



Packet Blazer

Job Information

Job ID	1
Contractor	ALCOMA
Customer	
Report Date	2011-09-27 11:31:39
Operator Name	LANVI

File Name: D:\ALxxF-480Eth-256QAM-40MHz(2+0).pdf

Comment: ALCOMA AL..F - Datarate=2x240Eth, M=256QAM, BW=40MHz

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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)	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 09:58:26	Test 1	Test Started			
2	2011-09-27 10:56:27	Test 1	Test Stopped			

1.2. Test**1.2.1. Test Status**

Item	Value
Start Time:	2011-09-27 09:58:26
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	44964	44964
RX	44964	44964

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	626.865672	626.865672
128	554.307116	554.307116
256	516.853933	516.853933
512	498.594189	498.594189
1518	485.939968	485.939968
2048	484.422581	484.422581
4000	482.014388	482.014388

2.2.2.2. Minimum

Frame Size	P1-to-P2 - Layer 1-2-3 (Mbps)	P2-to-P1 - Layer 1-2-3 (Mbps)
64	626.865672	626.865672
128	554.307116	554.307116
256	516.853933	516.853933
512	498.594189	498.594189
1518	485.939968	485.939968
2048	484.422581	484.422581
4000	482.014388	482.014388

2.2.2.3. Maximum

Frame Size	P1-to-P2 - Layer 1-2-3 (Mbps)	P2-to-P1 - Layer 1-2-3 (Mbps)
64	626.865672	626.865672
128	554.307116	554.307116
256	516.853933	516.853933
512	498.594189	498.594189
1518	485.939968	485.939968
2048	484.422581	484.422581
4000	482.014388	482.014388

2.2.2.4. Average

Frame Size	P1-to-P2 - Layer 1-2-3 (Mbps)	P2-to-P1 - Layer 1-2-3 (Mbps)
64	626.865672	626.865672
128	554.307116	554.307116
256	516.853933	516.853933
512	498.594189	498.594189
1518	485.939968	485.939968
2048	484.422581	484.422581
4000	482.014388	482.014388

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	32	32
RX	32	32

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	863	863
128	640	640
256	564	564
512	268	268
1518	86	86
2048	65	65
4000	32	32

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	863	863
128	640	640
256	564	564
512	268	268
1518	86	86
2048	65	65
4000	32	32

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	863	863
128	640	640
256	564	564
512	268	268
1518	86	86
2048	65	65
4000	32	32

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	863	863
128	640	640
256	564	564
512	268	268
1518	86	86
2048	65	65
4000	32	32

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 (%)	47
Maximum Rate P2-to-P1 (%)	47
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	690290	690290
RX	690290	690290

2.4.2.2. Frame Loss Results**2.4.2.2.1. Current**

Frame Size	P1-to-P2 - Step 47% (% Loss)	P2-to-P1 - Step 47% (% 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 47% (% Loss)	P2-to-P1 - Step 47% (% 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 47% (% Loss)	P2-to-P1 - Step 47% (% 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 47% (% Loss)	P2-to-P1 - Step 47% (% 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	47	47
Maximum Rate - Frame Size 128	47	47
Maximum Rate - Frame Size 256	47	47
Maximum Rate - Frame Size 512	47	47
Maximum Rate - Frame Size 1518	47	47
Maximum Rate - Frame Size 2048	47	47
Maximum Rate - Frame Size 4000	47	47
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	14614	14614
RX	14614	14614

2.5.2.2. Latency Results

2.5.2.2.1. 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	47.0	176.183	47.0	176.38899999999998
128	47.0	177.726	47.0	178.138
256	47.0	185.133	47.0	183.436
512	47.0	194.18699999999998	47.0	193.415
1518	47.0	234.97899999999999	47.0	235.03
2048	47.0	256.996	47.0	256.89300000000003
4000	47.0	332.511	47.0	332.511

2.5.2.2.2. 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	47.0	176.183	47.0	176.38899999999998
128	47.0	177.726	47.0	178.138
256	47.0	185.133	47.0	183.436
512	47.0	194.18699999999998	47.0	193.415
1518	47.0	234.97899999999999	47.0	235.03
2048	47.0	256.996	47.0	256.89300000000003
4000	47.0	332.511	47.0	332.511

2.5.2.2.3. 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	47.0	176.183	47.0	176.38899999999998
128	47.0	177.726	47.0	178.138
256	47.0	185.133	47.0	183.436
512	47.0	194.18699999999998	47.0	193.415
1518	47.0	234.97899999999999	47.0	235.03
2048	47.0	256.996	47.0	256.89300000000003
4000	47.0	332.511	47.0	332.511

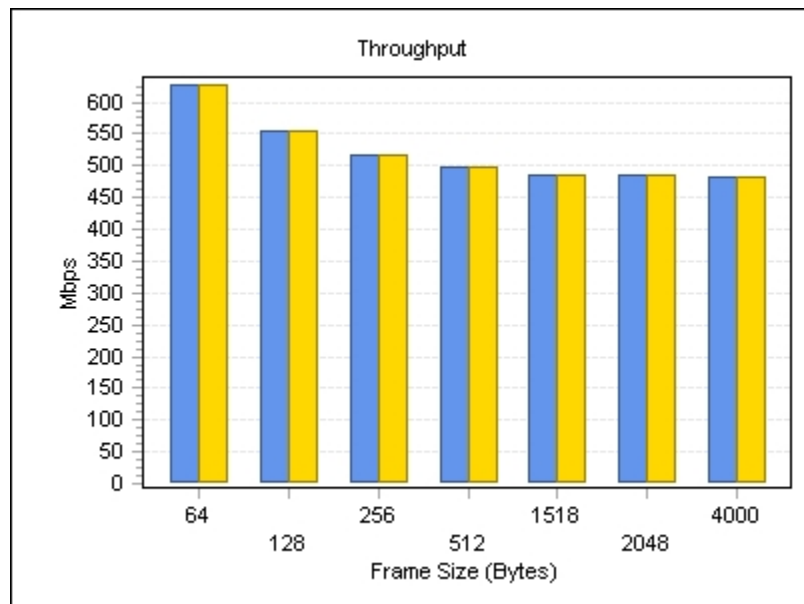
2.5.2.2.4. Average

Frame Size	P1-to-P2 Rate (%)	P1-to-P2 - Cut Through (µs)	P2-to-P1 Rate (%)	P2-to-P1 - Cut Through (µs)
64	47.0	176.183	47.0	176.38899999999998
128	47.0	177.726	47.0	178.138
256	47.0	185.133	47.0	183.436
512	47.0	194.18699999999998	47.0	193.415
1518	47.0	234.97899999999999	47.0	235.03
2048	47.0	256.996	47.0	256.89300000000003
4000	47.0	332.511	47.0	332.511

2.6. Graph

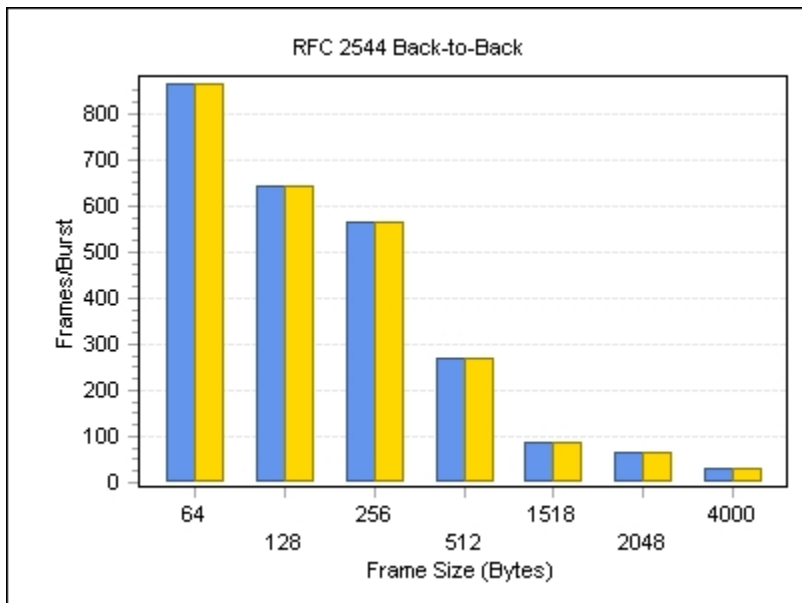
2.6.1. Throughput

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



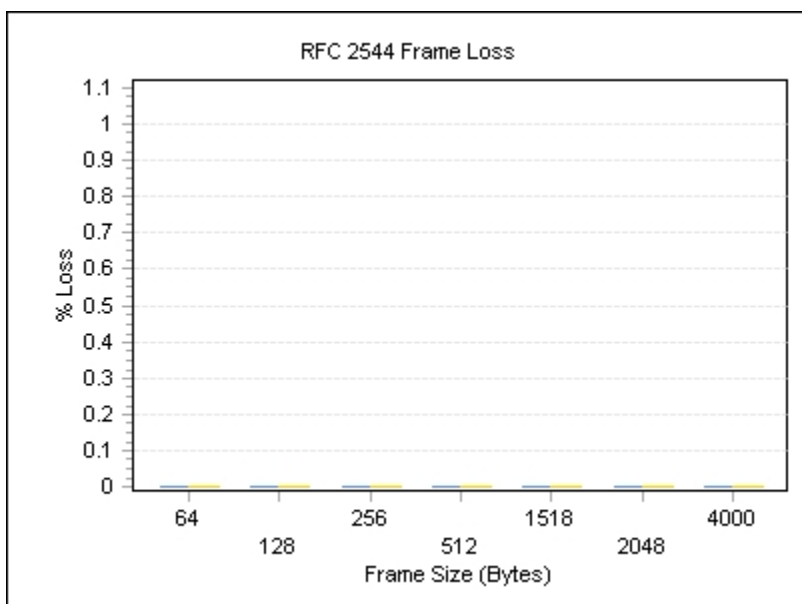
2.6.2. RFC 2544 Back-to-Back

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	47%



2.6.4. RFC 2544 Latency

Displayed Results	Current
Direction	Bidirectional
Unit	μ s
Mode	Cut Through

