



## Packet Blazer

### Job Information

Job ID	1
Contractor	ALCOMA
Customer	
Report Date	2011-06-13 17:27:22
Operator Name	LANVI

File Name: D:\MP360-384Eth-256QAM.pdf

Comment: MP360-384Eth-256QAM, EGMII

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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)	-5	-13

##### 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	2011-06-13 16:22:20	Test 1	Test Started			
2	2011-06-13 17:12:31	Test 1	Test Stopped			

**1.2. Test****1.2.1. Test Status**

Item	Value
Start Time:	2011-06-13 16:22:20
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 (%)	50
Maximum Rate P2-to-P1 (%)	50
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	13906	13906
RX	13906	13906

**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	442.105263	442.105263
128	413.407821	413.407821
256	397.122302	397.122302
512	388.321168	388.321168
1518	382.777501	382.777501
2048	382.043229	382.043229
10240	380.465013	380.465013

**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	442.105263	442.105263
128	413.407821	413.407821
256	397.122302	397.122302
512	388.321168	388.321168
1518	382.777501	382.777501
2048	382.043229	382.043229
10240	380.465013	380.465013

**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	442.105263	442.105263
128	413.407821	413.407821
256	397.122302	397.122302
512	388.321168	388.321168
1518	382.777501	382.777501
2048	382.043229	382.043229
10240	380.465013	380.465013

**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	442.105263	442.105263
128	413.407821	413.407821
256	397.122302	397.122302
512	388.321168	388.321168
1518	382.777501	382.777501
2048	382.043229	382.043229
10240	380.465013	380.465013

**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	10	10
RX	9	9

**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	196	196
128	185	185
256	179	179
512	177	177
1518	59	59
2048	44	44
10240	9	9

**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	196	196
128	185	185
256	179	179
512	177	177
1518	59	59
2048	44	44
10240	9	9

**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	196	196
128	185	185
256	179	179
512	177	177
1518	59	59
2048	44	44
10240	9	9

**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	196	196
128	185	185
256	179	179
512	177	177
1518	59	59
2048	44	44
10240	9	9

**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 (%)	37.9
Maximum Rate P2-to-P1 (%)	37.9
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	269736	269736
RX	269736	269736

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

Frame Size	P1-to-P2 - Step 37.9% (% Loss)	P2-to-P1 - Step 37.9% (% 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 37.9% (% Loss)	P2-to-P1 - Step 37.9% (% 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 37.9% (% Loss)	P2-to-P1 - Step 37.9% (% 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 37.9% (% Loss)	P2-to-P1 - Step 37.9% (% 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	37.9	37.9
Maximum Rate - Frame Size 128	37.9	37.9
Maximum Rate - Frame Size 256	37.9	37.9
Maximum Rate - Frame Size 512	37.9	37.9
Maximum Rate - Frame Size 1518	37.9004435682602	37.9
Maximum Rate - Frame Size 2048	37.9032258064516	37.9
Maximum Rate - Frame Size 10240	37.9003361530789	37.9
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	4617	4617
RX	4617	4617

**4.5.2.2. Latency Results**



**4.5.2.2.1. Current**

Frame Size	P1-to-P2 Rate (%)	P1-to-P2 - Cut Through (ms)	P2-to-P1 Rate (%)	P2-to-P1 - Cut Through (ms)
64	37.9	0.105709	37.9	0.10689299999999999
128	37.9	0.109516	37.9	0.109156
256	37.9	0.112963	37.9	0.113991
512	37.9	0.12263399999999999	37.9	0.12361100000000001
1518	37.9004	0.160031	37.9	0.160082
2048	37.9032	0.17880700000000002	37.9	0.180093
10240	37.9003	0.48127499999999995	37.9	0.480298

**4.5.2.2.2. Minimum**

Frame Size	P1-to-P2 Rate (%)	P1-to-P2 - Cut Through (ms)	P2-to-P1 Rate (%)	P2-to-P1 - Cut Through (ms)
64	37.9	0.105709	37.9	0.10689299999999999
128	37.9	0.109516	37.9	0.109156
256	37.9	0.112963	37.9	0.113991
512	37.9	0.12263399999999999	37.9	0.12361100000000001
1518	37.9004	0.160031	37.9	0.160082
2048	37.9032	0.17880700000000002	37.9	0.180093
10240	37.9003	0.48127499999999995	37.9	0.480298

**4.5.2.2.3. Maximum**

Frame Size	P1-to-P2 Rate (%)	P1-to-P2 - Cut Through (ms)	P2-to-P1 Rate (%)	P2-to-P1 - Cut Through (ms)
64	37.9	0.105709	37.9	0.10689299999999999
128	37.9	0.109516	37.9	0.109156
256	37.9	0.112963	37.9	0.113991
512	37.9	0.12263399999999999	37.9	0.12361100000000001
1518	37.9004	0.160031	37.9	0.160082
2048	37.9032	0.17880700000000002	37.9	0.180093
10240	37.9003	0.48127499999999995	37.9	0.480298

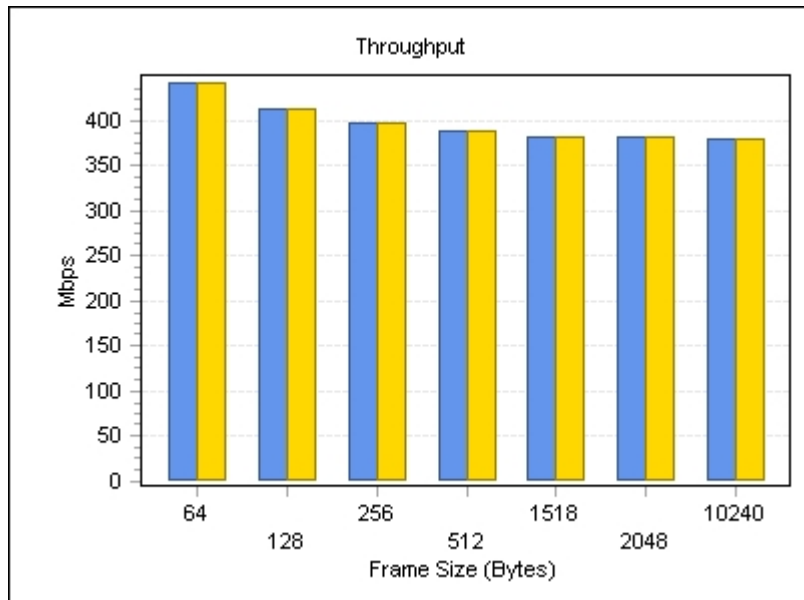
**4.5.2.2.4. Average**

Frame Size	P1-to-P2 Rate (%)	P1-to-P2 - Cut Through (ms)	P2-to-P1 Rate (%)	P2-to-P1 - Cut Through (ms)
64	37.9	0.105709	37.9	0.10689299999999999
128	37.9	0.109516	37.9	0.109156
256	37.9	0.112963	37.9	0.113991
512	37.9	0.12263399999999999	37.9	0.12361100000000001
1518	37.9004	0.160031	37.9	0.160082
2048	37.9032	0.17880700000000002	37.9	0.180093
10240	37.9003	0.48127499999999995	37.9	0.480298

**4.6. Graph**

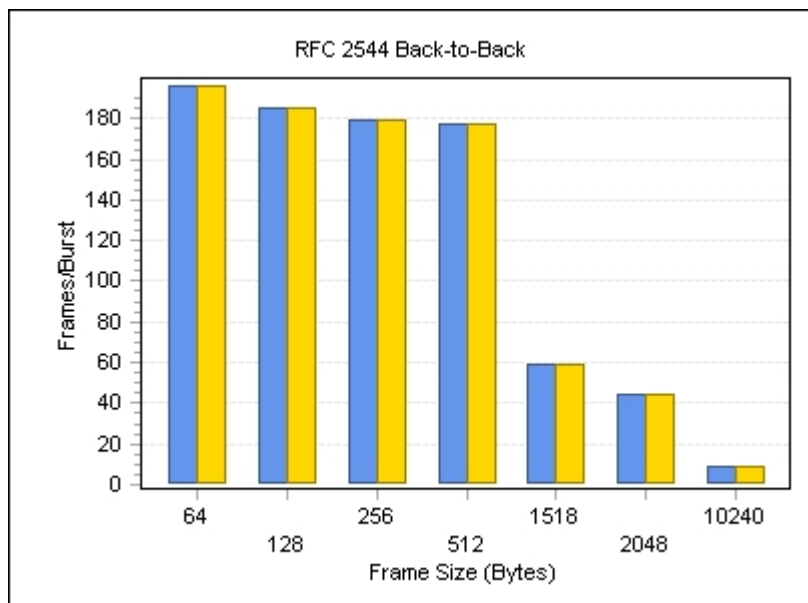
**4.6.1. Throughput**

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



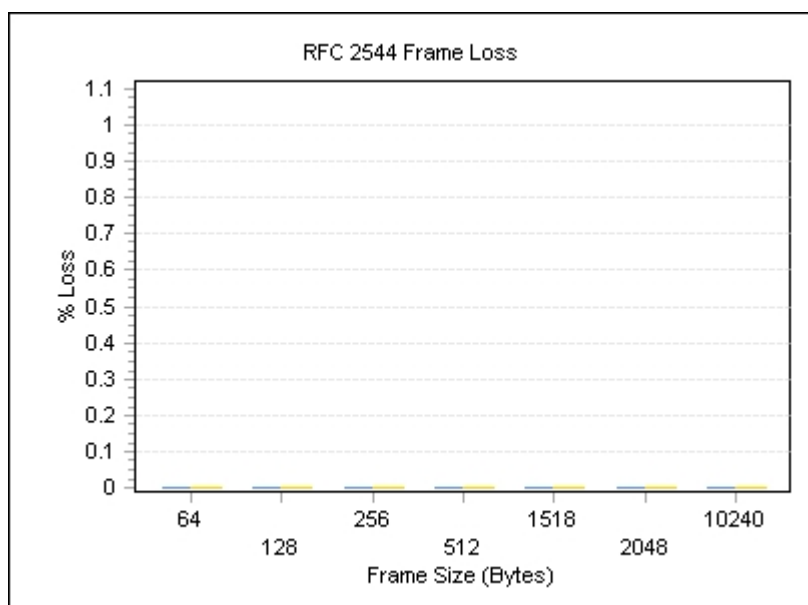
**4.6.2. RFC 2544 Back-to-Back**

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	37.9%



#### 4.6.4. RFC 2544 Latency

Displayed Results	Current
Direction	Bidirectional
Unit	ms
Mode	Cut Through

