Packet Blazer

Job Information

Job ID	1
Contractor	ALCOMA
Customer	
Report Date	2011-09-27 15:11:03
Operator Name	LANVI

File Name: D:\ALxxF-368Eth-256QAM-56MHz.pdf

Comment: ALCOMA AL..F - Datarate=368Eth, M=256QAM, BW=56MHz (Free Bands)

Table of Contents

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)	0	0

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	2011-09-27 14:12:57	Test 1	Test Started			
2	2011-09-27 15:10:59	Test 1	Test Stopped			

1.2. Test

1.2.1. Test Status

Item	Value
Start Time:	2011-09-27 14:12:57
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. RFC 2544

2.1. Global

2.1.1. 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	4000
Direction	Bidirectional
Coupled	Enabled

2.1.2. Test Procedure

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

2.2. Throughput

2.2.1. 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)	--

2.2.2. Results

Item	Value
Test State	Completed
Status Message	None

2.2.2.1. Frame Count

	P1-to-P2	P2-to-P1
TX	34470	34470
RX	34470	34470

2.2.2.2. Throughput Results

2.2.2.2.1. Current

Frame Size	P1-to-P2 - Layer 1-2-3 (Mbps)	P2-to-P1 - Layer 1-2-3 (Mbps)
64	482.758621	482.758621
128	425.287356	425.287356
256	395.982783	395.982783
512	381.909548	381.909548
1518	372.667797	372.667797
2048	371.074825	371.074825
4000	369.519257	369.519257

2.2.2.2.2. Minimum

Frame Size	P1-to-P2 - Layer 1-2-3 (Mbps)	P2-to-P1 - Layer 1-2-3 (Mbps)
64	482.758621	482.758621
128	425.287356	425.287356
256	395.982783	395.982783
512	381.909548	381.909548
1518	372.667797	372.667797
2048	371.074825	371.074825
4000	369.519257	369.519257

2.2.2.2.3. Maximum

Frame Size	P1-to-P2 - Layer 1-2-3 (Mbps)	P2-to-P1 - Layer 1-2-3 (Mbps)
64	482.758621	482.758621
128	425.287356	425.287356
256	395.982783	395.982783
512	381.909548	381.909548
1518	372.667797	372.667797
2048	371.074825	371.074825
4000	369.519257	369.519257

2.2.2.2.4. Average

Frame Size	P1-to-P2 - Layer 1-2-3 (Mbps)	P2-to-P1 - Layer 1-2-3 (Mbps)
64	482.758621	482.758621
128	425.287356	425.287356
256	395.982783	395.982783
512	381.909548	381.909548
1518	372.667797	372.667797
2048	371.074825	371.074825
4000	369.519257	369.519257

2.3. Back-to-Back

2.3.1. Configuration

Item	Value
Max. Time Worth of Frames (MM:SS)	00:05
Accuracy (Frames)	1
Nb. of Acceptable Errors	0
Nb. of Trials to Average	1
Nb. of Bursts	1
Minimum Test Time (Seconds)	--

2.3.2. Results

Item	Value
Test State	Completed
Status Message	None

2.3.2.1. Frame Count

	P1-to-P2	P2-to-P1
TX	28	28
RX	28	28

2.3.2.2. Back-to-Back Results

2.3.2.2.1. Current

Frame Size	P1-to-P2 - Layer 1-2-3 (Frames/Burst)	P2-to-P1 - Layer 1-2-3 (Frames/Burst)
64	596	596
128	490	490
256	447	447
512	218	218
1518	73	73
2048	56	56
4000	28	28

2.3.2.2.2. Minimum

Frame Size	P1-to-P2 - Layer 1-2-3 (Frames/Burst)	P2-to-P1 - Layer 1-2-3 (Frames/Burst)
64	596	596
128	490	490
256	447	447
512	218	218
1518	73	73
2048	56	56
4000	28	28

2.3.2.2.3. Maximum

Frame Size	P1-to-P2 - Layer 1-2-3 (Frames/Burst)	P2-to-P1 - Layer 1-2-3 (Frames/Burst)
64	596	596
128	490	490
256	447	447
512	218	218
1518	73	73
2048	56	56
4000	28	28

2.3.2.2.4. Average

Frame Size	P1-to-P2 - Layer 1-2-3 (Frames/Burst)	P2-to-P1 - Layer 1-2-3 (Frames/Burst)
64	596	596
128	490	490
256	447	447
512	218	218
1518	73	73
2048	56	56
4000	28	28

2.4. Frame Loss

2.4.1. Configuration

Item	Value
Test Time (MM:SS)	01:00
Test Granularity (%)	10
Nb. of Trials to Average	1
Maximum Rate P1-to-P2 (%)	36
Maximum Rate P2-to-P1 (%)	36
Minimum Test Time (Seconds)	--

2.4.2. Results

Item	Value
Test State	Completed
Status Message	None

2.4.2.1. Frame Count

	P1-to-P2	P2-to-P1
TX	485060	485060
RX	485060	485060

2.4.2.2. Frame Loss Results

2.4.2.2.1. Current

Frame Size	P1-to-P2 - Step 36% (% Loss)	P2-to-P1 - Step 36% (% 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
4000	0.0	0.0

2.4.2.2.2. Minimum

Frame Size	P1-to-P2 - Step 36% (% Loss)	P2-to-P1 - Step 36% (% 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
4000	0.0	0.0

2.4.2.2.3. Maximum

Frame Size	P1-to-P2 - Step 36% (% Loss)	P2-to-P1 - Step 36% (% 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
4000	0.0	0.0

2.4.2.2.4. Average

Frame Size	P1-to-P2 - Step 36% (% Loss)	P2-to-P1 - Step 36% (% 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
4000	0.0	0.0

2.5. Latency

2.5.1. 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	36	36
Maximum Rate - Frame Size 128	36	36
Maximum Rate - Frame Size 256	36	36
Maximum Rate - Frame Size 512	36	36
Maximum Rate - Frame Size 1518	36	36
Maximum Rate - Frame Size 2048	36	36
Maximum Rate - Frame Size 4000	36	36
Unit	%	%
Minimum Test Time (Seconds)	--	--
Copy From Throughput Test	Disabled	Disabled
Margin (%)	N/A	N/A

2.5.2. Results

Item	Value
Test State	Completed
Status Message	None

2.5.2.1. Frame Count

	P1-to-P2	P2-to-P1
TX	11194	11194
RX	11194	11194

2.5.2.2. Latency Results

2.5.2.2.1. Current

Frame Size	P1-to-P2 Rate (%)	P1-to-P2 - Cut Through (µs)	P2-to-P1 Rate (%)	P2-to-P1 - Cut Through (µs)
64	36.0	122.47899999999999	36.0	122.48
128	36.0	125.412	36.0	125.411
256	36.0	131.172	36.0	131.172
512	36.0	142.644	36.0	142.695
1518	36.0	187.963	36.0	187.912
2048	36.0	211.831	36.0	211.88199999999998
4000	36.0	299.58799999999997	36.0	299.589

2.5.2.2.2. Minimum

Frame Size	P1-to-P2 Rate (%)	P1-to-P2 - Cut Through (µs)	P2-to-P1 Rate (%)	P2-to-P1 - Cut Through (µs)
64	36.0	122.47899999999999	36.0	122.48
128	36.0	125.412	36.0	125.411
256	36.0	131.172	36.0	131.172
512	36.0	142.644	36.0	142.695
1518	36.0	187.963	36.0	187.912
2048	36.0	211.831	36.0	211.88199999999998
4000	36.0	299.58799999999997	36.0	299.589

2.5.2.2.3. Maximum

Frame Size	P1-to-P2 Rate (%)	P1-to-P2 - Cut Through (µs)	P2-to-P1 Rate (%)	P2-to-P1 - Cut Through (µs)
64	36.0	122.47899999999999	36.0	122.48
128	36.0	125.412	36.0	125.411
256	36.0	131.172	36.0	131.172
512	36.0	142.644	36.0	142.695
1518	36.0	187.963	36.0	187.912
2048	36.0	211.831	36.0	211.88199999999998
4000	36.0	299.58799999999997	36.0	299.589

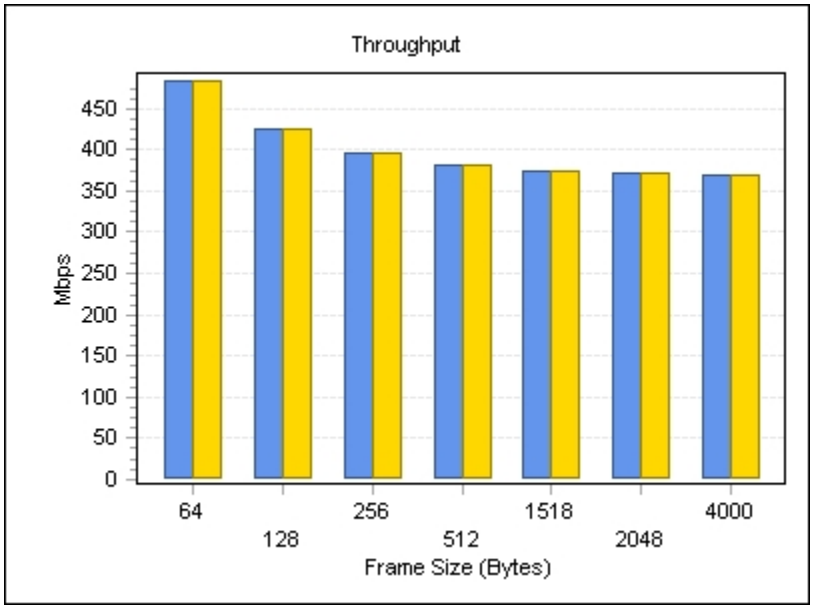
2.5.2.2.4. Average

Frame Size	P1-to-P2 Rate (%)	P1-to-P2 - Cut Through (µs)	P2-to-P1 Rate (%)	P2-to-P1 - Cut Through (µs)
64	36.0	122.47899999999999	36.0	122.48
128	36.0	125.412	36.0	125.411
256	36.0	131.172	36.0	131.172
512	36.0	142.644	36.0	142.695
1518	36.0	187.963	36.0	187.912
2048	36.0	211.831	36.0	211.88199999999998
4000	36.0	299.58799999999997	36.0	299.589

2.6. Graph

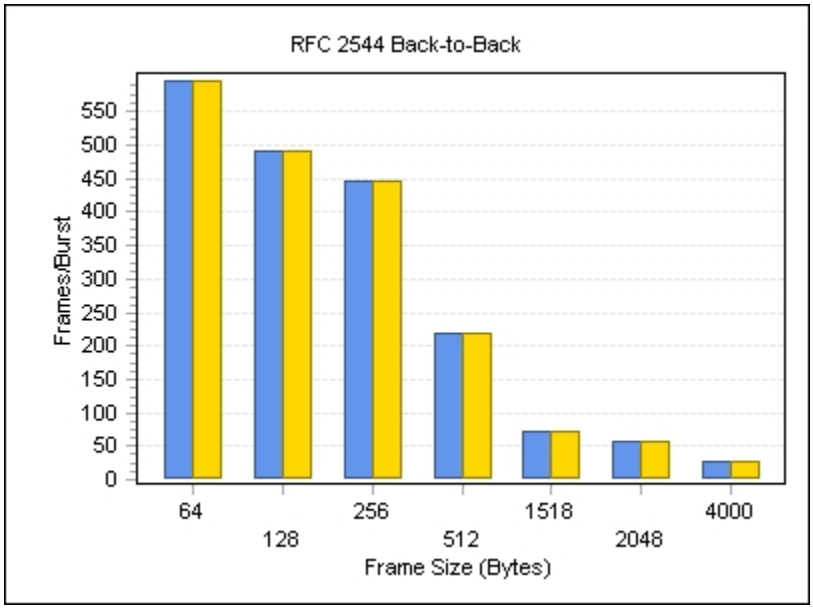
2.6.1. Throughput

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



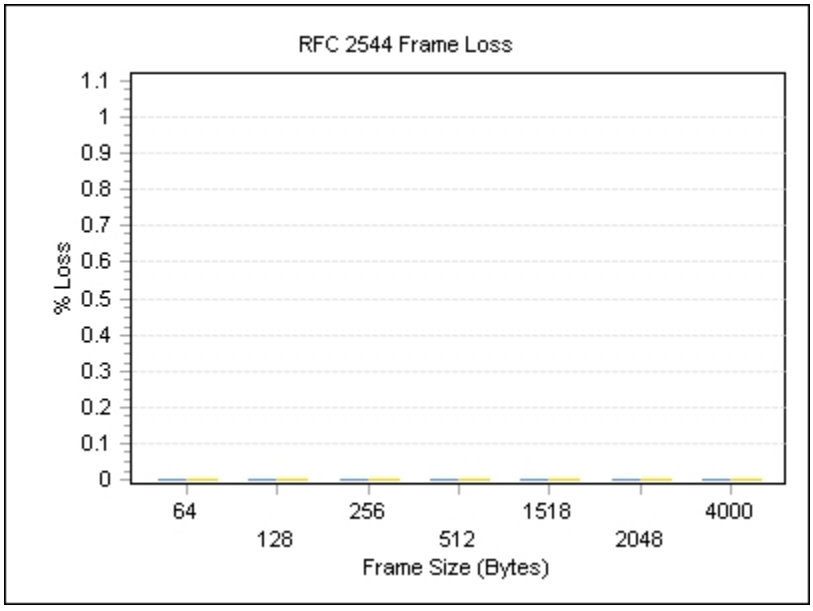
2.6.2. RFC 2544 Back-to-Back

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



2.6.3. RFC 2544 Frame Loss

Displayed Results	Current
Direction	Bidirectional
Unit	% Loss
Displayed Step	36%



2.6.4. RFC 2544 Latency

Displayed Results	Current
Direction	Bidirectional
Unit	µs
Mode	Cut Through