

Attendance:

Mr. Bernhard Laschinsky	Agere Systems
Mr. Jesse Jaramillo	Amphenol
Mr. Kevin Witt	Dallas Semiconductor
Mr. Kevin Marks	Dell, Inc.
Mr. Mickey Felton	EMC
Mr. David Freeman	Finisar Corp.
Mr. Barry Olawsky	Hewlett Packard Co.
Mr. Rob Elliott	Hewlett Packard Co.
Ms. Carrie Cox	IBM Corp.
Mr. Harvey Newman	Infineon Technologies
Dr. Mark Seidel	Intel Corp.
Mr. Pankaj Kumar	Intel Corp.
Mr. Michael Jenkins	LSI Logic Corp.
Mr. Gabriel Romero	LSI Logic Corp.
Mr. Galen Fromm	Molex Inc.
Mr. Hock Seow	NEC Electronics America, Inc.
Mr. Rick Hernandez	PMC-Sierra
Mr. Alvin Cox	Seagate Technology
Mr. Allen Kramer	Seagate Technology
Mr. Benoit Mercier	STMicroelectronics
Mr. Stephen Finch	STMicroelectronics
Mr. Kees Propstra	Tektronix, Inc.
Mr. Adrian Robinson	Vitesse Semiconductor
Mr. Mahbubul Bari	Vitesse Semiconductor
Mr. Larry McMillan	WDC

25 in attendance

Agenda:

- 1.) SAS-2 Zero-Length Test Load Characterization [Olawsky]
<http://www.t10.org/ftp/t10/document.07/07-013r1.pdf>

Barry adding a case 4 that was discussed. The goal is to define the test fixture characteristics to enable measurement through the mated connector (compliance point) with consistent results by multiple test locations. He will update this proposal based on the discussion. Concern about where the termination is located (on the board by the connector or in the measurement instrument through an SMA and cable).

- 2.) SAS-2 Return Loss Measurement Methodology
<http://www.t10.org/ftp/t10/document.07/07-071r0.pdf>

Include the applied amplitude of the network analyzer. What would be the worst case reflected energy from, a short connection or a long backplane? Updates and discussion to continue. Update discussed during the call needs to be posted.

- 3.) For the reference receiver, what does a "tap" mean with regards to performance? StatEye has certain assumptions regarding this. Harvey Newman will discuss with the StatEye originator and try to provide a separate proposal that describes the tap performance assumptions.

Carryover.

4.) Continue discussion of PHY specification proposal.
<http://www.t10.org/ftp/t10/document.07/07-063r1.pdf>

Reviewed the transmitter equalization measurement procedure and made a few updates. The method has been defined to the point where only editorial work is needed to complete the draft.

Spent the remainder of time on transmitter characteristics and measurement.

The SCD11 measurement will initially use the numbers proposed by Mike Jenkins and cut off at 6GHz. This seems to be a practical limit, although there was some concern about what happens above 6GHz. Mike took the action (and has already completed) to forward an Excel file containing the graph.

Continued the discussion concerning the use of physical compliance channels for testing as well as the s-parameter specification for them.

Schedule:

Next teleconference Thursday, March 1, 10 am CST.

There will be no teleconference on March 8.

Weekly teleconferences scheduled for Thursdays at 10 am CST:

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Webex information:

<https://seagate.webex.com/seagate>

Topic: SAS-2 PHY WG

Date: Thursday

Time: 10:00 am, Central Standard Time

Meeting number: 826 515 680

Meeting password: 6gbpsSAS