

# **SFI Test Report TLK10232**

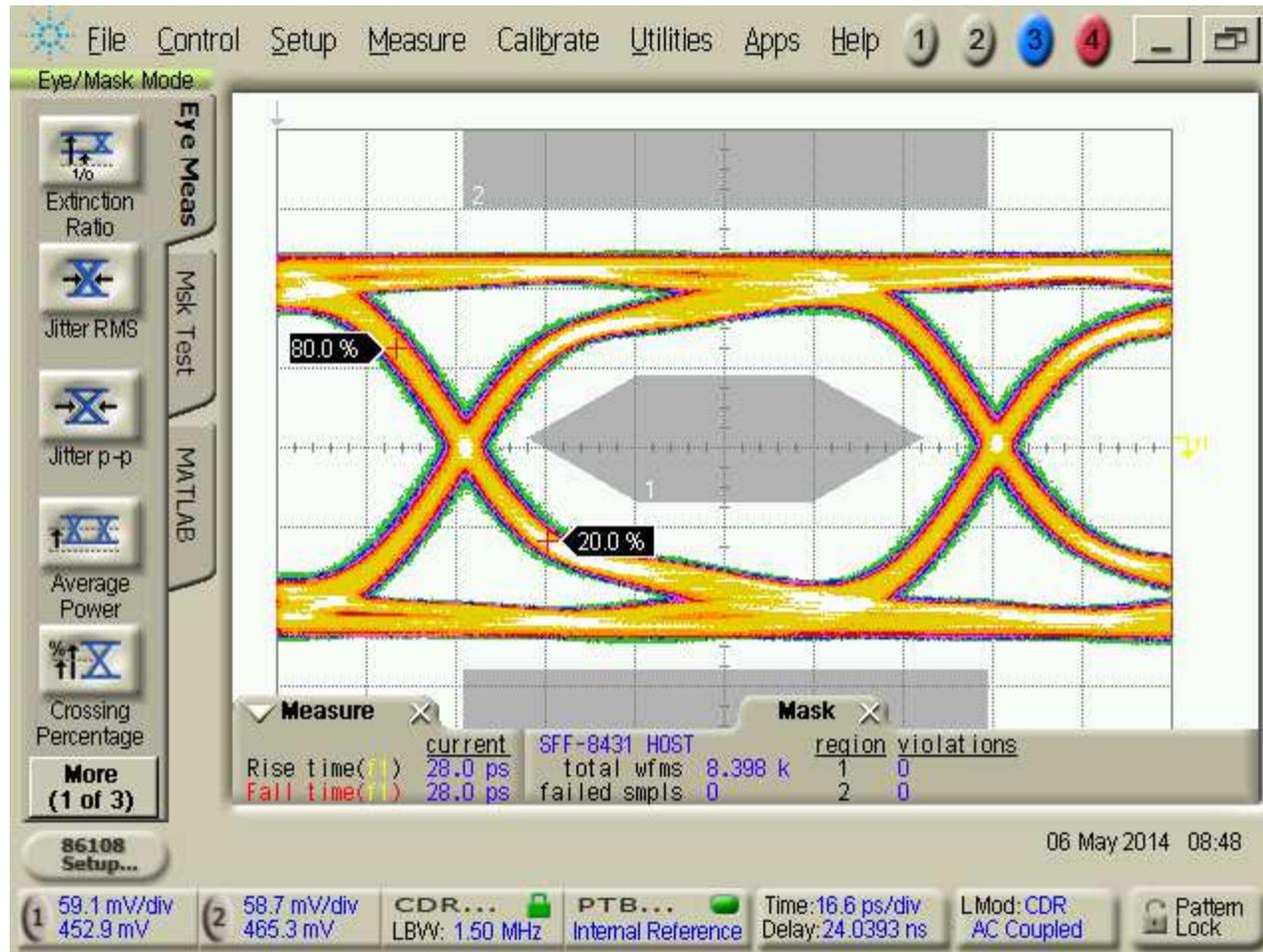
**Communication Interface – CIF  
May 2014**

# Transmitter Performance Report

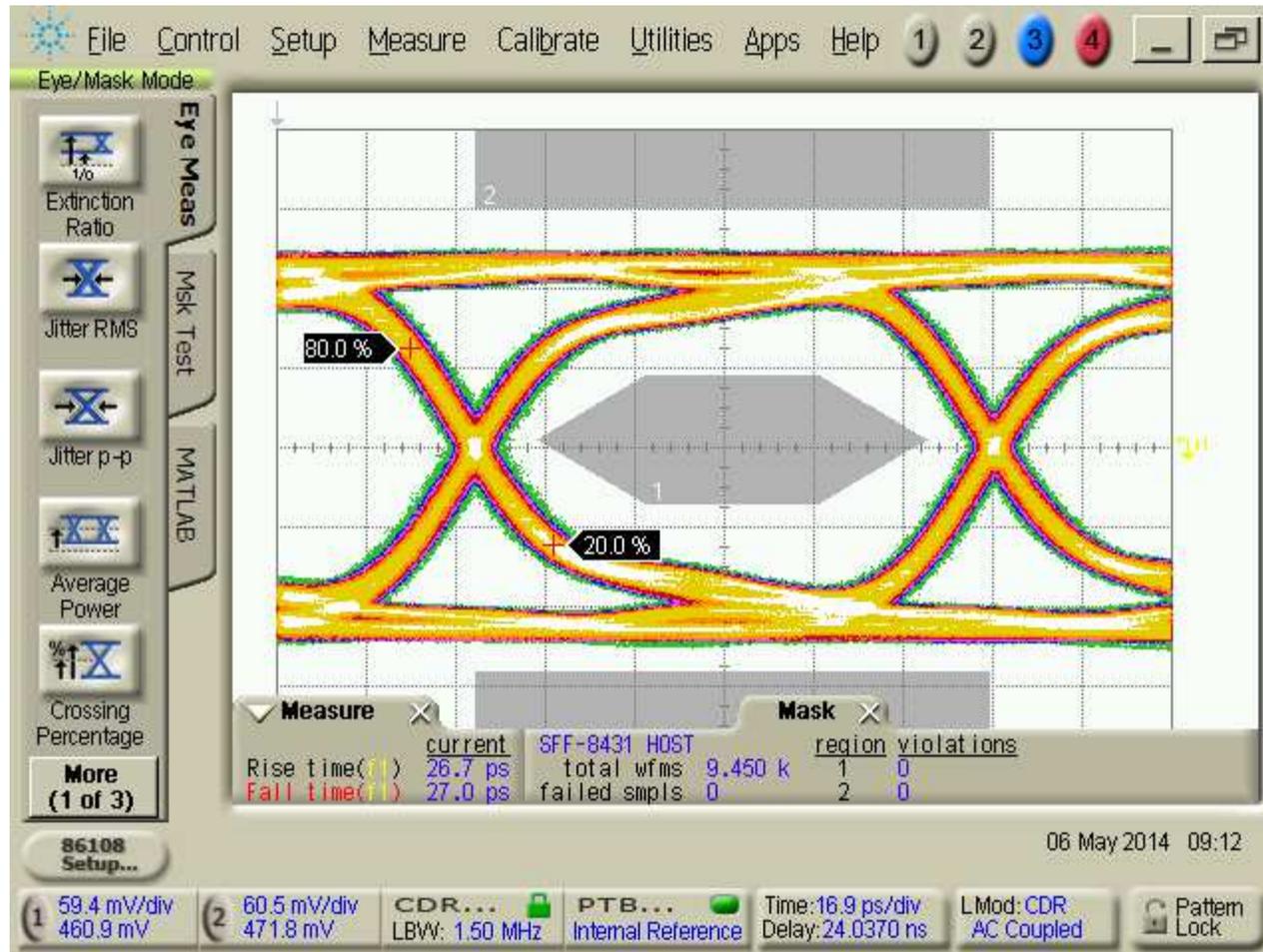
# Test Setup

- TLK10232 is configured to supply a compliant SFI eye.
  - Data Rate: 10.3125Gbps
  - Output Swing: 660mV
  - Test Pattern: Valid 64/66B Traffic
- Eye mask used for this test is compliant the SFF-8431 standard (Rev 4.1).
  - Eye Mask Specification used during testing is Host Transmitter Output at compliance point B.

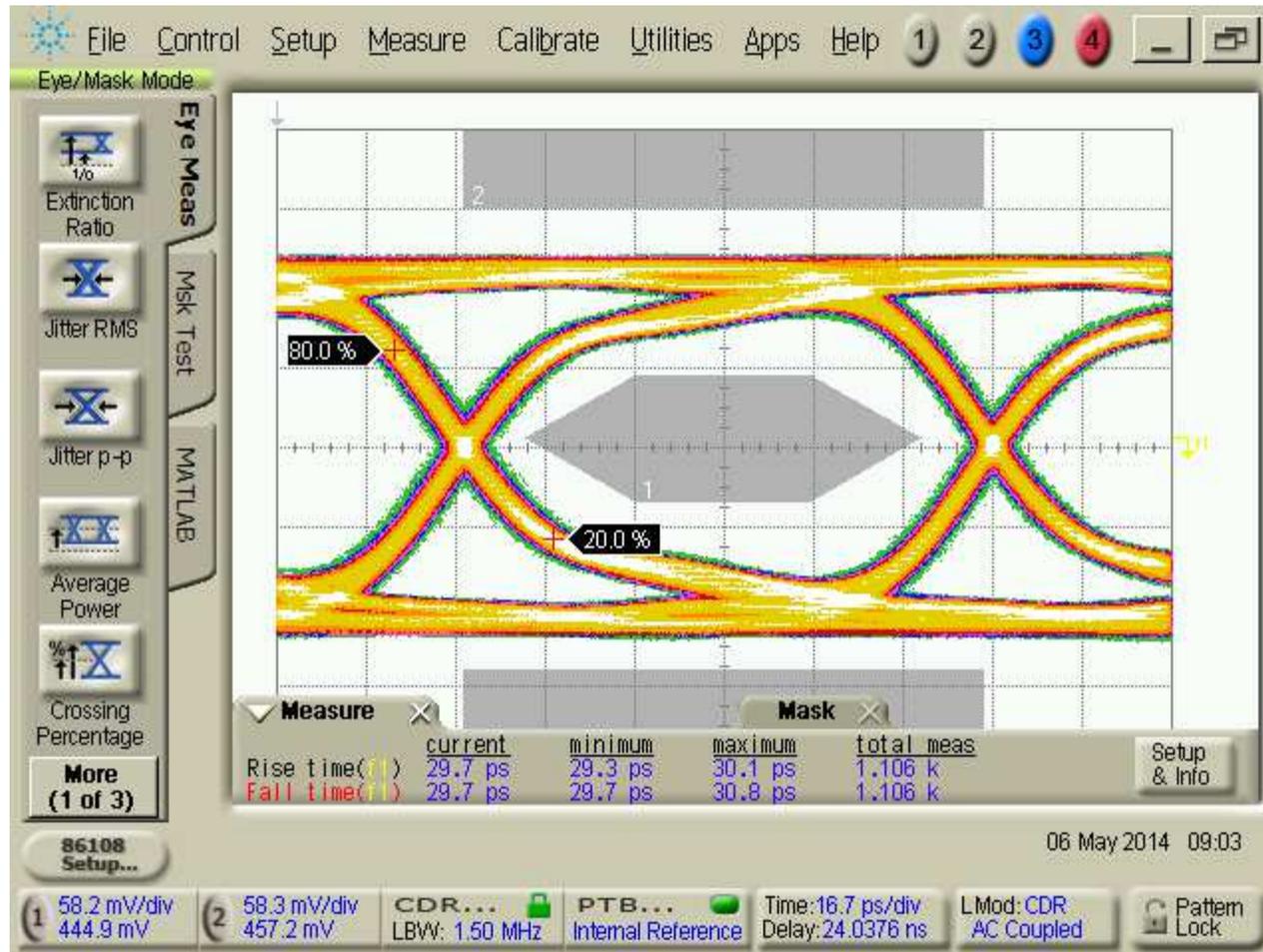
# Transmitter Output Eye Diagram @ 25°C



# Transmitter Output Eye Diagram @ 85°C

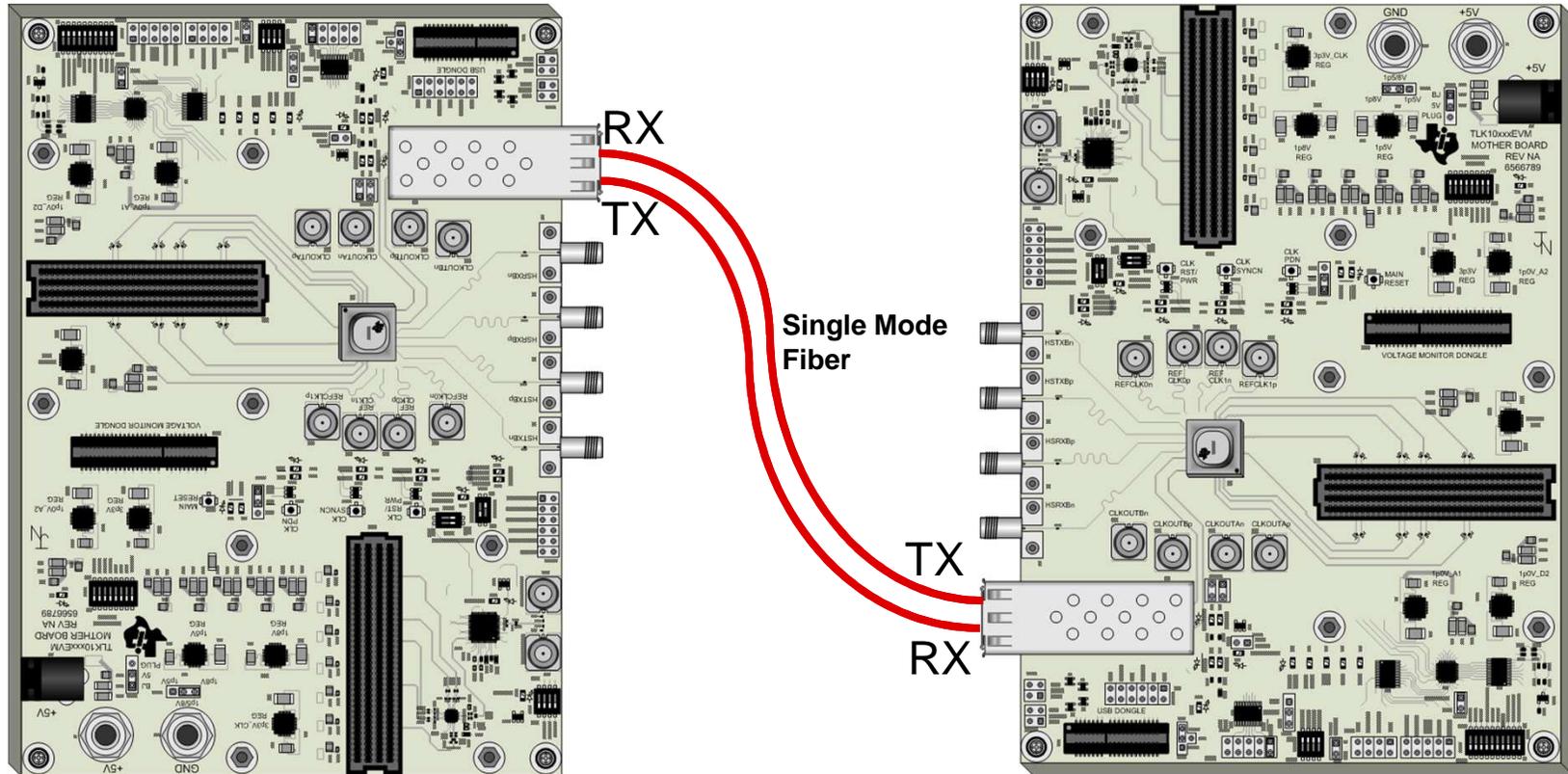


# Transmitter Output Eye Diagram @ -40°C



# Optical Module Interoperability Report

# Test Setup



Test Board A

Test Board B

# Interoperability Testing Results

<b>Optical Module A</b>	<b>Optical Module B</b>	<b>BER Achieved</b>	<b>Data Rate</b>
<b>Finisar (1310nm)</b>	<b>Finisar (1310nm)</b>	<b><math>3 \times 10^{-12}</math></b>	<b>10.3125Gbps</b>
<b>Finisar (1310nm)</b>	<b>Avago (1310nm)</b>	<b><math>3 \times 10^{-12}</math></b>	<b>10.3125Gbps</b>
<b>Finisar (1310nm)</b>	<b>JDSU (1310nm)</b>	<b><math>3 \times 10^{-12}</math></b>	<b>10.3125Gbps</b>
<b>Avago (1310nm)</b>	<b>JDSU (1310nm)</b>	<b><math>3 \times 10^{-12}</math></b>	<b>10.3125Gbps</b>
<b>JDSU (1310nm)</b>	<b>JDSU (1310nm)</b>	<b><math>3 \times 10^{-12}</math></b>	<b>10.3125Gbps</b>
<b>Avago (1310nm)</b>	<b>Avago (1310nm)</b>	<b><math>3 \times 10^{-12}</math></b>	<b>10.3125Gbps</b>

**For Further Information Contact:**

**Texas Instruments**

**CIF – Communication Interface**

**[http://e2e.ti.com/support/interface/high\\_speed\\_interface/default.aspx](http://e2e.ti.com/support/interface/high_speed_interface/default.aspx)**

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Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265  
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