802.3cp D1.0 50G-40km Update



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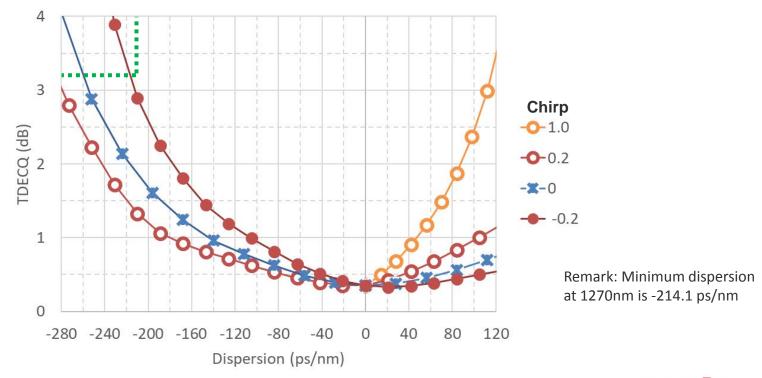


50G-40km Summary

- Our suggestion is to select the 1270 / 1310nm wavelength pair because
 - Large gap between the 2 wavelengths will reduce requirements on the optical filter
 - Large wavelength range will enable un-cooled operation and lowest cost
 - Common wavelengths and ecosystem as 400G will reduce cost
 - CWDM grid has traditionally been the lowest cost solution
- Remark: wavelength range to be +/-10nm
- Test data estimated to be available by early December 2019
- Simulation results are shared in the following slides.



Simulation: zero or moderate positive chirp demonstrating sufficient performance over the 50G-40km application and compliance to TDECQ <3.2dB specification (Tables 160–6/7)





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