Signal Quality Test Results in Tek format

Device ID: hs_001

Device Description: High Speed, Near End Device, Up Stream Testing, Tier 1, Dummy Device.

Date: Fri Apr 04 14:03:38 CST 2014

Overall Result: Pass*

Waveform Plot
### Results based on USB-IF / Waiver Limits:

<table>
<thead>
<tr>
<th>Measurement Name</th>
<th>Minimum</th>
<th>Maximum</th>
<th>Mean</th>
<th>pk-pk</th>
<th>Standard Deviation</th>
<th>RMS</th>
<th>Population</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monotonic Property</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>Pass</td>
</tr>
<tr>
<td>Eye Diagram Test</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Pass</td>
</tr>
<tr>
<td>Signal Rate</td>
<td>470.2690Mbps</td>
<td>487.1768Mbps</td>
<td>480.0278Mbps</td>
<td>0.0000bps</td>
<td>2.253044Mbps</td>
<td>479.7777Mbps</td>
<td>512</td>
<td>Pass</td>
</tr>
<tr>
<td>EOP Width</td>
<td>-</td>
<td>-</td>
<td>16.57870ns</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1</td>
<td>Pass</td>
</tr>
<tr>
<td>EOP Width (Bits)</td>
<td>-</td>
<td>-</td>
<td>7.958238</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1</td>
<td>Pass</td>
</tr>
<tr>
<td>Falling Edge Rate</td>
<td>1.138013kV/us</td>
<td>1.538662kV/us</td>
<td>1.325134kV/us</td>
<td>400.6486 V/us</td>
<td>75.52521 V/us</td>
<td>1.327265kV/us</td>
<td>107</td>
<td>Pass</td>
</tr>
<tr>
<td>Rising Edge Rate</td>
<td>1.157605kV/us</td>
<td>1.415730kV/us</td>
<td>1.293416kV/us</td>
<td>258.1257 V/us</td>
<td>71.48793 V/us</td>
<td>1.295372kV/us</td>
<td>108</td>
<td>Pass</td>
</tr>
</tbody>
</table>

Monotonicity test is performed on the test limits of 15.0% and 85.0%.

Additional Information:
- Consecutive Jitter range: -52.83ps to 59.21ps RMS Jitter 21.30ps
- KJ Paired Jitter range: -42.46ps to 49.83ps RMS Jitter 14.65ps
- JK Paired Jitter range: -45.11ps to 64.10ps RMS Jitter 15.39ps
- Rising Edge Rate: 1.293416kV/us (Equivalent Rise Time = 494.81 ps)
- Falling Edge Rate: 1.325134kV/us (Equivalent Fall Time = 482.97 ps)

*The Overall Result for this test is **Pass**, because one or more individual status of the measurements is **Pass**. For this test, the recommended configuration for USB2 testing (as per USB-IF) is on Tier 1.*
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