



Channel Model Ad Hoc: Report

IEEE Interim Task Force Meeting
2005 June 21

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Activity overview:

- 1 Phone conference
- 2 Presentations
- 2 Straw Polls



Presentations

Presentation by Mellitz, supported by D'Ambrosia on the informative model.

- Clarified and corrected earlier work including equations in specs.
- Introduced different specs for KX, KX4, and KR by using different segments of the same ripple limit line.

Further clarification will be presented at this meeting.



Presentations

Presentation by D'Ambrosia:

Current thinking is that short low-loss channels are easy but they have problems of their own. We may need new specs to cover these effects including:

- ACR
- Tighter controls on return loss



Discussion:

- ♦ Feeling the task force Motion 5 at the May meeting left the specification of KX and KX4 channels ambiguous.
- ♦ Concern that specs may reject workable channels.



Straw Polls

Straw poll #1:

Define $\delta_{\text{amin/max}}$, IL1, IL2 (the SDD21 ripple parameters) independently for KX, KX4 and KR

Y: 2

N: 15

A: 4

Strong No



Straw Polls

Straw poll #2:

Choice, Define limit lines for insertion loss and ripple:

1. As a single slope line with segments for port type:
2. Different slopes for each port type with same attenuation end points:
- 3 Abstain:

1. 12
2. 0
3. 5

The committee clearly wants to use segments of a single line. The committee feels that this resolves the ambiguity in Motion 5.