Channel Model Ad Hoc:
Report

IEEE Interim Task Force Meeting

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Goals:

Develop "plan for February"

    a)Reduce channel loss

    b)Reduce crosstalk

    c)Increase EIT baseline

    d)Convert some of jitter in EIT test to DCD

    e)Reduce Tx Jitter

Procedure:

One teleconference: 2006 January 25. Meeting lasted 1:50, and covered item a) and began item b) before being cut off. Attendance was 18.

Accomplishments:

Extensive discussion of reduction in channel loss. Heard presentations on Reduced crosstalk. Held 4 straw polls and had one consensus item.

Straw poll

Do we keep the current relationship between EIT channel and informative model?

Y   10

N   3

Abstain   1

A clear Yes

Straw poll

How much should the channel attenuation be reduced at Nyquist frequency?

1. None   2

2. Some but less than 3dB   7

3. 3dB   7

4. More than 3dB   1

Strong support for some reduction possibly as much as 3dB.

Consensus item

We should specify return loss for the interference tolerance test channel.

No objection.

Straw poll

How should the shape of Amax change:

1. same shape, scaled only   1
2. Nyquist is scaled more than lower frequencies   2
3. We don't have sufficient information   13
4. More than 3dB   1

Need to look for more information

Straw poll

Do we need to keep the same channel model for all three PHY types?

Y   7

N   6

Abstain   2

No strong support for changing current spec.