



## Packet Blazer 10GigE

### Job Information

|               |                          |
|---------------|--------------------------|
| Job ID        | 1                        |
| Contractor    | University of Washington |
| Customer      | evergreen-vancouver-k12  |
| Report Date   | 2018-10-30 15:05:03      |
| Operator Name | daniel dh                |
| Circuit ID    | zayo:OGYX/172818//ZYO    |

File Name: C:\inetpub\wwwroot\k20\_performance\_reports\evergreen-van-k12\2018-10-30\_evergreen-van-k12\_RFC2544DUAL\_fail.pdf

Comment: FAIL

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## 1. Setup

### 1.1. Dual Test Set

| Item               | Value       |
|--------------------|-------------|
| Dual Test Set      | Enabled     |
| Dual Test Set Mode | Remote      |
| Remote ID          | FTB-860GL61 |

### 1.2. IPversion Status

| Port  | IP Version |
|-------|------------|
| Port1 | IPv4       |

### 1.3. Transceiver Mode

| Item             | Value      |
|------------------|------------|
| Transceiver Mode | 10GigE LAN |

## 2. Summary

### 2.1. Alarm

#### 2.1.1. Alarms

##### 2.1.1.1. Global

| Alarm    | H        |
|----------|----------|
| Global   | No Fault |
| Log Full | No Fault |

##### 2.1.1.2. Physical

| Alarm     | H        |
|-----------|----------|
| LOS       | No Fault |
| Frequency | No Fault |
| LOC       | No Fault |

| Signal Analysis | Value |
|-----------------|-------|
| Pwr (dBm)       | -1.8  |

| Frequency Analysis | Value         |
|--------------------|---------------|
| Freq (bps)         | 10312524672.0 |
| Offset (ppm)       | 2             |

##### 2.1.1.3. WIS

No information is available

##### 2.1.1.4. Ethernet

| Alarm | H        |
|-------|----------|
| Error | No Fault |
| Link  | No Fault |
| Fault | No Fault |

**2.1.1.5. Higher Layer Protocol**

|       |          |
|-------|----------|
| Alarm | H        |
| Error | No Fault |

**2.1.1.6. Pattern**

No information is available

**2.1.1.7. Other**

|       |          |
|-------|----------|
| Alarm | H        |
| SDT   | No Fault |

**2.1.2. Logger****2.1.2.1. Logger Events**

| ID | Date/Time           | Data Path | Event        | Duration | Count | Rate |
|----|---------------------|-----------|--------------|----------|-------|------|
| 1  | 2018-10-30 13:29:39 | Test 1    | Test Started |          |       |      |
| 2  | 2018-10-30 14:24:51 | Test 1    | Test Stopped |          |       |      |

**2.2. Test****2.2.1. Test Status**

| Item                | Value               |
|---------------------|---------------------|
| Start Time:         | 2018-10-30 13:29:39 |
| Port 1 Link         | Up                  |
| Expert Mode Verdict | --                  |
| RFC 2544            | --                  |

**2.2.2. Test Configuration**

| Item             | Value    |
|------------------|----------|
| Application Type | RFC 2544 |
| Test Name        | TEST     |
| Test Description |          |

**2.2.3. Test Preferences**

| Item                   | Value    |
|------------------------|----------|
| Couple Start/Enable TX | Disabled |

**2.2.4. Clock Configuration**

| Item       | Value    |
|------------|----------|
| Clock Mode | Internal |

**2.2.5. Alarm Analysis**

| Alarm | H        | Seconds |
|-------|----------|---------|
| LOC   | No Fault | 0       |

**2.2.6. Timer Configuration**

| Item              | Value               |
|-------------------|---------------------|
| Start Time Status | Disabled            |
| Start Time        | 2018-10-30 13:27:46 |
| Stop Time Status  | Disabled            |
| Stop Time         | 2018-10-30 13:27:46 |
| Duration Status   | Disabled            |
| Duration          | 15 minutes          |
| On/Off State      | Disabled            |

### 3. Optical [P1]/Port

#### 3.1. TX

##### 3.1.1. Signal Analysis

| Item            | Value  |
|-----------------|--------|
| Output Presence | Active |

##### 3.1.2. Alarm Generation

No information is available

##### 3.1.3. Frequency

| Item                    | Value       |
|-------------------------|-------------|
| Frequency Offset (ppm)  | 0           |
| On/Off                  | Disabled    |
| Actual Frequency (bps)  | 10312499904 |
| Nominal Frequency (bps) | 10312500000 |

#### 3.2. RX

##### 3.2.1. Signal Analysis

| Item        | Value        |
|-------------|--------------|
| Range (dBm) | -14.0 to 2.0 |
| Power (dBm) | -1.8         |

##### 3.2.2. Alarm Analysis

| Alarm     | H        | Seconds |
|-----------|----------|---------|
| LOS       | No Fault | 0       |
| Frequency | No Fault | 0       |

### 3.2.3. Frequency Analysis

| Item                       | Value       |
|----------------------------|-------------|
| Frequency (bps)            | 10312524672 |
| Frequency Offset (bps)     | 24672       |
| Max. Negative Offset (bps) | 0           |
| Max. Positive Offset (bps) | 24736       |

## 3.3. Interface

### 3.3.1. Configuration

| Item         | Value |
|--------------|-------|
| Flow Control | None  |

### 3.3.2. Status

| Item | Value |
|------|-------|
| Link | Up    |

## 3.4. Network

### 3.4.1. MAC Configuration

| Item        | Value             |
|-------------|-------------------|
| MAC Address | 00:03:01:08:9E:3D |

#### 3.4.1.1. VLAN

| Item        | Value    |
|-------------|----------|
| Enable VLAN | Disabled |

**3.4.2. IP Configuration**

| Item                   | Value         |
|------------------------|---------------|
| IP Address             | 10.112.0.104  |
| Subnet Mask            | 255.255.255.0 |
| Enable DHCP            | Disabled      |
| Enable Default Gateway | Disabled      |
| Default Gateway        | N/A           |

**3.4.3. Frame Format**

| Item   | Value       |
|--------|-------------|
| Format | Ethernet II |
| OUI    | N/A         |

## 4. Optical [P1]/Ethernet Framed Layer 2/Traffic Analyzer

### 4.1. Eth. RX

#### 4.1.1. Configuration

| Item                | Value    |
|---------------------|----------|
| Oversize Monitoring | Disabled |

#### 4.1.2. Alarm Analysis

| Alarm        | H        | Seconds |
|--------------|----------|---------|
| Link Down    | No Fault | 0       |
| Local Fault  | No Fault | 0       |
| Remote Fault | No Fault | 0       |

#### 4.1.3. Error Analysis

| Error             | H        | Seconds | Count | Rate    |
|-------------------|----------|---------|-------|---------|
| Block             | No Fault | 0       | 0     | 0.00E00 |
| FCS               | No Fault | 0       | 0     | 0.00E00 |
| Jabber/Giant      | No Fault | 0       | 0     | 0.00E00 |
| Oversize          | N/A      | N/A     | N/A   | N/A     |
| Runt              | No Fault | 0       | 0     | 0.00E00 |
| Undersize         | No Fault | 0       | 0     | 0.00E00 |
| Total Error Count |          |         | 0     |         |

### 4.2. Eth. Stats

#### 4.2.1. Total Frame Counts

|             | RX Count   | TX Count   |
|-------------|------------|------------|
| Total Count | 4714088482 | 4458656440 |

**4.2.2. Valid Frame Counts**

| Frames    | TX Count   | RX Count   |
|-----------|------------|------------|
| Multicast | 0          | 119        |
| Broadcast | 0          | 0          |
| Unicast   | 4458656440 | 4714088363 |
| N-Unicast | 0          | 119        |
| Total     | 4458656440 | 4714088482 |

**4.2.3. Frame Size**

| Frame Size  | Count      | Total (%) |
|-------------|------------|-----------|
| < 64        | 0          | 0.000     |
| 64          | 2088532422 | 44.304    |
| 65 - 127    | 1231947691 | 26.133    |
| 128 - 255   | 699776841  | 14.844    |
| 256 - 511   | 321899102  | 6.828     |
| 512 - 1023  | 153260578  | 3.251     |
| 1024 - 1518 | 218671848  | 4.639     |
| > 1518      | 0          | 0.000     |

**4.2.4. Throughput**

| Item             | Value |
|------------------|-------|
| Bandwidth (Mbps) | 0.0   |
| Utilization (%)  | 0.0   |
| Frame Rate (fps) | 0     |

**4.3. Higher Layers****4.3.1. Higher Layer Protocol**

| Error              | H        | Seconds | Count | Rate    |
|--------------------|----------|---------|-------|---------|
| IP Header Checksum | No Fault | 0       | 0     | 0.00E00 |
| UDP Checksum       | No Fault | 0       | 0     | 0.00E00 |
| TCP Checksum       | N/A      | N/A     | N/A   | N/A     |

#### 4.4. Flow Control

##### 4.4.1. Statistics

| Item                     | Value |
|--------------------------|-------|
| Pause Time (Quanta)      | 0     |
| Last Pause Time (Quanta) | 0     |
| Max. Pause Time (Quanta) | 0     |
| Min. Pause Time (Quanta) | 0     |
| Pause Frames             | 0     |
| Abort Frames             | 0     |
| Frames TX                | 0     |
| Frames RX                | 0     |

## 5. Clock Synchronization

### 5.1. RX

#### 5.1.1. Configuration

| Item             | Value |
|------------------|-------|
| Interface Type   | None  |
| Termination Mode | N/A   |
| Line Coding      | N/A   |
| Framing          | N/A   |

#### 5.1.2. Alarm Analysis

| Alarm     | State |
|-----------|-------|
| LOS       | N/A   |
| AIS       | N/A   |
| LOF       | N/A   |
| Frequency | N/A   |

#### 5.1.3. Frequency Analysis

| Item                   | Value |
|------------------------|-------|
| Frequency (bps)        | --    |
| Frequency Offset (ppm) | --    |

## 5.2. Backplane

### 5.2.1. Configuration

| Item       | Value    |
|------------|----------|
| Clock Mode | Internal |
| Enable     | Disabled |

### 5.2.2. Alarm Analysis

| Alarm | State    |
|-------|----------|
| LOC   | No Fault |

### 5.3. Clock Out

#### 5.3.1. Configuration

| Item              | Value |
|-------------------|-------|
| Clock Out Divider | 16    |

## 6. Software Options

### 6.1. Available Options

| Category | Name            | Description                                              | Status   |
|----------|-----------------|----------------------------------------------------------|----------|
| Feature  | SK-ADV-FILTERS  | Advanced Traffic Filtering                               | Enabled  |
| Feature  | SK-DATA-CAPTURE | Ethernet Frame Capture for Advanced Troubleshooting      | Disabled |
| Feature  | SK-ETHERSAM     | Ethernet Service Activation Methodology Application Type | Enabled  |
| Feature  | SK-IPV6         | Internet Protocol Version 6 (IPv6)                       | Disabled |
| Feature  | SK-MPLS         | Multi Protocol Label Switching                           | Disabled |
| Feature  | SK-PBB-TE       | Provider Backbone Bridge with Traffic Engineering        | Disabled |
| Feature  | SK-TRAFFIC-SCAN | Traffic Scan Troubleshooting Feature                     | Disabled |
|          |                 |                                                          |          |
| Network  | SK-LAN          | Local Area Network                                       | Enabled  |
| Network  | SK-WAN          | Wide Area Network                                        | Enabled  |

## 7. Ping [P1]/Ping

### 7.1. Configuration

#### 7.1.1. Ping

##### 7.1.1.1. Setup

| Item       | Value         |
|------------|---------------|
| IP Address | 10.10.114.172 |
| Run        | Disabled      |

##### 7.1.1.1.1. Configuration

| Item                  | Value    |
|-----------------------|----------|
| Timeout (ms)          | 4000     |
| Delay (ms)            | 1000     |
| Data Size (Bytes)     | 32       |
| Time To Live (TTL)    | 128      |
| Attempts              | 4        |
| Continuous            | Disabled |
| Type Of Service (TOS) | 00       |

##### 7.1.1.2. Results

No information is available

##### 7.1.1.2.1. Statistics

No information is available

#### 7.1.2. TraceRoute

##### 7.1.2.1. Setup

| Item       | Value         |
|------------|---------------|
| IP Address | 10.10.114.172 |
| Run        | Disabled      |

**7.1.2.1.1. Configuration**

| Item           | Value |
|----------------|-------|
| Timeout (ms)   | 4000  |
| Max. Hop Count | 128   |

**7.1.2.2. Results**

No information is available

**7.1.2.2.1. Statistics**

No information is available