



MetroScope™

Service Provider Assistant



ProVision Test Suite Summary		
Direction	Downstream	Upstream
IP Address	192.168.002.004	
MAC Address	00c017b60841	
VLAN Pri/TOS	--/2	
Tx Rate (bps)	996.6K	
Rx Rate (bps)	996.6K	
Tx Rate (fps)	81	
Rx Rate (fps)	81	
Frames Sent	162	
Frames Lost	0	
Loss Ratio	0%	
Err Intervals	0	
Bit Error Rate	<5.056E-07	
Current Latency	231.0 us	
Average Latency	208.5 us	
Current Jitter	0.0 ns	
Average Jitter	0.0 us	
ProVision Test Suite Summary		
Direction	Downstream	Upstream
IP Address	192.168.002.004	
MAC Address	00c017b60841	
VLAN Pri/TOS	--/4	
Tx Rate (bps)	9.978M	
Rx Rate (bps)	9.978M	
Tx Rate (fps)	811	
Rx Rate (fps)	811	

Frames Sent	1622
Frames Lost	0
Loss Ratio	0%
Err Intervals	0
Bit Error Rate	<5.050E-08
Current Latency	218.0 us
Average Latency	232.8 us
Current Jitter	0.0 ns
Average Jitter	0.0 us

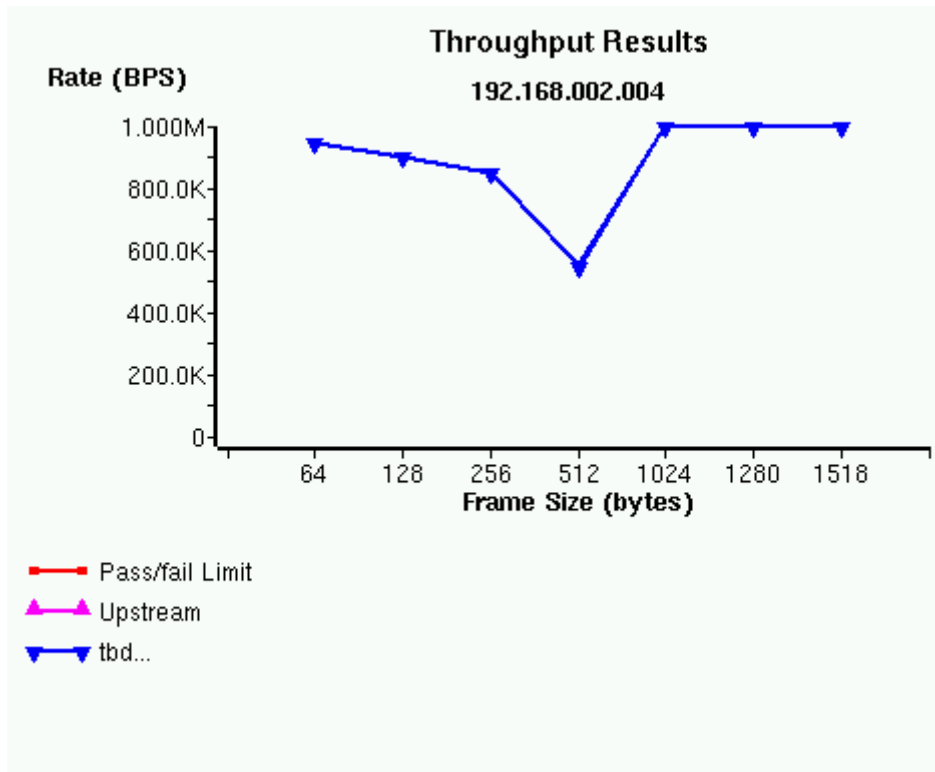
ProViste Test Suite Summary		
Direction	Downstream	Upstream
IP Address	192.168.002.004	
MAC Address	00c017b60841	
VLAN Pri/TOS	--/7	
Tx Rate (bps)	19.99M	
Rx Rate (bps)	19.99M	
Tx Rate (fps)	1625	
Rx Rate (fps)	1625	
Frames Sent	3250	
Frames Lost	0	
Loss Ratio	0%	
Err Intervals	0	
Bit Error Rate	<2.520E-08	
Current Latency	185.5 us	
Average Latency	185.5 us	
Current Jitter	0.0 ns	
Average Jitter	0.0 us	

test suite 1 (stream #1)	
Throughput Test Configuration	
Local Device	
IP:	192.168.002.022

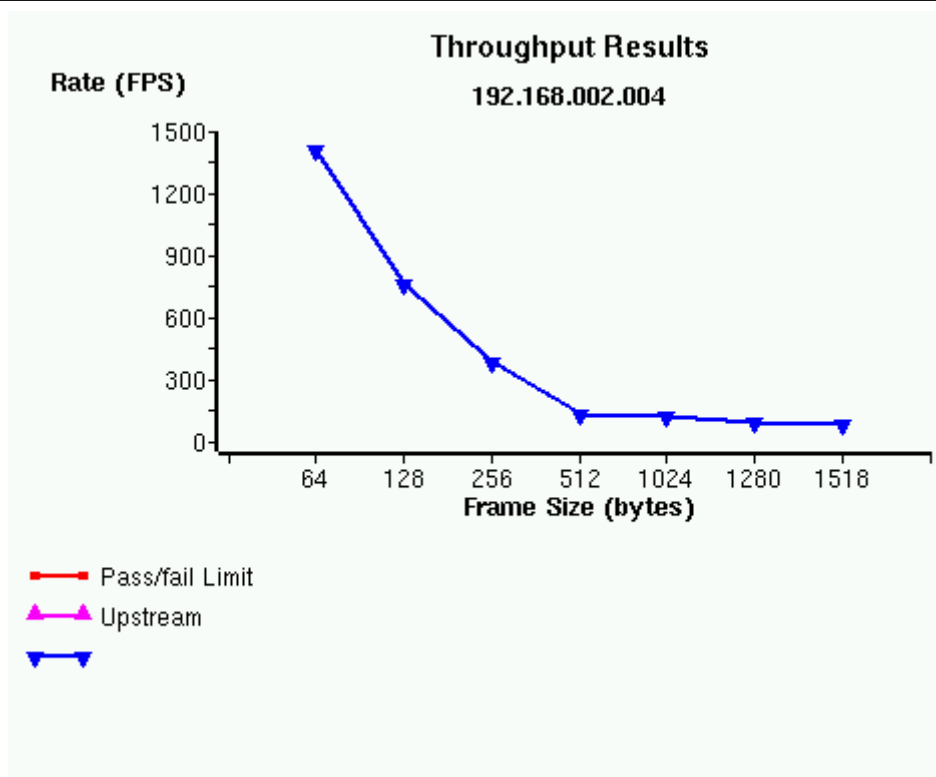
Link Speed:	100Mb
Duplex:	Full
Remote Device	
IP:	192.168.002.004
Type:	Reflector
Frame Description	
Frame Size:	RFC2544 Sweep
Contents:	Incrementing Byte
Port:	3842
Device QoS Options	
DiffServe Code Point (DSCP):	2
Test Limit and Duration	
Pass/Fail Rate:	n/a
Duration:	2 secs

Frame Size	Throughput Results - Downstream (remote to local)						Test Status
	Transmit Rate (Fps)	Receive Rate (Fps)	Loss Rate (Fps)	Transmit Rate (bps)	Receive Rate (bps)	Loss Rate (bps)	
64	1408	1408	<1	946.1K	946.1K	<1	— Complete
128	762	762	<1	902.2K	902.2K	<1	— Complete
256	384	384	<1	847.8K	847.8K	<1	— Complete
512	128	128	<1	544.7K	544.7K	<1	— Complete
1024	119	119	<1	993.8K	993.8K	<1	— Complete
1280	96	96	<1	998.4K	998.4K	<1	— Complete
1518	81	81	<1	996.6K	996.6K	<1	— Complete

Throughput Graph - 192.168.002.004










Throughput Graph - 192.168.002.004

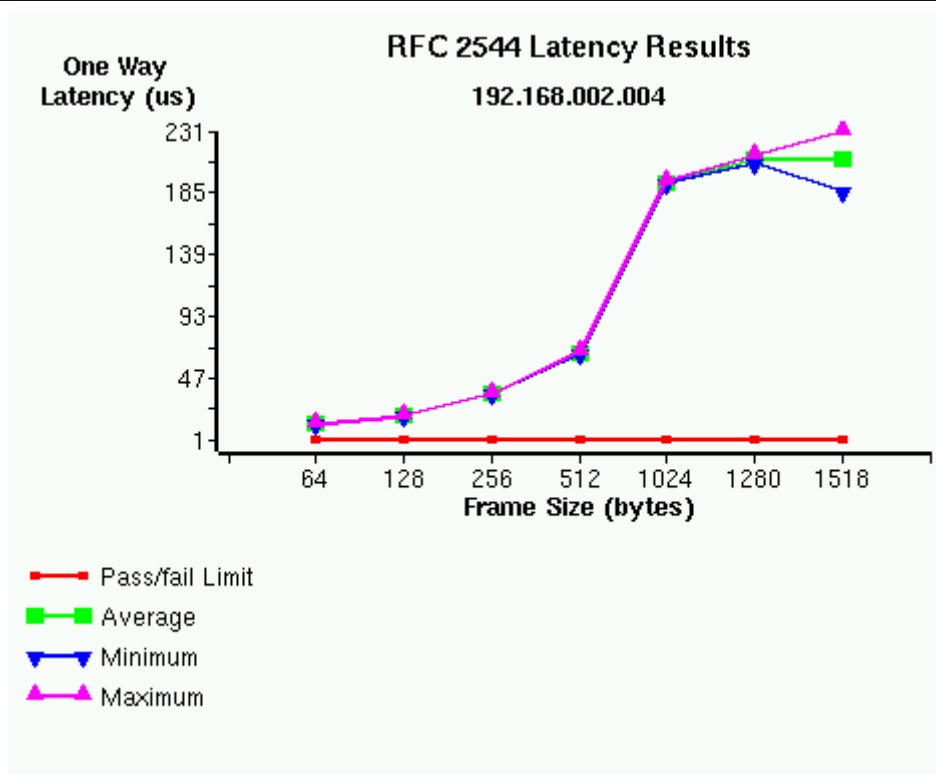


Latency Test Configuration	
Local Device	
IP:	192.168.002.022
Link Speed:	100Mb
Duplex:	Full
Remote Device	
IP:	192.168.002.004
Type:	Reflector
Frame Description	
Contents:	Incrementing Byte
Port:	3842
Device QoS Options	
DiffServe Code Point (DSCP):	2
Test Limit and Duration	
Pass/Fail Latency:	

Duration: 2 secs

Frame Size	Latency Results					
	Samples	Minimum (OneWay)	Maximum (OneWay)	Average (OneWay)	Round Trip	Test Status
64	2	11.5 us	11.5 us	11.5 us	23.0 us	 Failed
128	2	19.0 us	19.0 us	19.0 us	38.0 us	 Failed
256	2	34.5 us	34.5 us	34.5 us	69.0 us	 Failed
512	2	65.0 us	65.5 us	65.2 us	130.0 us	 Failed
1024	2	190.5 us	193.0 us	191.8 us	381.0 us	 Failed
1280	2	207.0 us	211.5 us	209.2 us	414.0 us	 Failed
1518	2	186.0 us	231.0 us	208.5 us	462.0 us	 Failed

Latency Graph - 192.168.002.004

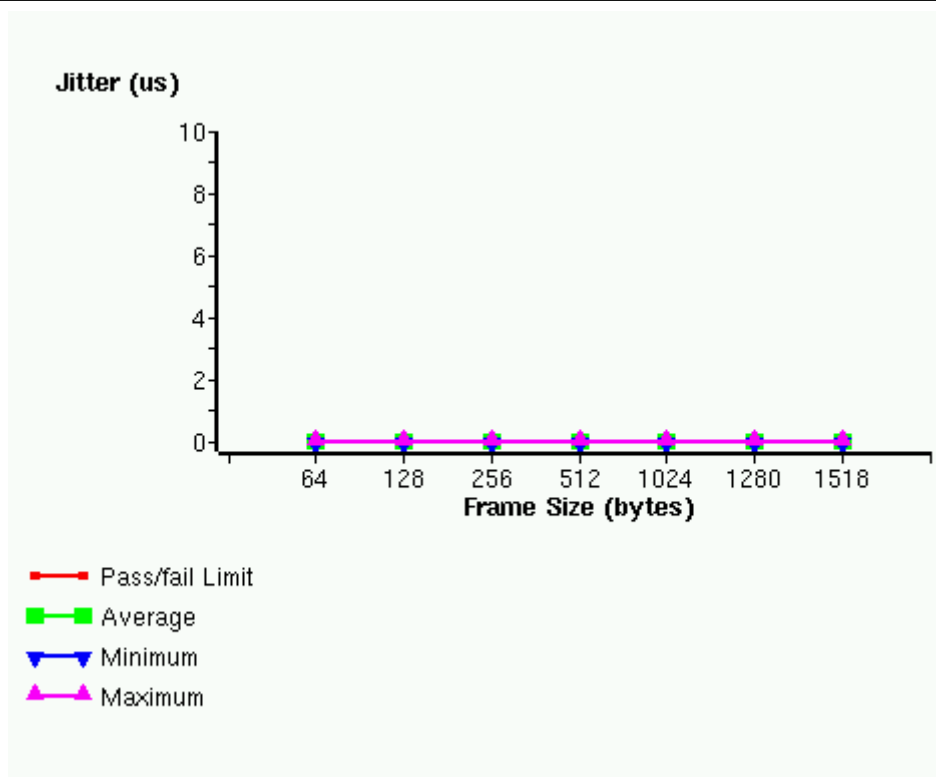


Jitter Test Configuration	
Local Device	
IP:	192.168.002.022
Link Speed:	100Mb
Duplex:	Full
Remote Device	
IP:	192.168.002.004
Type:	Reflector
Frame Description	
Contents:	Incrementing Byte
Port:	3842
Device QoS Options	
DiffServe Code Point (DSCP):	2
Test Limit and Duration	
Pass/Fail Jitter:	n/a

Duration: 2 secs

Frame Size	Jitter Results - Downstream (remote to local)			
	Frames Rcvd	Frames Lost	Jitter	Test Status
64	2816	0	0.0 ns	— Complete
128	1524	0	0.0 ns	— Complete
256	768	0	0.0 ns	— Complete
512	256	0	0.0 ns	— Complete
1024	238	0	0.0 ns	— Complete
1280	192	0	0.0 ns	— Complete
1518	162	0	0.0 ns	— Complete

Jitter Graph - 192.168.002.004

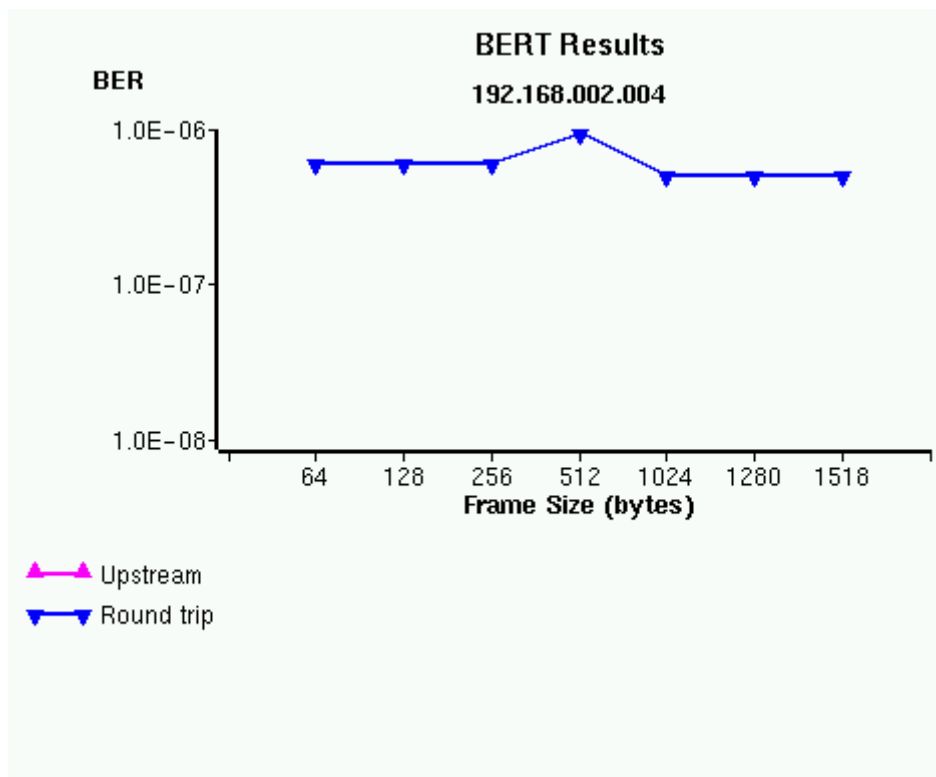


Loss/BERT Test Configuration	
Local Device	
IP:	192.168.002.022
Link Speed:	100Mb
Duplex:	Full
Remote Device	
IP:	192.168.002.004
Type:	Reflector
Frame Description	
Contents:	Incrementing Byte
Port:	3842
Device QoS Options	
DiffServe Code Point (DSCP):	2
Test Limit and Duration	
Pass/Fail BER:	

Duration:	2 secs
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Frame Size	Loss/BERT Results - Downstream (remote to local)				
	Frames Lost	Loss Ratio	Errored Intervals	Bit Error Rate	Test Status
64	0	0%	0	<6.165E-07	— Complete
128	0	0%	0	<6.031E-07	— Complete
256	0	0%	0	<6.165E-07	— Complete
512	0	0%	0	<9.390E-07	— Complete
1024	0	0%	0	<5.089E-07	— Complete
1280	0	0%	0	<5.055E-07	— Complete
1518	0	0%	0	<5.056E-07	— Complete

Loss/BERT Graph - 192.168.002.004

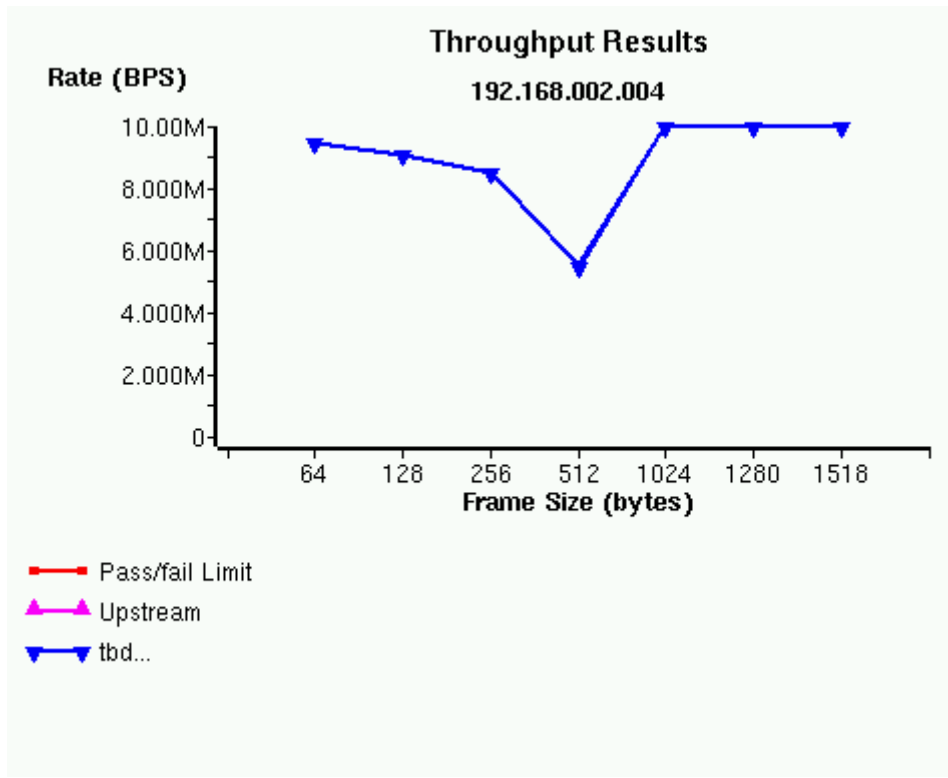


test suite 1 (stream #2)	
Throughput Test Configuration	
Local Device	
IP:	192.168.002.022
Link Speed:	100Mb
Duplex:	Full
Remote Device	
IP:	192.168.002.004
Type:	Reflector
Frame Description	
Frame Size:	RFC2544 Sweep
Contents:	Incrementing Byte
Port:	3842
Device QoS Options	
DiffServe Code Point (DSCP):	4

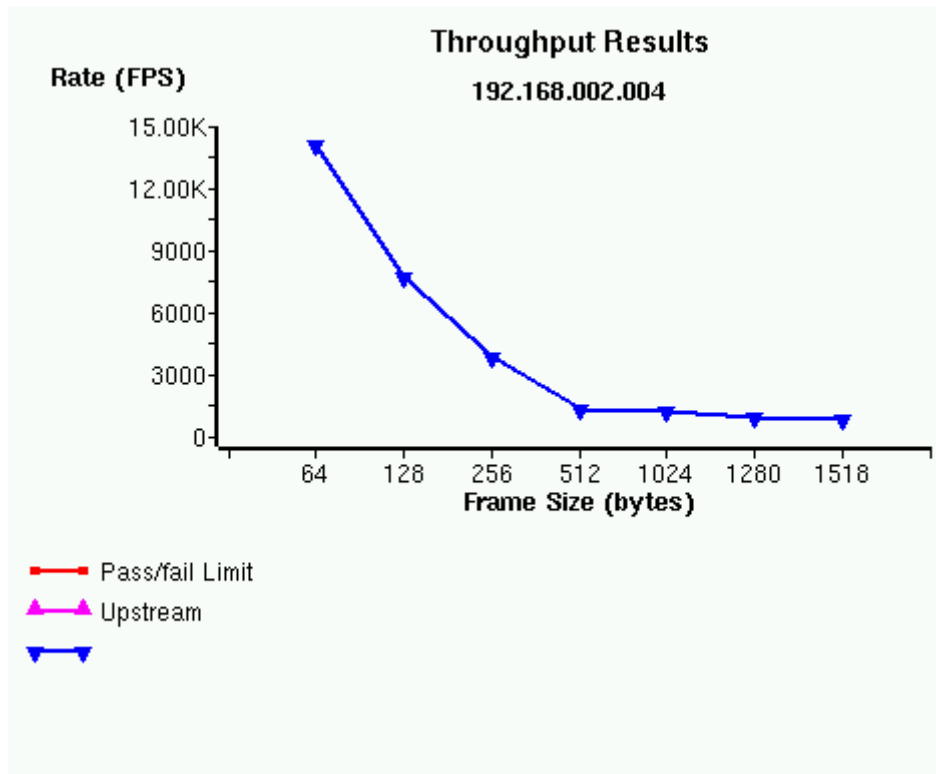
Test Limit and Duration	
Pass/Fail Rate:	n/a
Duration:	2 secs

Frame Size	Throughput Results - Downstream (remote to local)						Test Status
	Transmit Rate (Fps)	Receive Rate (Fps)	Loss Rate (Fps)	Transmit Rate (bps)	Receive Rate (bps)	Loss Rate (bps)	
64	14080	14080	<1	9.461M	9.461M	<1	— Complete
128	7680	7680	<1	9.093M	9.093M	<1	— Complete
256	3846	3846	<1	8.491M	8.491M	<1	— Complete
512	1284	1284	<1	5.464M	5.464M	<1	— Complete
1024	1197	1197	<1	9.997M	9.997M	<1	— Complete
1280	961	961	<1	9.994M	9.994M	<1	— Complete
1518	811	811	<1	9.978M	9.978M	<1	— Complete

Throughput Graph - 192.168.002.004



Throughput Graph - 192.168.002.004

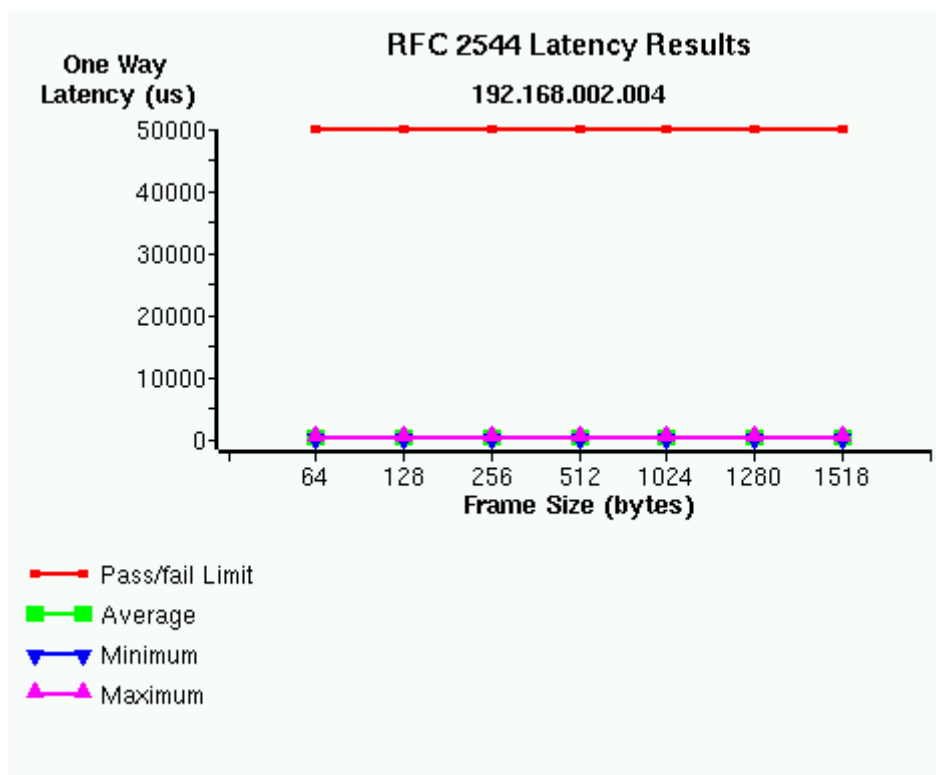


Latency Test Configuration	
Local Device	
IP:	192.168.002.022
Link Speed:	100Mb
Duplex:	Full
Remote Device	
IP:	192.168.002.004
Type:	Reflector
Frame Description	
Contents:	Incrementing Byte
Port:	3842
Device QoS Options	
DiffServe Code Point (DSCP):	4
Test Limit and Duration	
Pass/Fail Latency:	

Duration: 2 secs

Frame Size	Latency Results					
	Samples	Minimum (OneWay)	Maximum (OneWay)	Average (OneWay)	Round Trip	Test Status
64	2	11.0 us	11.5 us	11.2 us	23.0 us	✓ Passed
128	2	19.0 us	19.0 us	19.0 us	38.0 us	✓ Passed
256	2	34.0 us	34.5 us	34.2 us	69.0 us	✓ Passed
512	2	65.0 us	65.0 us	65.0 us	130.0 us	✓ Passed
1024	2	169.5 us	184.5 us	177.0 us	369.0 us	✓ Passed
1280	2	194.5 us	195.5 us	195.0 us	389.0 us	✓ Passed
1518	2	218.0 us	247.5 us	232.8 us	436.0 us	✓ Passed

Latency Graph - 192.168.002.004

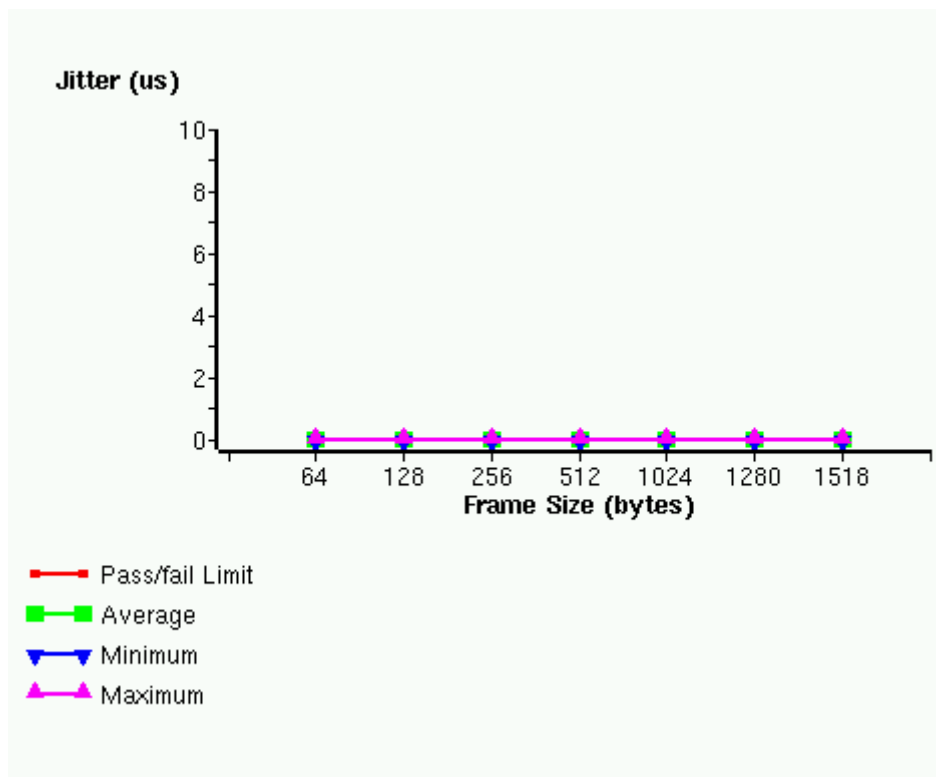


Jitter Test Configuration	
Local Device	
IP:	192.168.002.022
Link Speed:	100Mb
Duplex:	Full
Remote Device	
IP:	192.168.002.004
Type:	Reflector
Frame Description	
Contents:	Incrementing Byte
Port:	3842
Device QoS Options	
DiffServe Code Point (DSCP):	4
Test Limit and Duration	
Pass/Fail Jitter:	n/a

Duration: 2 secs

Frame Size	Jitter Results - Downstream (remote to local)			
	Frames Rcvd	Frames Lost	Jitter	Test Status
64	28.16K	0	0.0 ns	— Complete
128	15.36K	0	0.0 ns	— Complete
256	7692	0	0.0 ns	— Complete
512	2568	0	0.0 ns	— Complete
1024	2394	0	0.0 ns	— Complete
1280	1922	0	0.0 ns	— Complete
1518	1622	0	0.0 ns	— Complete

Jitter Graph - 192.168.002.004

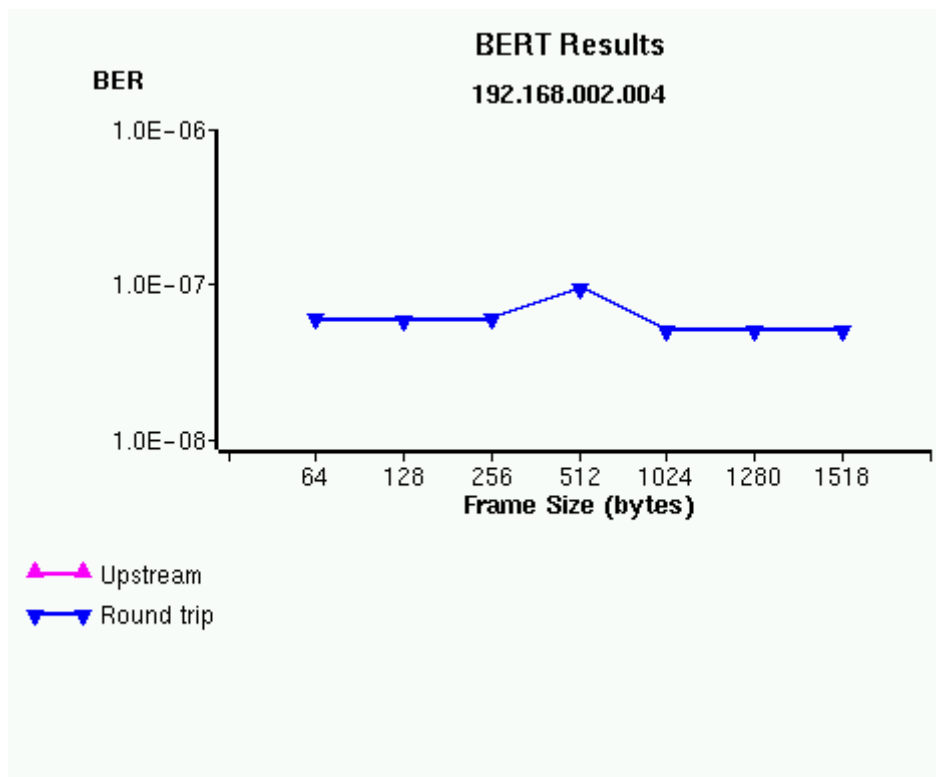


Loss/BERT Test Configuration	
Local Device	
IP:	192.168.002.022
Link Speed:	100Mb
Duplex:	Full
Remote Device	
IP:	192.168.002.004
Type:	Reflector
Frame Description	
Contents:	Incrementing Byte
Port:	3842
Device QoS Options	
DiffServe Code Point (DSCP):	4
Test Limit and Duration	
Pass/Fail BER:	

Duration:	2 secs
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Frame Size	Loss/BERT Results - Downstream (remote to local)				
	Frames Lost	Loss Ratio	Errored Intervals	Bit Error Rate	Test Status
64	0	0%	0	<6.165E-08	— Complete
128	0	0%	0	<5.984E-08	— Complete
256	0	0%	0	<6.156E-08	— Complete
512	0	0%	0	<9.361E-08	— Complete
1024	0	0%	0	<5.059E-08	— Complete
1280	0	0%	0	<5.049E-08	— Complete
1518	0	0%	0	<5.050E-08	— Complete

Loss/BERT Graph - 192.168.002.004

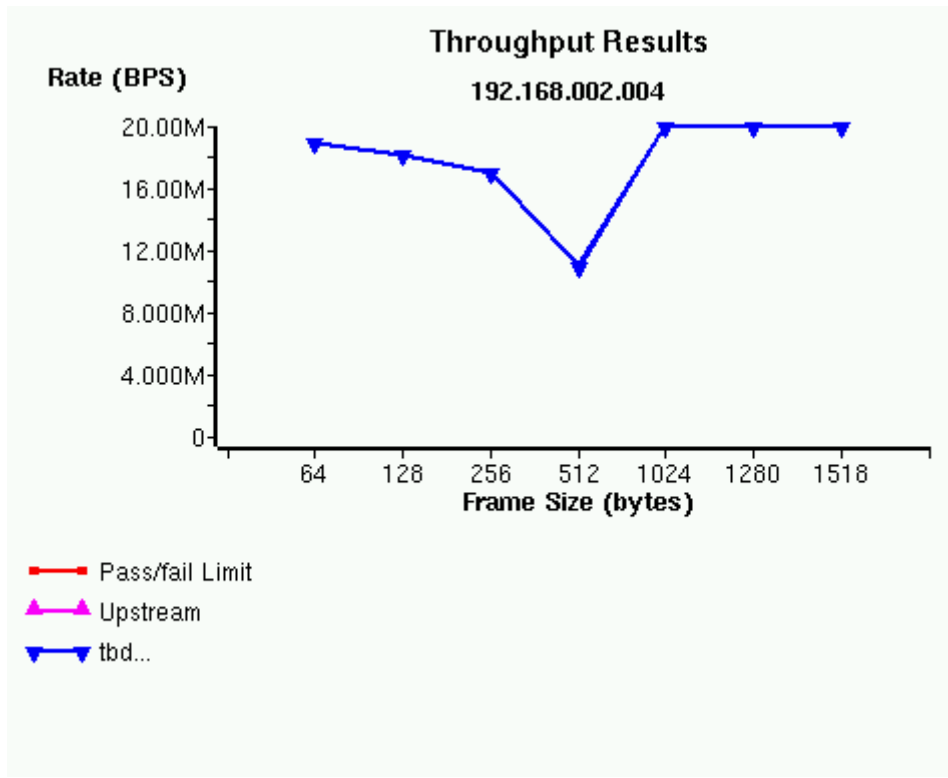


test suite 1 (stream #3)	
Throughput Test Configuration	
Local Device	
IP:	192.168.002.022
Link Speed:	100Mb
Duplex:	Full
Remote Device	
IP:	192.168.002.004
Type:	Reflector
Frame Description	
Frame Size:	RFC2544 Sweep
Contents:	Incrementing Byte
Port:	3842
Device QoS Options	
DiffServe Code Point (DSCP):	7

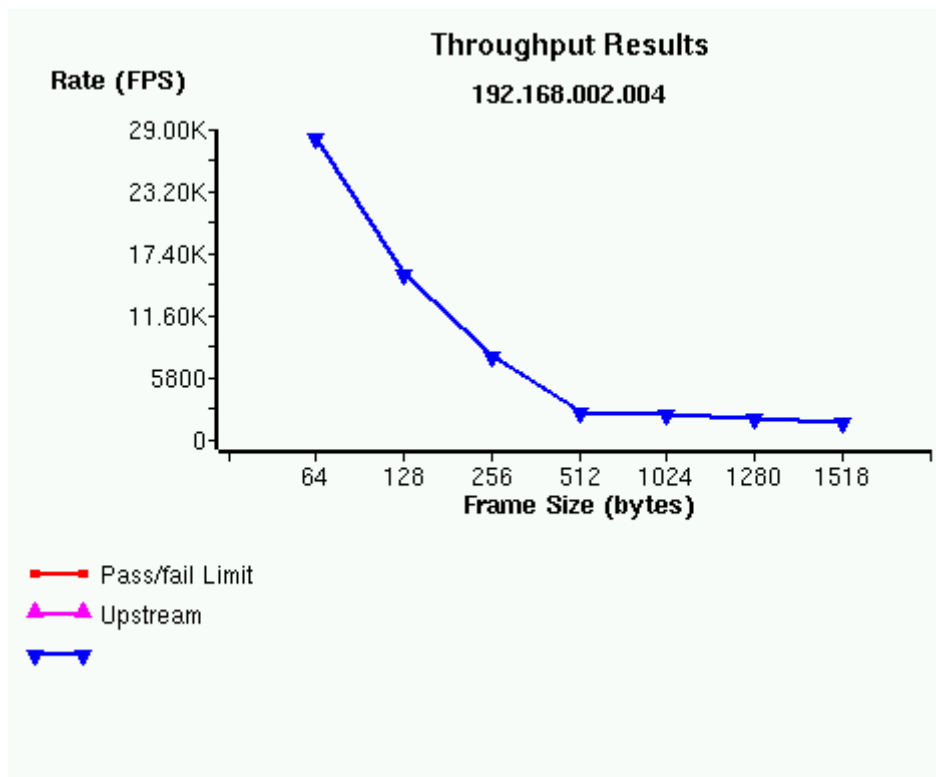
Test Limit and Duration	
Pass/Fail Rate:	n/a
Duration:	2 secs

Frame Size	Throughput Results - Downstream (remote to local)						Test Status
	Transmit Rate (Fps)	Receive Rate (Fps)	Loss Rate (Fps)	Transmit Rate (bps)	Receive Rate (bps)	Loss Rate (bps)	
64	28160	28160	<1	18.92M	18.92M	<1	— Complete
128	15366	15366	<1	18.19M	18.19M	<1	— Complete
256	7692	7692	<1	16.98M	16.98M	<1	— Complete
512	2570	2570	<1	10.93M	10.93M	<1	— Complete
1024	2394	2394	<1	19.99M	19.99M	<1	— Complete
1280	1923	1923	<1	19.99M	19.99M	<1	— Complete
1518	1625	1625	<1	19.99M	19.99M	<1	— Complete

Throughput Graph - 192.168.002.004



Throughput Graph - 192.168.002.004

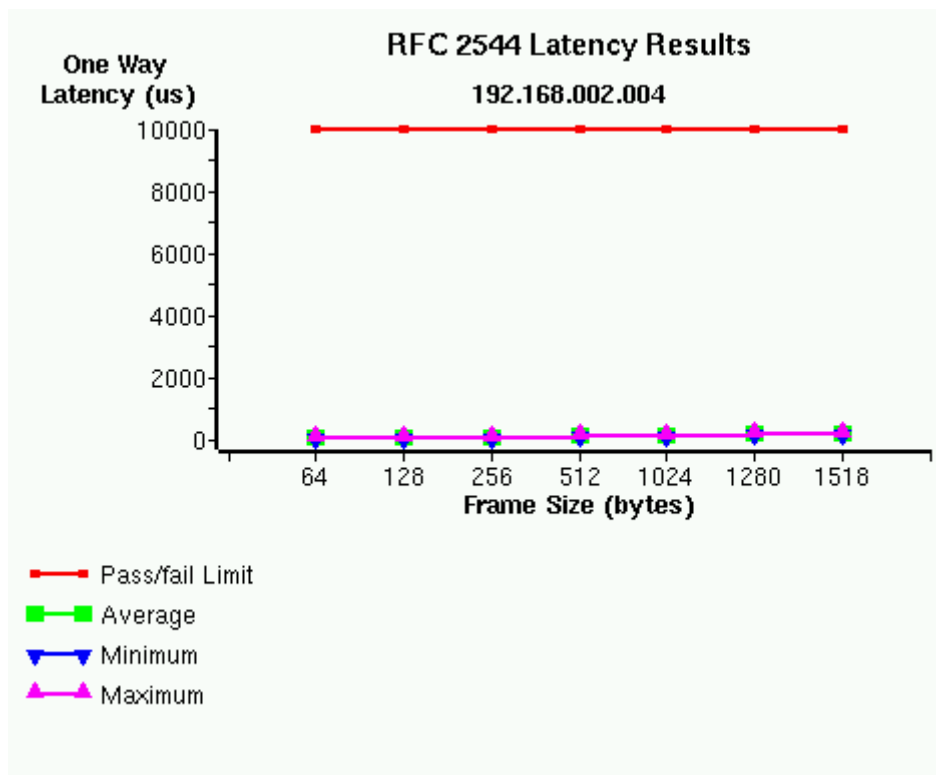


Latency Test Configuration	
Local Device	
IP:	192.168.002.022
Link Speed:	100Mb
Duplex:	Full
Remote Device	
IP:	192.168.002.004
Type:	Reflector
Frame Description	
Contents:	Incrementing Byte
Port:	3842
Device QoS Options	
DiffServe Code Point (DSCP):	7
Test Limit and Duration	
Pass/Fail Latency:	

Duration: 2 secs

Frame Size	Latency Results					
	Samples	Minimum (OneWay)	Maximum (OneWay)	Average (OneWay)	Round Trip	Test Status
64	2	11.5 us	11.5 us	11.5 us	23.0 us	✓ Passed
128	2	18.5 us	18.5 us	18.5 us	37.0 us	✓ Passed
256	2	34.0 us	34.5 us	34.2 us	68.0 us	✓ Passed
512	2	65.0 us	65.0 us	65.0 us	130.0 us	✓ Passed
1024	2	126.5 us	126.5 us	126.5 us	253.0 us	✓ Passed
1280	2	157.5 us	157.5 us	157.5 us	315.0 us	✓ Passed
1518	2	185.5 us	185.5 us	185.5 us	371.0 us	✓ Passed

Latency Graph - 192.168.002.004

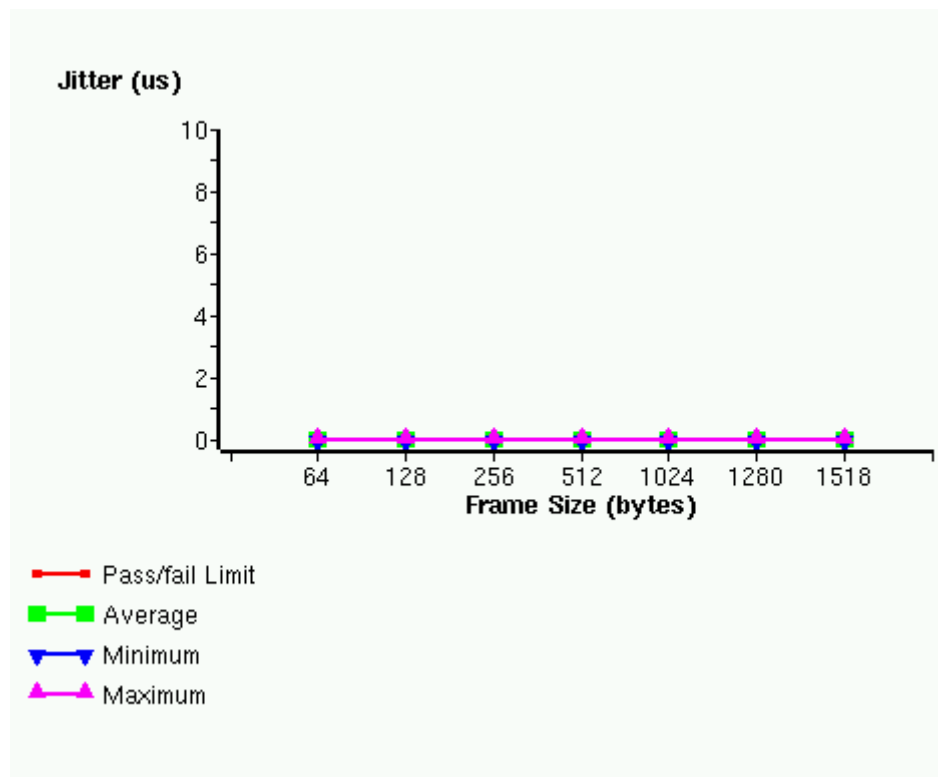


Jitter Test Configuration	
Local Device	
IP:	192.168.002.022
Link Speed:	100Mb
Duplex:	Full
Remote Device	
IP:	192.168.002.004
Type:	Reflector
Frame Description	
Contents:	Incrementing Byte
Port:	3842
Device QoS Options	
DiffServe Code Point (DSCP):	7
Test Limit and Duration	
Pass/Fail Jitter:	n/a

Duration: 2 secs

Frame Size	Jitter Results - Downstream (remote to local)			
	Frames Rcvd	Frames Lost	Jitter	Test Status
64	56.32K	0	0.0 ns	— Complete
128	30.73K	0	0.0 ns	— Complete
256	15.38K	0	0.0 ns	— Complete
512	5140	0	0.0 ns	— Complete
1024	4788	0	0.0 ns	— Complete
1280	3846	0	0.0 ns	— Complete
1518	3250	0	0.0 ns	— Complete

Jitter Graph - 192.168.002.004

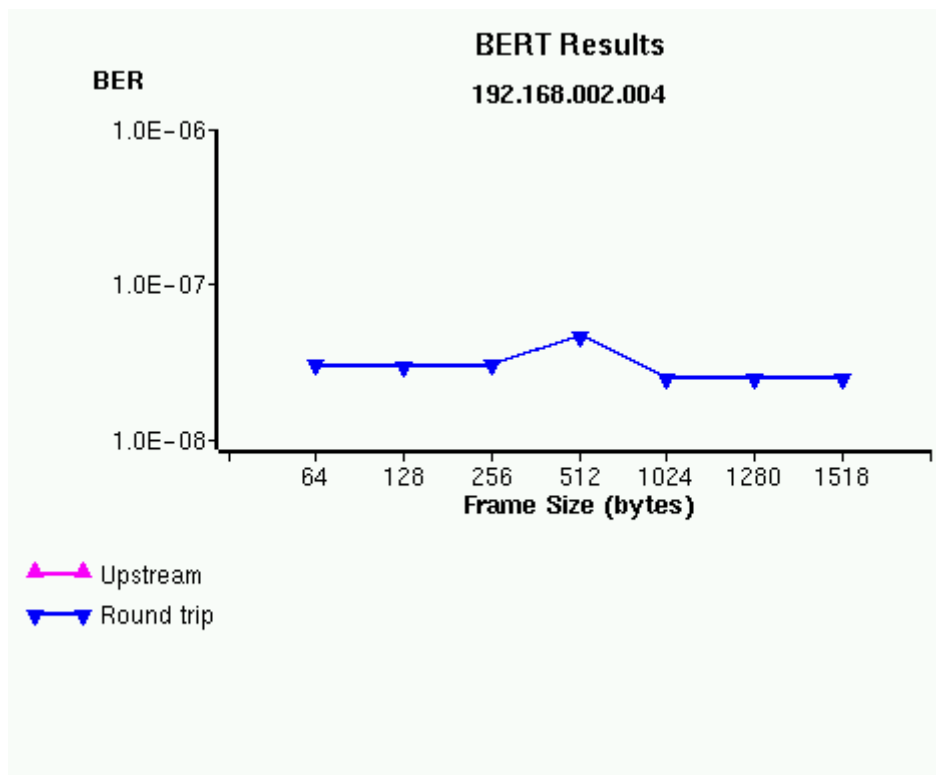


Loss/BERT Test Configuration	
Local Device	
IP:	192.168.002.022
Link Speed:	100Mb
Duplex:	Full
Remote Device	
IP:	192.168.002.004
Type:	Reflector
Frame Description	
Contents:	Incrementing Byte
Port:	3842
Device QoS Options	
DiffServe Code Point (DSCP):	7
Test Limit and Duration	
Pass/Fail BER:	

Duration:	2 secs
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Frame Size	Loss/BERT Results - Downstream (remote to local)				
	Frames Lost	Loss Ratio	Errored Intervals	Bit Error Rate	Test Status
64	0	0%	0	<3.083E-08	— Complete
128	0	0%	0	<2.991E-08	— Complete
256	0	0%	0	<3.078E-08	— Complete
512	0	0%	0	<4.677E-08	— Complete
1024	0	0%	0	<2.530E-08	— Complete
1280	0	0%	0	<2.523E-08	— Complete
1518	0	0%	0	<2.520E-08	— Complete

Loss/BERT Graph - 192.168.002.004



MetroScope Configuration				
Software Versions	Application: 1.9.48	Language Support: 1.9.48	Qt: 2.3.4	
Hardware Information	MAC Address: 00c017c0279f	Serial Number: 0009483319	Hardware Version: 206 (Series II)	Manufacture Date: 081307
Fiber Module	Status: SFP module present (inactive)	Type: SX (850nm)	Vendor: StratosLightwave	Part Number: SPLC-20-4-1-BP
Report Comment	Tested by Mark			