

Generated by Viavi 5800-100G

# Enhanced RFC 2544 Test

Overall Test Result: Completed

**Throughput**



**Latency**



**Packet Jitter**



**Frame Loss**



**Back to Back**

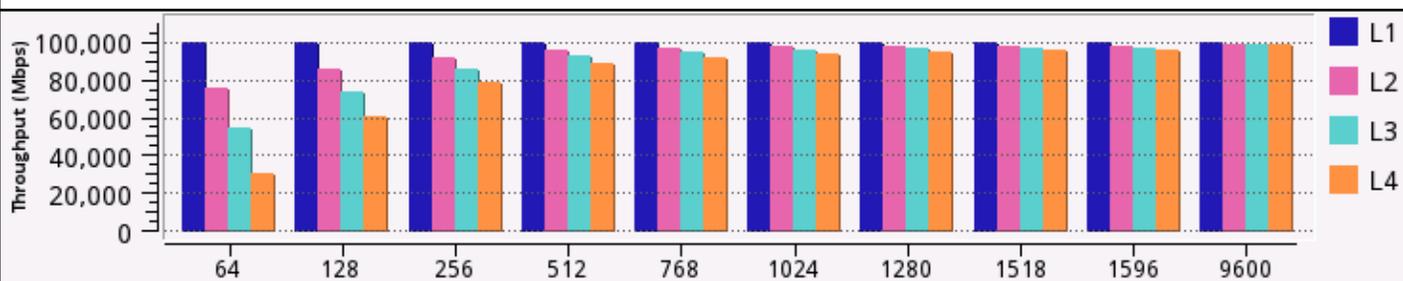


**System Recovery**



Mode	Symmetric Loopback
Tests to Run	Throughput, Latency, Packet Jitter, Frame Loss, Back to Back
Customer Name	--
Technician ID	--
Test Location	--
Work Order	--
Comments/Notes	--
Instrument	MTS5800-100G
Serial Number	WMSE0163000017
SW Version	29.0.1
Start Date	11/29/2021
End Date	11/29/2021
Start Time	16:36:40
End Time	16:46:45

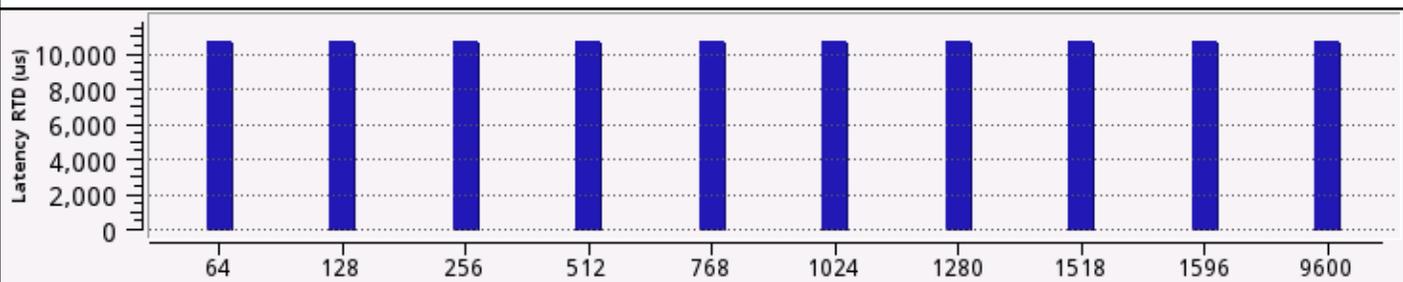
**Enhanced RFC 2544: Throughput Test Graph**



**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	99996.0	76187.4	54759.7	30951.1	148,803,564	No	100,000
128	99996.0	86483.0	74321.4	60808.4	84,456,078	No	100,000
256	99996.0	92749.9	86228.4	78982.3	45,288,041	No	100,000
512	99996.0	96236.8	92853.4	89094.2	23,495,300	No	100,000
768	99996.0	97458.0	95173.9	92635.9	15,862,309	No	100,000
1024	99996.0	98080.4	96356.3	94440.7	11,972,701	No	100,000
1280	99996.0	98457.6	97073.0	95534.6	9,615,000	No	100,000
1518	99996.0	98695.7	97525.4	96225.0	8,127,113	No	100,000
1596	99996.0	98758.4	97644.6	96407.0	7,734,839	No	100,000
9600	99996.0	99788.1	99601.0	99393.1	1,299,325	No	100,000

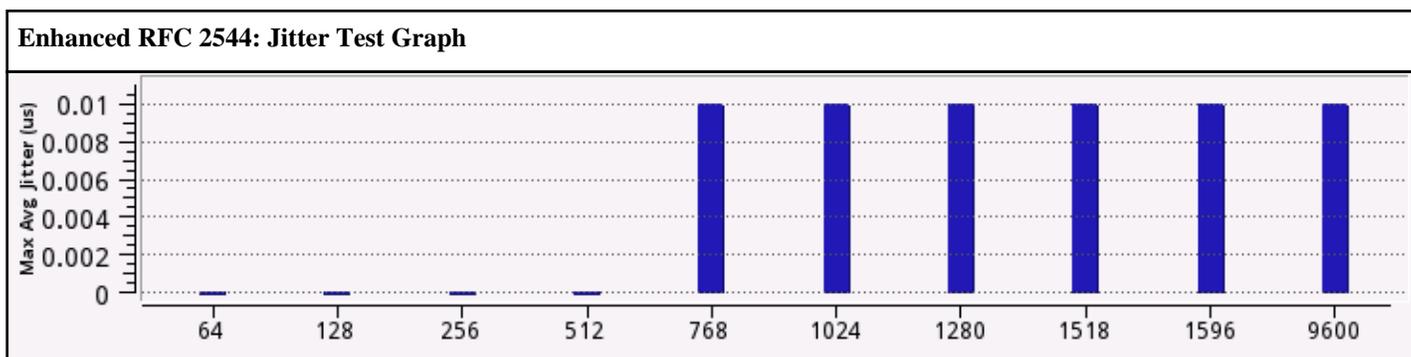
**Enhanced RFC 2544: Latency Test Graph**



**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	10,000	76,187.4	76.1874	148,803,564	No
128	10,000	86,483.0	86.4830	84,456,078	No
256	10,000	92,749.9	92.7499	45,288,041	No
512	10,000	96,236.8	96.2368	23,495,300	No
768	10,000	97,458.0	97.4580	15,862,309	No
1024	10,000	98,080.4	98.0804	11,972,701	No
1280	10,000	98,457.6	98.4576	9,615,000	No
1518	10,000	98,695.7	98.6957	8,127,113	No
1596	10,000	98,758.4	98.7584	7,734,839	No
9600	10,000	99,788.1	99.7881	1,299,325	No

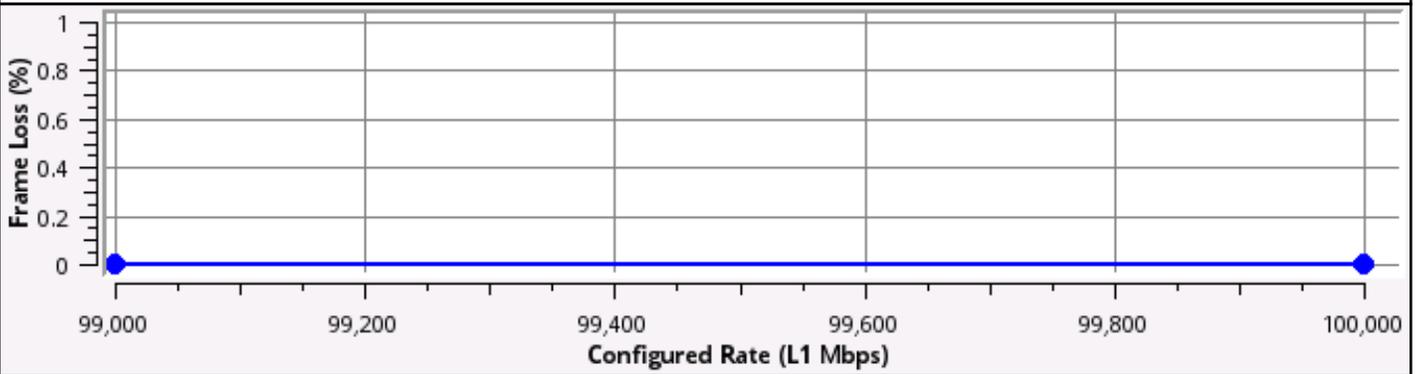
64	10720.90	99996.0	99.996	148,803,564	No
128	10720.90	99996.0	99.996	84,456,078	No
256	10720.90	99996.0	99.996	45,288,041	No
512	10720.90	99996.0	99.996	23,495,300	No
768	10720.90	99996.0	99.996	15,862,309	No
1024	10720.90	99996.0	99.996	11,972,701	No
1280	10720.90	99996.0	99.996	9,615,000	No
1518	10720.90	99996.0	99.996	8,127,113	No
1596	10720.90	99996.0	99.996	7,734,839	No
9600	10720.90	99996.0	99.996	1,299,325	No



**Enhanced RFC 2544: Jitter Test Results**

<i>Frame Length (Bytes)</i>	<i>Max Avg Jitter (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	0.00	99996.0	99.996	148,803,564	No
128	0.00	99996.0	99.996	84,456,078	No
256	0.00	99996.0	99.996	45,288,041	No
512	0.00	99996.0	99.996	23,495,300	No
768	0.01	99996.0	99.996	15,862,309	No
1024	0.01	99996.0	99.996	11,972,701	No
1280	0.01	99996.0	99.996	9,615,000	No
1518	0.01	99996.0	99.996	8,127,113	No
1596	0.01	99996.0	99.996	7,734,839	No
9600	0.01	99996.0	99.996	1,299,325	No

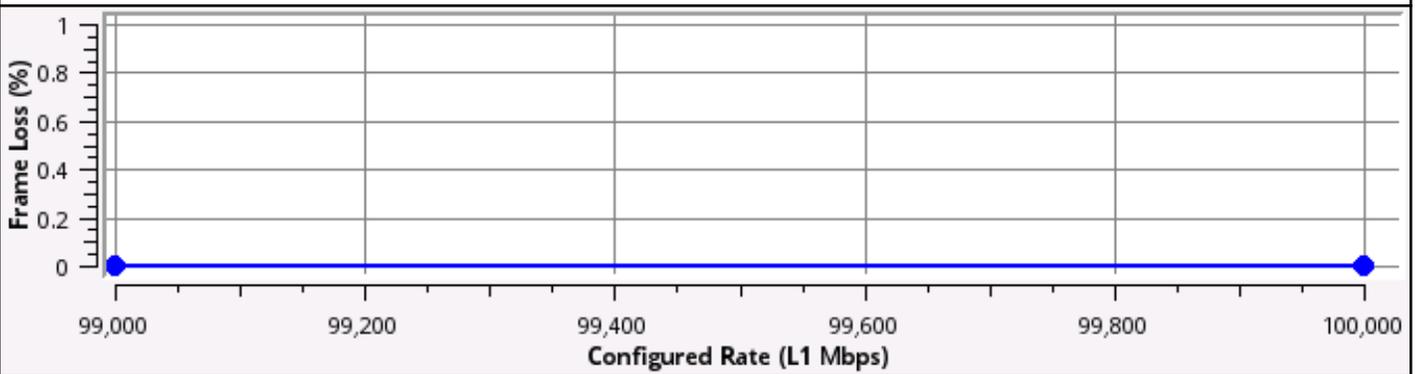
**Enhanced RFC 2544: 64 Byte Frame Loss Test Graph**



**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>
99996.0	0.00	0	No	100,000
99000.0	0.00	0	No	99,000

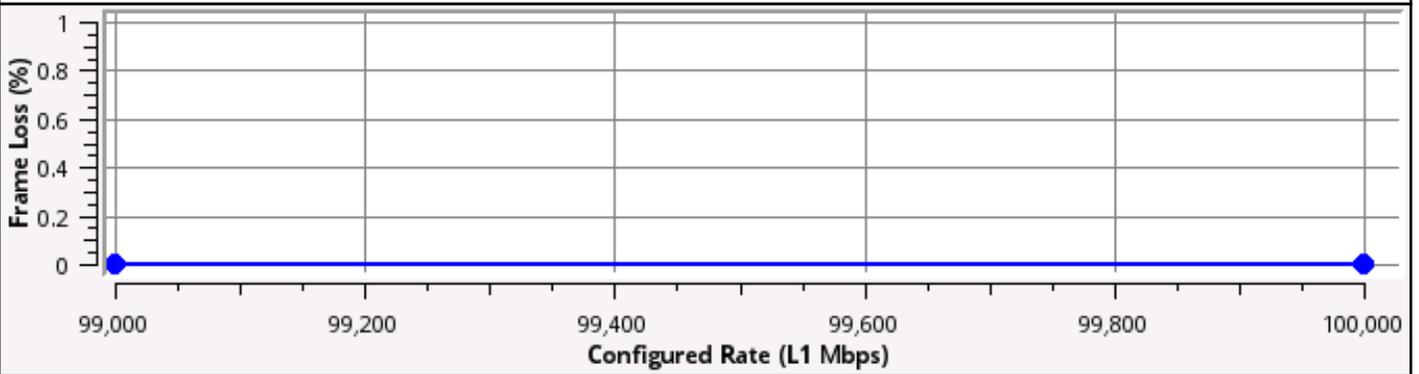
**Enhanced RFC 2544: 128 Byte Frame Loss Test Graph**



**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>
99996.0	0.00	0	No	100,000
99000.0	0.00	0	No	99,000

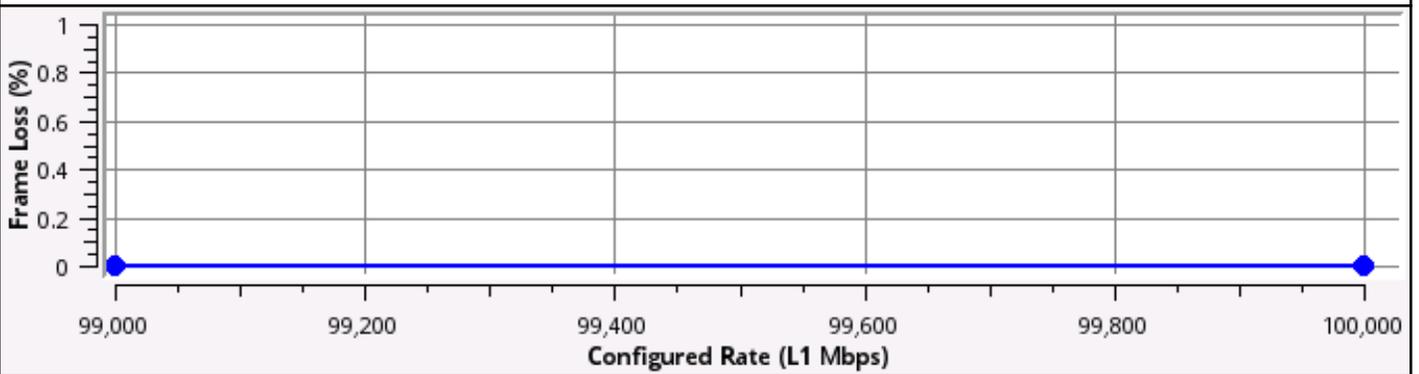
**Enhanced RFC 2544: 256 Byte Frame Loss Test Graph**



**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>
99996.0	0.00	0	No	100,000
99000.0	0.00	0	No	99,000

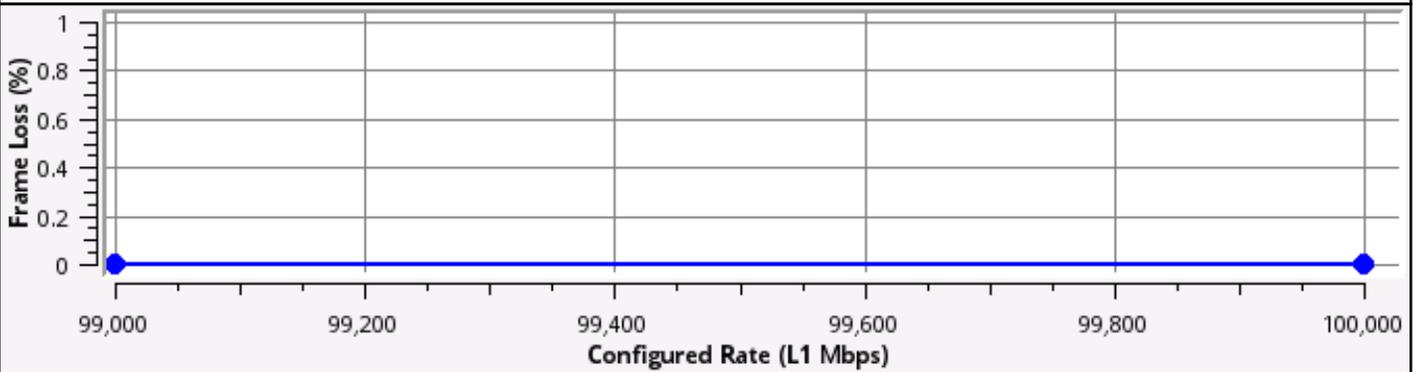
**Enhanced RFC 2544: 512 Byte Frame Loss Test Graph**



**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>
99996.0	0.00	0	No	100,000
99000.0	0.00	0	No	99,000

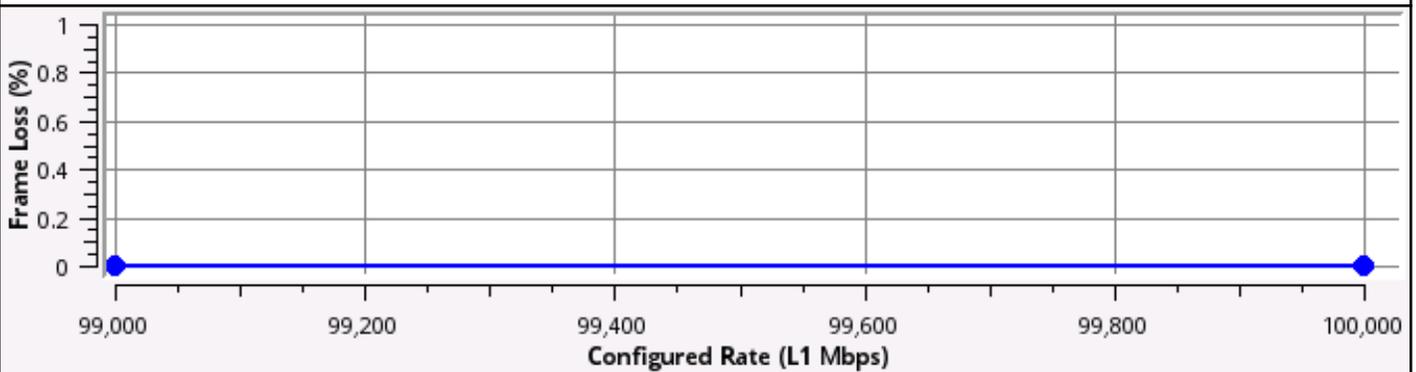
**Enhanced RFC 2544: 768 Byte Frame Loss Test Graph**



**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>
99996.0	0.00	0	No	100,000
99000.0	0.00	0	No	99,000

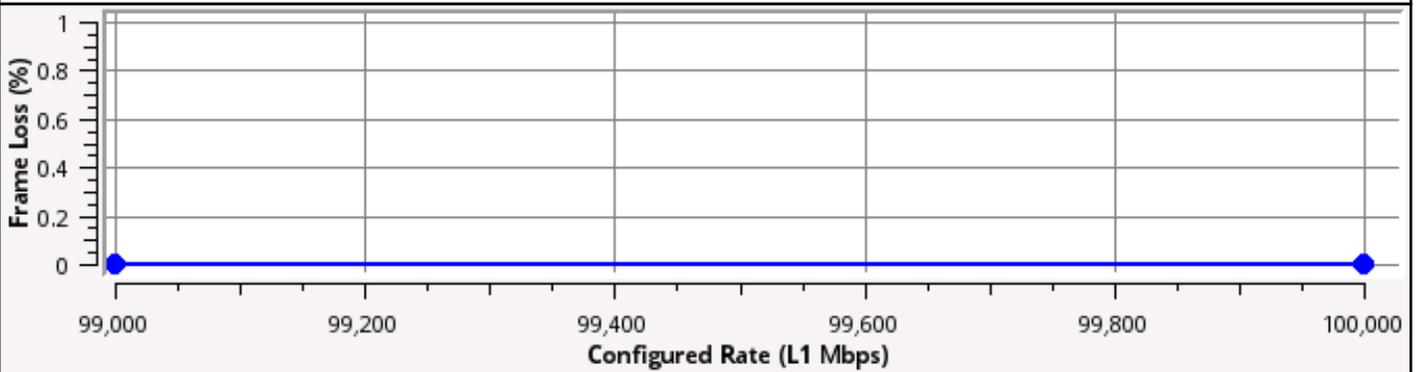
**Enhanced RFC 2544: 1024 Byte Frame Loss Test Graph**



**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>
99996.0	0.00	0	No	100,000
99000.0	0.00	0	No	99,000

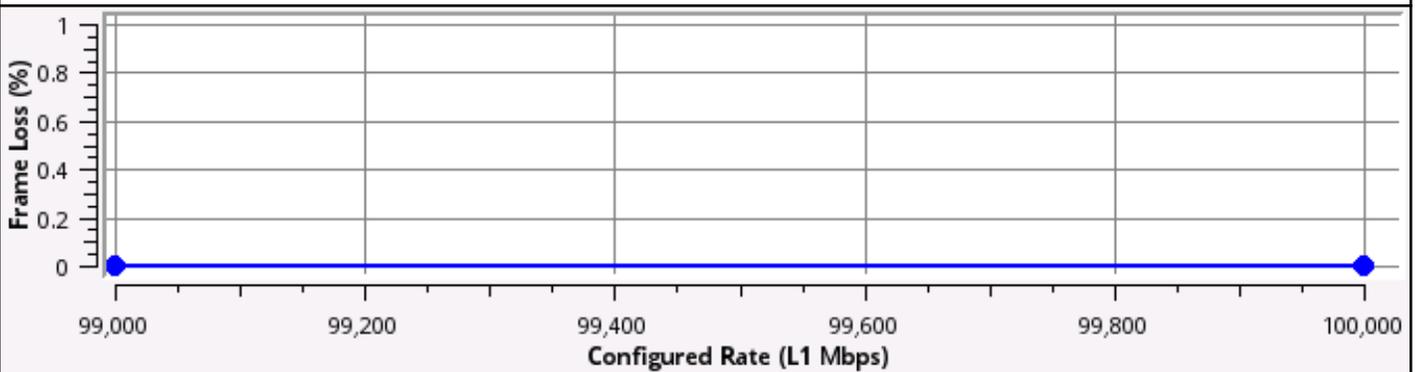
**Enhanced RFC 2544: 1280 Byte Frame Loss Test Graph**



**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>
99996.0	0.00	0	No	100,000
99000.0	0.00	0	No	99,000

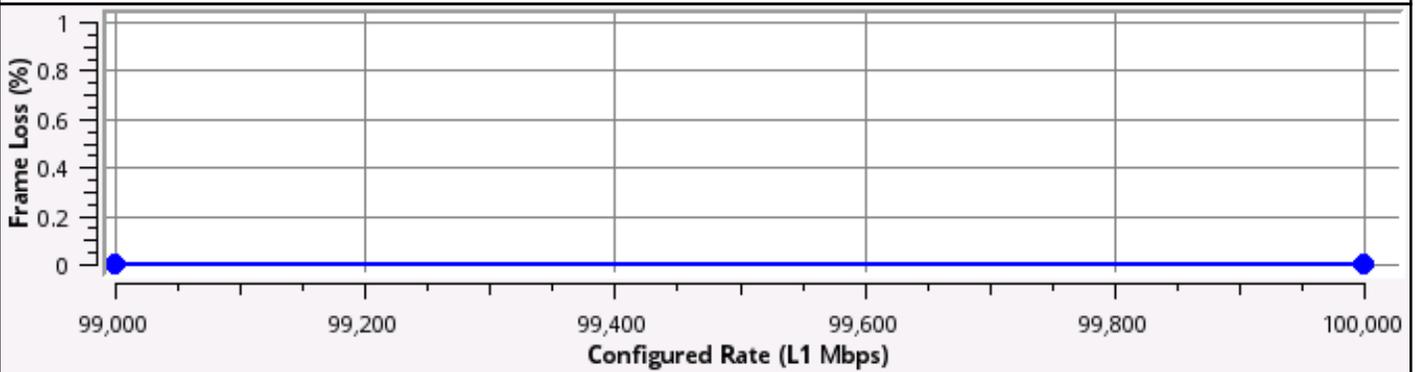
**Enhanced RFC 2544: 1518 Byte Frame Loss Test Graph**



**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>
99996.0	0.00	0	No	100,000
99000.0	0.00	0	No	99,000

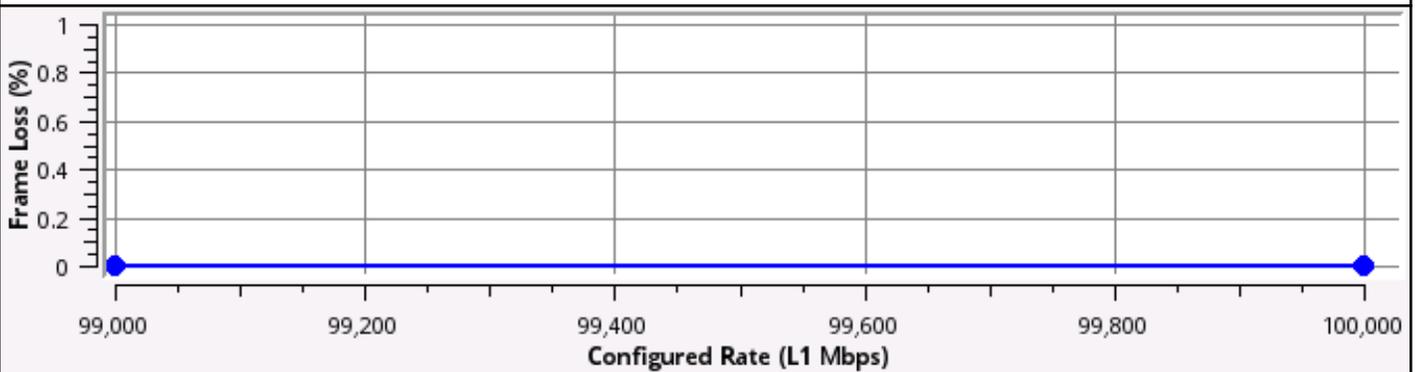
**Enhanced RFC 2544: 1596 Byte Frame Loss Test Graph**



**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>
99996.0	0.00	0	No	100,000
99000.0	0.00	0	No	99,000

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



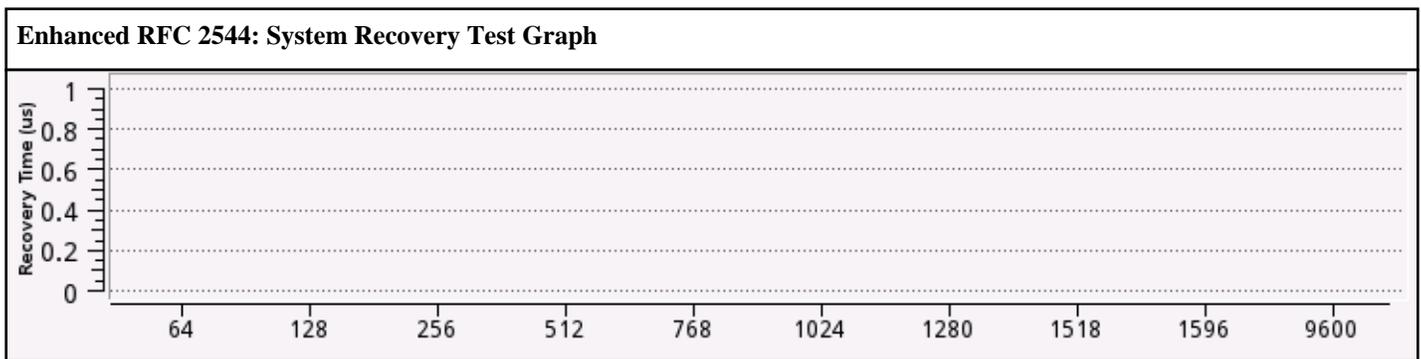
**Enhanced RFC 2544: 9600 Byte Frame Loss Test Results**

<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>
99996.1	0.00	0	No	100,000
99000.0	0.00	0	No	99,000

**Enhanced RFC 2544: Back to Back Test Results**

<i>Frame Length (Bytes)</i>	<i>Average Burst Frames</i>	<i>Average Burst Seconds</i>	<i>Pause Detect</i>
64	268,435,455	1.804	No
128	168,918,919	2.000	No

256	90,579,710	2.000	No
512	46,992,481	2.000	No
768	31,725,888	2.000	No
1024	23,946,360	2.000	No
1280	19,230,769	2.000	No
1518	16,254,876	2.000	No
1596	15,470,297	2.000	No
9600	2,598,753	2.000	No



**Enhanced RFC 2544: System Recovery Test Results**

<i>Frame Length (Bytes)</i>	<i>Overload Rate (LI Mbps)</i>	<i>Recovery Rate (LI Mbps)</i>	<i>Average Recovery Time (us)</i>	<i>Pause Detect</i>
64	---	---	---	No
128	---	---	---	No
256	---	---	---	No
512	---	---	---	No
768	---	---	---	No
1024	---	---	---	No
1280	---	---	---	No
1518	---	---	---	No
1596	---	---	---	No
9600	---	---	---	No

**Enhanced RFC 2544: Network Configuration**

Frame Type	DIX
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Test Mode	Traffic
Encapsulation	None
Loop Type	Broadcast
Source MAC	00-80-16-93-FB-51
Auto-increment Source	No
Destination MAC	00-80-16-00-00-00

<b>Enhanced RFC 2544: Test Configuration</b>	
Tests to Run	Throughput, Latency, Packet Jitter, Frame Loss, Back to Back
Acterna Payload Version	Version 3
Bandwidth Unit	L1 Mbps
Max Test Bandwidth (Mbps)	100000
Frame Lengths Selected (bytes)	64, 128, 256, 512, 768, 1024, 1280, 1518, 1596, 9600
Throughput Measurement Accuracy	To within 100 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
Configure Max Bandwidth per Frame Size	Not Selected
Latency Pass Threshold	Not Selected
Packet Jitter Pass Threshold	Not Selected
Frame Loss Test Procedure	RFC 2544 Standard
Frame Loss Bandwidth Granularity (Mbps)	1000
Back to Back Granularity (Frames)	1
Back to Back Max Burst Duration (s)	2
Ignore Pause Frames	Not Selected
Test Protection	NO