Cl **114** *SC* **114.1.1** *P* **26** *L* **36** # 15

Remein, Duane — Huawei

Comment Type **TR** *Comment Status* **R**

Untestable requirement; "The bit error ratio (BER) shall be less than …" (also on line 40). Per text5 on pg 27 line 52 there is no requirement that this requirement can tested "TP1 and TP4 are informative reference points... (these test points will not typically be accessible in an implemented system)." All requirements should be testable, hence this should not be a requirement.

SuggestedRemedy

Change language to be informative, remove PICS CF3

Response *Response Status* **U**

REJECT.

Statement has precedent in 802.3by.

Cl **114** *SC* **114.11.2.1** *P* **38** *L* **37** # 24

Winkel, Ludwig — Siemens AG

Comment Type **ER** *Comment Status* **R**

Note shall not provide provisions and requirements. Note shall only provide statements of facts.

SuggestedRemedy

Reformat the note to a text.

Response *Response Status* **U**

REJECT.

Wording matches precedent set by related standards (see Clause 112.11.2.1 from P802.3by).

Cl **114** *SC* **114.6.1** *P* **31** *L* **5** # 63

Dawe, Piers — Mellanox

Comment Type **TR** *Comment Status* **R**

The 25GBASE-LR extinction ratio limit should be relaxed to allow low cost transmitters that operate over a wide temperature range. This can be done here because 25GBASE-LR has better receiver reflectance and TDP than 10GBASE-LR.

SuggestedRemedy

Change 3.5 dB to 3 dB

Response *Response Status* **U**

REJECT.

No consensus to change.

Cl **114** *SC* **114.6.1** *P* **31** *L* **5** # 64

Dawe, Piers — Mellanox

Comment Type **TR** *Comment Status* **R**

The 25GBASE-ER extinction ratio limit should be relaxed to allow low cost transmitters that operate over a wide temperature range. 10GBASE-ER has a 3 dB limit with the same receiver reflectance and worse TDP than 25GBASE-ER, so there is room to relax the extinction ratio. The max average and OMA and min IL specs continue to protect the APD.

SuggestedRemedy

Change 4 dB to 3.5 dB

Response *Response Status* **U**

REJECT.

Data presented was for 4dB extinction ratio. No consensus for change.

Cl **114** *SC* **114.6.1** *P* **30** *L* **42** # 68

Dawe, Piers — Mellanox

Comment Type **TR** *Comment Status* **R**

The minimum average power at ER receiver is not consistent with the minimum average power at ER transmitter and max loss. For LR, the limits could be improved for better network maintenance. Average power max-min spread is 9 dB, much more than the OMA spread and more than is useful. The proposed numbers reduce this to 8.2 dB, so still convenient for high extinction ratio transmitters.

SuggestedRemedy

Change the minimum average powers:
LR Tx min from -7 to -6.2
LR Rx min from -13.3 to -12.5
ER Tx from -3 to -2.2
ER Rx from -19.6 to -20.2
In Table 114-6, transmit characteristics, delete note a.
In Table 114-7, receive characteristics, change note b from:
Average receive power (min) is informative and not the principal indicator of signal strength. A received power below this value cannot be compliant; however, a value above this does not ensure compliance.
to:
Average receive power (min) is not the principal indicator of signal strength. A received power below this value cannot be compliant; however, a value above this does not ensure compliance.
Or delete note b.

Response *Response Status* **U**

REJECT.

How to relate OMA (min), Pavg (min), ER specs was resolved in a previous comment resolution (follow precedent of CL 88). No consensus to change.