



FTBx-8870 Report

| toutlelake-k12 |

FAIL

Report Header:	EXFO Inc.
Report Title:	toutlelake-k12
Report Date:	9/22/2020 9:11:03 AM
Type:	EtherSAM (Y.1564)

Job Information

Job ID:	
Circuit ID:	GTT/001840205
Contractor Name:	
Customer Name:	toutlelake-k12
Operator Name:	daniel dh
Comment:	

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SUMMARY

Results Summary

Test Status	
Service Configuration Test Status	Completed, Fail
Service Performance Test Status	Completed, Pass
Pass/Fail Verdict	FAIL
Start Time	9/22/2020 08:58:56 AM
Duration	00d:00:10:49
Test Recovery	0

EtherSAM

Services Summary			
	Service Name	Service Configuration Test	Service Performance Test
1	Service 1	FAIL	PASS

Service Configuration Summary						
	Service Name	Frame Loss Rate	Max Jitter (ms)	Max Latency (ms)	Max Throughput (Mbit/s)	Service Verdict
1	Service 1	1.2E-04	0.08753	6.51100	949.88	FAIL

Service Performance Summary						
	Service Name	Frame Loss Rate	Max Jitter (ms)	Max Latency (ms)	Avg Throughput (Mbit/s)	Service Verdict
1	Service 1	9.4E-05	0.08110	6.79532	949.88	PASS

VLAN Preservation	No Mismatch Detected
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RX Power Level		
	Min	Max
Power Range (dBm)	-15.0	0.5
RX Power Level (dBm)	-3.2	-3.2

RX Frequency		
	Max Negative Offset	Max Positive Offset
Frequency Offset (ppm)	-0.3	0.0

Alarms/Errors

Alarms/Errors List	
Active/Historical Alarms/Errors	Frame Loss

Interface	
Alarms	Seconds
LOS	0
Frequency	0

Ethernet	
Alarms	Seconds
Link Down	0
Local Fault Detected	0
Local Fault Received	0
Remote Fault	0

Errors	Seconds	Count	Rate
Block	0	0	0.00E00
FCS	0	0	0.00E00
Jabber	0	0	0.00E00
Oversize	Disabled		
Runt	0	0	0.00E00
Undersize	0	0	0.00E00
Total		0	

Clock Sync

Alarm	Seconds
LOC	0

IP/UDP/TCP

Errors	Seconds	Count	Rate
IP Checksum	0	0	0.00E00
UDP Checksum	0	0	0.00E00
TCP Checksum	0	0	0.00E00
Total		0	

Setup Summary

Application Type	EtherSAM (Y.1564)
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Interface	Port 1
Interface/Rate	10GE LAN
Connector	SFP+

Flow Control	None
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EtherSAM

Pass/Fail Verdict	Enabled
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Sub-Tests			
Service Configuration Test		Service Performance Test	
Ramp Test	Enabled	Status	Enabled
Burst selection	Disabled	Duration	00d:00:10:00
Duration	00:00:20		

Ramp	
Step Time (s)	5
Step Values	
1	50 %
2	75 %
3	90 %
4	100 %

Services

Total Committed TX Rate (Mbit/s)	950.00
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Services Summary								
	Service Name	Profile	Frame Size (Bytes)	CIR (Mbit/s)	Max Jitter (ms)	Max Latency (ms)	Frame Loss Rate	CBS (Bytes)
1	Service 1	Data	Random	950.00	2.00000	28.00000	1.0E-04	--

TEST RESULTS

Ethernet Traffic

Frame Type	TX Count	RX Count
Multicast	0	23
Broadcast	2	27
Unicast	90157648	90149089
Non-Unicast	2	50
Total	90157650	90149139

Frame Size (Bytes)	RX Count	%
< 64	0	0.0
64	64739	0.0
65 - 127	3897047	4.3
128 - 255	7931760	8.7
256 - 511	15864229	17.5
512 - 1023	31722445	35.1
1024 - 1518	30668919	34.0
> 1518	0	0.0
Total	90149139	

Detailed EtherSAM Results

Service Configuration Test

Service 1 : Service 1

Committed Steps					
Committed Step	Frame Loss Rate	Max Jitter (ms)	Max Latency (ms)	Verdict	Avg Throughput (Mbit/s)
1-50%CIR	9.2E-05	0.08753	6.35363	PASS	474.94
2-75%CIR	1.2E-04	0.07035	6.51100	FAIL	712.38
3-90%CIR	8.2E-05	0.06300	6.28656	PASS	854.90
CIR	9.1E-05	0.05781	6.30840	PASS	949.88

Service Performance Test

Service 1 : Service 1

	Average	Minimum	Maximum	Estimate
Throughput (Mbit/s)	949.88	949.64	950.18	N/A
Jitter (ms)	0.00815	< 0.00001	0.08110	0.00775
Latency (ms)	5.95137	5.90731	6.79532	N/A
	Seconds	Count	Rate	
Frame Loss	598	8304	9.4E-05	
Out-of-Sequence	0	0	0.0E00	

TEST SETUP

Clock Synchronization	
Clock Mode	Internal

Detailed Services Configuration

Layer Mode	Mixed
IP Version	IPv4
Global Pass/Fail Verdict	Enabled
Total Committed TX Rate (Mbit/s)	950.00

Service 1

Service Profile	
Service Name	Service 1
Profile	Data
Frame Size Type	Random

SLA Parameters	
Information Rate	
CIR (Mbit/s)	950.00
Performance Criteria	
Max Jitter (ms)	2.00000
Max Latency (ms)	28.00000
Frame Loss Rate	1.0E-04

Test Parameters

Framing	
Frame Format	Ethernet II
Network Layer	IPv4
Transport Layer	UDP
VLAN	None
MPLS	Disabled

Addressing

	MAC	IP Address	UDP Port
Source	00:03:01:F8:22:DD	10.112.0.1 / 255.255.255.0	49184
Destination	00:03:01:10:2D:46	10.112.0.31	7

EtherType	0x0800
Automatic IP (DHCP)	Disabled
TTL	128
TOS	0x00
Default Gateway	Disabled

FUNCTIONS

Ping & Trace Route

Network	
Source MAC Address	00:03:01:F8:22:DD
Source IP Address	10.112.0.1 (Stream 1)
Destination IP Address	10.112.0.31

Ping	
Timeout (ms)	4000
Delay (ms)	1000
Data Size (Bytes)	32
TTL	128
Type Of Service (TOS)	0x00

Ping Results		
No.	Status	Reply Details
58	Timeout	
59	Timeout	
60	Timeout	
61	Timeout	
62	Timeout	
63	Timeout	
64	Timeout	
65	Timeout	
66	Timeout	
67	Timeout	
68	Timeout	
69	Timeout	
70	Timeout	
71	Timeout	
72	Timeout	
73	Timeout	
74	Timeout	
75	Timeout	
76	Timeout	
77	Timeout	
78	Timeout	
79	Timeout	
80	Timeout	

81	Timeout	
82	Timeout	
83	Timeout	
84	Timeout	
85	Timeout	
86	Timeout	
87	Timeout	
88	Timeout	
89	Timeout	
90	Timeout	
91	Timeout	
92	Timeout	
93	Timeout	
94	Timeout	
95	Timeout	
96	Timeout	
97	Timeout	
98	Timeout	
99	Timeout	
100	Timeout	
101	Timeout	
102	Timeout	
103	Timeout	
104	Timeout	
105	Timeout	
106	Timeout	
107	Timeout	
108	Timeout	
109	Timeout	
110	Timeout	
111	Timeout	
112	Timeout	
113	Timeout	
114	Timeout	
115	Timeout	
116	Timeout	
117	Timeout	
118	Timeout	
119	Timeout	
120	Timeout	
121	Timeout	
122	Timeout	
123	Timeout	

124	Timeout	
125	Timeout	
126	Timeout	
127	Timeout	
128	Timeout	
129	Timeout	
130	Timeout	
131	Timeout	
132	Timeout	
133	Timeout	
134	Timeout	
135	Timeout	
136	Timeout	
137	Timeout	
138	Timeout	
139	Timeout	
140	Timeout	
141	Timeout	
142	Timeout	
143	Successful	IP=10.112.0.31, Bytes=32, Time=6 ms, TTL=63
144	Successful	IP=10.112.0.31, Bytes=32, Time=6 ms, TTL=63
145	Successful	IP=10.112.0.31, Bytes=32, Time=6 ms, TTL=63
146	Successful	IP=10.112.0.31, Bytes=32, Time=6 ms, TTL=63
147	Successful	IP=10.112.0.31, Bytes=32, Time=6 ms, TTL=63
148	Successful	IP=10.112.0.31, Bytes=32, Time=6 ms, TTL=63
149	Successful	IP=10.112.0.31, Bytes=32, Time=6 ms, TTL=63
150	Successful	IP=10.112.0.31, Bytes=32, Time=6 ms, TTL=63
151	Successful	IP=10.112.0.31, Bytes=32, Time=6 ms, TTL=63
152	Successful	IP=10.112.0.31, Bytes=32, Time=6 ms, TTL=63
153	Successful	IP=10.112.0.31, Bytes=32, Time=6 ms, TTL=63
154	Successful	IP=10.112.0.31, Bytes=32, Time=6 ms, TTL=63
155	Successful	IP=10.112.0.31, Bytes=32, Time=6 ms, TTL=63
156	Successful	IP=10.112.0.31, Bytes=32, Time=6 ms, TTL=63
157	User aborted	

Ping Statistics	
Packets Transmitted	156
Packets Received	14
Percentage Lost (%)	91.0
Minimum Round Trip Time (ms)	6
Maximum Round Trip Time (ms)	6
Average Round Trip Time (ms)	6

Trace Route	
Timeout (ms)	4000
Max Hop Count	128

SYSTEM INFORMATION

Product Name	Power Blazer Series
Version	Power Blazer Series 1.60 SP1
Module ID	FTBx-8870
Slot ID	1
Software Product Version	1.60.1.101
	Power Blazer Series 1.60 SP1
Assembly Hardware Revision	B
Serial Number	1343183
Calibration Date	4/20/2020 9:30:00 PM

Pluggable Module

Module ID	SFP+
Vendor Name	WFS
Part Number	WFSP-1396-10-J
Serial Number	3161413565
Hardware Revision	1.0
Connector Type	LC
Speed	10G
Type/Compliance Code	LR, 10.0 km (SMF)
Wavelength	1310 nm
Mode	Single-Mode Fiber
Power Class	Power Class 1 Module (<= 1W max)
Temperature (Max)	32.3 °C

Software Options

DS1-FDL	DS1/1.5M Facility Data Link	Disabled
CPRI-10.1G	CPRI 10.1376 Gbit/s	Disabled
SDH	Synchronous Digital Hierarchy	Enabled
SONET	Synchronous Optical Network	Enabled
622M	622 Mbit/s	Disabled
eCPRI-10G	eCPRI over 10G Ethernet	Disabled
DSn	Digital Signal (DS1, DS3)	Disabled
PDH	Plesiochronous Digital Hierarchy (E1, E3, E4)	Disabled
155M	155 Mbit/s	Disabled
2488M	2.488 Gbit/s	Disabled
10G_LAN	Ethernet 10G LAN optical interface	Enabled
10G_WAN	Ethernet 10G WAN optical interface	Enabled
L2-Transparency	L2CP Handling Test in EtherSAM	Disabled
TCM	Tandem Connection Monitoring HO/LO	Disabled

TunableOptics	Tunable Wavelength Support for SFP+	Disabled
9953M	9.953 Gbit/s	Disabled
OTU1	Optical Transport Unit-1 (2.7 Gbit/s)	Disabled
OTU2	Optical Transport Unit-2 (10.7 Gbit/s)	Disabled
100Optical	Ethernet 100Base-FX (Optical) Interface	Disabled
GigE_Optical	Ethernet 1000Base-X (Optical) Interface	Enabled
GigE_Electrical	Ethernet 1000Base-T (Electrical) Interface	Enabled
FC-1X	Fibre Channel 1X	Disabled
FC-2X	Fibre Channel 2X	Disabled
TCP-THPUT	Tcp Throughput Test Application	Disabled
100electrical	Ethernet 100Base-TX (Electrical) Interface	Enabled
10electrical	Ethernet 10Base-T (Electrical) Interface	Enabled
ODUMUX	ODU Multiplexing Payload Type 20 and 21	Disabled
FC-10X	Fibre Channel 10X	Disabled
OTU2-1e-2e	Optical Transport Unit-2 Overclocked (11.049/11.096 Gbit/s)	Disabled
FC-4X	Fibre Channel 4X	Disabled
ADV-FILTERS	Advanced Filtering	Disabled
MPLS	MPLS Encapsulation (10GE and less)	Disabled
IPV6	Internet Protocol Version 6 (IPv6) (10GE and less)	Disabled
OTN-INTR-THRU	OTN Intrusive Through Mode	Disabled
EoOTN	Ethernet over Optical Transport Network	Disabled
ETH-THRU	Through Mode Test Application	Disabled
OTU2-1f-2f	Optical Transport Unit-2 Overclocked (11.270/11.317 Gbit/s)	Disabled
Cable_Test	Cable Test	Disabled
ODU0	OTN ODU0	Disabled
ETH-CAPTURE	Ethernet Frame Capture for Advanced Troubleshooting	Disabled
ODUflex	OTN ODUflex	Disabled
TRAFFIC-SCAN	Traffic Scan	Disabled
52M	52 Mbit/s	Enabled
NI-CSU	NI/CSU Emulation	Disabled
FC-8X	Fibre Channel 8X	Disabled
CPRI	CPRI 2.4576 Gbit/s and 3.072 Gbit/s	Disabled
OBSAI	OBSAI 3.072 Gbit/s	Disabled
1588PTP	1588 Precision Time Protocol	Disabled
SyncE	Synchronous Ethernet	Disabled
ETH-OAM	Carrier Ethernet OAM Test Application	Disabled
CPRI-1.2G	CPRI 1.2288 Gbit/s	Disabled
CPRI-4.9G	CPRI 4.9152 Gbit/s	Disabled
CPRI-6.1G	CPRI 6.144 Gbit/s	Disabled
CPRI-9.8G	CPRI 9.8304 Gbit/s	Disabled
DUAL-PORT	Dual Port Test	Disabled
RFC6349	RFC 6349 Test Application (10GE and less)	Disabled
iSAM	Intelligent Service Activation Methodology	Disabled
PoE	Power Over Ethernet	Disabled
LINK-OAM	Link OAM	Disabled
DP-CPRI	Dual Port CPRI	Disabled

TST-OAM	Test Over Service OAM	Disabled
G82751	ITU-T G.8275.1 Profile	Disabled
iOptics	Intelligent Pluggable Optic Test Application	Disabled
EoE	Ethernet over Ethernet Encapsulation (10GE and less)	Disabled
PBBTE	Provider Backbone Bridge Encapsulation (10GE and less)	Disabled
RFC6349-EXFOWorx	Enables EXFO Worx Interop Operation Mode	Disabled
GCC-BERT	OTN Overhead BERT and Synchronization Validation	Disabled
OBSAI-1.5G	OBSAI 1.536 Gbit/s	Disabled
OBSAI-6.1G	OBSAI 6.144 Gbit/s	Disabled
DTS-NAT	NAT Traversal for DTS applications	Disabled

LOGGER

ID	Start Time	Event	Duration	Details
1	09/22 08:58:56 AM	Test Started		2020-09-22
2	09/22 08:59:00 AM	Service Configuration te		2020-09-22
3	09/22 08:59:29 AM	Service 1 Fail		1 Service 1
4	09/22 08:59:35 AM	Service Performance tes		2020-09-22
5	09/22 08:59:39 AM	Frame Loss	00:10:07	8304/8304 S(1)
6	09/22 09:09:45 AM	Test Stopped		 FAIL