

Generated by Viavi 5800v2

Enhanced RFC 2544 Test

Overall Test Result: Stopped by user

Throughput



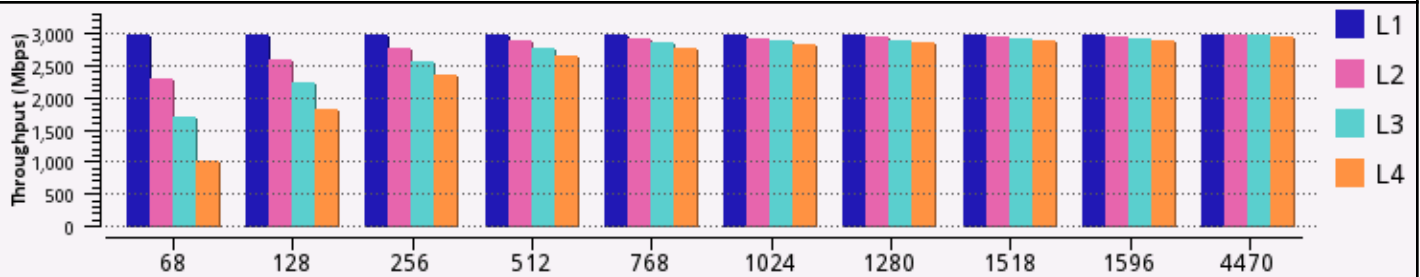
Latency



Frame Loss



Mode	Symmetric Loopback
Tests to Run	Throughput, Latency, Frame Loss
Customer Name	CABASE - 5650267
Technician ID	--
Test Location	--
Work Order	--
Comments/Notes	--
Instrument	MTS5800V2
Serial Number	WMMP0144970251
SW Version	27.1.0
Start Date	11/11/2019
End Date	Unavailable
Start Time	10:10:12
End Time	Unavailable

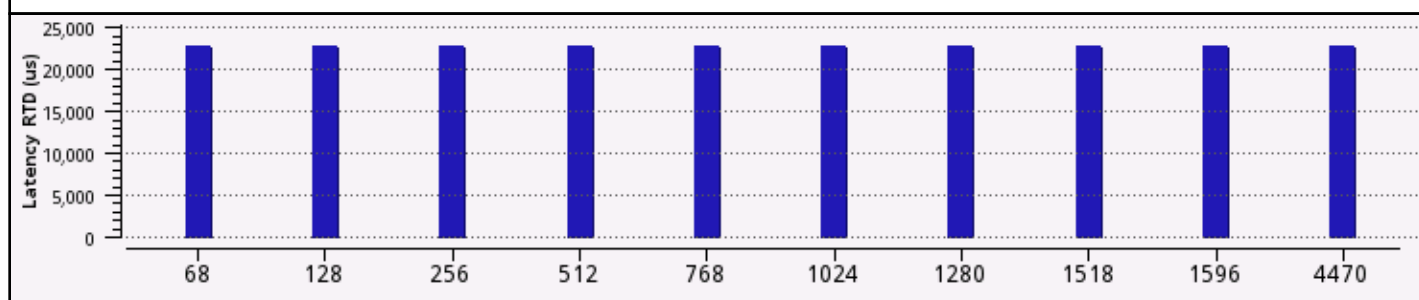
Enhanced RFC 2544: Throughput Test Graph**Enhanced RFC 2544: Throughput Test Results**

<i>Pass/Fail</i>	<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>
Pass	68	3000.8	2318.8	1705.0	1023.0	4,262,445	No	3000.0
Pass	128	3000.9	2595.4	2230.4	1824.9	2,534,581	No	3000.0
Pass	256	3000.3	2782.9	2587.2	2369.8	1,358,839	No	3000.0
Pass	512	3000.2	2887.4	2785.9	2673.1	704,932	No	3000.0
Pass	768	3000.2	2924.1	2855.5	2779.4	475,926	No	3000.0
Pass	1024	3000.4	2942.9	2891.2	2833.7	359,248	No	3000.0
Pass	1280	3000.7	2954.5	2913.0	2866.8	288,526	No	3000.0
Pass	1518	3000.4	2961.4	2926.3	2887.3	243,859	No	3000.0
Pass	1596	3000.3	2963.2	2929.7	2892.6	232,078	No	3000.0
Pass	4470	3000.8	2987.4	2975.4	2962.0	83,540	No	3000.0

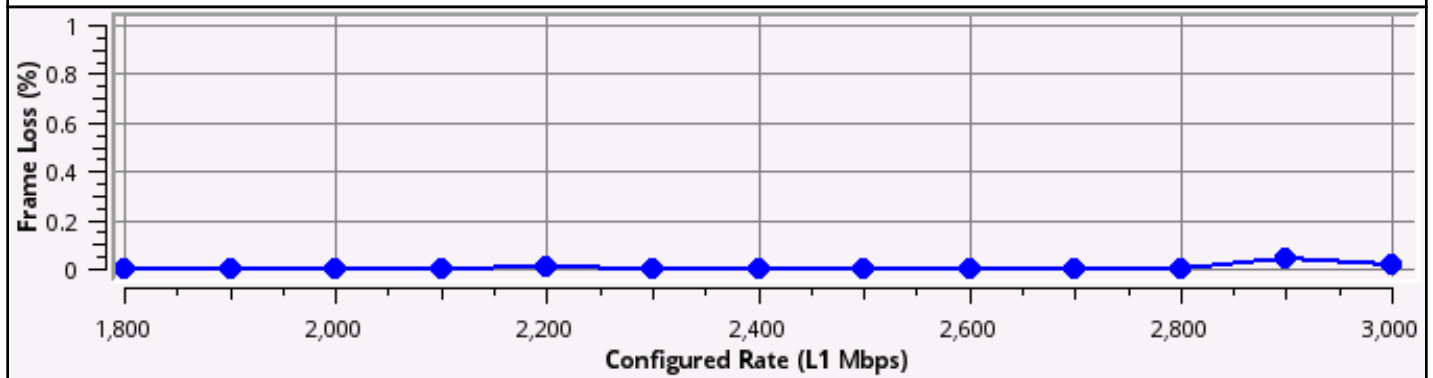
Enhanced RFC 2544: Throughput Anomalies

<i>Frame Length (Bytes)</i>	<i>OoS Frame(s) Detected</i>	<i>Acterna Payload Error Detected</i>	<i>FCS Error Detected</i>
68	No	No	No
128	No	No	No
256	No	No	No
512	No	Yes	No
768	No	No	No
1024	No	No	No

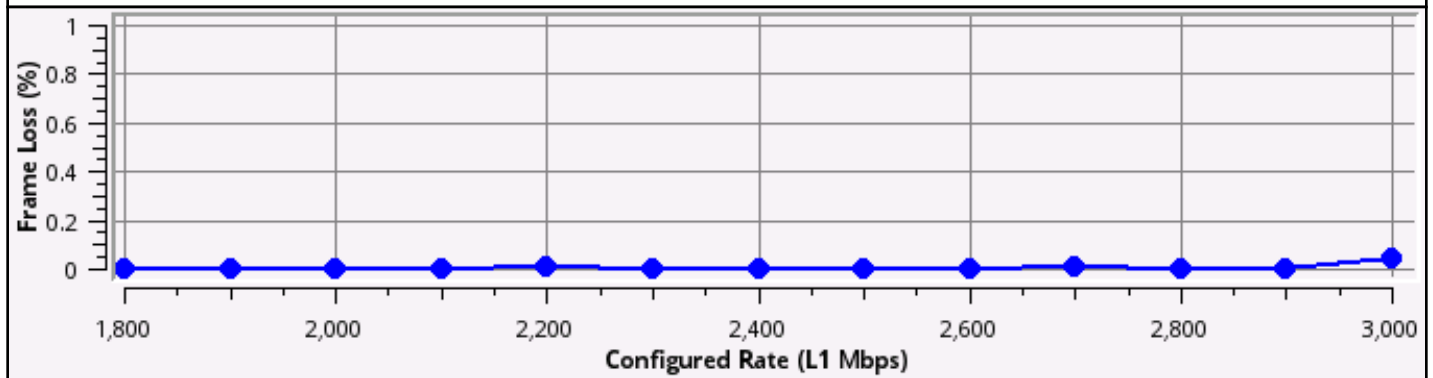
1280	No	No	No
1518	No	No	No
1596	No	No	No
4470	No	No	No

Enhanced RFC 2544: Latency Test Graph**Enhanced RFC 2544: Latency Test Results**

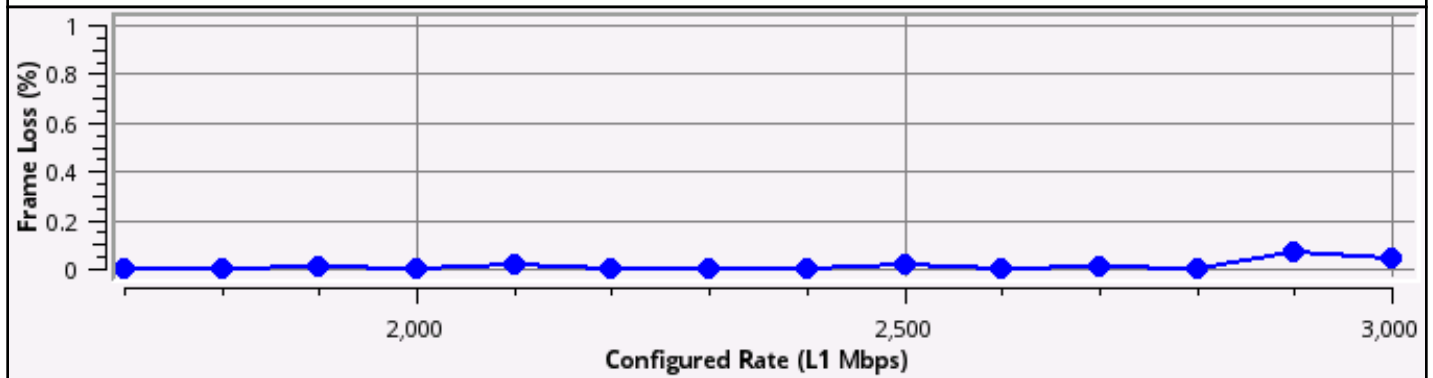
<i>Pass/Fail</i>	<i>Frame Length (Bytes)</i>	<i>Latency RTD (us)</i>	<i>Measured L1 Rate (Mbps)</i>	<i>Measured L1 (% Line Rate)</i>	<i>Measured Rate (frms/sec)</i>	<i>Pause Detect</i>
Pass	68	22856.60	2250.2	22.502	3,196,273	No
Pass	128	22857.30	2250.2	22.502	1,900,534	No
Pass	256	22859.80	2250.3	22.503	1,019,141	No
Pass	512	22857.10	2250.2	22.502	528,712	No
Pass	768	22858.30	2250.1	22.501	356,940	No
Pass	1024	22862.40	2250.1	22.501	269,406	No
Pass	1280	22869.10	2250.1	22.501	216,359	No
Pass	1518	22874.30	2250.1	22.501	182,873	No
Pass	1596	22877.30	2250.2	22.502	174,054	No
Pass	4470	22972.10	2250.6	22.506	62,657	No

Enhanced RFC 2544: 68 Byte Frame Loss Test Graph**Enhanced RFC 2544: 68 Byte Frame Loss Test Results**

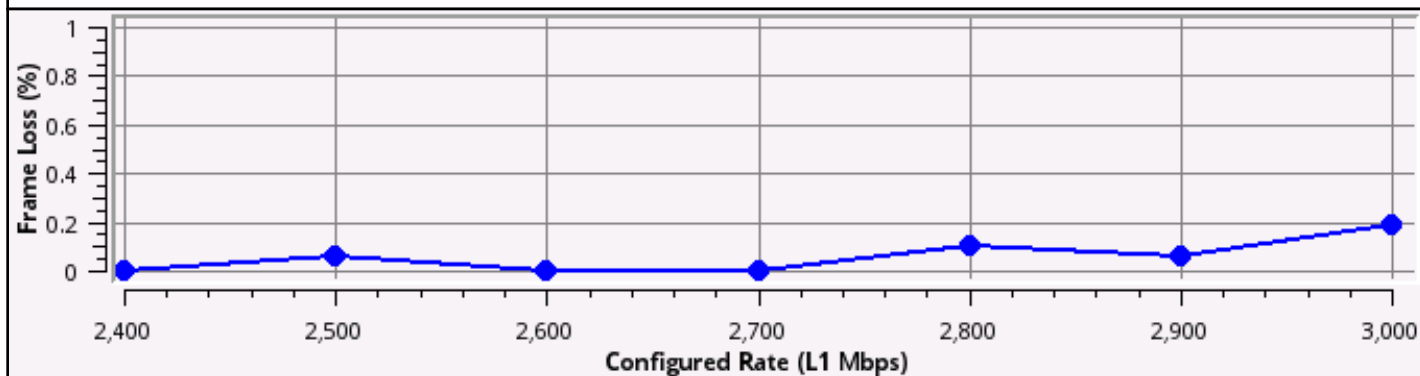
<i>Throughput Rate (L1 Mbps)</i>	<i>Frame Loss Rate (%)</i>	<i>Frames Lost</i>	<i>Pause Detect</i>	<i>Cfg Rate (L1 Mbps)</i>
3000.9	0.02	21,563	No	3000.0
2900.4	0.04	51,654	No	2900.0
2800.2	0.00	398	No	2800.0
2700.8	0.00	1,563	No	2700.0
2600.2	0.00	2,126	No	2600.0
2500.2	0.00	102	No	2500.0
2400.2	0.00	0	No	2400.0
2300.6	0.00	454	No	2300.0
2200.1	0.01	9,890	No	2200.0
2100.2	0.00	0	No	2100.0
2000.2	0.00	1,508	No	2000.0
1900.2	0.00	0	No	1900.0
1800.1	0.00	0	No	1800.0

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

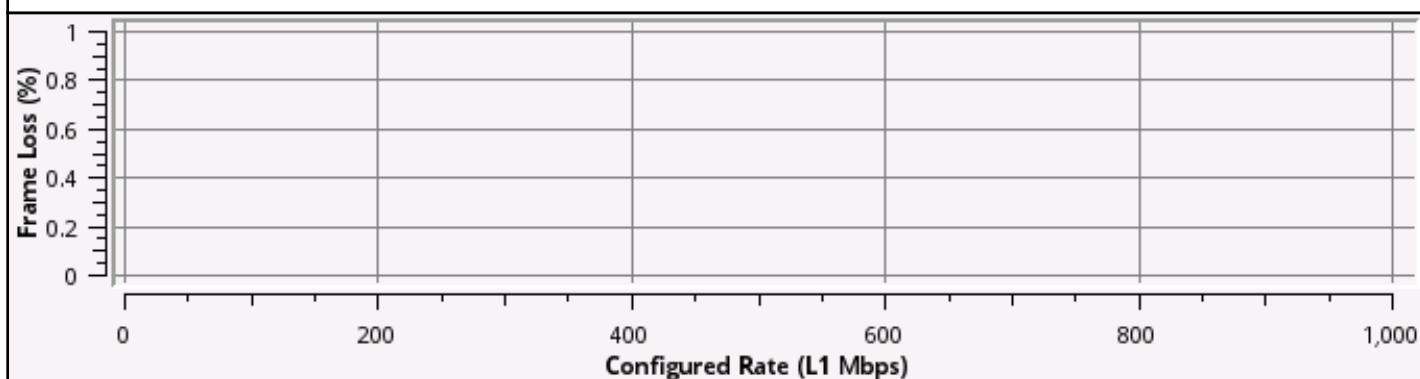
<i>Throughput Rate (L1 Mbps)</i>	<i>Frame Loss Rate (%)</i>	<i>Frames Lost</i>	<i>Error Detect</i>	<i>Pause Detect</i>	<i>Cfg Rate (L1 Mbps)</i>
3000.9	0.04	33,208	No	No	3000.0
2900.5	0.00	784	No	No	2900.0
2800.3	0.00	0	No	No	2800.0
2700.2	0.01	5,957	No	No	2700.0
2600.7	0.00	0	No	No	2600.0
2500.2	0.00	5	No	No	2500.0
2400.3	0.00	2,253	No	No	2400.0
2300.1	0.00	0	No	No	2300.0
2200.2	0.01	4,681	No	No	2200.0
2100.3	0.00	104	No	No	2100.0
2000.1	0.00	139	Yes	No	2000.0
1900.1	0.00	0	No	No	1900.0
1800.3	0.00	0	No	No	1800.0

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

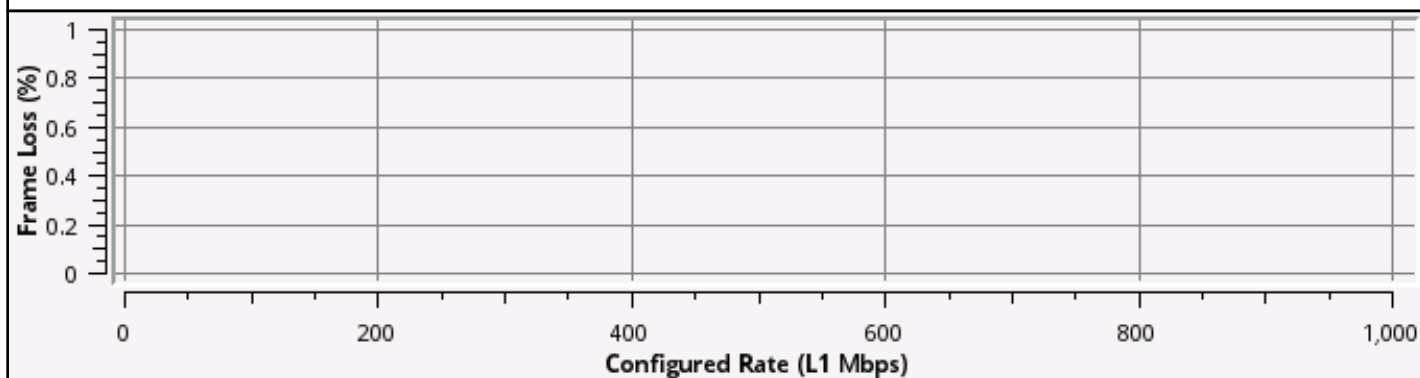
<i>Throughput Rate (L1 Mbps)</i>	<i>Frame Loss Rate (%)</i>	<i>Frames Lost</i>	<i>Error Detect</i>	<i>Pause Detect</i>	<i>Cfg Rate (L1 Mbps)</i>
3000.3	0.04	16,555	No	No	3000.0
2900.2	0.07	29,332	No	No	2900.0
2800.1	0.00	1,450	No	No	2800.0
2700.2	0.01	2,785	No	No	2700.0
2600.7	0.00	617	No	No	2600.0
2500.2	0.02	7,680	No	No	2500.0
2400.1	0.00	0	No	No	2400.0
2300.4	0.00	39	Yes	No	2300.0
2200.1	0.00	0	No	No	2200.0
2100.1	0.02	4,706	No	No	2100.0
2000.6	0.00	659	No	No	2000.0
1900.1	0.01	1,990	No	No	1900.0
1800.1	0.00	0	No	No	1800.0
1700.1	0.00	0	No	No	1700.0

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

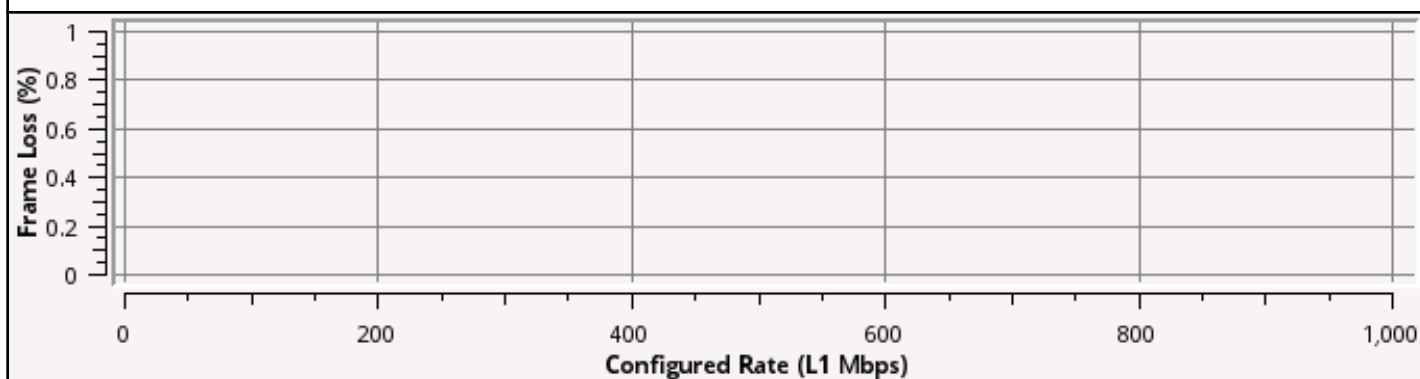
<i>Throughput Rate (L1 Mbps)</i>	<i>Frame Loss Rate (%)</i>	<i>Frames Lost</i>	<i>Pause Detect</i>	<i>Cfg Rate (L1 Mbps)</i>
3000.1	0.19	39,850	No	3000.0
2900.6	0.06	12,835	No	2900.0
2800.2	0.10	19,847	No	2800.0
2701.4	0.00	638	No	2700.0
2600.1	0.00	789	No	2600.0
2500.3	0.06	11,129	No	2500.0
2400.2	0.00	790	No	2400.0

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

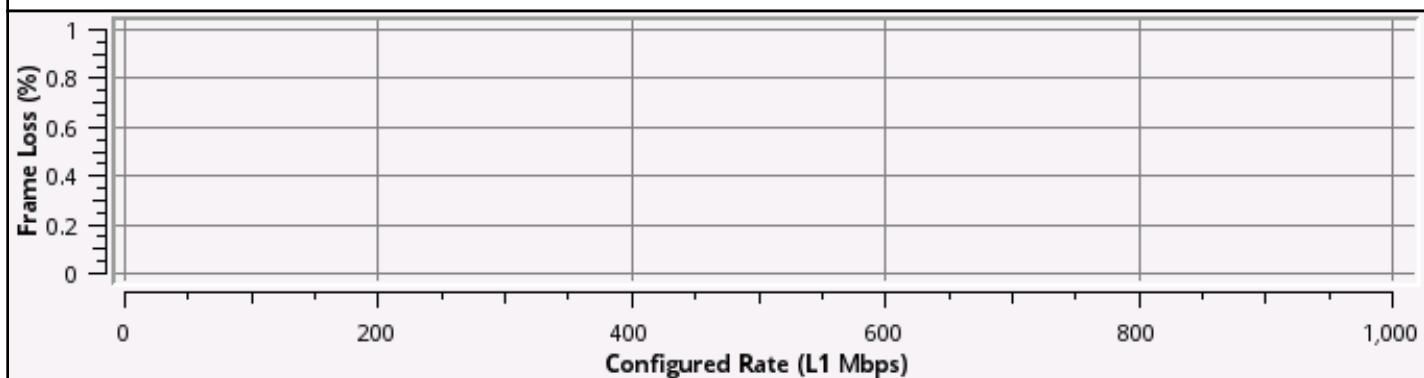
<i>Throughput Rate (L1 Mbps)</i>	<i>Frame Loss Rate (%)</i>	<i>Frames Lost</i>	<i>Pause Detect</i>	<i>Cfg Rate (L1 Mbps)</i>
---	---	---	No	---
---	---	---	No	---

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

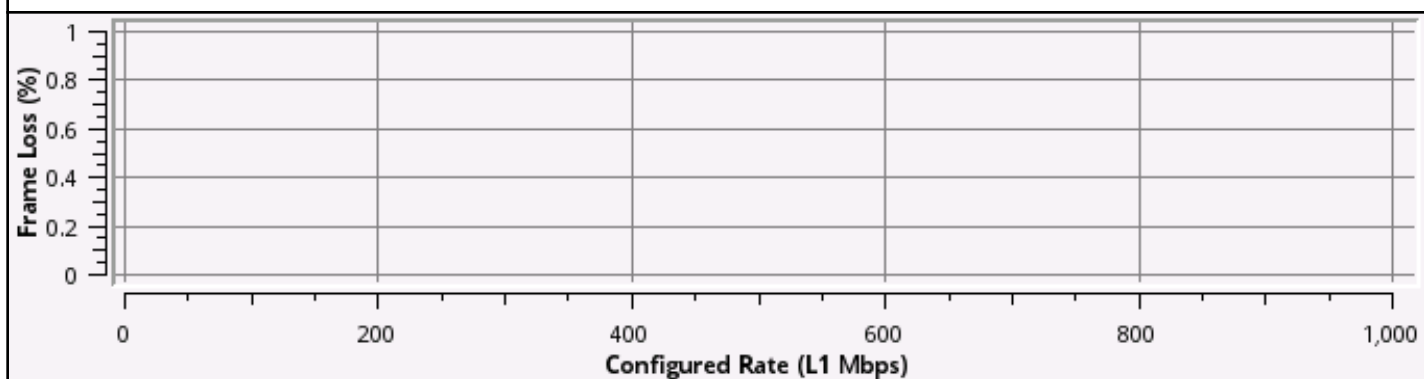
<i>Throughput Rate (L1 Mbps)</i>	<i>Frame Loss Rate (%)</i>	<i>Frames Lost</i>	<i>Pause Detect</i>	<i>Cfg Rate (L1 Mbps)</i>
---	---	---	No	---
---	---	---	No	---

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

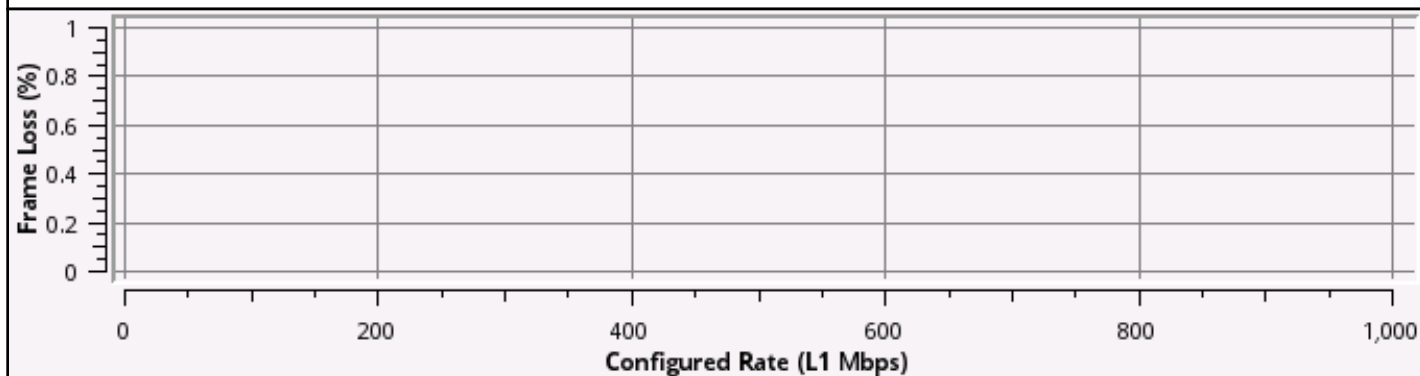
<i>Throughput Rate (L1 Mbps)</i>	<i>Frame Loss Rate (%)</i>	<i>Frames Lost</i>	<i>Pause Detect</i>	<i>Cfg Rate (L1 Mbps)</i>
---	---	---	No	---
---	---	---	No	---

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>
---	---	---	No	---
---	---	---	No	---

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>
---	---	---	No	---
---	---	---	No	---

Enhanced RFC 2544: 4470 Byte Frame Loss Test Graph**Enhanced RFC 2544: 4470 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>
---	---	---	No	---
---	---	---	No	---

Enhanced RFC 2544: Network Configuration

Frame Type	DIX
Test Mode	Traffic
Encapsulation	VLAN
VLAN ID	1806
User Priority	0 (lowest)
Loop Type	Broadcast
EtherType	0x800
Source MAC	00-80-16-93-2D-61
Auto-increment Source	No
Destination MAC	00-80-16-93-2D-75

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)	3000.0
Frame Lengths Selected (bytes)	68, 128, 256, 512, 768, 1024, 1280, 1518, 1596, 4470

Throughput Measurement Accuracy	To within 1 Mbps
Throughput Zeroing-in Process	RFC 2544 Standard
Throughput Frame Loss Tolerance (%)	.1000
All Tests Duration (s)	30
All Tests Number of Trials	1
Throughput Pass Threshold	Selected
Throughput Pass Threshold (Mbps)	3000.0
Configure Max Bandwidth per Frame Size	Not Selected
Latency Bandwidth (%)	75
Latency Pass Threshold	Selected
Latency Pass Threshold (us)	25000.0
Frame Loss Test Procedure	RFC 2544 Standard
Frame Loss Bandwidth Granularity (Mbps)	100
Test Protection	NO

Message Log

*** Starting RFC 2544 Test ***

Throughput and Latency Tests

68 byte frames

Zeroing in on maximum throughput rate

Attempting 3000.0 L1 Mbps

Now verifying 3000.0 L1 Mbps. This will take 30 seconds

Latency Test trial 1 at 75% of verified throughput load. This will take 30 seconds

128 byte frames

Zeroing in on maximum throughput rate

Attempting 3000.0 L1 Mbps

Now verifying 3000.0 L1 Mbps. This will take 30 seconds

Latency Test trial 1 at 75% of verified throughput load. This will take 30 seconds

256 byte frames

Zeroing in on maximum throughput rate

Attempting 3000.0 L1 Mbps

Now verifying 3000.0 L1 Mbps. This will take 30 seconds

Message Log (continued)

Latency Test trial 1 at 75% of verified throughput load. This will take 30 seconds

512 byte frames

Zeroing in on maximum throughput rate

Attempting 3000.0 L1 Mbps

Now verifying 3000.0 L1 Mbps. This will take 30 seconds

Latency Test trial 1 at 75% of verified throughput load. This will take 30 seconds

768 byte frames

Zeroing in on maximum throughput rate

Attempting 3000.0 L1 Mbps

Now verifying 3000.0 L1 Mbps. This will take 30 seconds

Latency Test trial 1 at 75% of verified throughput load. This will take 30 seconds

1024 byte frames

Zeroing in on maximum throughput rate

Attempting 3000.0 L1 Mbps

Now verifying 3000.0 L1 Mbps. This will take 30 seconds

Latency Test trial 1 at 75% of verified throughput load. This will take 30 seconds

1280 byte frames

Zeroing in on maximum throughput rate

Attempting 3000.0 L1 Mbps

Now verifying 3000.0 L1 Mbps. This will take 30 seconds

Latency Test trial 1 at 75% of verified throughput load. This will take 30 seconds

1518 byte frames

Zeroing in on maximum throughput rate

Attempting 3000.0 L1 Mbps

Now verifying 3000.0 L1 Mbps. This will take 30 seconds

Latency Test trial 1 at 75% of verified throughput load. This will take 30 seconds

1596 byte frames

Zeroing in on maximum throughput rate

Attempting 3000.0 L1 Mbps

Now verifying 3000.0 L1 Mbps. This will take 30 seconds

Latency Test trial 1 at 75% of verified throughput load. This will take 30 seconds

Message Log (continued)

4470 byte frames

Zeroing in on maximum throughput rate

Attempting 3000.0 L1 Mbps

Now verifying 3000.0 L1 Mbps. This will take 30 seconds

Latency Test trial 1 at 75% of verified throughput load. This will take 30 seconds

Frame Loss Test (RFC 2544 Standard)

68 byte frames

Running test at 3000.0 L1 Mbps load. This will take 30 seconds

Running test at 2900.0 L1 Mbps load. This will take 30 seconds

Running test at 2800.0 L1 Mbps load. This will take 30 seconds

Running test at 2700.0 L1 Mbps load. This will take 30 seconds

Running test at 2600.0 L1 Mbps load. This will take 30 seconds

Running test at 2500.0 L1 Mbps load. This will take 30 seconds

Running test at 2400.0 L1 Mbps load. This will take 30 seconds

Running test at 2300.0 L1 Mbps load. This will take 30 seconds

Running test at 2200.0 L1 Mbps load. This will take 30 seconds

Running test at 2100.0 L1 Mbps load. This will take 30 seconds

Running test at 2000.0 L1 Mbps load. This will take 30 seconds

Running test at 1900.0 L1 Mbps load. This will take 30 seconds

Running test at 1800.0 L1 Mbps load. This will take 30 seconds

128 byte frames

Running test at 3000.0 L1 Mbps load. This will take 30 seconds

Running test at 2900.0 L1 Mbps load. This will take 30 seconds

Running test at 2800.0 L1 Mbps load. This will take 30 seconds

Running test at 2700.0 L1 Mbps load. This will take 30 seconds

Running test at 2600.0 L1 Mbps load. This will take 30 seconds

Running test at 2500.0 L1 Mbps load. This will take 30 seconds

Running test at 2400.0 L1 Mbps load. This will take 30 seconds

Running test at 2300.0 L1 Mbps load. This will take 30 seconds

Running test at 2200.0 L1 Mbps load. This will take 30 seconds

Running test at 2100.0 L1 Mbps load. This will take 30 seconds

Running test at 2000.0 L1 Mbps load. This will take 30 seconds

Running test at 1900.0 L1 Mbps load. This will take 30 seconds

Running test at 1800.0 L1 Mbps load. This will take 30 seconds

256 byte frames

Running test at 3000.0 L1 Mbps load. This will take 30 seconds

Running test at 2900.0 L1 Mbps load. This will take 30 seconds

Running test at 2800.0 L1 Mbps load. This will take 30 seconds

Running test at 2700.0 L1 Mbps load. This will take 30 seconds

Running test at 2600.0 L1 Mbps load. This will take 30 seconds

Running test at 2500.0 L1 Mbps load. This will take 30 seconds

Message Log (continued)

Running test at 2400.0 L1 Mbps load. This will take 30 seconds
Running test at 2300.0 L1 Mbps load. This will take 30 seconds
Running test at 2200.0 L1 Mbps load. This will take 30 seconds
Running test at 2100.0 L1 Mbps load. This will take 30 seconds
Running test at 2000.0 L1 Mbps load. This will take 30 seconds
Running test at 1900.0 L1 Mbps load. This will take 30 seconds
Running test at 1800.0 L1 Mbps load. This will take 30 seconds
Running test at 1700.0 L1 Mbps load. This will take 30 seconds

512 byte frames

Running test at 3000.0 L1 Mbps load. This will take 30 seconds
Running test at 2900.0 L1 Mbps load. This will take 30 seconds
Running test at 2800.0 L1 Mbps load. This will take 30 seconds
Running test at 2700.0 L1 Mbps load. This will take 30 seconds
Running test at 2600.0 L1 Mbps load. This will take 30 seconds
Running test at 2500.0 L1 Mbps load. This will take 30 seconds
Running test at 2400.0 L1 Mbps load. This will take 30 seconds
Running test at 2300.0 L1 Mbps load. This will take 30 seconds

11/11/2019 10:53:40 Remote Loop Status

Remote Loop Down Successful:Unit **JDSU-WMMP0144970222-01** Out of LLB Mode