EFM and 2.5 kft – 10 Mbps, symmetric 998-*symm* and 998 spectrum study

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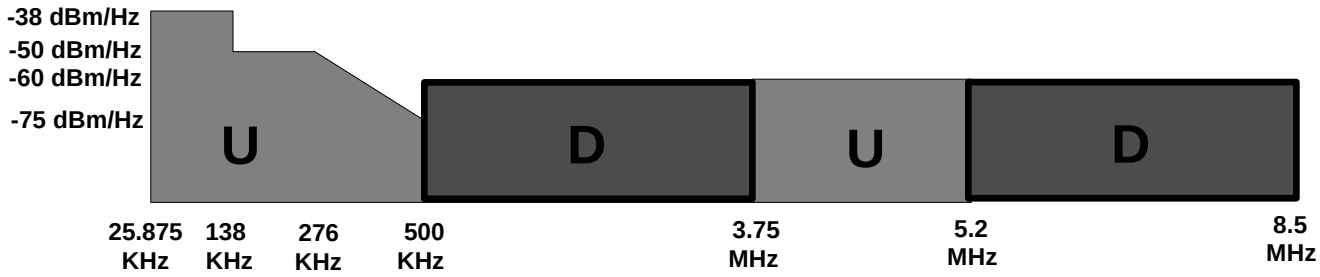
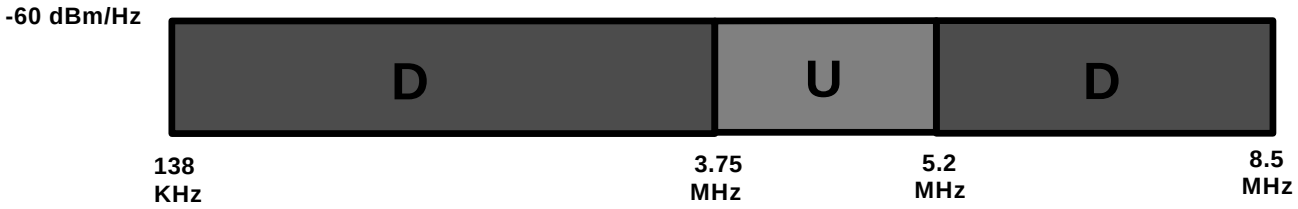
998-*Symm* and 998-PSDs

EFM, 2.5 kft 10 Mbps symmetric Operations

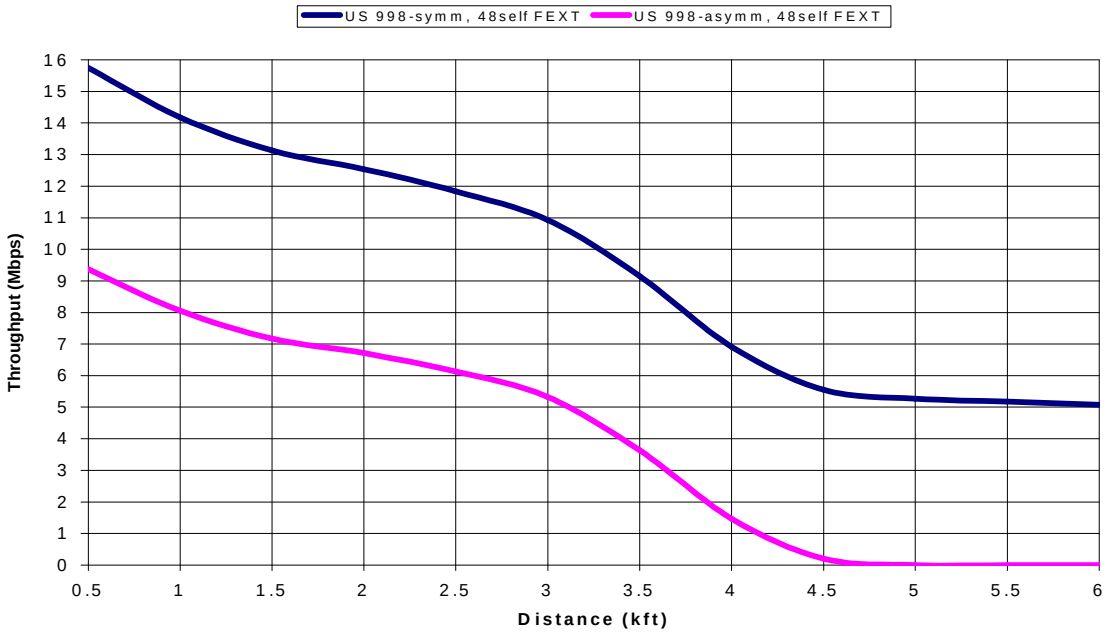




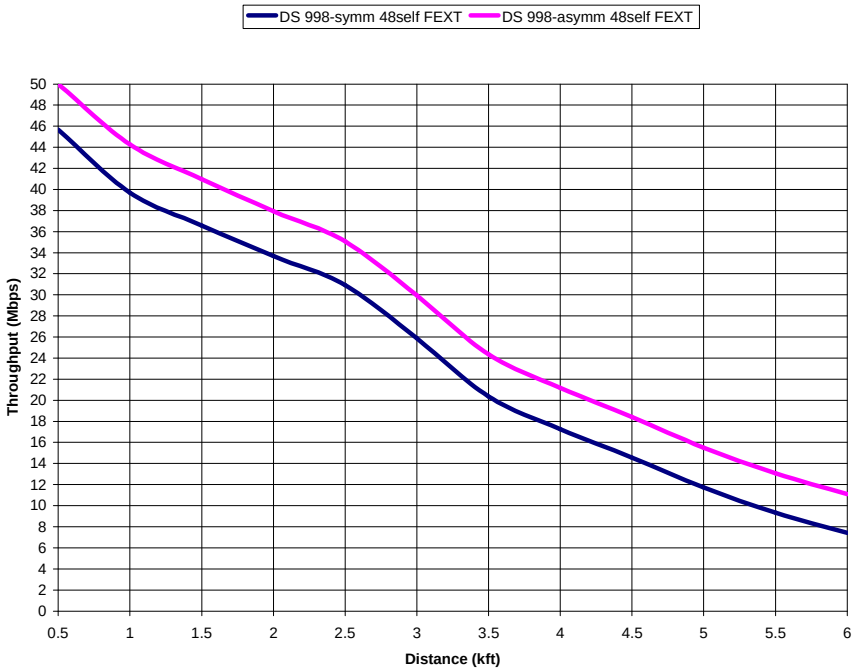
Simulation Assumptions

- -140 dBm/Hz line noise
- 5.5 dB coding gain (RS+TCM)
- Cross-talk assumption as shown in each chart
- 26-gauge cable
- 6 dB noise margin
- 8% overhead

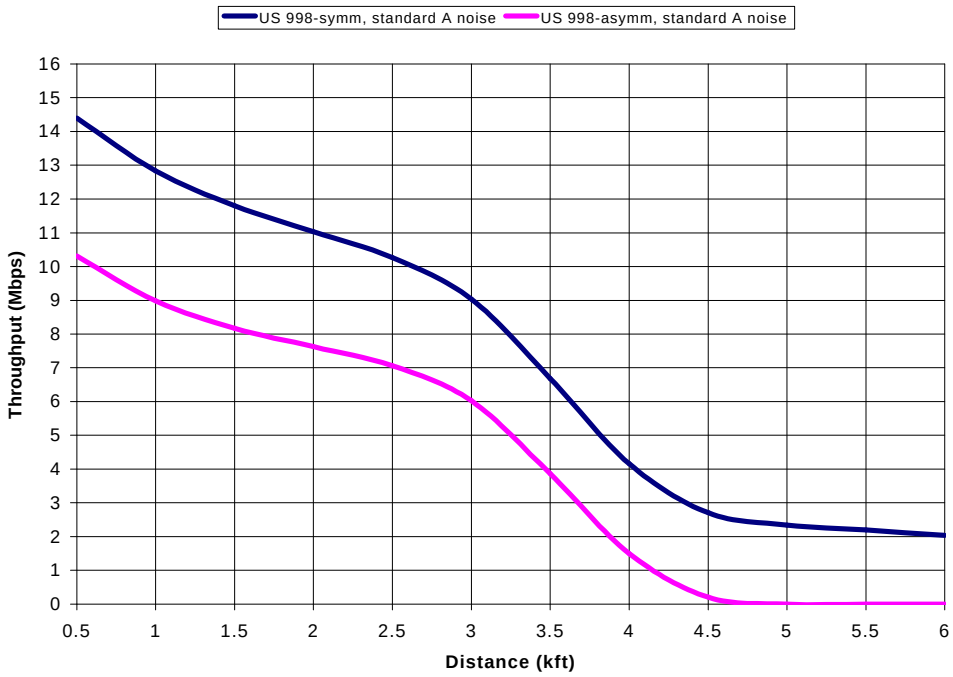
Upstream Data rate
998-*symm* and 998 with 48 self-FEXT



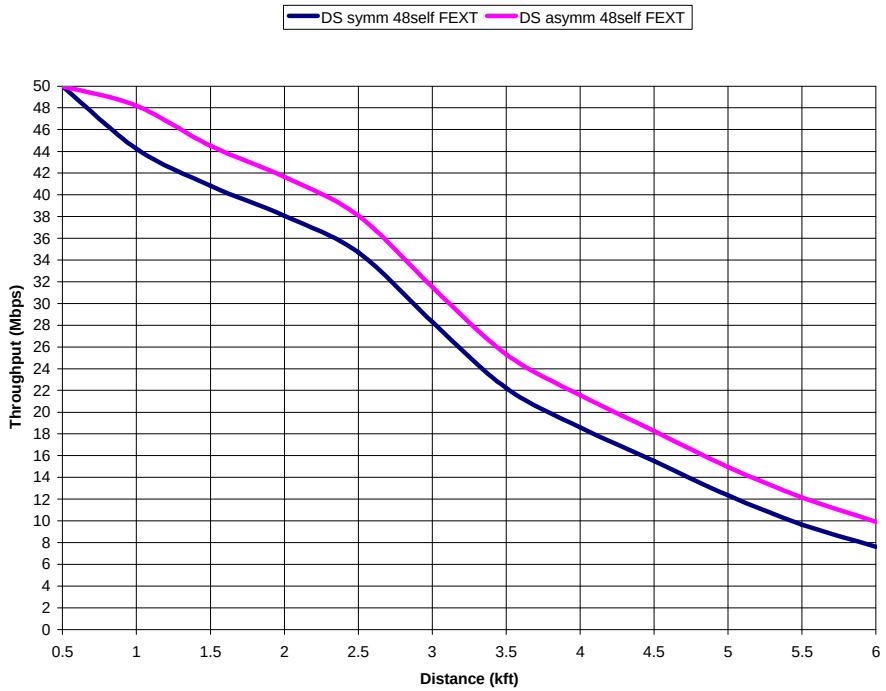
Downstream Data rate
998-*symm* and 998 with 48 self-FEXT



Upstream data rate
998-*symm* and 998 with Standard "A" noise



Downstream
998-*symm* and 998 with Standard "A" noise



Upstream Spectral Compatibility with ADSL