



FTBx-8870 Report

FAIL

Report Header: nooksackvalley-k12
Report Title:
Report Date: 10/15/2020 3:46:43 PM
Type: EtherSAM (Y.1564)

Job Information

Job ID:
Circuit ID: NOOWESK2-1G-060220
Contractor Name: StarTouch
Customer Name: nooksackvalley-k12
Operator Name: daniel dh
Comment: Failed Test

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SUMMARY

Results Summary

Test Status	
Service Configuration Test Status	Completed, Fail
Service Performance Test Status	Completed, Fail
Pass/Fail Verdict	FAIL
Start Time	10/15/2020 03:33:36 PM
Duration	00d:00:10:48
Test Recovery	0

EtherSAM

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

Service Configuration Summary						
	Service Name	Frame Loss Rate	Max Jitter (ms)	Max Latency (ms)	Max Throughput (Mbit/s)	Service Verdict
1	Service 1	7.5E-01	1.58561	39.68479	237.57	FAIL

Service Performance Summary						
	Service Name	Frame Loss Rate	Max Jitter (ms)	Max Latency (ms)	Avg Throughput (Mbit/s)	Service Verdict
1	Service 1	7.5E-01	87.72991	142.89534	237.12	FAIL

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	348
Broadcast	2	16
Unicast	90158270	22542106
Non-Unicast	2	364
Total	90158272	22542470

Frame Size (Bytes)	RX Count	%
< 64	0	0.0
64	15890	0.0
65 - 127	962979	4.2
128 - 255	1953497	8.6
256 - 511	3928711	17.4
512 - 1023	7925266	35.1
1024 - 1518	7756127	34.4
> 1518	0	0.0
Total	22542470	

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	5.1E-01	0.92948	36.28433	FAIL	228.52
2-75%CIR	6.6E-01	0.91043	36.26823	FAIL	236.49
3-90%CIR	7.2E-01	0.93253	36.56295	FAIL	237.57
CIR	7.5E-01	1.58561	39.68479	FAIL	237.54

Service Performance Test

Service 1 : Service 1

	Average	Minimum	Maximum	Estimate
Throughput (Mbit/s)	237.12	131.36	238.29	N/A
Jitter (ms)	0.04645	< 0.00001	87.72991	0.02569
Latency (ms)	35.77628	4.22035	142.89534	N/A
	Seconds	Count	Rate	
Frame Loss	598	65763477	7.5E-01	
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	00:03:01:10:33:77	10.112.0.26	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	10.112.0.26

Ping	
Timeout (ms)	500
Delay (ms)	500
Data Size (Bytes)	32
TTL	128
Type Of Service (TOS)	0x00

Ping Results		
No.	Status	Reply Details
2147	Successful	IP=10.112.0.26, Bytes=32, Time=5 ms, TTL=63
2148	Successful	IP=10.112.0.26, Bytes=32, Time=4 ms, TTL=63
2149	Successful	IP=10.112.0.26, Bytes=32, Time=4 ms, TTL=63
2150	Successful	IP=10.112.0.26, Bytes=32, Time=4 ms, TTL=63
2151	Successful	IP=10.112.0.26, Bytes=32, Time=16 ms, TTL=63
2152	Successful	IP=10.112.0.26, Bytes=32, Time=5 ms, TTL=63
2153	Successful	IP=10.112.0.26, Bytes=32, Time=4 ms, TTL=63
2154	Successful	IP=10.112.0.26, Bytes=32, Time=10 ms, TTL=63
2155	Successful	IP=10.112.0.26, Bytes=32, Time=4 ms, TTL=63
2156	Successful	IP=10.112.0.26, Bytes=32, Time=9 ms, TTL=63
2157	Successful	IP=10.112.0.26, Bytes=32, Time=17 ms, TTL=63
2158	Successful	IP=10.112.0.26, Bytes=32, Time=15 ms, TTL=63
2159	Successful	IP=10.112.0.26, Bytes=32, Time=4 ms, TTL=63
2160	Successful	IP=10.112.0.26, Bytes=32, Time=4 ms, TTL=63
2161	Successful	IP=10.112.0.26, Bytes=32, Time=4 ms, TTL=63
2162	Successful	IP=10.112.0.26, Bytes=32, Time=7 ms, TTL=63
2163	Successful	IP=10.112.0.26, Bytes=32, Time=4 ms, TTL=63
2164	Successful	IP=10.112.0.26, Bytes=32, Time=4 ms, TTL=63
2165	Successful	IP=10.112.0.26, Bytes=32, Time=4 ms, TTL=63
2166	Successful	IP=10.112.0.26, Bytes=32, Time=4 ms, TTL=63
2167	Successful	IP=10.112.0.26, Bytes=32, Time=10 ms, TTL=63
2168	Successful	IP=10.112.0.26, Bytes=32, Time=4 ms, TTL=63
2169	Successful	IP=10.112.0.26, Bytes=32, Time=5 ms, TTL=63

2170	Successful	IP=10.112.0.26, Bytes=32, Time=4 ms, TTL=63
2171	Successful	IP=10.112.0.26, Bytes=32, Time=4 ms, TTL=63
2172	Successful	IP=10.112.0.26, Bytes=32, Time=4 ms, TTL=63
2173	Successful	IP=10.112.0.26, Bytes=32, Time=9 ms, TTL=63
2174	Successful	IP=10.112.0.26, Bytes=32, Time=4 ms, TTL=63
2175	Successful	IP=10.112.0.26, Bytes=32, Time=4 ms, TTL=63
2176	Successful	IP=10.112.0.26, Bytes=32, Time=4 ms, TTL=63
2177	Successful	IP=10.112.0.26, Bytes=32, Time=4 ms, TTL=63
2178	Successful	IP=10.112.0.26, Bytes=32, Time=4 ms, TTL=63
2179	Successful	IP=10.112.0.26, Bytes=32, Time=4 ms, TTL=63
2180	Successful	IP=10.112.0.26, Bytes=32, Time=4 ms, TTL=63
2181	Successful	IP=10.112.0.26, Bytes=32, Time=4 ms, TTL=63
2182	Successful	IP=10.112.0.26, Bytes=32, Time=6 ms, TTL=63
2183	Successful	IP=10.112.0.26, Bytes=32, Time=4 ms, TTL=63
2184	Successful	IP=10.112.0.26, Bytes=32, Time=11 ms, TTL=63
2185	Successful	IP=10.112.0.26, Bytes=32, Time=4 ms, TTL=63
2186	Successful	IP=10.112.0.26, Bytes=32, Time=4 ms, TTL=63
2187	Successful	IP=10.112.0.26, Bytes=32, Time=4 ms, TTL=63
2188	Timeout	
2189	Timeout	
2190	Timeout	
2191	Timeout	
2192	Timeout	
2193	Timeout	
2194	Timeout	
2195	Timeout	
2196	Timeout	
2197	Timeout	
2198	Timeout	
2199	Timeout	
2200	Timeout	
2201	Timeout	
2202	Timeout	
2203	Timeout	
2204	Timeout	
2205	Timeout	
2206	Timeout	
2207	Timeout	
2208	Timeout	
2209	Timeout	
2210	Timeout	
2211	Timeout	
2212	Timeout	

2213	Timeout	
2214	Timeout	
2215	Timeout	
2216	Timeout	
2217	Timeout	
2218	Timeout	
2219	Timeout	
2220	Timeout	
2221	Timeout	
2222	Timeout	
2223	Timeout	
2224	Timeout	
2225	Timeout	
2226	Timeout	
2227	Timeout	
2228	Timeout	
2229	Timeout	
2230	Timeout	
2231	Timeout	
2232	Timeout	
2233	Timeout	
2234	Timeout	
2235	Timeout	
2236	Timeout	
2237	Timeout	
2238	Timeout	
2239	Timeout	
2240	Timeout	
2241	Timeout	
2242	Timeout	
2243	Timeout	
2244	Timeout	
2245	Timeout	
2246	Timeout	

Ping Statistics	
Packets Transmitted	2246
Packets Received	479
Percentage Lost (%)	78.7
Minimum Round Trip Time (ms)	4
Maximum Round Trip Time (ms)	98
Average Round Trip Time (ms)	17

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)	33.9 °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	10/15 03:33:36 PM	Test Started		2020-10-15
2	10/15 03:33:40 PM	Service Configuration te		2020-10-15
3	10/15 03:34:08 PM	Service 1 Fail		1 Service 1
4	10/15 03:34:14 PM	Service Performance tes		2020-10-15
5	10/15 03:34:18 PM	Frame Loss	00:10:07	65763477/65763477 S(1)
6	10/15 03:34:19 PM	Latency > 28.0 ms	00:10:06	142.89534 ms S(1)
7	10/15 03:35:30 PM	Jitter > 2.0 ms	00:00:01	2.23564 ms S(1)
8	10/15 03:35:44 PM	Jitter > 2.0 ms	00:00:01	2.82462 ms S(1)
9	10/15 03:37:25 PM	Jitter > 2.0 ms	00:00:02	2.99356 ms S(1)
10	10/15 03:39:22 PM	Jitter > 2.0 ms	00:00:02	87.72991 ms S(1)
11	10/15 03:41:26 PM	Jitter > 2.0 ms	00:00:01	3.23691 ms S(1)
12	10/15 03:41:43 PM	Jitter > 2.0 ms	00:00:01	2.40374 ms S(1)
13	10/15 03:44:11 PM	Jitter > 2.0 ms	00:00:02	2.29572 ms S(1)
14	10/15 03:44:24 PM	RX Rate < 950.0 Mbit/s	00:00:01	237.12 Mbit/s S(1)
15	10/15 03:44:24 PM	Frame Loss > 1.0E-04	00:00:01	7.5E-01 S(1)
16	10/15 03:44:24 PM	Service 1 Fail		1 Service 1
17	10/15 03:44:24 PM	Test Stopped		 FAIL