max.	119731.8007	119731.8007
	Avg.	119731.8007	119731.8007
1280	Min.	96153.8461	96153.8461
	Max.	96153.8461	96153.8461
	Avg.	96153.8461	96153.8461
1518	Min.	81274.3823	81274.3823
	Max.	81274.3823	81274.3823
	Avg.	81274.3823	81274.3823

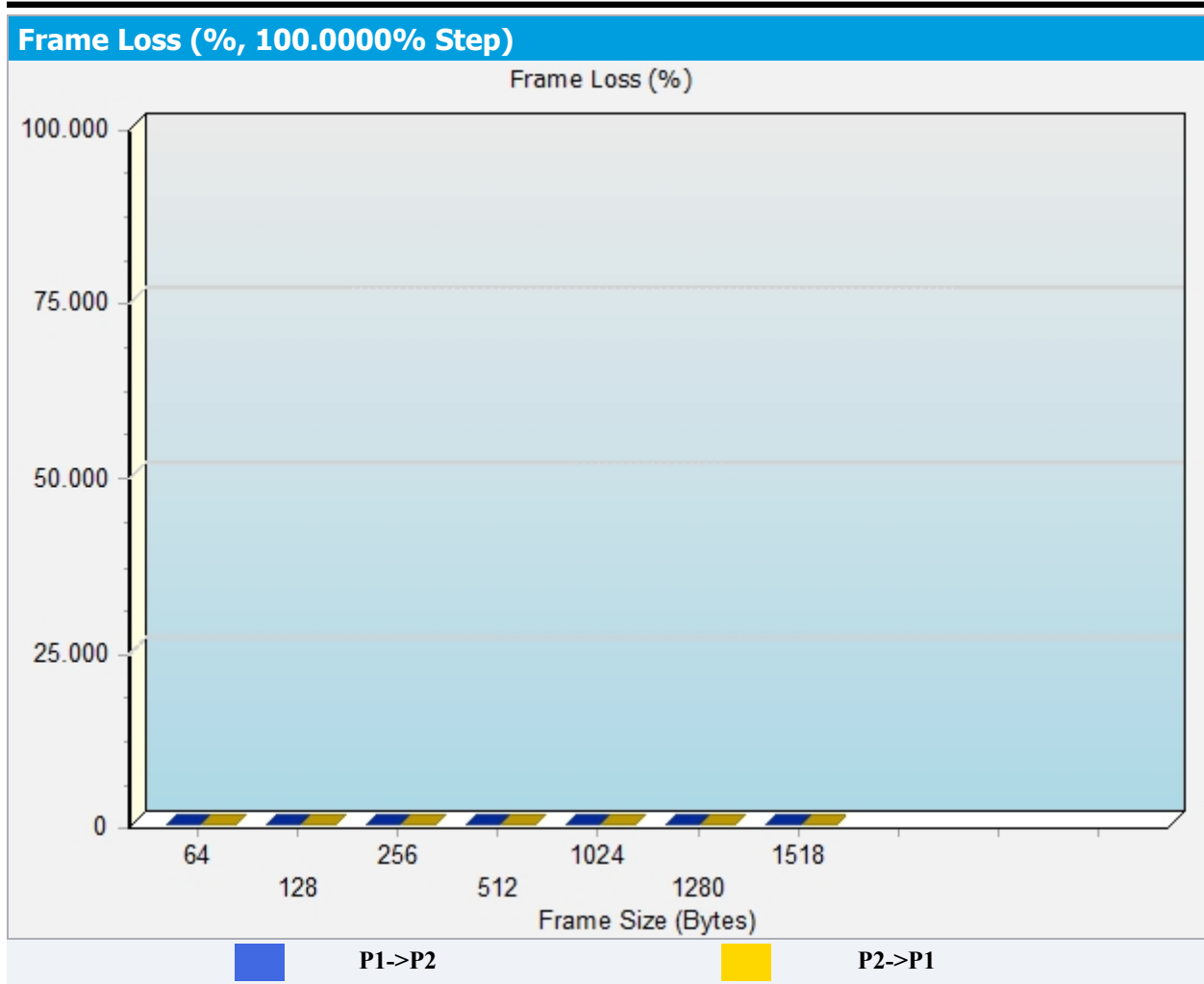
Back-to-Back (Mbit/s)							
Layer							
		All		Ethernet		IP	
		P1->P2	P2->P1	P1->P2	P2->P1	P1->P2	P2->P1
64	Min.	1000.000	1000.000	761.904	761.904	547.619	547.619
	Max.	1000.000	1000.000	761.904	761.904	547.619	547.619
	Avg.	1000.000	1000.000	761.904	761.904	547.619	547.619
128	Min.	1000.000	1000.000	864.864	864.864	743.243	743.243
	Max.	1000.000	1000.000	864.864	864.864	743.243	743.243
	Avg.	1000.000	1000.000	864.864	864.864	743.243	743.243
256	Min.	1000.000	1000.000	927.536	927.536	862.318	862.318
	Max.	1000.000	1000.000	927.536	927.536	862.318	862.318
	Avg.	1000.000	1000.000	927.536	927.536	862.318	862.318
512	Min.	1000.000	1000.000	962.406	962.406	928.571	928.571
	Max.	1000.000	1000.000	962.406	962.406	928.571	928.571
	Avg.	1000.000	1000.000	962.406	962.406	928.571	928.571
1024	Min.	1000.000	1000.000	980.842	980.842	963.601	963.601
	Max.	1000.000	1000.000	980.842	980.842	963.601	963.601
	Avg.	1000.000	1000.000	980.842	980.842	963.601	963.601
1280	Min.	1000.000	1000.000	984.615	984.615	970.769	970.769
	Max.	1000.000	1000.000	984.615	984.615	970.769	970.769
	Avg.	1000.000	1000.000	984.615	984.615	970.769	970.769
1518	Min.	1000.000	1000.000	986.996	986.996	975.292	975.292
	Max.	1000.000	1000.000	986.996	986.996	975.292	975.292
	Avg.	1000.000	1000.000	986.996	986.996	975.292	975.292
	Min.	--	--	--	--	--	--
	Max.	--	--	--	--	--	--
	Avg.	--	--	--	--	--	--

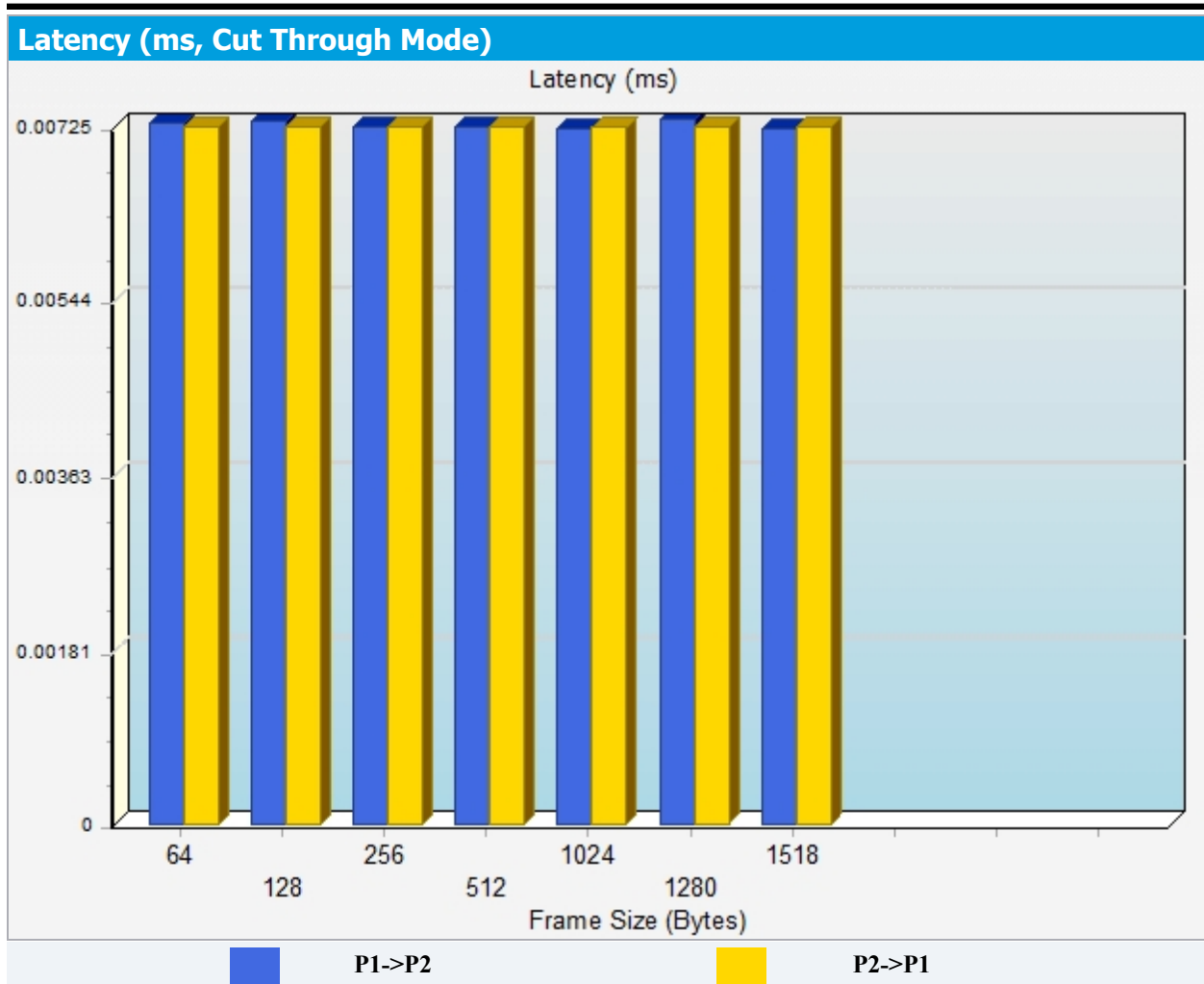
Back-to-Back (f/burst)			
		P1->P2	P2->P1
64	Min.	1488096	1488096
	Max.	1488096	1488096
	Avg.	1488096	1488096
128	Min.	844595	844595
	Max.	844595	844595
	Avg.	844595	844595
256	Min.	452899	452899
	Max.	452899	452899
	Avg.	452899	452899
512	Min.	234963	234963
	Max.	234963	234963
	Avg.	234963	234963
1024	Min.	119732	119732
	Max.	119732	119732
	Avg.	119732	119732
1280	Min.	96154	96154
	Max.	96154	96154
	Avg.	96154	96154
1518	Min.	81275	81275
	Max.	81275	81275
	Avg.	81275	81275
	Min.	--	--
	Max.	--	--
	Avg.	--	--

		Frame Loss (% , 100.000% Step)		One-Way Latency (ms, Cut Through Mode)	
		P1->P2	P2->P1	P1->P2	P2->P1
64	Min.	0.000	0.000	0.00730	0.00725
	Max.	0.000	0.000	0.00730	0.00725
	Avg.	0.000	0.000	0.00730	0.00725
128	Min.	0.000	0.000	0.00731	0.00724
	Max.	0.000	0.000	0.00731	0.00724
	Avg.	0.000	0.000	0.00731	0.00724
256	Min.	0.000	0.000	0.00726	0.00724
	Max.	0.000	0.000	0.00726	0.00724
	Avg.	0.000	0.000	0.00726	0.00724
512	Min.	0.000	0.000	0.00726	0.00724
	Max.	0.000	0.000	0.00726	0.00724
	Avg.	0.000	0.000	0.00726	0.00724
1024	Min.	0.000	0.000	0.00723	0.00724
	Max.	0.000	0.000	0.00723	0.00724
	Avg.	0.000	0.000	0.00723	0.00724
1280	Min.	0.000	0.000	0.00733	0.00725
	Max.	0.000	0.000	0.00733	0.00725
	Avg.	0.000	0.000	0.00733	0.00725
1518	Min.	0.000	0.000	0.00723	0.00724
	Max.	0.000	0.000	0.00723	0.00724
	Avg.	0.000	0.000	0.00723	0.00724
	Max.	--	--	--	--









TEST SETUP

RFC 2544

Frame Size Distribution (Bytes)				
64	128	256	512	1024
1280	1518			

Enabled Subtests							
Throughput	Max. Rate (%)		Trial Duration (MM:SS)	Trials	Accuracy (%)	Acceptable Errors	Validations
	P1->P2 100.0000	P2->P1 100.0000	00:01	1	1.00	0	1
Back-to-Back			Burst Time (MM:SS)	Trials	Accuracy (Frames)	Acceptable Errors	Bursts
			00:01	1	1	0	1
Frame Loss	Max. Rate (%)		Trial Duration (MM:SS)	Trials	Granularity (%)		
	P1->P2 100.0000	P2->P1 100.0000	00:01	1	10		
Latency	Max. Rate (%)		Trial Duration (MM:SS)	Trials			
	P1->P2 100.0000	P2->P1 100.0000	00:01	1			

FUNCTIONS

Port 1 Ping & Trace Route

Network	
Source MAC Address	00:03:01:11:98:F9
Source IP Address	10.10.152.249 (Stream 1)
Destination IP Address	0.0.0.0

Port 2 Ping & Trace Route

Network	
Source MAC Address	00:03:01:11:98:FA
Source IP Address	10.10.152.250 (Stream 1)
Destination IP Address	0.0.0.0

Port 1 Ping

Timeout (ms)	4000
Delay (ms)	1000
Data Size (Bytes)	32
TTL	128
Type Of Service (TOS)	0x00

Ping Statistics	
Packets Transmitted	--
Packets Received	--
Percentage Lost (%)	--
Minimum Round Trip Time (ms)	--
Maximum Round Trip Time (ms)	--
Average Round Trip Time (ms)	--

Port 2 Ping

Timeout (ms)	4000
Delay (ms)	1000
Data Size (Bytes)	32
TTL	128
Type Of Service (TOS)	0x00

Ping Statistics	
Packets Transmitted	--
Packets Received	--
Percentage Lost (%)	--
Minimum Round Trip Time (ms)	--
Maximum Round Trip Time (ms)	--
Average Round Trip Time (ms)	--

Port 1 Trace Route

Timeout (ms)	4000
Max Hop Count	128

Port 2 Trace Route

Timeout (ms)	4000
Max Hop Count	128

SYSTEM INFORMATION

Product Name	NetBlazer Series
Version	NetBlazer Series 2.120
Module ID	FTB-880v2
Slot ID	1
Software Product Version	2.120.0.44
	NetBlazer Series 2.120
Assembly Hardware Revision	B
Serial Number	1090805
Calibration Date	08/01/2020 14:52:00

Pluggable Module

Module ID	SFP
Vendor Name	Ubiquiti Inc.
Part Number	CM-RJ45-1G
Serial Number	AX24032808747
Hardware Revision	A1
Connector Type	RJ45 (Registered Jack)
Speed	1.228 Gbit/s, 1000Base-T
Type/Compliance Code	100.0 m (Copper)
Wavelength	
Mode	Single-Mode Fiber
Power Class	Power Class 1 Module (<= 1W max)
Power (Max)	--
Current (Max)	--
Temperature (Max)	--


Software Options

100optical	Ethernet 100Base-FX (Optical) Interface	Enabled
10G_LAN	Ethernet 10G LAN (Optical) and 10GBASE-T (Electrical) interfaces	Enabled
10G_WAN	Ethernet 10G WAN optical interface	Enabled
155M	155 Mbit/s	Disabled
1588PTP	1588 Precision Time Protocol	Disabled
2.5-5GE	Ethernet 2.5GBASE-T and 5GBASE-T (Electrical) interfaces	Disabled
2488M	2.488 Gbit/s	Disabled
52M	52 Mbit/s	Enabled
622M	622 Mbit/s	Disabled
9953M	9.953 Gbit/s	Disabled
Cable_Test	Cable Test	Disabled
CPRI	CPRI 2.4576 Gbit/s and 3.072 Gbit/s	Disabled
CPRI-1.2G	CPRI 1.2288 Gbit/s	Disabled

CPRI-10.1G	CPRI 10.1376 Gbit/s	Disabled
CPRI-4.9G	CPRI 4.9152 Gbit/s	Disabled
CPRI-6.1G	CPRI 6.144 Gbit/s	Disabled
CPRI-9.8G	CPRI 9.8304 Gbit/s	Disabled
CPRI-ALU-BBUe	Alcatel-Lucent BBUe over CPRI	Disabled
CPRI-AUTODETECT	CPRI Mapping Auto-Detect	Disabled
CPRI-Spectrum	RF Spectrum Analysis over CPRI	Disabled
DS1-FDL	DS1/1.5M Facility Data Link	Disabled
DSn	Digital Signal (DS1, DS3)	Disabled
eCPRI-10G	eCPRI over 10G Ethernet	Disabled
EoE	Ethernet over Ethernet Encapsulation (10GE and less)	Disabled
EoOTN	Ethernet over Optical Transport Network	Disabled
ETH-OAM	Carrier Ethernet OAM Test Application	Disabled
FC-10X	Fibre Channel 10X	Disabled
FC-1X	Fibre Channel 1X	Disabled
FC-2X	Fibre Channel 2X	Disabled
FC-4X	Fibre Channel 4X	Disabled
FC-8X	Fibre Channel 8X	Disabled
GCC-BERT	OTN Overhead BERT and Synchronization Validation	Disabled
GigE_Electrical	Ethernet 1000Base-T (Electrical) Interface	Enabled
GigE_Optical	Ethernet 1000Base-X (Optical) Interface	Enabled
iOptics	Intelligent Pluggable Optic Test Application	Disabled
iORF	Intelligent OpticalRF and OpticalRF	Disabled
iSAM	Intelligent Service Activation Methodology	Disabled
ISDN-PRI	Primary Rate North American and/or European ISDN	Disabled
L2-Transparency	L2CP Handling Test in EtherSAM	Disabled
LINK-OAM	Link OAM	Disabled
LLDP	LLDP Neighbor Discovery	Disabled
MPLS	MPLS Encapsulation (10GE and less)	Disabled
NI-CSU	NI/CSU Emulation	Disabled
OBSAI	OBSAI 3.072 Gbit/s	Disabled
OBSAI-1.5G	OBSAI 1.536 Gbit/s	Disabled
OBSAI-6.1G	OBSAI 6.144 Gbit/s	Disabled
ODU0	OTN ODU0	Disabled
ODUflex	OTN ODUflex	Disabled
ODUMUX	ODU Multiplexing Payload Type 20 and 21	Disabled
OTN-INTR-THRU	OTN Intrusive Through Mode	Disabled
OTU1	Optical Transport Unit-1 (2.7 Gbit/s)	Disabled
OTU2	Optical Transport Unit-2 (10.7 Gbit/s)	Disabled
OTU2-1e-2e	Optical Transport Unit-2 Overclocked (11.049/11.096 Gbit/s)	Disabled
OTU2-1f-2f	Optical Transport Unit-2 Overclocked (11.270/11.317 Gbit/s)	Disabled
PBBTE	Provider Backbone Bridge Encapsulation (10GE and less)	Disabled
PDH	Plesiochronous Digital Hierarchy (E1, E3, E4)	Disabled
PIM	Passive Intermodulation Analysis	Disabled
RFC6349	RFC 6349 Test Application (25GE and less)	Enabled
RF-PWR-MASK	Radio Frequency Power Alarming Mask	Disabled

SDH	Synchronous Digital Hierarchy	Enabled
SONET	Synchronous Optical Network	Enabled
SyncE	Synchronous Ethernet	Disabled
TCM	Tandem Connection Monitoring HO/LO	Disabled
TCP-THPUT	Tcp Throughput Test Application	Disabled
TST-OAM	Test Over Service OAM	Disabled
WANDER	Time Error/Wander Test Application	Disabled

LOGGER

ID	Start Time	Event	Duration	Details
1	03/07 15:35:17	Test Started		2025-03-07
2	03/07 15:42:20	Test Stopped		 PASS