

Cl 160 SC 160.6.1 P113 L28 # 14

Dawe, Piers Nvidia

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

It is very unwise to delete the limit on $K = 10\log_{10}(C_{eq})$, and also unwise to add the over/under-shoot and transmitter power excursion (max) limits (see the latest P802.3cu draft). These three limits protect the receiver from different stressful signals that the ideal reference receiver with infinite resolution and perfect linearity reports have acceptable TDECQ, but real receivers designed to realistic cost and power objectives struggle with.

SuggestedRemedy

Reinstate the limit on $K = 10\log_{10}(C_{eq})$.
Add over/under-shoot and transmitter power excursion (max) limits as in the latest P802.3cu draft.

Response Response Status **U**

REJECT.

For the first suggested remedy of "Reinstate the limit on $K = 10\log_{10}(C_{eq})$ ", cp follows the removal of " $K = 10\log_{10}(C_{eq})$ " in P802.3cu. The latest decision from P802.3cu supports removal of K. In the case it will be necessary to include full references:

- In P802.3cu resolution to comment #2 to D1.1 it was agreed to remove $K = 10\log_{10}(C_{eq})$ and replace with several other parameters like TECQ and TDECQ – TECQ.
- In P802.3cu resolution to comment #87 to D2.0, a proposal to reinstate $K = 10\log_{10}(C_{eq})$ was rejected.
- In P802.3cu resolution to comment #30 to D2.1, another proposal to reinstate $K = 10\log_{10}(C_{eq})$ was rejected, referring to comment #87 to D2.0.

For the second suggested remedy of "Add over/under-shoot and transmitter power excursion (max) limits as in the latest P802.3cu draft", the commenter has not provided any evidence that these requirements are necessary for 50 Gb/s PAM4 applications and that adding those would increase the quality of the draft.

Cl 160 SC 160.7.4 P118 L25 # 4

Dawe, Piers Nvidia

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

Too much duplication

SuggestedRemedy

Refer to other clauses, for several subclauses here

Response Response Status **U**

REJECT.

This is the same as D2.1 Comment #44.

This material is included in Clause 139. It follows the recent style of the subclause of definition of optical parameters and measurement methods.