

CX4 Issues Jan. 2003 Vancouver Interim

1. Key vs no-key connector

No key!

2. Cable assembly loss & jitter budget T54-9, remove?

Straw poll: 9 leave in; 8 take out; don't care: 13

3. Cable assembly definition (inc. test point demarcation)

Motion: Use MDI as compliance point for Tx, Rx and cable assembly specifications:

By: Peter Bradshaw; Second: Herb Vandeußen

Y: 22 (71%), N: 9, A: 3

Motion to reconsider:

By: Schelto Van Doorn, Second: Greg Vaupotic

Y: 27, N: 0, A: 2

Reconsideration, Admended to include: Reference Fig. 54-2a, use TP2 for Tx parameters, TP1a and TP4a for Cable assembly parameters, TP3 for Rx parameters.

By: Peter Bradshaw, Second: Herb Vandeußen

Y: 32, N: 0, A: 0

4. Cable assembly insertion loss definition

Motion: Remove insertion loss deviation, section 54.8.3, from specification.

By: Henricus Koeman, Second: Howard Baumer

Y: 5, N: 9, A: 19

Cable assembly insertion loss maximum needs to be specified

5. Cable assembly return loss

Needs to be specified

6. Next & Fext equations

Needs to be specified

7. Rx sensitivity

Motion: Remove Rx input sensitivity from the specification.

By: Schelto Van Doorn, Second: Steve Dreyer

Y: 21, N: 0, A: 14

8. Rx maximum absolute voltage

Retracted by initial proponent

9. Signal Detect specification

See minutes from 1/7/03

10. AC coupling, max C value

S.V.D will provide some text for cap coupled recommendation.

11. Tx template + WC Cable assembly vs Compliant channel + eye + WC Cable assembly

Motion: use a compliance test channel with CJPAT (48A.5) and a receive eye template for transmitter compliance specification.

By: Dimitry Taich, Second: Kamal Dalmia

Y: 7, N: 18, A: 13

12. Consistant signal path nomenclature

Editor to create and submit for review in next version of the working paper: approved by affirmation

13. Loss budget (tx emphasis value, cable assembly loss, rx equalization value)

14. Tx Peak amplitude minimum

15. Tx return loss

16. Rx return loss

17. Jitter measurement technique

18. Jitter Tollerance vs Jitter generation

19. Allowable signal + to signal - skew

20. Tx template spec values

21. Single consistent frequency range through out
Use 100Mhz - 2GHz as tentative range, by affirmation

22. Environmental spec reference

Dan Dove will recommend an 802.3 reference

23. Fcc class A statement

Dan Dove will recommend an 802.3 reference

Cable assembly team to recommend specification definitions and limits:

Chris Di'Minico. (Chair, cd@mohawk-cdt.com)

Henry Koeman

Greg Vaupotic

Marc Dupuis

Fred Villiard

Gary Oleynick

Jay Neer

Herb Van Deusen

Hiroshi Takatori

Etc.

Loss budget team to address loss budget of #13 +.

Steve Dreyer (Chair, steve.dreyer@intel.com)

Howard Baumer

Dimitry Taich

Peter Bradshaw

Takeshi Horie

Shawn Rogers

Petre Popescu

Joel Goergen

Allan Liu

Larry Rennie

John De Andrea

Adam Healey