

Attendance:

Mr. Paul von Stamwitz	AMCC
Mr. Jesse Jaramillo	Amphenol
Mr. Greg McSorley	Amphenol
Mr. Kevin Witt	Dallas Semiconductor
Mr. Douglas Wagner	FCI
Mr. Barry Olawsky	Hewlett Packard Co.
Mr. James Rockrohr	IBM Corp.
Mr. Harvey Newman	Infineon Technologies
Mr. Paul Wassenberg	Marvell Semiconductor, Inc.
Mr. Galen Fromm	Molex Inc.
Mr. Guillaume Fortin	PMC-Sierra
Mr. Yuming Tao	PMC-Sierra
Mr. Joseph Chen	Samsung
Mr. Alvin Cox	Seagate Technology
Mr. Daniel Smith	Seagate Technology
Mr. Mahbubul Bari	Vitesse Semiconductor
Mr. Larry McMillan	WDC

17 in attendance

Agenda:

1. 07-304r0 SAS-2 Zero-Length Test Load Section [Olawsky]

<http://www.t10.org/ftp/t10/document.07/07-304r0.pdf>

Discussed a few aspects of the text and had some comments on the equations. Determined that the requirements should be mandatory for SAS-2 and recommended for previous versions of the specification. The SSC section may have some wording to help with this.

The SDD21 equation solved for 10MHz only allows .03 dB of loss. This is too low and should be addressed.

The signs < and > and their proper usage was also discussed. It was determined that the signs should be as follows:

SDD21 >=

SDD11 <=

Comments from review of Annex B? No. This needs to be reviewed prior to the meeting next Tuesday.

2. 06-499r3 SAS-2 10 Meter Cable Specification Issues [Olawsky]

<http://www.t10.org/ftp/t10/document.06/06-499r3.pdf>

- How does intra-pair amplitude mismatch reduce receiver margins?
- Will the termination method be an issue?
- Does common mode signal levels of (~20%) create a new problem for the receiver?

Sample S parameter measurements are being made. Data to be available next week.

3. 07-297r0 SAS-2 CJTPAT usage [Elliott]

<http://www.t10.org/ftp/t10/document.07/07-297r0.pdf>

Result of our discussion last week on JTPAT and CJTPAT. Please review for 7/10 discussion.

4. 07-294r0 SAS 2.0r10 [Neer]

<http://www.t10.org/ftp/t10/document.07/07-294r0.pdf>

This posting is not the intended name or content. The purpose is to make the pull tab mandatory on the mini SAS 4x plug connector rather than having it optional. PHY chairman's comment: This is a highly controversial issue and should be decided outside the PHY working group. The PHY working group is responsible for the technical accuracy of the content and should therefore review the proposal on this basis. The pull tab presence does not apply directly to the intermateability, but rather, to the application. Alvin will discuss the situation with John Lohmeyer.

5. Update on Mahbubal Bari's test data presentation.

There are still discrepancies between the MetLab plots from and the measured values on the scope. There appears to be a factor of two issue. Mahbubal, Kevin, Harvey, and Anthony are working to resolve this.

6. New items

None.

7. Interim meeting information

An interim SAS-2 PHY working group face-to-face meeting is planned for August 15-16 in Lisle, IL. The meeting will be all day on 8/15 and the morning of 8/16. The meeting will be held at the Molex facility and area hotel information will posted soon. Waiting on area hotel information from Molex.

Molex will host the August interim meeting at their campus in Lisle, IL.

The dates scheduled are Wednesday August 15th - all day;

and Thursday the 16th 8am till noon.

Local hotel information and travel directions will be published by end of day tomorrow (7/6).

Next meeting:

9:00 am MDT Tuesday, July 10

Antlers Hilton Hotel

4 South Cascade Avenue

Colorado Springs, Colorado 80903