

Proposal to update TDECQ CER limit

Addressing comments 114, 6 , 115, 7, 260, 112 and 113 against IEEE 802.3dj D2.2

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- The data in rodes_01a_2511 and chayeb_01a_2511 showed increase in TDECQ CER values compared to regular TECQ
- In addition, both presentations show significant variation in the reported TDECQ CER values, which indicates that the algorithm implementation needs further work
- Therefore, we propose to update the TDECQ CER maximum to be 4.4dB, until further data is provided to the Task Force to refine the limit

To encourage further work on TDECQ CER we propose to the following editorial note in the draft:

- Note: The algorithm implementation is a work in progress and is its current form needs to improve

Conclusion

- TDECQ_CER test methodology is still work in progress and the definition of the test is expected to evolve.
- This presentation proposes adding an excursion for TDECQ_CER limit to avoid failing transmitters that should perform well in the field.
- TDECQ_CER proposed limit may be refined as the test methodology evolves and more data is brought to the working group