

MAX-860 Report

FAIL

Report Header: Equicom Mérés-technikai Kft.
Report Title:
Report Date: 2018.04.20. 9:11:34
Type: RFC 2544

Job Information

Job ID: US16-150_teszt
Circuit ID: 1-2
Contractor Name:
Customer Name:
Operator Name: Ákos
Comment:

Table of contents

SUMMARY 1
TEST RESULTS 6
TEST SETUP 14
FUNCTIONS 15
SYSTEM INFORMATION 16
LOGGER 16

SUMMARY

Results Summary

Test Status	
Throughput	Completed 00d:05:16:27
Back-to-Back	Completed 00d:00:09:31
Frame Loss	Completed 00d:00:18:01
Latency	Completed 00d:00:01:37
Pass/Fail Verdict	FAIL
Start Time	2018.04.19. 16:36:44
Test Recovery	0

RFC 2544

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

Throughput (Mbit/s)						
	Layer					
	All		Ethernet		IP	
	L->R	R->L	L->R	R->L	L->R	R->L
64	994,999	994,999	758,095	758,095	544,880	544,880
128	994,999	994,999	860,540	860,540	739,526	739,526
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 (Mbit/s)						
Layer						
	All		Ethernet		IP	
	L->R	R->L	L->R	R->L	L->R	R->L
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

	Frame Loss (%)		Round-Trip Latency (ms, Cut Through Mode)
	(100,000 % Step)	(100,000 % Step)	
	L->R	R->L	
64	0,000	0,000	< 15 μ s
128	0,000	0,000	< 15 μ s
256	0,000	0,000	< 15 μ s
512	0,000	0,000	< 15 μ s
1024	0,000	0,000	0,01811
1280	0,000	0,000	0,02223
1518	0,000	0,000	0,02465

RX Frequency		
	Max Negative Offset	Max Positive Offset
Frequency Offset (ppm)	0,0	11,2

Alarms/Errors

Alarms/Errors List

Active/Historical Alarms/Errors

None

Interface

Alarms	Seconds
Frequency	0

Clock Sync

Alarm	Seconds
LOC	0

Ethernet

Alarms	Seconds
Link Down	0

Errors	Seconds	Count	Rate
Symbol	0	0	0,00E00
False Carrier	0	0	0,00E00
Idle	0	0	0,00E00
FCS	0	0	0,00E00
Jabber	0	0	0,00E00
Oversize	Disabled		
Runt	0	0	0,00E00
Undersize	0	0	0,00E00
Total		0	

IP/UDP/TCP

Errors	Seconds	Count	Rate
IP Checksum	0	0	0,00E00
UDP Checksum	0	0	0,00E00
Total		0	

Setup Summary

Application Type	RFC 2544
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Interface	Port 1
Interface/Rate	10/100/1000M Electrical
Connector	RJ45

Auto-Negotiation	Enabled
Speed	1000 Mbit/s
Duplex	Full
Flow Control	None
Local Clock	Slave

Framing: MAC/IP/UDP

IP Version	IPv4
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	MAC	IP Address	UDP Port
Source	00:03:01:11:85:01	10.10.133.1 / 255.255.0.0	49184
Destination	00:03:01:11:84:F2	10.10.133.2	7

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

RFC 2544

DTS Enabled	Enabled
Remote ID	MAX-860F2

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

Enabled Subtests			
Throughput	Max. Rate (%)		Accuracy (%)
	L->R	R->L	1,00
	100,0000	100,0000	
	Threshold (%)		
	L->R	R->L	
	100,0	100,0	
Back-to-Back	Burst Time (MM:SS)		Accuracy (Frames)
	00:05		1
	Threshold (%)		
		L->R	R->L
	100,0	100,0	
Frame Loss	Max. Rate (%)		Granularity (%)
	L->R	R->L	10
	100,0000	100,0000	
	Threshold (%)		
	L->R	R->L	
	0,1	0,1	
Latency	L->R		R->L
	Max. Rate (%)		Max. Rate (%)
	100,0000		100,0000
	Threshold (ms)		
125,0			

TEST RESULTS

Ethernet Traffic

Frame Type	TX Count	RX Count
Multicast	0	11055
Broadcast	4	10075
Unicast	12558815121	12558820295
Non-Unicast	4	21130
Total	12558815125	12558841425

Frame Size (Bytes)	RX Count	%
< 64	0	0
64	6948522976	55
65 - 127	790	0
128 - 255	3943748049	31
256 - 511	766261075	6
512 - 1023	397543472	3
1024 - 1518	502765063	4
> 1518	0	0
Total	12558841425	

Flow Control Monitoring

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

Pause Time (Quanta)	
Total Pause Time	0
Last Pause Time	0
Minimum Pause Time	0
Maximum Pause Time	0

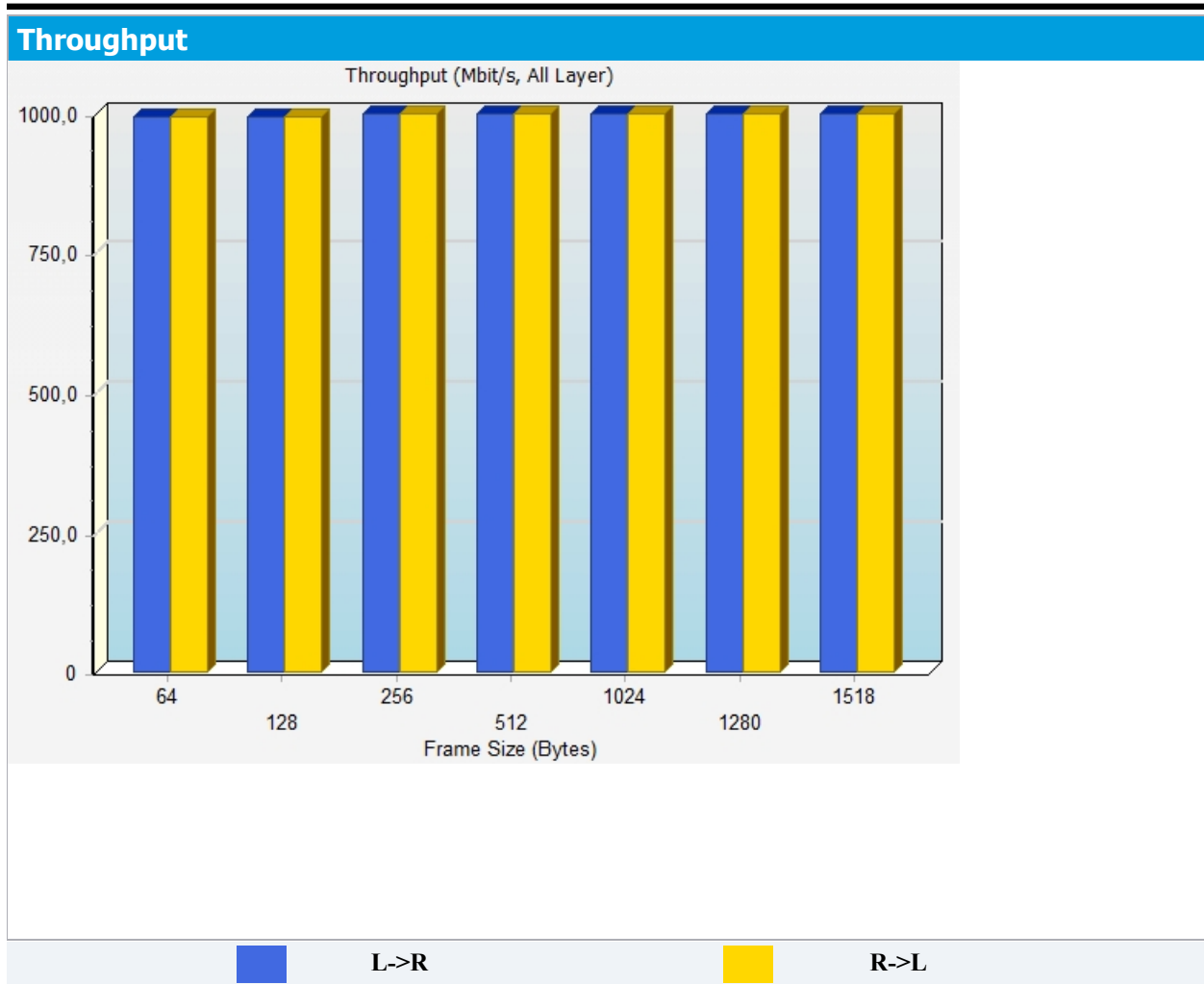
RFC 2544

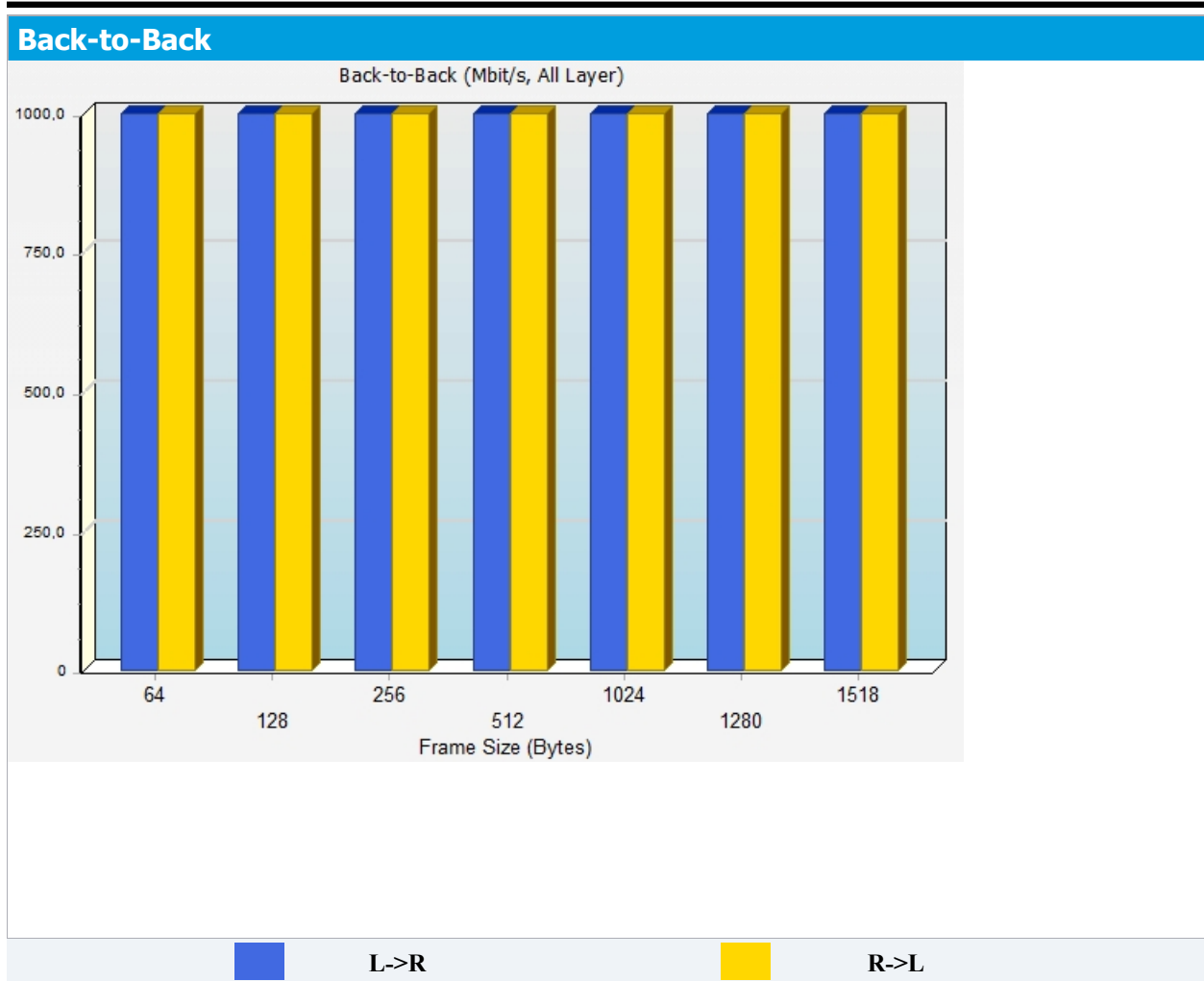
Pass/Fail Verdict	
Throughput	FAIL
Back-to-Back	PASS
Frame Loss	PASS
Latency	PASS

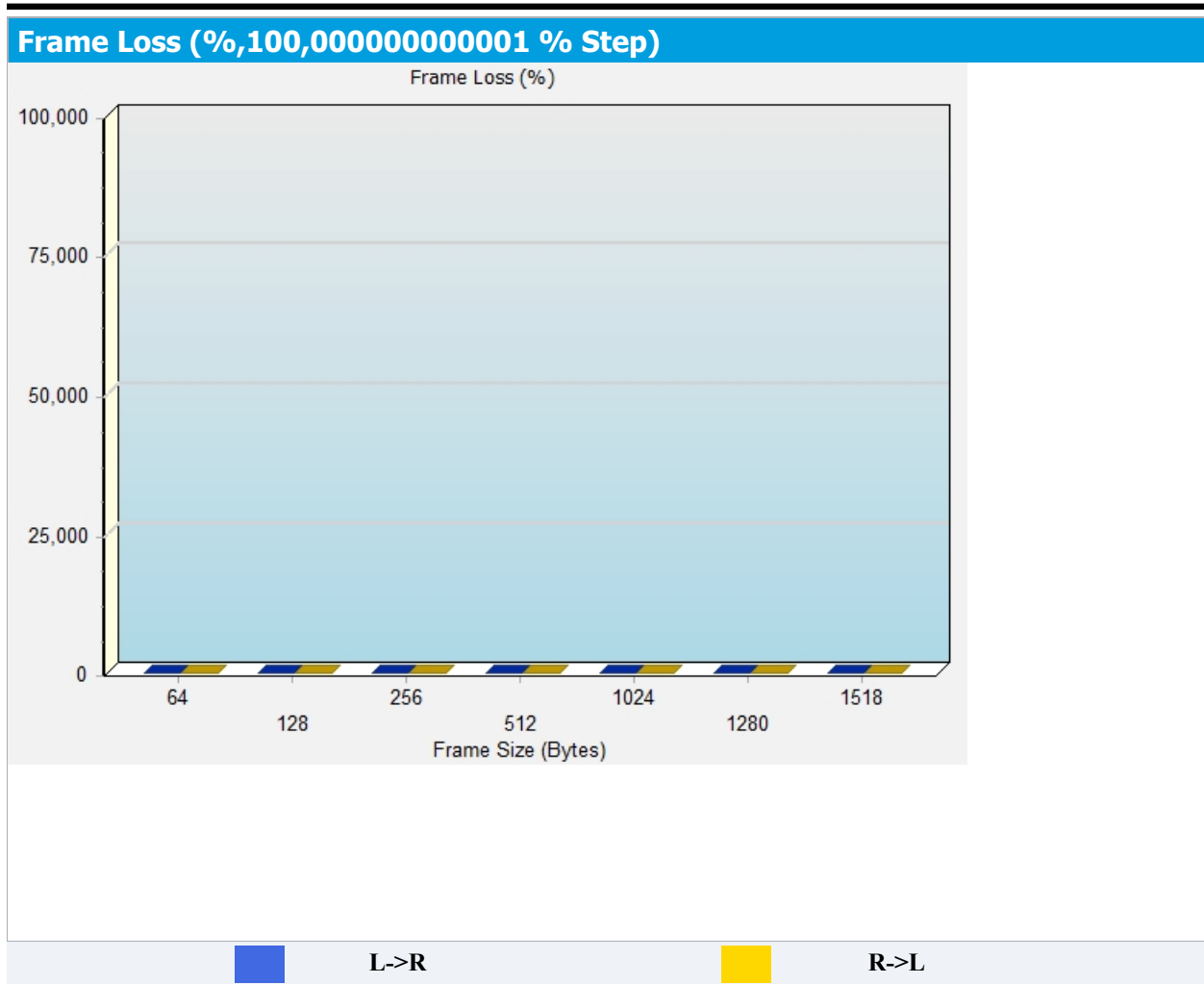
Throughput (Mbit/s)							
Layer							
		All		Ethernet		IP	
		L->R	R->L	L->R	R->L	L->R	R->L
64	Min.	994,999	994,999	758,095	758,095	544,880	544,880
	Max.	994,999	994,999	758,095	758,095	544,880	544,880
	Avg.	994,999	994,999	758,095	758,095	544,880	544,880
128	Min.	994,999	994,999	860,540	860,540	739,526	739,526
	Max.	994,999	994,999	860,540	860,540	739,526	739,526
	Avg.	994,999	994,999	860,540	860,540	739,526	739,526
256	Min.	1000,000	1000,000	927,536	927,536	862,318	862,318
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	Avg.	1000,000	1000,000	927,536	927,536	862,318	862,318
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	Avg.	1000,000	1000,000	962,406	962,406	928,571	928,571
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	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

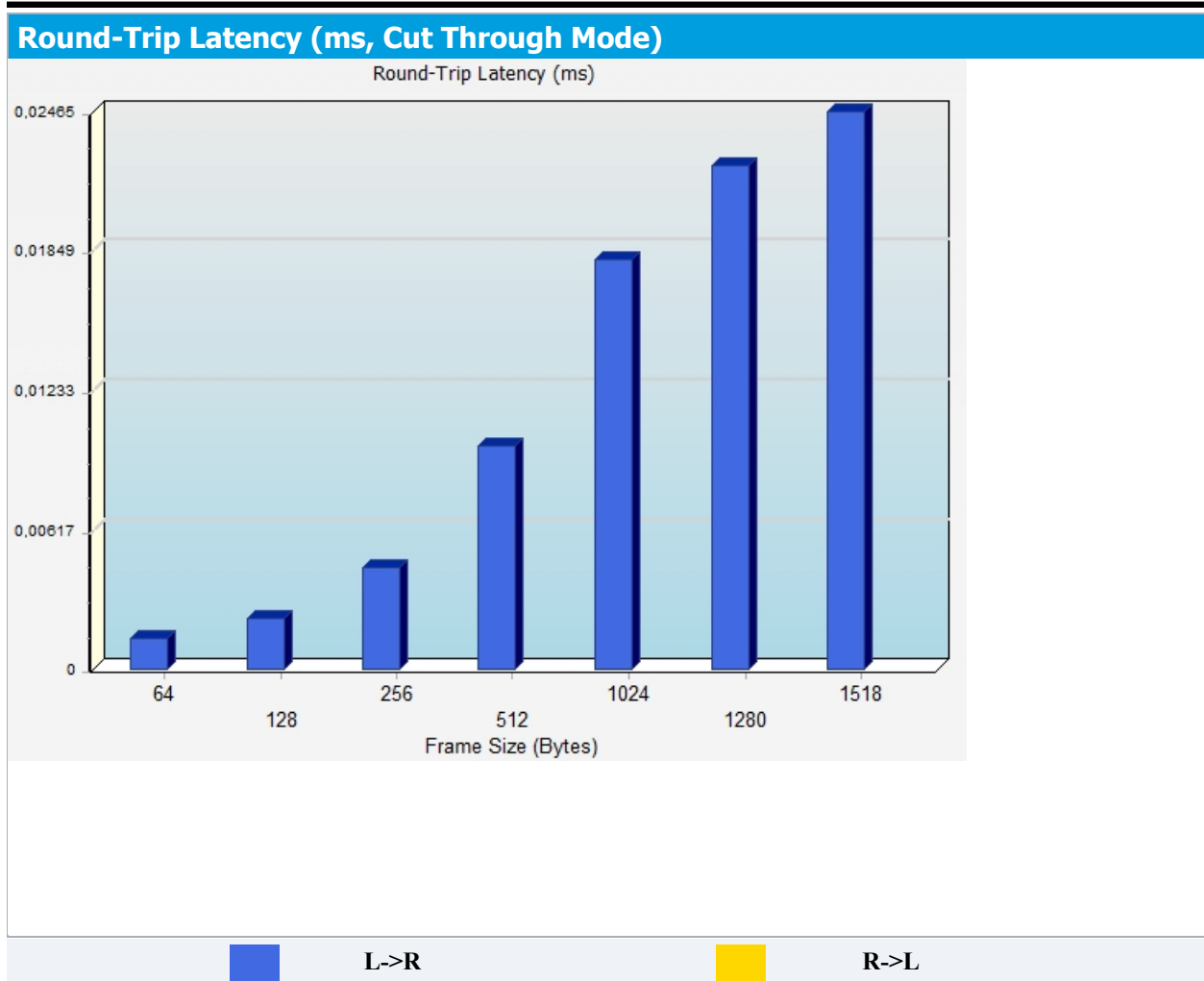
Back-to-Back (Mbit/s)							
Layer							
		All		Ethernet		IP	
		L->R	R->L	L->R	R->L	L->R	R->L
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	Max.	1000,000	1000,000	761,904	761,904	547,619	547,619
	Avg.	1000,000	1000,000	761,904	761,904	547,619	547,619
128	Min.	1000,000	1000,000	864,864	864,864	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
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	Avg.	1000,000	1000,000	927,536	927,536	862,318	862,318
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	Avg.	1000,000	1000,000	962,406	962,406	928,571	928,571
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	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
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	Avg.	1000,000	1000,000	984,615	984,615	970,769	970,769
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	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

		Frame Loss (% ,100,000 % Step)		Round-Trip Latency (ms, Cut Through Mode)
		L->R	R->L	
64	Min.	0,000	0,000	< 15 μ s
	Max.	0,000	0,000	< 15 μ s
	Avg.	0,000	0,000	< 15 μ s
128	Min.	0,000	0,000	< 15 μ s
	Max.	0,000	0,000	< 15 μ s
	Avg.	0,000	0,000	< 15 μ s
256	Min.	0,000	0,000	< 15 μ s
	Max.	0,000	0,000	< 15 μ s
	Avg.	0,000	0,000	< 15 μ s
512	Min.	0,000	0,000	< 15 μ s
	Max.	0,000	0,000	< 15 μ s
	Avg.	0,000	0,000	< 15 μ s
1024	Min.	0,000	0,000	0,01811
	Max.	0,000	0,000	0,01811
	Avg.	0,000	0,000	0,01811
1280	Min.	0,000	0,000	0,02223
	Max.	0,000	0,000	0,02223
	Avg.	0,000	0,000	0,02223
1518	Min.	0,000	0,000	0,02465
	Max.	0,000	0,000	0,02465
	Avg.	0,000	0,000	0,02465









TEST SETUP

Clock Synchronization

Clock Mode	Recovered
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RFC 2544

Frame Size Distribution (Bytes)

64	128	256	512	1024	1280	1518
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Enabled Subtests

Throughput	Max. Rate (%)		Trial Duration (MM:SS)	Trials	Accuracy (%)	Acceptable Errors	Validations
		L->R 100,0000	R->L 100,0000	05:00	5	1,00	0
Back-to-Back			Burst Time (MM:SS)	Trials	Accuracy (Frames)	Acceptable Errors	Bursts
			00:05	5	1	0	1
Frame Loss	Max. Rate (%)		Trial Duration (MM:SS)	Trials	Granularity (%)		
	L->R 100,0000	R->L 100,0000	01:01	1	10		
Latency	Max. Rate (%)		Trial Duration (MM:SS)	Trials	Latency Measurement Mode		
	L->R 99,4999 - 100,0000 (Frame Size Dependent)		00:01	1	Round-Trip		

FUNCTIONS

Ping & Trace Route

Network	
Source MAC Address	00:03:01:11:85:01
Source IP Address	10.10.133.1 (Stream 1)
Destination IP Address	0.0.0.0

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

Ping Results		
No.	Status	Reply Details
1	Successful	IP=10.10.133.2, Bytes=32, Time=0 ms, TTL=127

Ping Statistics	
Packets Transmitted	1
Packets Received	1
Percentage Lost (%)	0,0
Minimum Round Trip Time (ms)	0
Maximum Round Trip Time (ms)	0
Average Round Trip Time (ms)	0

Trace Route	
Timeout (ms)	4000
Max Hop Count	128


SYSTEM INFORMATION

Product Name	MaxTester Series
Version	MaxTester Series 1.6
Module ID	MAX-860
Slot ID	1
Software Product Version	1.6.0.104
	MaxTester Series 1.6
Assembly Hardware Revision	B
Serial Number	1072210
Calibration Date	2017.11.15. 1:48:00

Software Options

100optical	Ethernet 100Base-FX (Optical) Interface	Disabled
GigE_Optical	Ethernet 1000Base-X (Optical) Interface	Enabled
GigE_Electrical	Ethernet 1000Base-T (Electrical) Interface	Enabled
TCP-THPUT	Tcp Throughput Test Application	Disabled
ADV-FILTERS	Advanced Filtering	Disabled
MPLS	MPLS Encapsulation (10GE and less)	Disabled
IPV6	Internet Protocol Version 6 (IPv6) (10GE and less)	Disabled
ETH-THRU	Through Mode Test Application	Disabled
Cable_Test	Cable Test	Disabled
ETH-CAPTURE	Ethernet Frame Capture for Advanced Troubleshooting	Disabled
ETH-OAM	Carrier Ethernet OAM Test Application	Disabled
DUAL-PORT	Dual Port Test	Disabled
RFC6349	RFC 6349 Test Application (10GE and less)	Disabled
LINK-OAM	Link OAM	Disabled
RFC6349-EXFOWorx	Enables EXFO Worx Interop Operation Mode	Disabled

LOGGER

ID	Time	Event	Duration	Details
1	04.19 16:36:44	Test Started		2018-04-19
2	04.19 22:22:26	Test Stopped		 FAIL

RFC_2544_2018.04.20_09.08.42

