

Attendance:

Mr. Charles Hill	Alta Engineering
Mr. Jesse Jaramillo	Amphenol
Mr. Greg McSorley	Amphenol
Mr. Mickey Felton	EMC
Mr. Douglas Wagner	FCI
Mr. Mike Fitzpatrick	Fujitsu
Mr. Barry Olawsky	Hewlett Packard Co.
Mr. Rob Elliott	Hewlett Packard Co.
Mr. Harvey Newman	Infineon Technologies
Dr. Mark Seidel	Intel Corp.
Mr. Brian Day	LSI Corp.
Mr. Gabriel Romero	LSI Corp.
Mr. Bernhard Laschinsky	LSI Corp.
Mr. Kevin Witt	Maxim Semiconductor
Mr. Galen Fromm	Molex Inc.
Mr. Joseph Chen	Samsung
Mr. Edward Chang	Samsung
Mr. Alvin Cox	Seagate Technology
Mr. Bent Hessen-Schmidt	Synthesys Research, Inc.
Mr. Michael Fogg	TycoElectronics
Mr. Ramya Dissanayake	WDC

21 in attendance

Agenda:

1. Proposed Cable Tables for SAS2 6Gbs Phy [McSorley]

<http://www.t10.org/ftp/t10/document.07/07-471r0.pdf>

Change to frequency domain rather than time domain and specify separately. Initial revision to be posted on or by 1/7/08. Greg will work with Michael Fogg and Galen Fromm on the new revision. This item will be a major topic of discussion on the 1/10 conference call.

2. Description of SSC profile allowed discontinuities. [Hernandez, Fortin]

<http://www.t10.org/ftp/t10/document.08/08-027r3.pdf>

<http://www.t10.org/ftp/t10/document.08/08-032r0.pdf>

Discussed content of 08-032r0 and suggested some minor editorial changes. Alvin has sent these to Guillaume. Also referenced that some of the same material is included in 08-014. 08-014 has been updated to reference the changes proposed by 08-032.

3. SAS-2 Interconnect Signal-to-Noise Ratio Study [Olawsky]

<http://www.t10.org/ftp/t10/document.07/07-484r0.pdf>

No update today. To be a topic on the 1/10 conference call.

4. SAS-2 Receiver Device Physical Testing [Witt, Bari]

<http://www.t10.org/ftp/t10/document.07/07-486r1.pdf>

No update today.

This item will be a major topic of discussion on the 1/10 conference call.

5. Refine/provide status on simulation technology. [Jenkins, Newman]

A stable version with Rob's input is scheduled to be posted next week to stateye.org.

It will also include cascading options for return loss and transmission segment s-parameter files. Harvey indicated that the ability to input and analyze data captured by a scope is almost complete.

Reviewed SAS-2 StatEye v5.071210 results

<http://www.t10.org/ftp/t10/document.08/08-031r0.pdf>

Rob's spreadsheet format was considered to be a very good way to look at the simulation data. Harvey asked if 3-tap DFE was settled upon since all simulations passed with that and the answer is yes. Rob may include additional data with 2-tap on the next version of StatEye, but since all sources of noise are not included in the modeling, and some channels leave little simulation result margin, the 3-tap reference receiver performance is not likely to change.

6. SAS-2: Remove restrictions for SSC [Houlder, Cox]

<http://www.t10.org/ftp/t10/document.08/08-014r3.pdf>

Update posted at the link above. Includes a wording change to reference the changes proposed by 08-032.

7. SAS-2 6Gbps PHY specification [Cox]

<http://www.t10.org/ftp/t10/document.07/07-339r8.pdf>

Updates to references included. Please review and provide additional comments.

The wording on the last note in table 63 was changed to the following: The applied amplitude shall be less than -4,4 dBm (190mV zero to peak) maximum per port. Alvin does not plan to post an r9 until after the 1/15 meeting since there are no more revisions available after r9.

Next conference call:

January 10, 2008

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PARTICIPANT CODE: 3243413

Webex information:

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

Topic: SAS-2 PHY WG

Date: Thursday

Time: 10:00 am, Central Daylight Time (GMT -05:00, Chicago)

Meeting number: 826 515 680

Meeting password: 6gbpsSAS