

Generated by JDSU 5800

# Enhanced RFC 2544 Test

Overall Test Result: Completed

**Throughput**



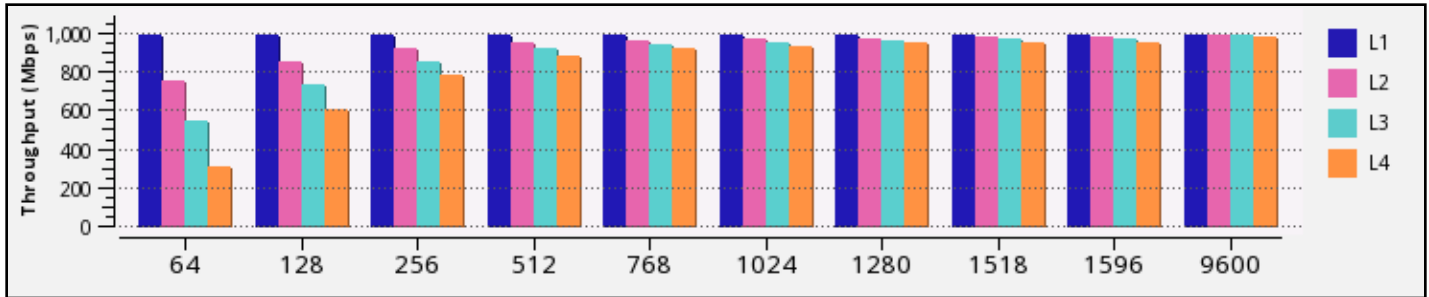
**Latency**



**Frame Loss**

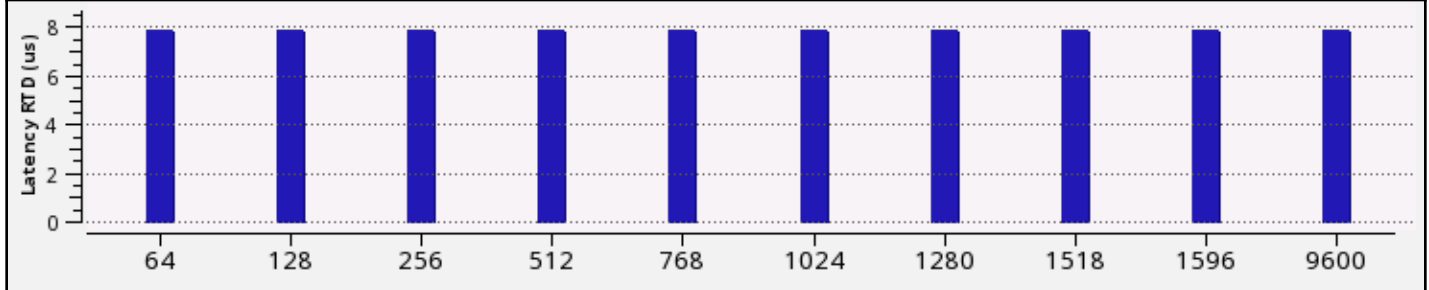


Mode	Symmetric Loopback
Tests to Run	Throughput, Latency, Frame Loss
Customer Name	Elva Low Latency
Technician ID	TWS Technologies
Test Location	
Work Order	--
Comments/Notes	--
Instrument	MTS5800V2
Serial Number	0028
SW Version	5.0
Start Date	05/05/2017
End Date	05/05/2017
Start Time	1:14:47 PM GMT
End Time	1:23:49 PM GMT



**Enhanced RFC 2544: Throughput Test Results**

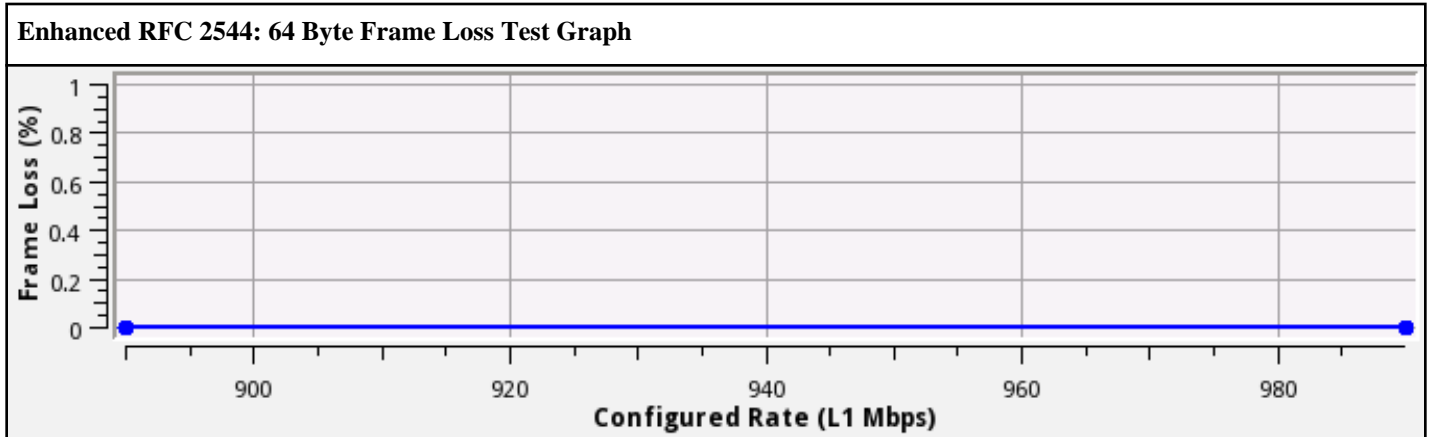
<i>Frame Length (Bytes)</i>	<i>Measured L1 Rate (Mbps)</i>	<i>Measured L2 Rate (Mbps)</i>	<i>Measured L3 Rate (Mbps)</i>	<i>Measured L4 Rate (Mbps)</i>	<i>Measured Rate (frms/sec)</i>	<i>Pause Detect</i>	<i>Cfg Rate (L1 Mbps)</i>
64	990.00	754.29	542.14	306.43	1,473,214	No	990.00
128	990.00	856.22	735.81	602.03	836,149	No	990.00
256	990.00	918.26	853.70	781.96	448,370	No	990.00
512	990.00	952.78	919.29	882.07	232,613	No	990.00
768	990.01	964.88	942.27	917.14	157,044	No	990.00
1024	990.00	971.03	953.97	935.00	118,535	No	990.00
1280	990.01	974.78	961.07	945.84	95,193	No	990.00
1518	990.00	977.13	965.54	952.67	80,462	No	990.00
1596	990.00	977.75	966.72	954.47	76,578	No	990.00
9600	990.01	987.95	986.10	984.04	12,864	No	990.00



**Enhanced RFC 2544: Latency Test Results**

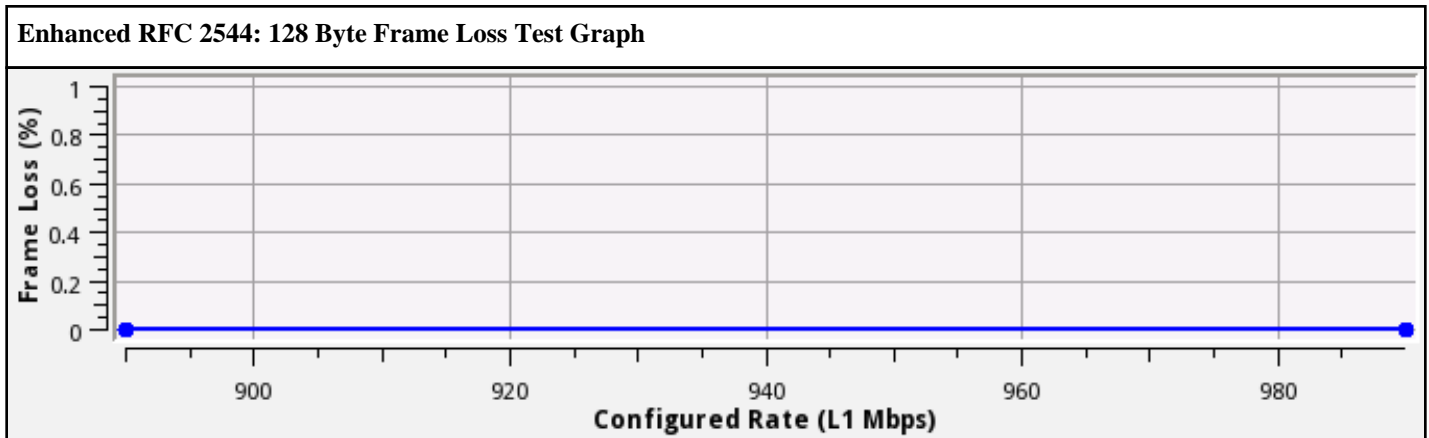
<i>Frame Length (Bytes)</i>	<i>Latency RTD (us)</i>	<i>Measured L1 Rate (Mbps)</i>	<i>Measured L1 (% Line Rate)</i>	<i>Measured Rate (frms/sec)</i>	<i>Pause Detect</i>
64	7.85	990.00	99.000	1,473,214	No
128	7.88	990.00	99.000	836,149	No
256	7.87	990.00	99.000	448,370	No
512	7.87	990.00	99.000	232,613	No

768	7.87	990.01	99.001	157,044	No
1024	7.87	990.00	99.000	118,535	No
1280	7.87	990.01	99.001	95,193	No
1518	7.87	990.00	99.000	80,462	No
1596	7.87	990.00	99.000	76,578	No
9600	7.87	990.01	99.001	12,864	No



**Enhanced RFC 2544: 64 Byte Frame Loss Test Results**

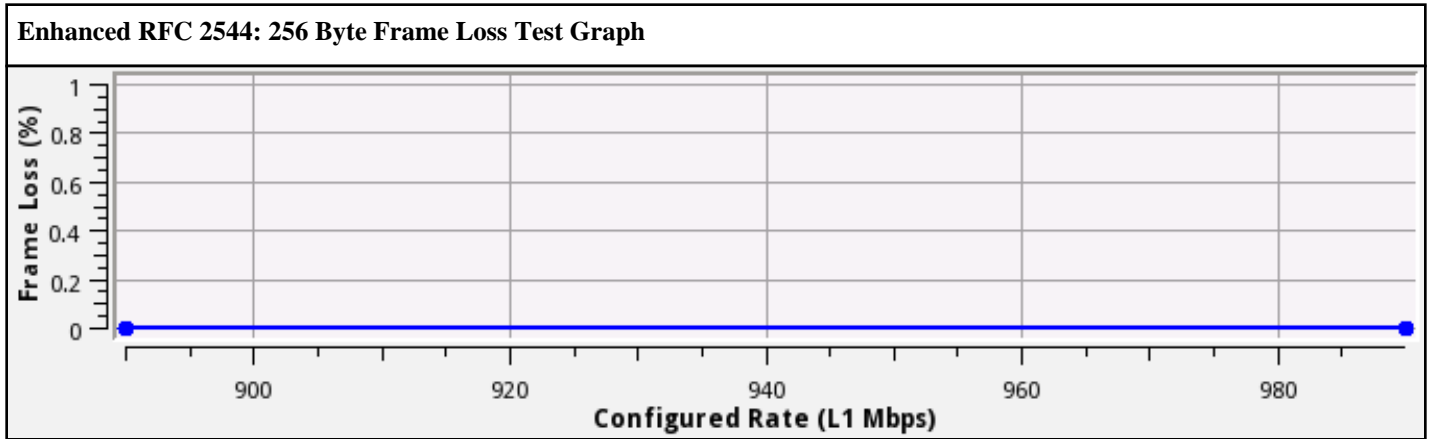
<i>Throughput Rate (L1 Mbps)</i>	<i>Frame Loss Rate (%)</i>	<i>Frames Lost</i>	<i>Pause Detect</i>	<i>Cfg Rate (L1 Mbps)</i>
990.00	0.00	0	No	990.00
890.00	0.00	0	No	890.00



**Enhanced RFC 2544: 128 Byte Frame Loss Test Results**

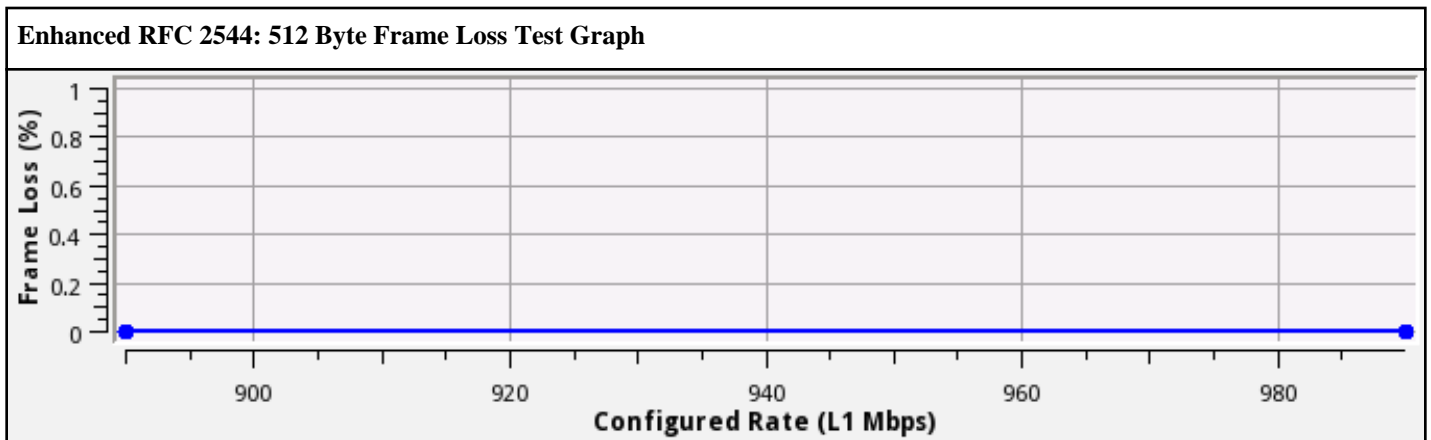
<i>Throughput Rate (L1 Mbps)</i>	<i>Frame Loss Rate (%)</i>	<i>Frames Lost</i>	<i>Pause Detect</i>	<i>Cfg Rate (L1 Mbps)</i>
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990.00	0.00	0	No	990.00
890.00	0.00	0	No	890.00



**Enhanced RFC 2544: 256 Byte Frame Loss Test Results**

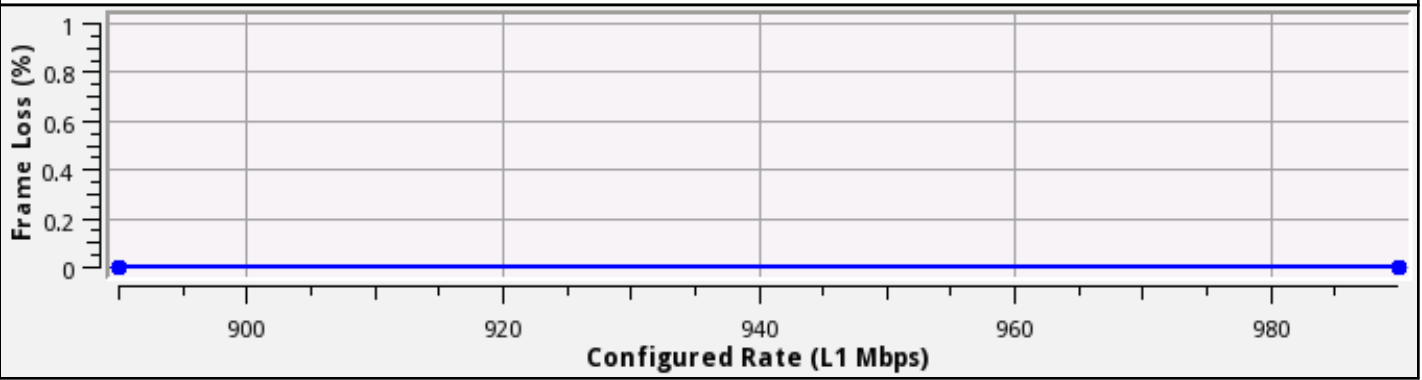
<i>Throughput Rate (L1 Mbps)</i>	<i>Frame Loss Rate (%)</i>	<i>Frames Lost</i>	<i>Pause Detect</i>	<i>Cfg Rate (L1 Mbps)</i>
990.00	0.00	0	No	990.00
890.00	0.00	0	No	890.00



**Enhanced RFC 2544: 512 Byte Frame Loss Test Results**

<i>Throughput Rate (L1 Mbps)</i>	<i>Frame Loss Rate (%)</i>	<i>Frames Lost</i>	<i>Pause Detect</i>	<i>Cfg Rate (L1 Mbps)</i>
990.00	0.00	0	No	990.00
890.00	0.00	0	No	890.00

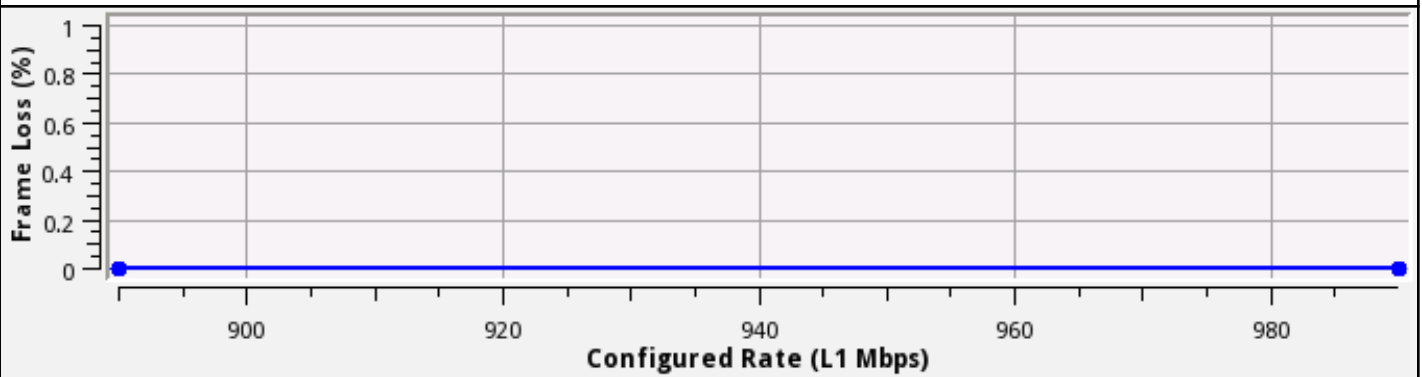
**Enhanced RFC 2544: 768 Byte Frame Loss Test Graph**



**Enhanced RFC 2544: 768 Byte Frame Loss Test Results**

<i>Throughput Rate (L1 Mbps)</i>	<i>Frame Loss Rate (%)</i>	<i>Frames Lost</i>	<i>Pause Detect</i>	<i>Cfg Rate (L1 Mbps)</i>
990.01	0.00	0	No	990.00
890.00	0.00	0	No	890.00

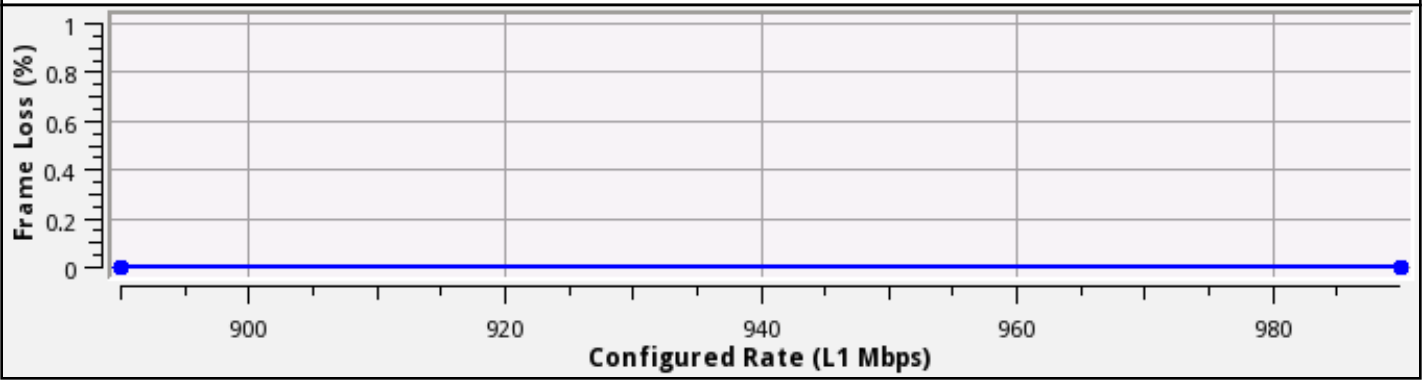
**Enhanced RFC 2544: 1024 Byte Frame Loss Test Graph**



**Enhanced RFC 2544: 1024 Byte Frame Loss Test Results**

<i>Throughput Rate (L1 Mbps)</i>	<i>Frame Loss Rate (%)</i>	<i>Frames Lost</i>	<i>Pause Detect</i>	<i>Cfg Rate (L1 Mbps)</i>
990.00	0.00	0	No	990.00
890.01	0.00	0	No	890.00

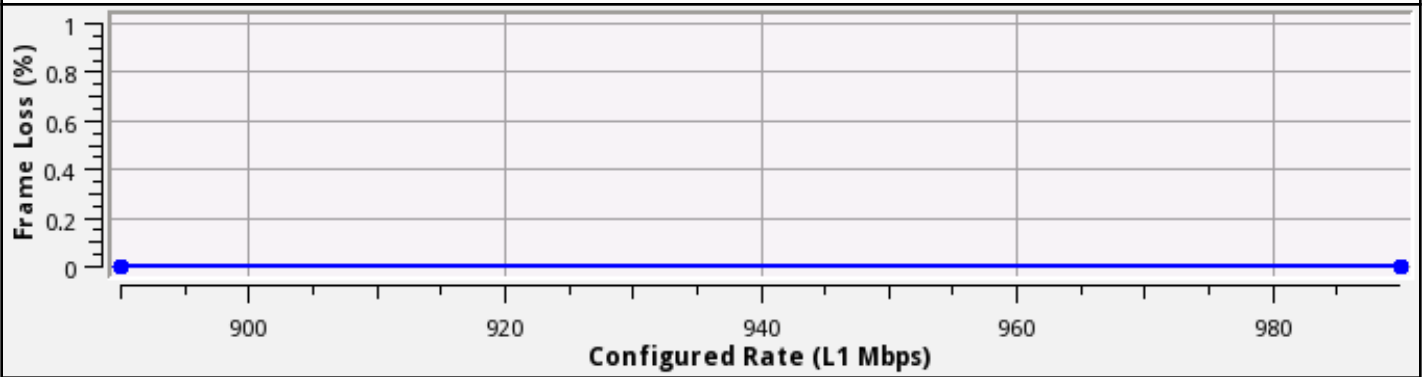
**Enhanced RFC 2544: 1280 Byte Frame Loss Test Graph**



**Enhanced RFC 2544: 1280 Byte Frame Loss Test Results**

<i>Throughput Rate (L1 Mbps)</i>	<i>Frame Loss Rate (%)</i>	<i>Frames Lost</i>	<i>Pause Detect</i>	<i>Cfg Rate (L1 Mbps)</i>
990.01	0.00	0	No	990.00
890.00	0.00	0	No	890.00

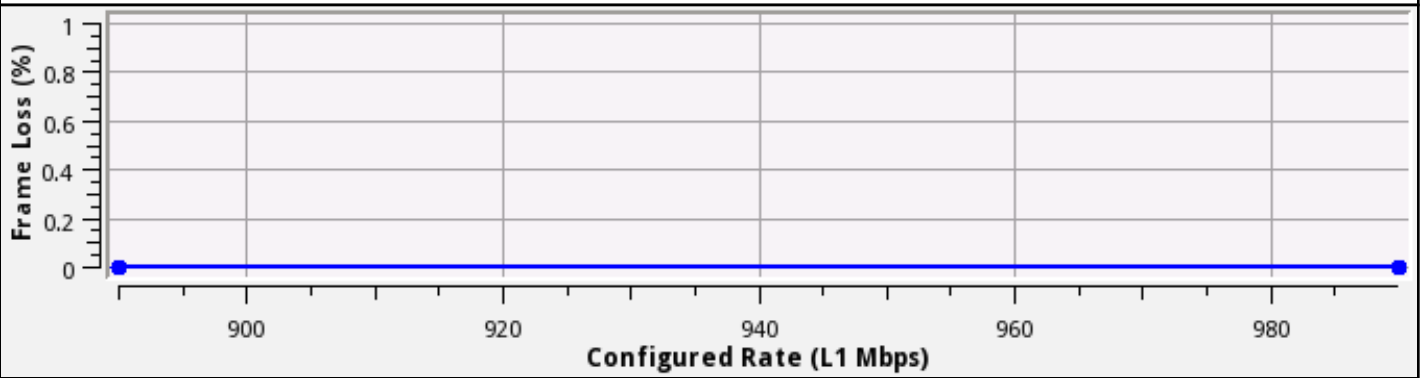
**Enhanced RFC 2544: 1518 Byte Frame Loss Test Graph**



**Enhanced RFC 2544: 1518 Byte Frame Loss Test Results**

<i>Throughput Rate (L1 Mbps)</i>	<i>Frame Loss Rate (%)</i>	<i>Frames Lost</i>	<i>Pause Detect</i>	<i>Cfg Rate (L1 Mbps)</i>
990.00	0.00	0	No	990.00
890.00	0.00	0	No	890.00

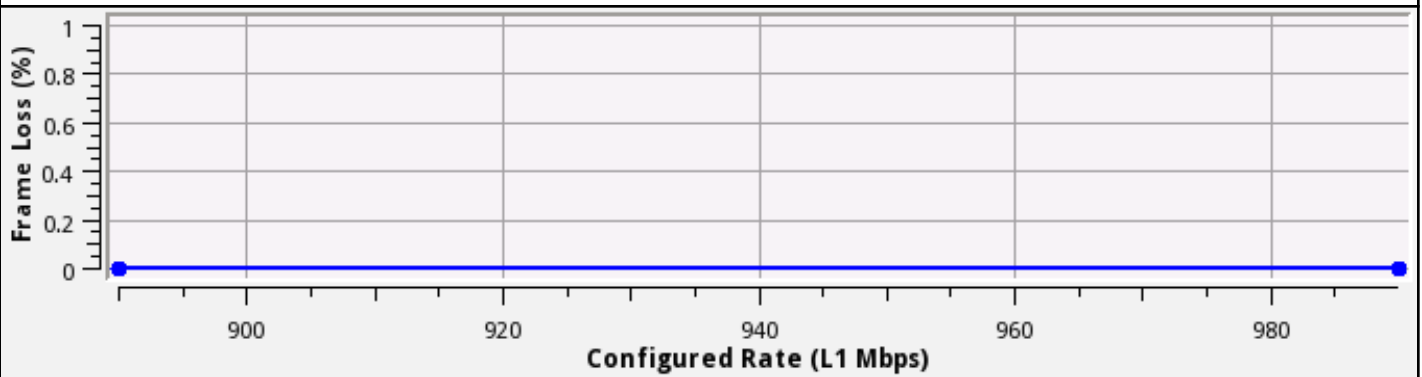
**Enhanced RFC 2544: 1596 Byte Frame Loss Test Graph**



**Enhanced RFC 2544: 1596 Byte Frame Loss Test Results**

<i>Throughput Rate (L1 Mbps)</i>	<i>Frame Loss Rate (%)</i>	<i>Frames Lost</i>	<i>Pause Detect</i>	<i>Cfg Rate (L1 Mbps)</i>
990.00	0.00	0	No	990.00
890.00	0.00	0	No	890.00

**Enhanced RFC 2544: 9600 Byte Frame Loss Test Graph**



**Enhanced RFC 2544: 9600 Byte Frame Loss Test Results**

<i>Throughput Rate (L1 Mbps)</i>	<i>Frame Loss Rate (%)</i>	<i>Frames Lost</i>	<i>Pause Detect</i>	<i>Cfg Rate (L1 Mbps)</i>
990.01	0.00	0	No	990.00
890.04	0.00	0	No	890.00

**Enhanced RFC 2544: Network Configuration**

Frame Type	DIX
Test Mode	Traffic
Encapsulation	None

Loop Type	Broadcast
EtherType	0x800
Source MAC	00-80-16-92-9C-F0
Auto-increment SA MAC	No
Destination MAC	00-80-16-00-00-00

<b>Enhanced RFC 2544: Local Auto Negotiation Status</b>	
Auto Negotiation	On
FDX Capable	Yes
HDX Capable	Yes
Flow Control	On

<b>Enhanced RFC 2544: Test Configuration</b>	
Tests to Run	Throughput, Latency, Frame Loss
Acterna Payload Version	Version 2
Bandwidth Unit	L1 Mbps
Max Test Bandwidth (Mbps)	990.00
Frame Lengths Selected (bytes)	64, 128, 256, 512, 768, 1024, 1280, 1518, 1596, 9600
Throughput Measurement Accuracy	To within 10 Mbps
Throughput Zeroing-in Process	RFC 2544 Standard
Throughput Frame Loss Tolerance (%)	0
All Tests Duration (s)	5
All Tests Number of Trials	1
Throughput Pass Threshold	Not Selected
Latency Pass Threshold	Not Selected
Frame Loss Test Procedure	RFC 2544 Standard
Frame Loss Bandwidth Granularity (Mbps)	100