



Packet Blazer

Job Information

Job ID	1
Contractor	ALCOMA
Customer	
Report Date	2011-06-16 13:36:19
Operator Name	LANVI

File Name: D:\AI80GE-I.pdf

Comment: AL80GE

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1. Summary

1.1. Alarm

1.1.1. Alarms

1.1.1.1. Global

Alarm	H
Global	No Fault
Log Full	No Fault

1.1.1.2. Port

Alarm	H [1]	H [2]
LOS	N/A	N/A
Frequency	No Fault	No Fault

Frequency Analysis	Value [1]	Value [2]
Freq (bps)	--	--
Offset (ppm)	-7	-5

1.1.1.3.

Alarm	H [1]	H [2]
Error	No Fault	No Fault
Link	No Fault	No Fault

1.1.1.4. Higher Layer Protocol

Alarm	H [1]	H [2]
Error	No Fault	No Fault

1.1.1.5. Pattern

No information is available

1.1.1.6. Other

No information is available

1.1.2. Logger

1.1.2.1. Logger Events

ID	Date/Time	Data Path	Event	Duration	Count	Rate
1	2011-06-16 12:19:37	Test 1	Test Started			
2	2011-06-16 12:42:21	Test 1	Test Stopped			

1.2. Test**1.2.1. Test Status**

Item	Value
Start Time:	2011-06-16 12:19:37
Port 1 Link	Up
Port 2 Link	Up
Expert Mode Verdict	--
RFC 2544	Completed

1.2.2. Test Configuration

Item	Value
Application Type	RFC 2544 - Dual Ports
Test Name	TEST
Test Description	

1.2.3. Test Preferences

Item	Value
Couple Start/Enable TX	Enabled

2. Electrical RJ-45 [P1]/Port

2.1. Interface

2.1.1. Configuration

Item	Value
Enable Auto-Negotiation	Enabled
Speed	1Gbps
Duplex	Full
Flow Control	None
Local Clock	N/A

2.1.2. Status

Item	Value
Link	Up
Auto-Negotiation	Completed

2.2. Auto-Neg. RX

2.2.1. Configuration

Item	Value
Link	Up
Auto-Negotiation	Completed
Remote Fault	No Error
Speed	1Gbps
Duplex	Full
Flow Control	None
Local Clock	Remote

2.2.2. Link Partner Capabilities

Item	Value
10Base-T, Half Duplex	True
10Base-T, Full Duplex	True
100Base-TX, Half Duplex	True
100Base-TX, Full Duplex	True
1000Base-T, Half Duplex	False
1000Base-T, Full Duplex	True
1000Base-X, Half Duplex	N/A
1000Base-X, Full Duplex	N/A
Symmetric Pause	True
Asymmetric Pause	True

3. Electrical RJ-45 [P2]/Port

3.1. Interface

3.1.1. Configuration

Item	Value
Enable Auto-Negotiation	Enabled
Speed	1Gbps
Duplex	Full
Flow Control	None
Local Clock	N/A

3.1.2. Status

Item	Value
Link	Up
Auto-Negotiation	Completed

3.2. Auto-Neg. RX

3.2.1. Configuration

Item	Value
Link	Up
Auto-Negotiation	Completed
Remote Fault	No Error
Speed	1Gbps
Duplex	Full
Flow Control	None
Local Clock	Remote

3.2.2. Link Partner Capabilities

Item	Value
10Base-T, Half Duplex	True
10Base-T, Full Duplex	True
100Base-TX, Half Duplex	True
100Base-TX, Full Duplex	True
1000Base-T, Half Duplex	False
1000Base-T, Full Duplex	True
1000Base-X, Half Duplex	N/A
1000Base-X, Full Duplex	N/A
Symmetric Pause	True
Asymmetric Pause	True

4. RFC 2544

4.1. Global

4.1.1. Configuration

Item	Value
Frame Size Distribution	User Defined
Quantity	7
Frame Size 1	64
Frame Size 2	128
Frame Size 3	256
Frame Size 4	512
Frame Size 5	1518
Frame Size 6	2048
Frame Size 7	10240
Direction	Bidirectional
Coupled	Enabled

4.1.2. Test Procedure

Test	Status	State
Throughput	Enabled	Completed
Back-to-Back	Enabled	Completed
Frame Loss	Enabled	Completed
Latency	Enabled	Completed

4.2. Throughput

4.2.1. Configuration

Item	Value
Test Time (MM:SS)	00:03
Accuracy (%)	0.1
Nb. of Acceptable Errors	0
Nb. of Trials to Average	1
Nb. of Validations	1
Maximum Rate P1-to-P2 (%)	100
Maximum Rate P2-to-P1 (%)	100
Minimum Test Time (Seconds)	--

4.2.2. Results

Item	Value
Test State	Completed
Status Message	None

4.2.2.1. Frame Count

	P1-to-P2	P2-to-P1
TX	36550	36550
RX	36550	36550

4.2.2.2. Throughput Results**4.2.2.2.1. Current**

Frame Size	P1-to-P2 - Layer 1-2-3 (Mbps)	P2-to-P1 - Layer 1-2-3 (Mbps)
64	1000	1000
128	1000	1000
256	1000	1000
512	1000	1000
1518	1000	1000
2048	1000	1000
10240	1000	1000

4.2.2.2.2. Minimum

Frame Size	P1-to-P2 - Layer 1-2-3 (Mbps)	P2-to-P1 - Layer 1-2-3 (Mbps)
64	1000	1000
128	1000	1000
256	1000	1000
512	1000	1000
1518	1000	1000
2048	1000	1000
10240	1000	1000

4.2.2.2.3. Maximum

Frame Size	P1-to-P2 - Layer 1-2-3 (Mbps)	P2-to-P1 - Layer 1-2-3 (Mbps)
64	1000	1000
128	1000	1000
256	1000	1000
512	1000	1000
1518	1000	1000
2048	1000	1000
10240	1000	1000

4.2.2.2.4. Average

Frame Size	P1-to-P2 - Layer 1-2-3 (Mbps)	P2-to-P1 - Layer 1-2-3 (Mbps)
64	1000	1000
128	1000	1000
256	1000	1000
512	1000	1000
1518	1000	1000
2048	1000	1000
10240	1000	1000

4.3. Back-to-Back**4.3.1. Configuration**

Item	Value
Max. Time Worth of Frames (MM:SS)	00:03
Accuracy (Frames)	1
Nb. of Acceptable Errors	0
Nb. of Trials to Average	1
Nb. of Bursts	1
Minimum Test Time (Seconds)	--

4.3.2. Results

Item	Value
Test State	Completed
Status Message	None

4.3.2.1. Frame Count

	P1-to-P2	P2-to-P1
TX	36550	36550
RX	36550	36550

4.3.2.2. Back-to-Back Results**4.3.2.2.1. Current**

Frame Size	P1-to-P2 - Layer 1-2-3 (Frames/Burst)	P2-to-P1 - Layer 1-2-3 (Frames/Burst)
64	4464286	4464286
128	2533784	2533784
256	1358696	1358696
512	704888	704888
1518	243824	243824
2048	181335	181335
10240	36550	36550

4.3.2.2.2. Minimum

Frame Size	P1-to-P2 - Layer 1-2-3 (Frames/Burst)	P2-to-P1 - Layer 1-2-3 (Frames/Burst)
64	4464286	4464286
128	2533784	2533784
256	1358696	1358696
512	704888	704888
1518	243824	243824
2048	181335	181335
10240	36550	36550

4.3.2.2.3. Maximum

Frame Size	P1-to-P2 - Layer 1-2-3 (Frames/Burst)	P2-to-P1 - Layer 1-2-3 (Frames/Burst)
64	4464286	4464286
128	2533784	2533784
256	1358696	1358696
512	704888	704888
1518	243824	243824
2048	181335	181335
10240	36550	36550

4.3.2.2.4. Average

Frame Size	P1-to-P2 - Layer 1-2-3 (Frames/Burst)	P2-to-P1 - Layer 1-2-3 (Frames/Burst)
64	4464286	4464286
128	2533784	2533784
256	1358696	1358696
512	704888	704888
1518	243824	243824
2048	181335	181335
10240	36550	36550

4.4. Frame Loss**4.4.1. Configuration**

Item	Value
Test Time (MM:SS)	01:00
Test Granularity (%)	1
Nb. of Trials to Average	1
Maximum Rate P1-to-P2 (%)	99.4
Maximum Rate P2-to-P1 (%)	99.4
Minimum Test Time (Seconds)	--

4.4.2. Results

Item	Value
Test State	Completed
Status Message	None

4.4.2.1. Frame Count

	P1-to-P2	P2-to-P1
TX	719286	719286
RX	719286	719286

4.4.2.2. Frame Loss Results**4.4.2.2.1. Current**

Frame Size	P1-to-P2 - Step 99.4% (% Loss)	P2-to-P1 - Step 99.4% (% Loss)
64	0.0	0.0
128	0.0	0.0
256	0.0	0.0
512	0.0	0.0
1518	0.0	0.0
2048	0.0	0.0
10240	0.0	0.0

4.4.2.2.2. Minimum

Frame Size	P1-to-P2 - Step 99.4% (% Loss)	P2-to-P1 - Step 99.4% (% Loss)
64	0.0	0.0
128	0.0	0.0
256	0.0	0.0
512	0.0	0.0
1518	0.0	0.0
2048	0.0	0.0
10240	0.0	0.0

4.4.2.2.3. Maximum

Frame Size	P1-to-P2 - Step 99.4% (% Loss)	P2-to-P1 - Step 99.4% (% Loss)
64	0.0	0.0
128	0.0	0.0
256	0.0	0.0
512	0.0	0.0
1518	0.0	0.0
2048	0.0	0.0
10240	0.0	0.0

4.4.2.2.4. Average

Frame Size	P1-to-P2 - Step 99.4% (% Loss)	P2-to-P1 - Step 99.4% (% Loss)
64	0.0	0.0
128	0.0	0.0
256	0.0	0.0
512	0.0	0.0
1518	0.0	0.0
2048	0.0	0.0
10240	0.0	0.0

4.5. Latency

4.5.1. Configuration

Item	P1-to-P2	P2-to-P1
Test Time (MM:SS)	00:01	00:01
Nb. of Trials to Average	1	1
Maximum Rate - Frame Size 64	99.99	99.99
Maximum Rate - Frame Size 128	99.99	99.99
Maximum Rate - Frame Size 256	99.99	99.99
Maximum Rate - Frame Size 512	99.99	99.99
Maximum Rate - Frame Size 1518	99.99	99.99
Maximum Rate - Frame Size 2048	99.99	99.99
Maximum Rate - Frame Size 10240	99.99	99.99
Unit	%	%
Minimum Test Time (Seconds)	--	--
Copy From Throughput Test	Disabled	Disabled
Margin (%)	N/A	N/A

4.5.2. Results

Item	Value
Test State	Completed
Status Message	None

4.5.2.1. Frame Count

	P1-to-P2	P2-to-P1
TX	12182	12182
RX	12182	12182

4.5.2.2. Latency Results

4.5.2.2.1. Current

Frame Size	P1-to-P2 Rate (%)	P1-to-P2 - Cut Through (μ s)	P2-to-P1 Rate (%)	P2-to-P1 - Cut Through (μ s)
64	99.99	21.296	99.99	21.347
128	99.99	21.862	99.99	21.862
256	99.99	23.560000000000002	99.99	23.558999999999997
512	99.99	27.572	99.99	27.572
1518	99.99	43.415	99.99	43.416
2048	99.99	51.852	99.99	51.903
10240	99.99	179.475000000000002	99.99	179.475000000000002

4.5.2.2.2. Minimum

Frame Size	P1-to-P2 Rate (%)	P1-to-P2 - Cut Through (μ s)	P2-to-P1 Rate (%)	P2-to-P1 - Cut Through (μ s)
64	99.99	21.296	99.99	21.347
128	99.99	21.862	99.99	21.862
256	99.99	23.560000000000002	99.99	23.558999999999997
512	99.99	27.572	99.99	27.572
1518	99.99	43.415	99.99	43.416
2048	99.99	51.852	99.99	51.903
10240	99.99	179.475000000000002	99.99	179.475000000000002

4.5.2.2.3. Maximum

Frame Size	P1-to-P2 Rate (%)	P1-to-P2 - Cut Through (μ s)	P2-to-P1 Rate (%)	P2-to-P1 - Cut Through (μ s)
64	99.99	21.296	99.99	21.347
128	99.99	21.862	99.99	21.862
256	99.99	23.560000000000002	99.99	23.558999999999997
512	99.99	27.572	99.99	27.572
1518	99.99	43.415	99.99	43.416
2048	99.99	51.852	99.99	51.903
10240	99.99	179.475000000000002	99.99	179.475000000000002

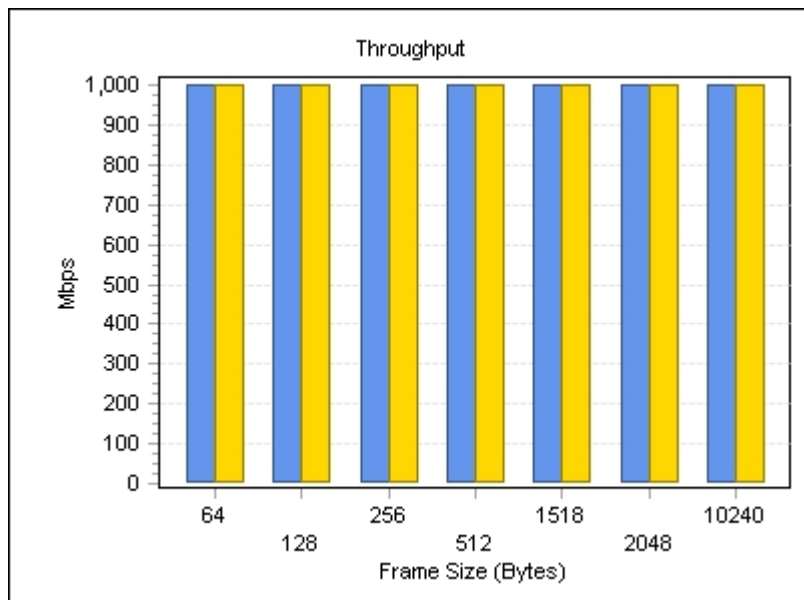
4.5.2.2.4. Average

Frame Size	P1-to-P2 Rate (%)	P1-to-P2 - Cut Through (μ s)	P2-to-P1 Rate (%)	P2-to-P1 - Cut Through (μ s)
64	99.99	21.296	99.99	21.347
128	99.99	21.862	99.99	21.862
256	99.99	23.560000000000002	99.99	23.558999999999997
512	99.99	27.572	99.99	27.572
1518	99.99	43.415	99.99	43.416
2048	99.99	51.852	99.99	51.903
10240	99.99	179.475000000000002	99.99	179.475000000000002

4.6. Graph

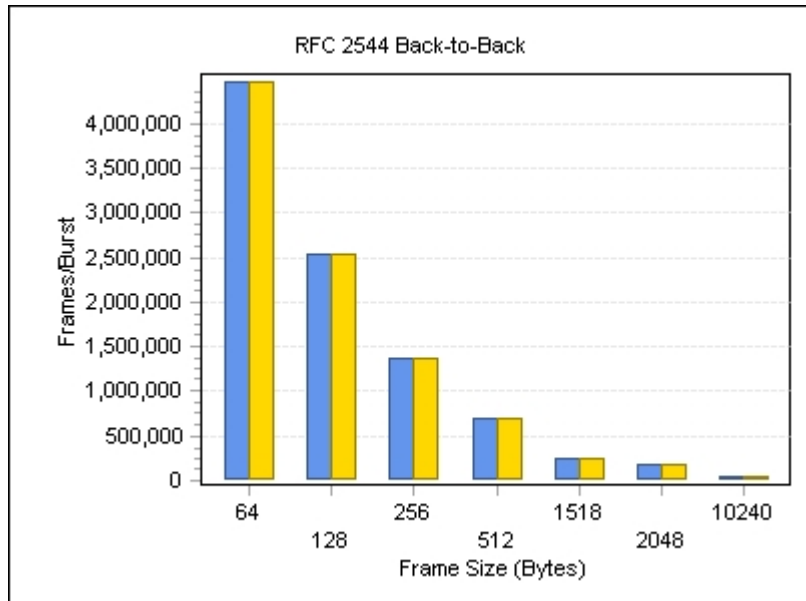
4.6.1. Throughput

Displayed Results	Current
Direction	Bidirectional
Unit	Mbps
Layer	Layer 1-2-3



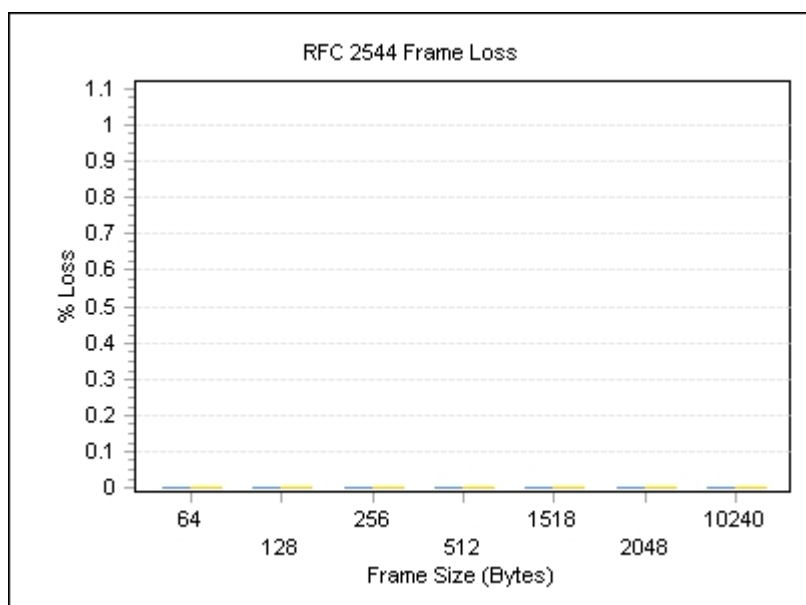
4.6.2. RFC 2544 Back-to-Back

Displayed Results	Current
Direction	Bidirectional
Unit	Frames/Burst
Layer	Layer 1-2-3



4.6.3. RFC 2544 Frame Loss

Displayed Results	Current
Direction	Bidirectional
Unit	% Loss
Displayed Step	99.4%



4.6.4. RFC 2544 Latency

Displayed Results	Current
Direction	Bidirectional
Unit	μs
Mode	Cut Through

