

Generated by Viavi 5800-100G

Enhanced RFC 2544 Test

Overall Test Result: Completed

Throughput



Latency



Packet Jitter



Frame Loss



Back to Back

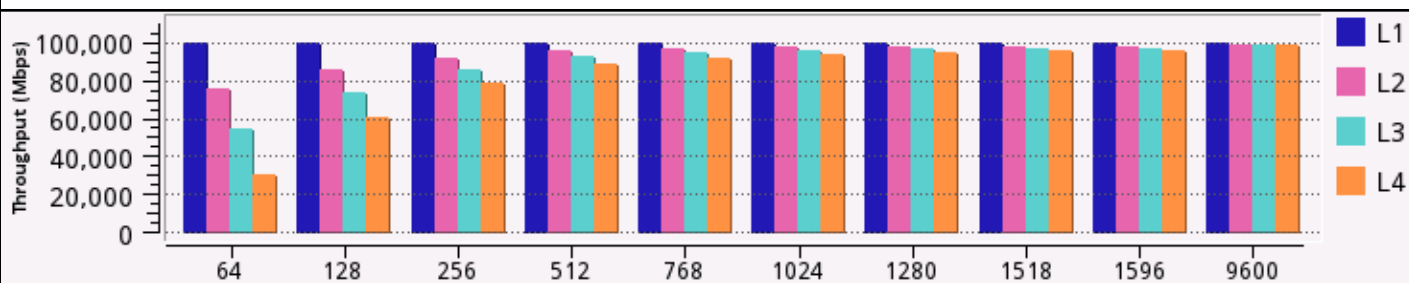


System Recovery



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	14:37:44
End Time	14:47:48

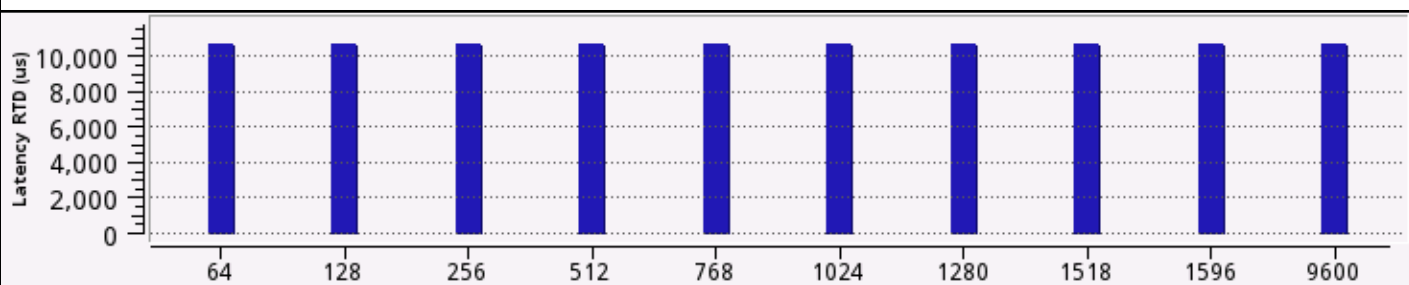
Enhanced RFC 2544: Throughput Test Graph



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	99997.0	76188.2	54760.3	30951.5	148,805,052	No	100,000
128	99997.0	86483.9	74322.1	60809.0	84,456,922	No	100,000
256	99997.0	92750.8	86229.3	78983.1	45,288,495	No	100,000
512	99997.0	96237.7	92854.4	89095.1	23,495,535	No	100,000
768	99997.0	97459.0	95174.8	92636.8	15,862,468	No	100,000
1024	99997.0	98081.3	96357.3	94441.6	11,972,821	No	100,000
1280	99997.0	98458.6	97074.0	95535.6	9,615,096	No	100,000
1518	99997.0	98696.6	97526.3	96226.0	8,127,194	No	100,000
1596	99997.0	98759.4	97645.6	96408.0	7,734,916	No	100,000
9600	99997.0	99789.1	99602.0	99394.1	1,299,338	No	100,000

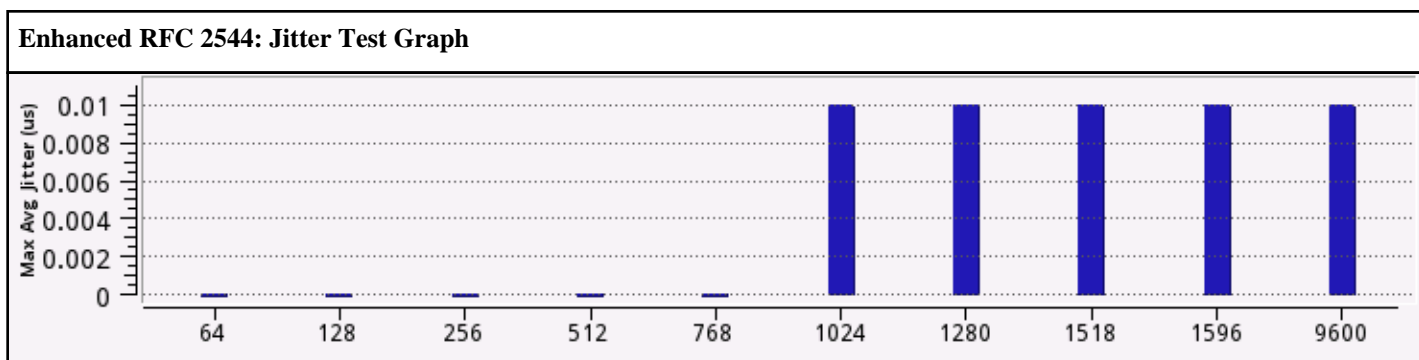
Enhanced RFC 2544: Latency Test Graph



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	76,188.2	76.1882	148,805,052	No
128	10,000	86,483.9	86.4839	84,456,922	No
256	10,000	92,750.8	92.7508	45,288,495	No
512	10,000	96,237.7	96.2377	23,495,535	No
768	10,000	97,459.0	97.4590	15,862,468	No
1024	10,000	98,081.3	98.0813	11,972,821	No
1280	10,000	98,458.6	98.4586	9,615,096	No
1518	10,000	98,696.6	98.6966	8,127,194	No
1596	10,000	98,759.4	98.7594	7,734,916	No
9600	10,000	99,789.1	99.7891	1,299,338	No

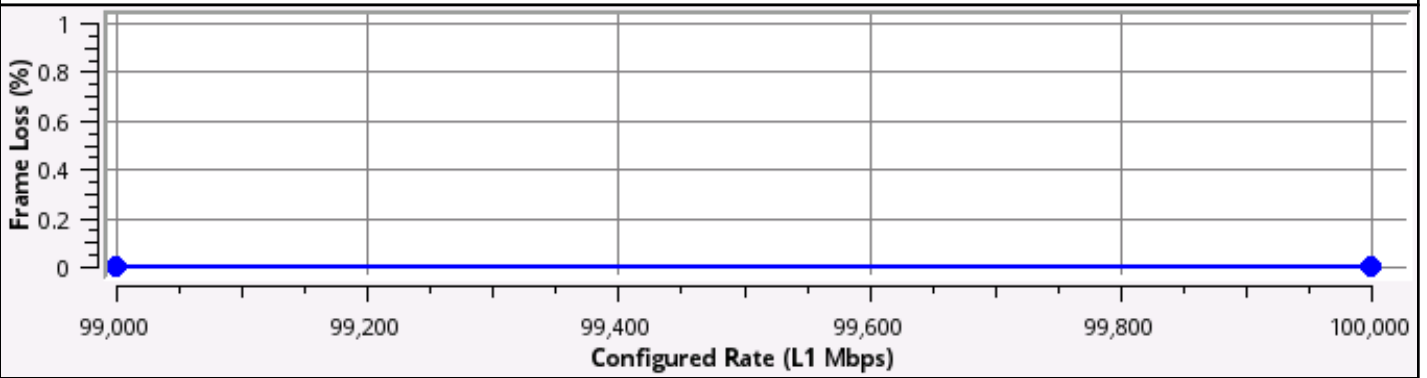
64	10698.20	99997.0	99.997	148,805,052	No
128	10698.20	99997.0	99.997	84,456,922	No
256	10698.20	99997.0	99.997	45,288,495	No
512	10698.20	99997.0	99.997	23,495,535	No
768	10698.20	99997.0	99.997	15,862,468	No
1024	10698.20	99997.0	99.997	11,972,821	No
1280	10698.20	99997.0	99.997	9,615,096	No
1518	10698.20	99997.0	99.997	8,127,194	No
1596	10698.20	99997.0	99.997	7,734,916	No
9600	10698.20	99997.0	99.997	1,299,338	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	99997.0	99.997	148,805,052	No
128	0.00	99997.0	99.997	84,456,922	No
256	0.00	99997.0	99.997	45,288,495	No
512	0.00	99997.0	99.997	23,495,535	No
768	0.00	99997.0	99.997	15,862,468	No
1024	0.01	99997.0	99.997	11,972,821	No
1280	0.01	99997.0	99.997	9,615,096	No
1518	0.01	99997.0	99.997	8,127,194	No
1596	0.01	99997.0	99.997	7,734,916	No
9600	0.01	99997.0	99.997	1,299,338	No

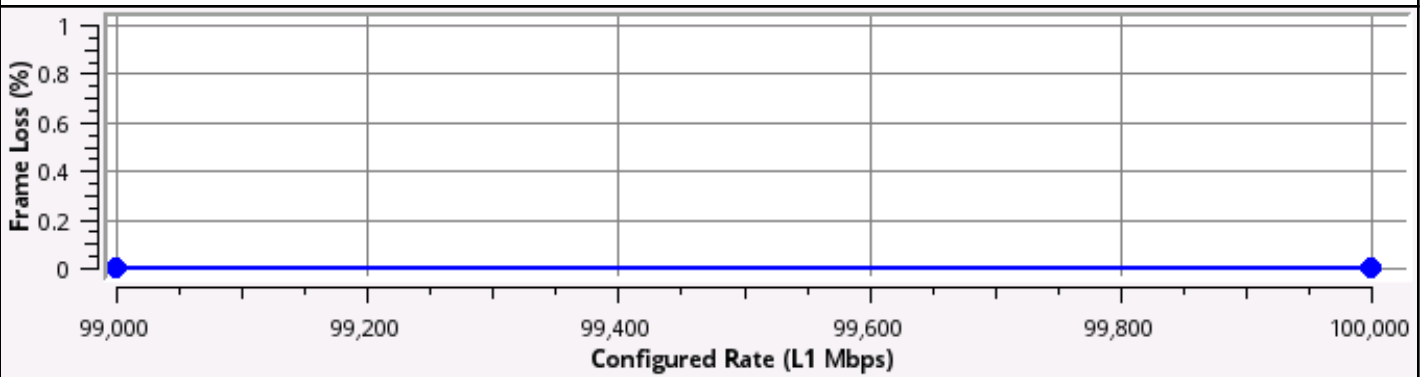
Enhanced RFC 2544: 64 Byte Frame Loss Test Graph



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>
99997.0	0.00	0	No	100,000
99001.0	0.00	0	No	99,000

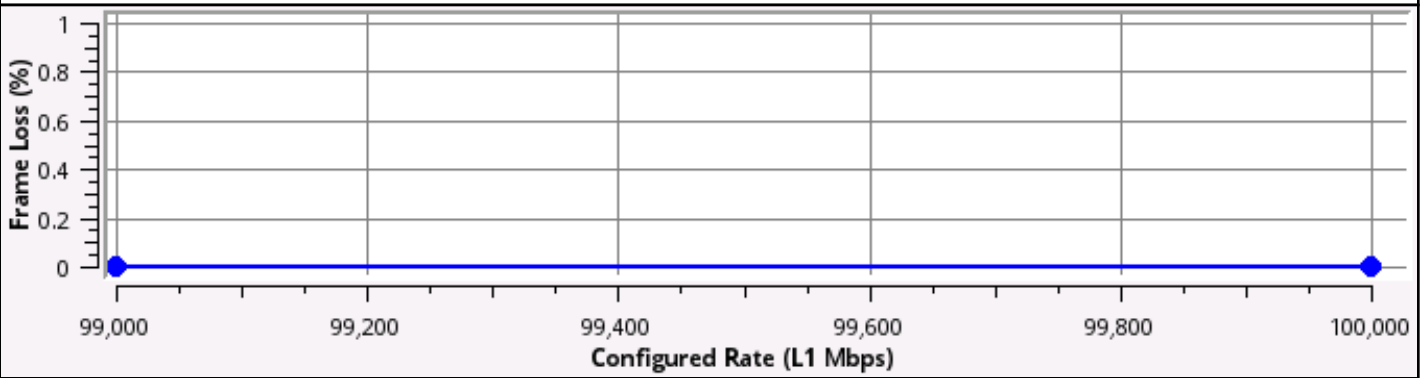
Enhanced RFC 2544: 128 Byte Frame Loss Test Graph



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>
99997.0	0.00	0	No	100,000
99001.0	0.00	0	No	99,000

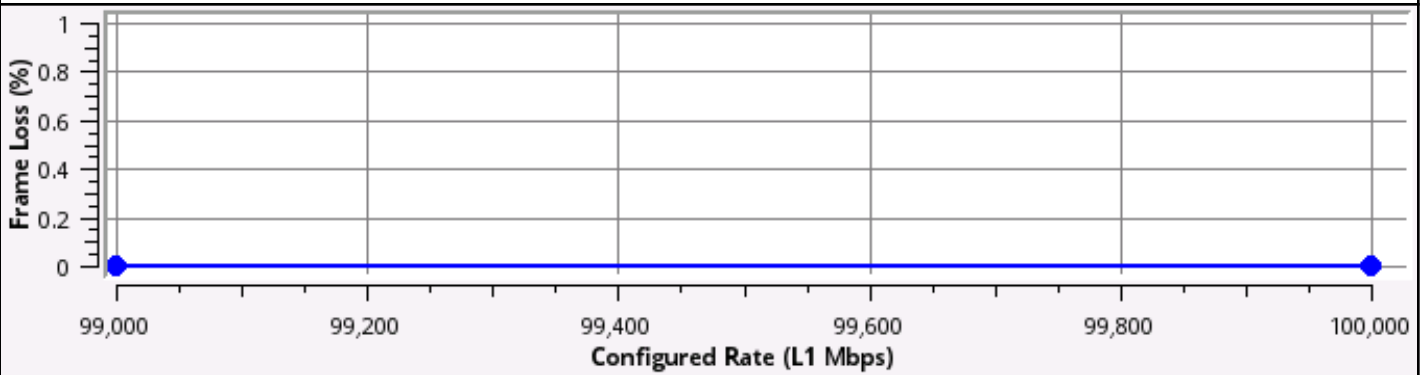
Enhanced RFC 2544: 256 Byte Frame Loss Test Graph



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>
99997.0	0.00	0	No	100,000
99001.0	0.00	0	No	99,000

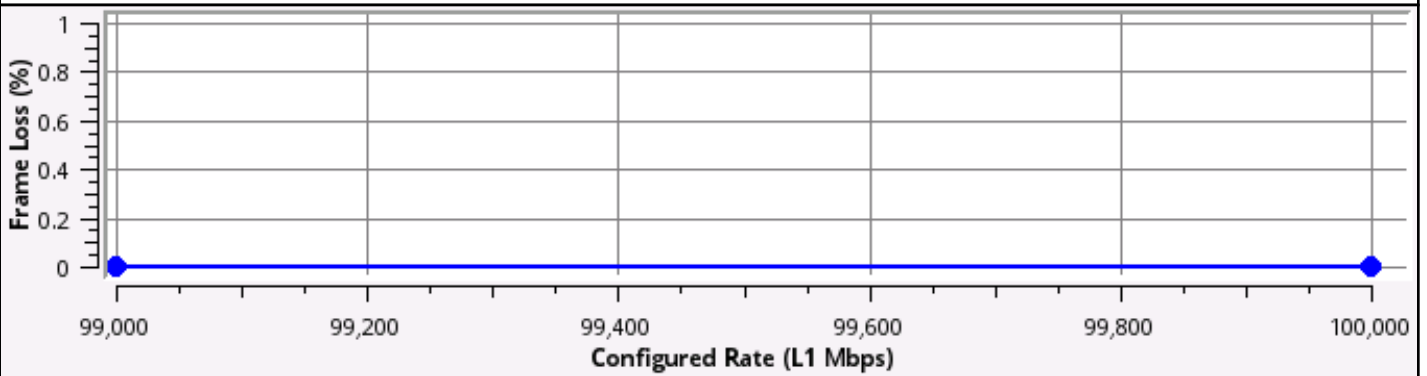
Enhanced RFC 2544: 512 Byte Frame Loss Test Graph



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>
99997.0	0.00	0	No	100,000
99001.0	0.00	0	No	99,000

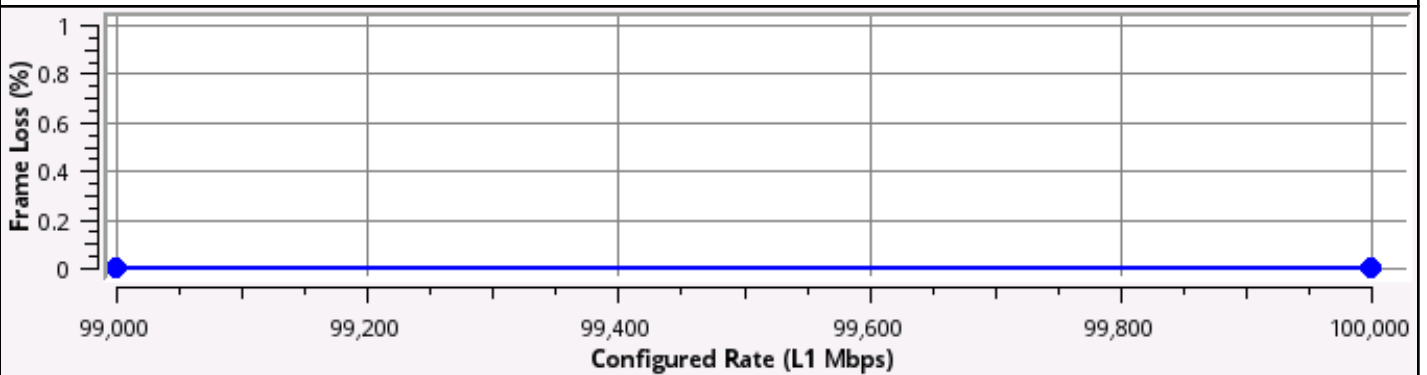
Enhanced RFC 2544: 768 Byte Frame Loss Test Graph



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>
99997.0	0.00	0	No	100,000
99001.0	0.00	0	No	99,000

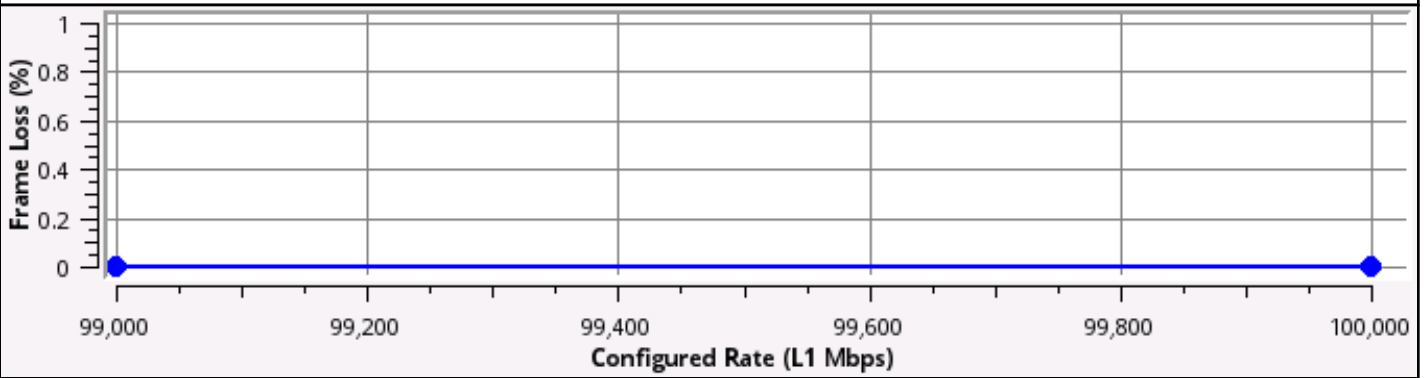
Enhanced RFC 2544: 1024 Byte Frame Loss Test Graph



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>
99997.0	0.00	0	No	100,000
99001.0	0.00	0	No	99,000

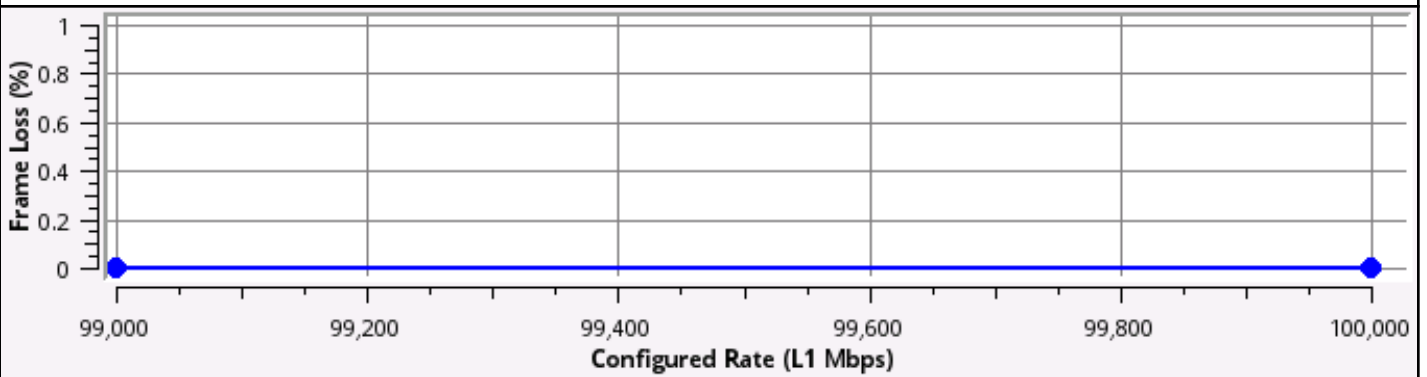
Enhanced RFC 2544: 1280 Byte Frame Loss Test Graph



Enhanced RFC 2544: 1280 Byte Frame Loss Test Results

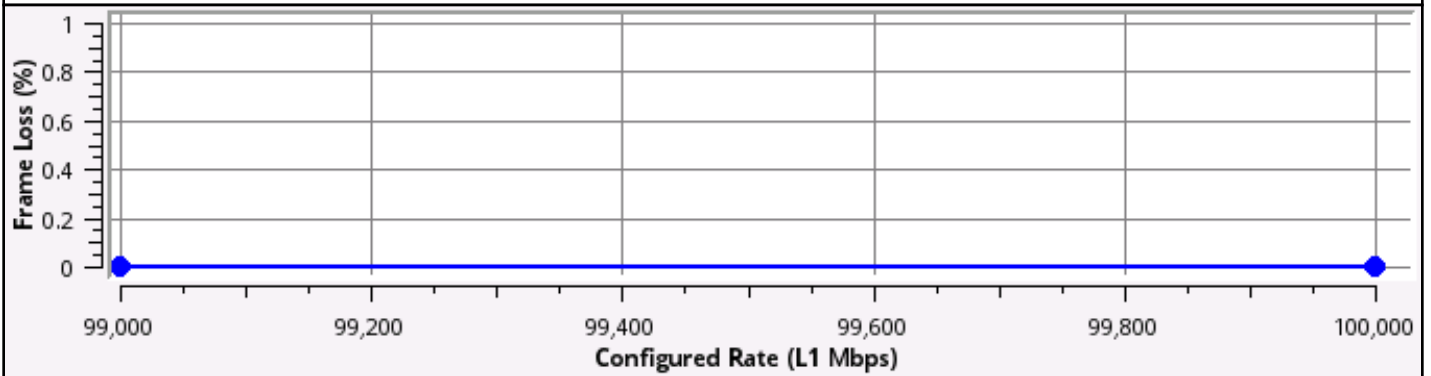
<i>Throughput Rate (L1 Mbps)</i>	<i>Frame Loss Rate (%)</i>	<i>Frames Lost</i>	<i>Pause Detect</i>	<i>Cfg Rate (L1 Mbps)</i>
99997.0	0.00	0	No	100,000
99001.0	0.00	0	No	99,000

Enhanced RFC 2544: 1518 Byte Frame Loss Test Graph

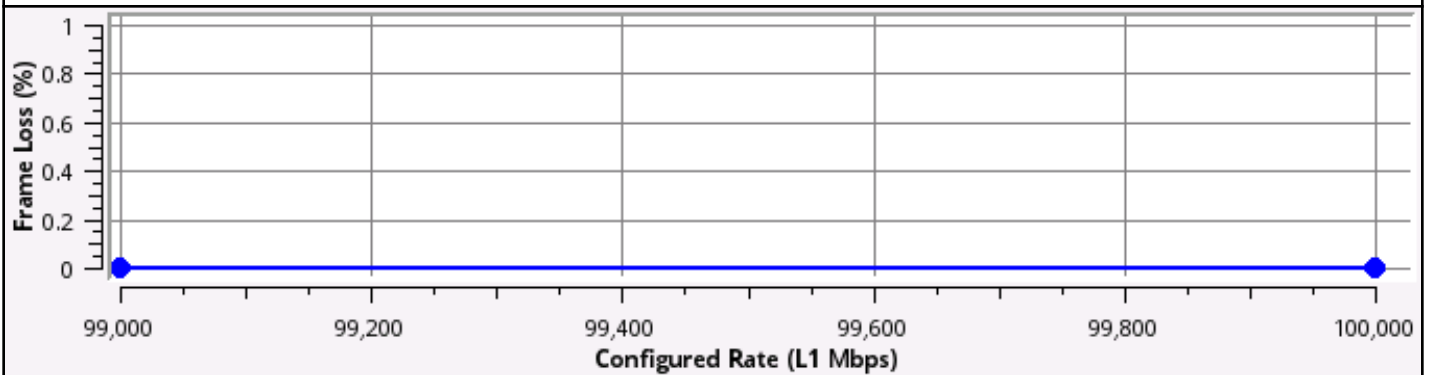


Enhanced RFC 2544: 1518 Byte Frame Loss Test Results

<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>
99997.0	0.00	0	No	100,000
99001.0	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>
99997.0	0.00	0	No	100,000
99001.0	0.00	0	No	99,000

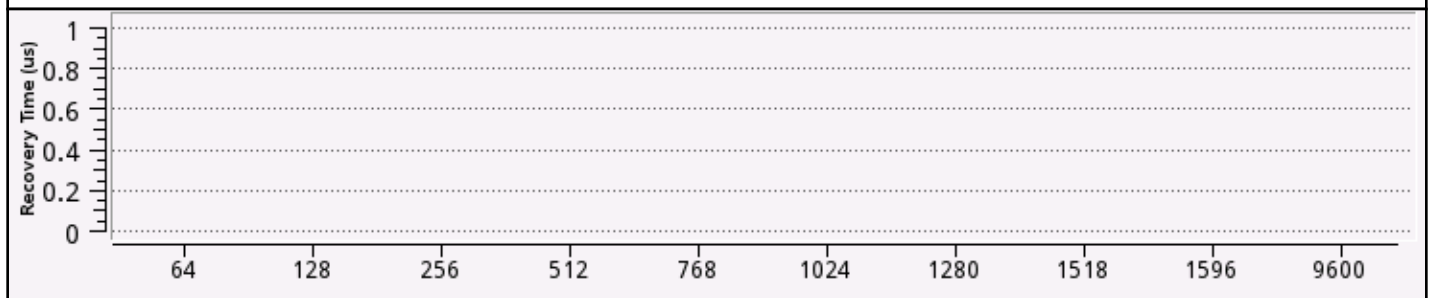
Enhanced RFC 2544: 9600 Byte Frame Loss Test Graph**Enhanced RFC 2544: 9600 Byte Frame Loss Test Results**

<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>
99997.1	0.00	0	No	100,000
99001.0	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 Graph**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

Enhanced RFC 2544: Test Configuration	
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