

Generated by JDSU 5800

Enhanced RFC 2544 Test

Overall Test Result: Completed

Throughput



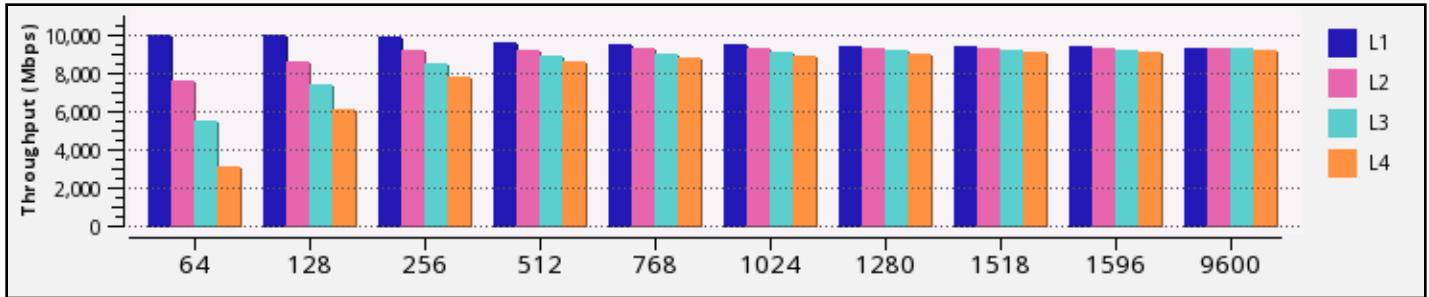
Latency



Frame Loss

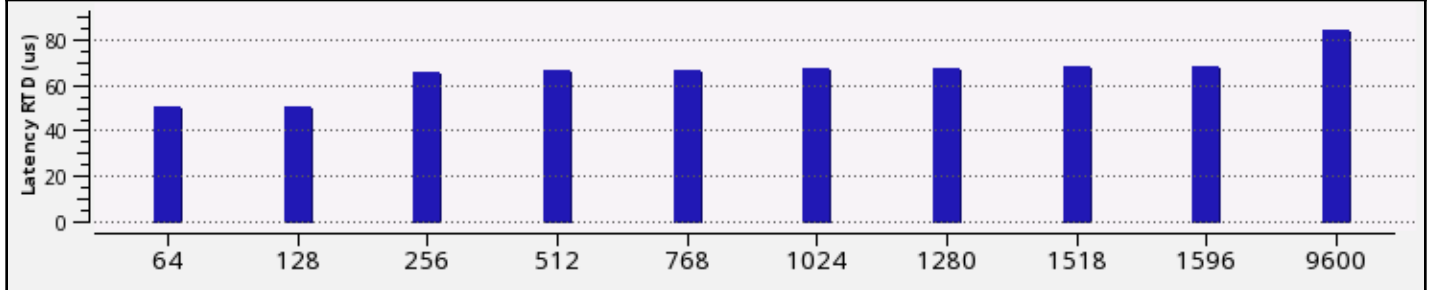


Mode	Symmetric Loopback
Tests to Run	Throughput, Latency, Frame Loss
Customer Name	Elva 6 Km
Technician ID	TWS Technologies
Test Location	Twello To Deventer
Work Order	--
Comments/Notes	--
Instrument	MTS5800V2
Serial Number	0028
SW Version	5.0
Start Date	04/11/2017
End Date	04/11/2017
Start Time	1:43:12 PM GMT
End Time	1:54:27 PM GMT



Enhanced RFC 2544: Throughput Test Results

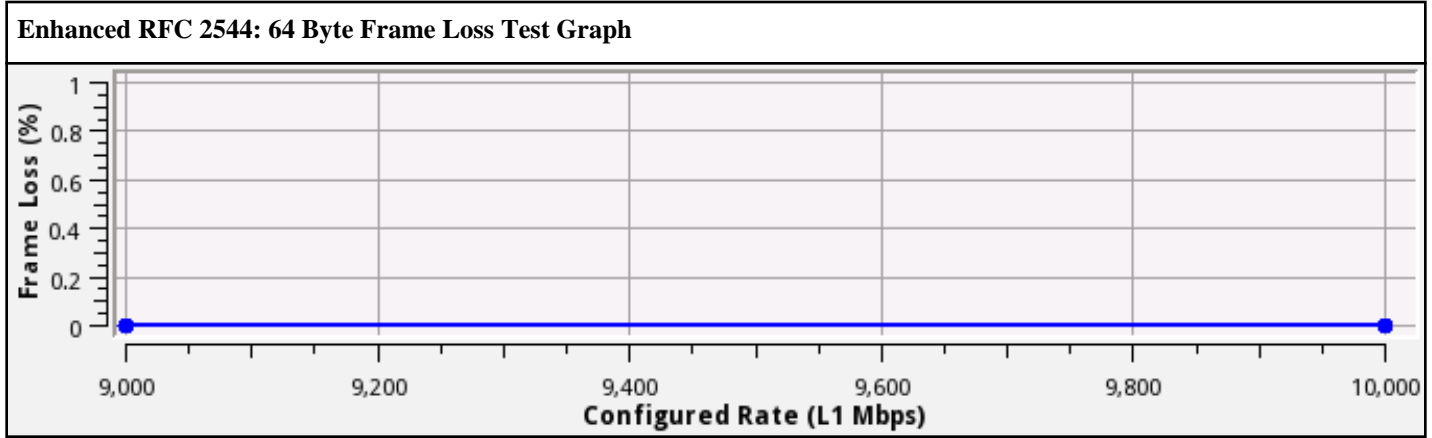
Frame Length (Bytes)	Measured L1 Rate (Mbps)	Measured L2 Rate (Mbps)	Measured L3 Rate (Mbps)	Measured L4 Rate (Mbps)	Measured Rate (frms/sec)	Pause Detect	Cfg Rate (L1 Mbps)
64	9999.6	7618.7	5476.0	3095.1	14,880,357	No	10000.0
128	9999.6	8648.3	7432.1	6080.8	8,445,608	No	10000.0
256	9886.2	9169.8	8525.1	7808.7	4,477,447	Yes	9930.0
512	9601.8	9240.8	8916.0	8555.0	2,256,071	Yes	10000.0
768	9506.1	9264.8	9047.7	8806.4	1,507,944	Yes	10000.0
1024	9458.0	9276.8	9113.7	8932.6	1,132,425	Yes	10000.0
1280	9429.1	9284.0	9153.5	9008.4	906,645	Yes	10000.0
1518	9411.0	9288.6	9178.5	9056.1	764,870	Yes	10000.0
1596	9406.2	9289.8	9185.0	9068.6	727,583	Yes	10000.0
9600	9294.7	9275.4	9258.0	9238.7	120,773	Yes	10000.0



Enhanced RFC 2544: Latency Test Results

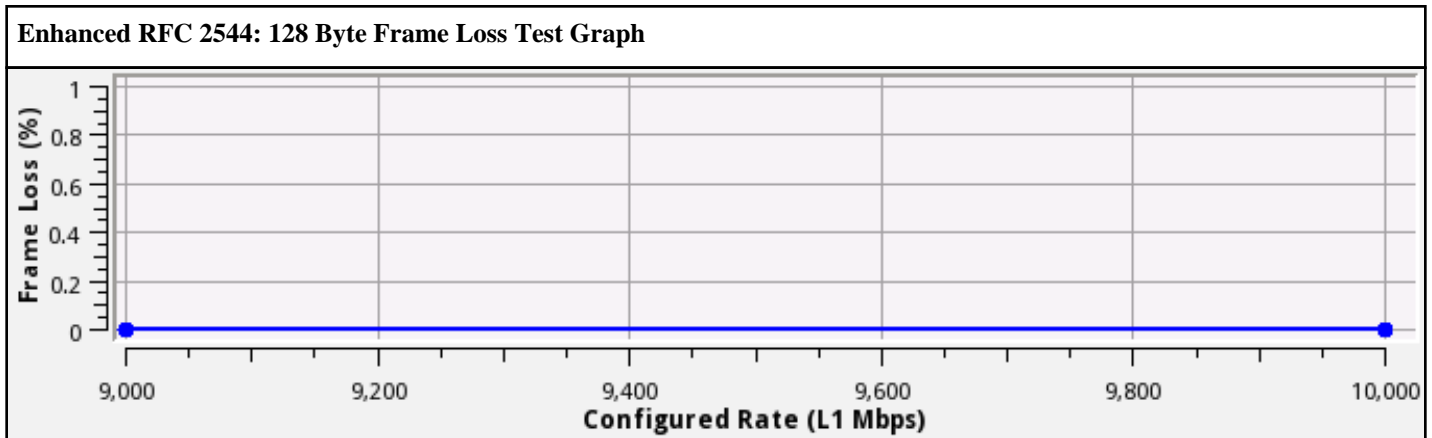
Frame Length (Bytes)	Latency RTD (us)	Measured L1 Rate (Mbps)	Measured L1 (% Line Rate)	Measured Rate (frms/sec)	Pause Detect
64	50.40	9999.6	99.996	14,880,357	No
128	50.56	9999.6	99.996	8,445,608	No
256	65.94	9886.2	98.862	4,477,447	Yes
512	66.43	9601.8	96.018	2,256,071	Yes

768	66.82	9506.1	95.061	1,507,944	Yes
1024	67.27	9458.0	94.580	1,132,425	Yes
1280	67.72	9429.1	94.291	906,645	Yes
1518	68.20	9411.0	94.110	764,870	Yes
1596	68.54	9406.2	94.062	727,583	Yes
9600	84.18	9294.7	92.947	120,773	Yes



Enhanced RFC 2544: 64 Byte Frame Loss Test Results

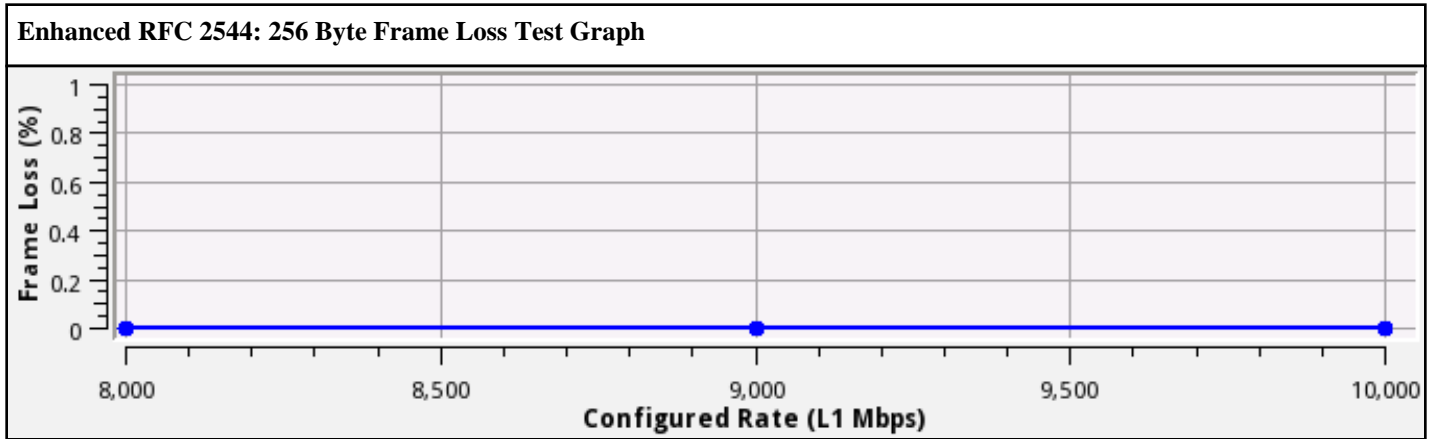
<i>Throughput Rate (L1 Mbps)</i>	<i>Frame Loss Rate (%)</i>	<i>Frames Lost</i>	<i>Pause Detect</i>	<i>Cfg Rate (L1 Mbps)</i>
9999.6	0.00	0	No	10000.0
9000.0	0.00	0	No	9000.0



Enhanced RFC 2544: 128 Byte Frame Loss Test Results

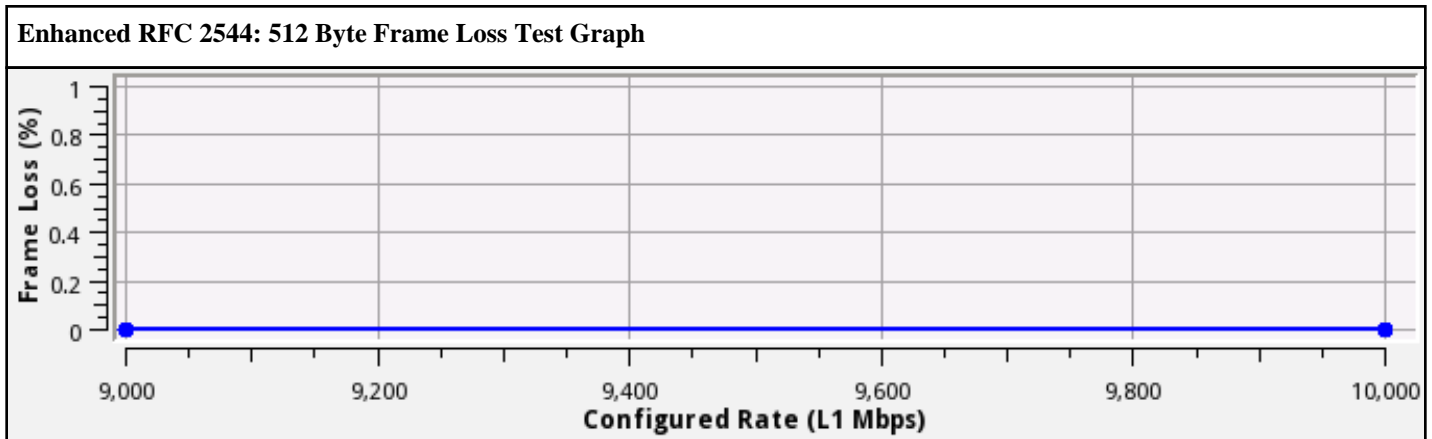
<i>Throughput Rate (L1 Mbps)</i>	<i>Frame Loss Rate (%)</i>	<i>Frames Lost</i>	<i>Pause Detect</i>	<i>Cfg Rate (L1 Mbps)</i>
9999.6	0.00	0	No	10000.0
9000.0	0.00	0	No	9000.0

9999.6	0.00	0	No	10000.0
9000.0	0.00	0	No	9000.0



Enhanced RFC 2544: 256 Byte Frame Loss Test Results

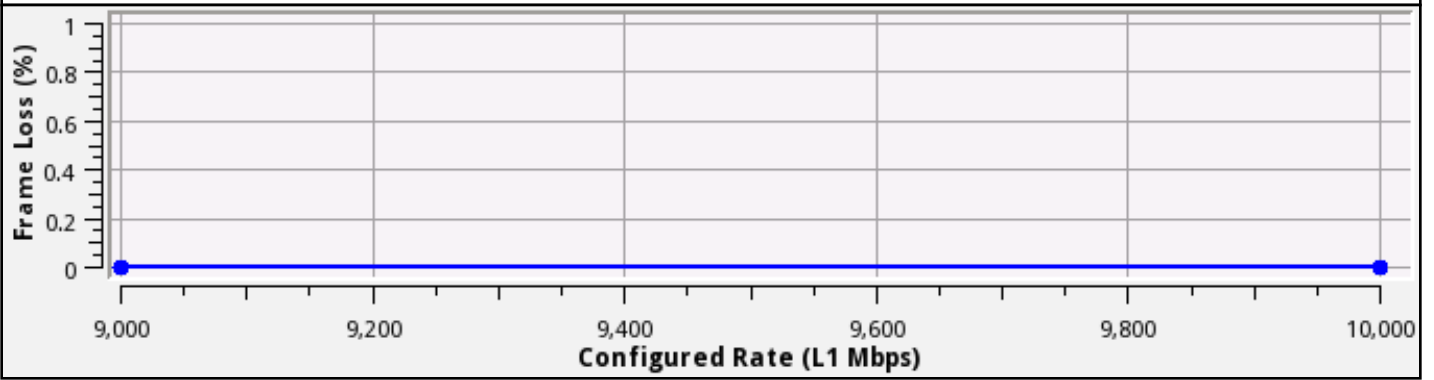
<i>Throughput Rate (L1 Mbps)</i>	<i>Frame Loss Rate (%)</i>	<i>Frames Lost</i>	<i>Pause Detect</i>	<i>Cfg Rate (L1 Mbps)</i>
9781.6	0.00	115	Yes	10000.0
9000.0	0.00	0	No	9000.0
8000.0	0.00	0	No	8000.0



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>
9601.8	0.00	0	Yes	10000.0
9000.0	0.00	0	No	9000.0

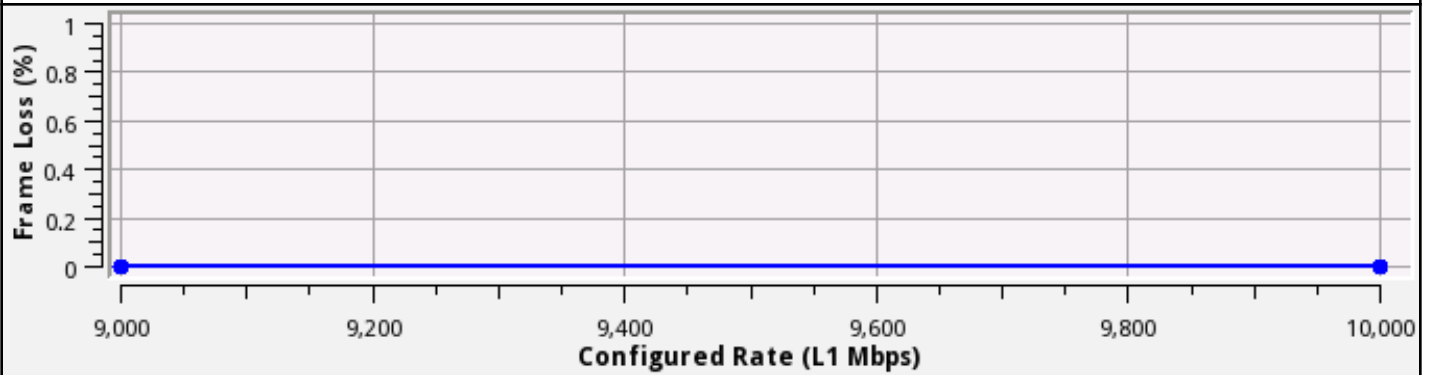
Enhanced RFC 2544: 768 Byte Frame Loss Test Graph



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>
9506.1	0.00	0	Yes	10000.0
9000.0	0.00	0	No	9000.0

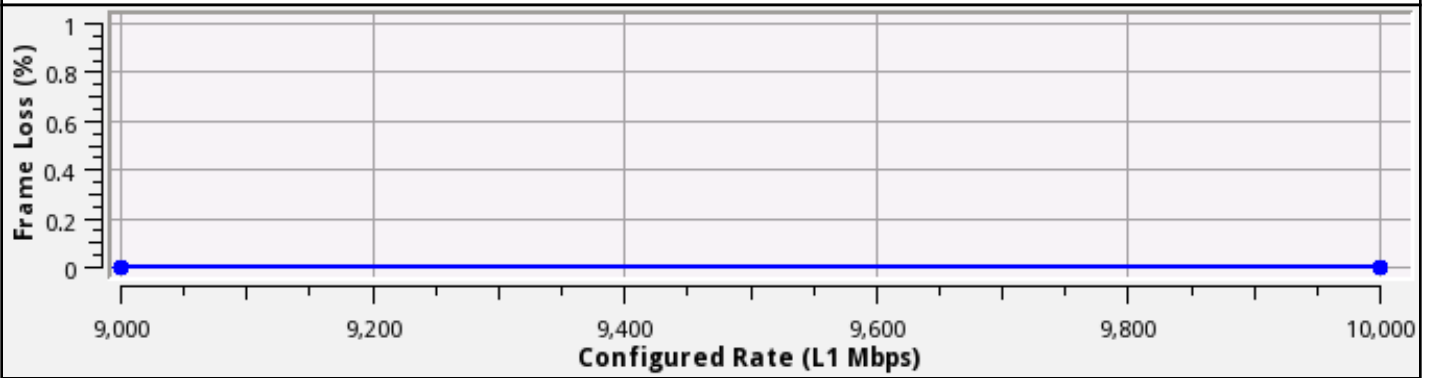
Enhanced RFC 2544: 1024 Byte Frame Loss Test Graph



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>
9458.0	0.00	0	Yes	10000.0
9000.0	0.00	0	No	9000.0

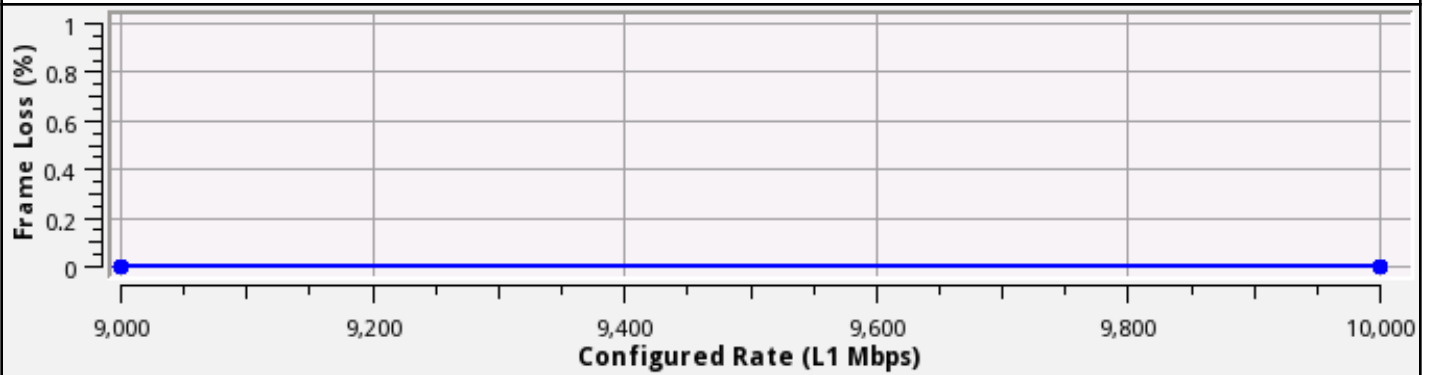
Enhanced RFC 2544: 1280 Byte Frame Loss Test Graph



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>
9429.1	0.00	0	Yes	10000.0
9000.0	0.00	0	No	9000.0

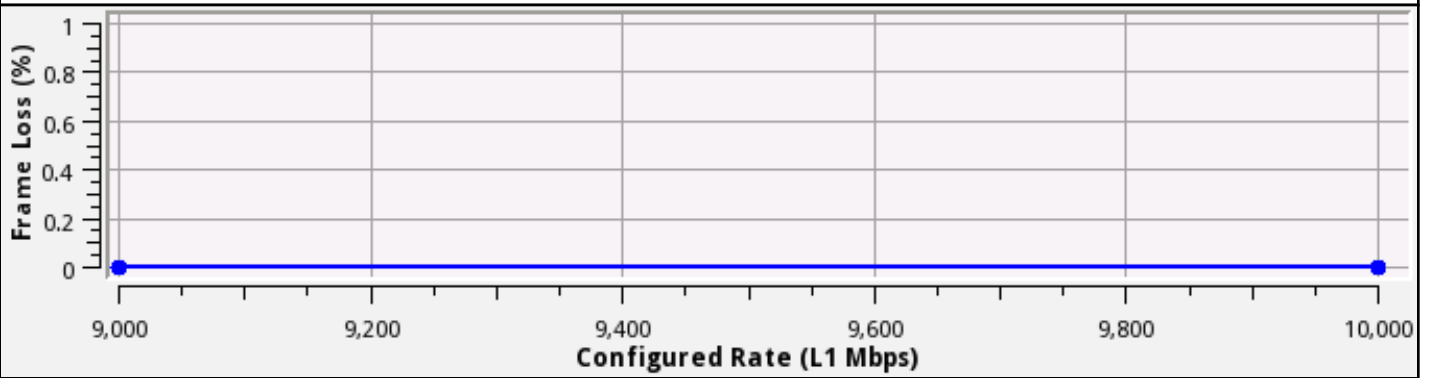
Enhanced RFC 2544: 1518 Byte Frame Loss Test Graph



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>
9411.0	0.00	0	Yes	10000.0
9000.0	0.00	0	No	9000.0

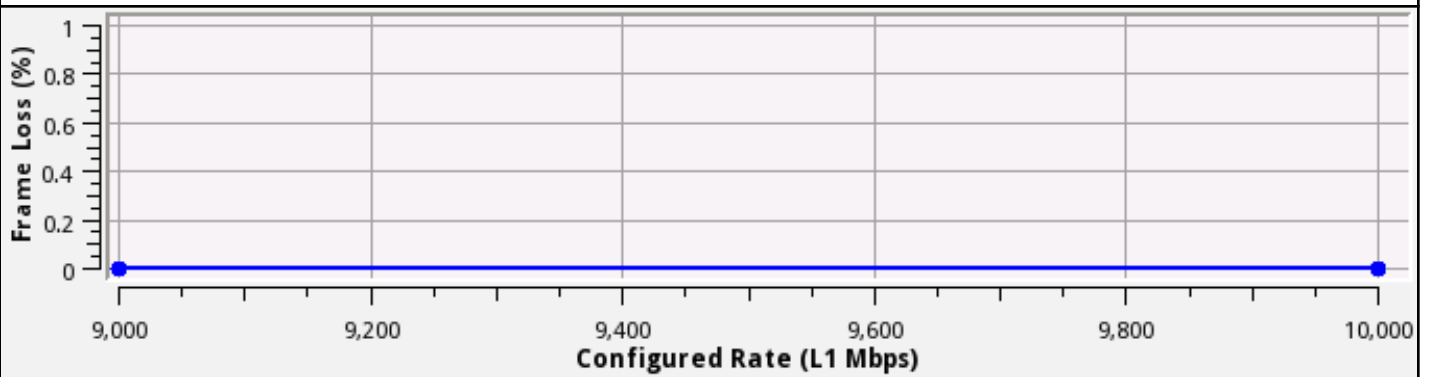
Enhanced RFC 2544: 1596 Byte Frame Loss Test Graph



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>
9406.2	0.00	0	Yes	10000.0
9000.0	0.00	0	No	9000.0

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>
9293.5	0.00	0	Yes	10000.0
9000.0	0.00	0	No	9000.0

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	00-80-16-92-9D-9A

Enhanced RFC 2544: Test Configuration	
Tests to Run	Throughput, Latency, Frame Loss
Acterna Payload Version	Version 3
Bandwidth Unit	L1 Mbps
Max Test Bandwidth (Mbps)	10000.0
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)	1000