

EFM- Data rate analysis

Part II: low-bound channel capacity without bridge taps



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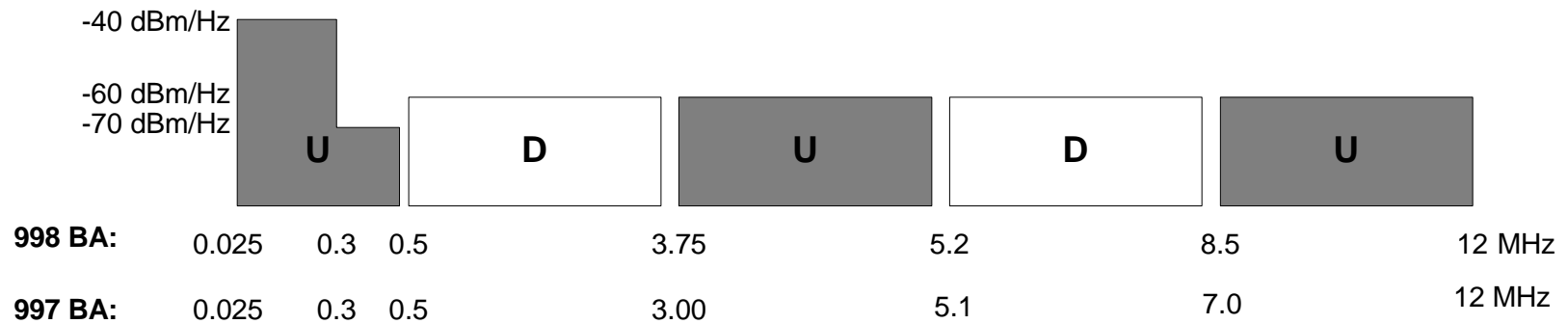
Marvell: Runsheng He, Nersi Nazari

Stanford University: John Cioffi

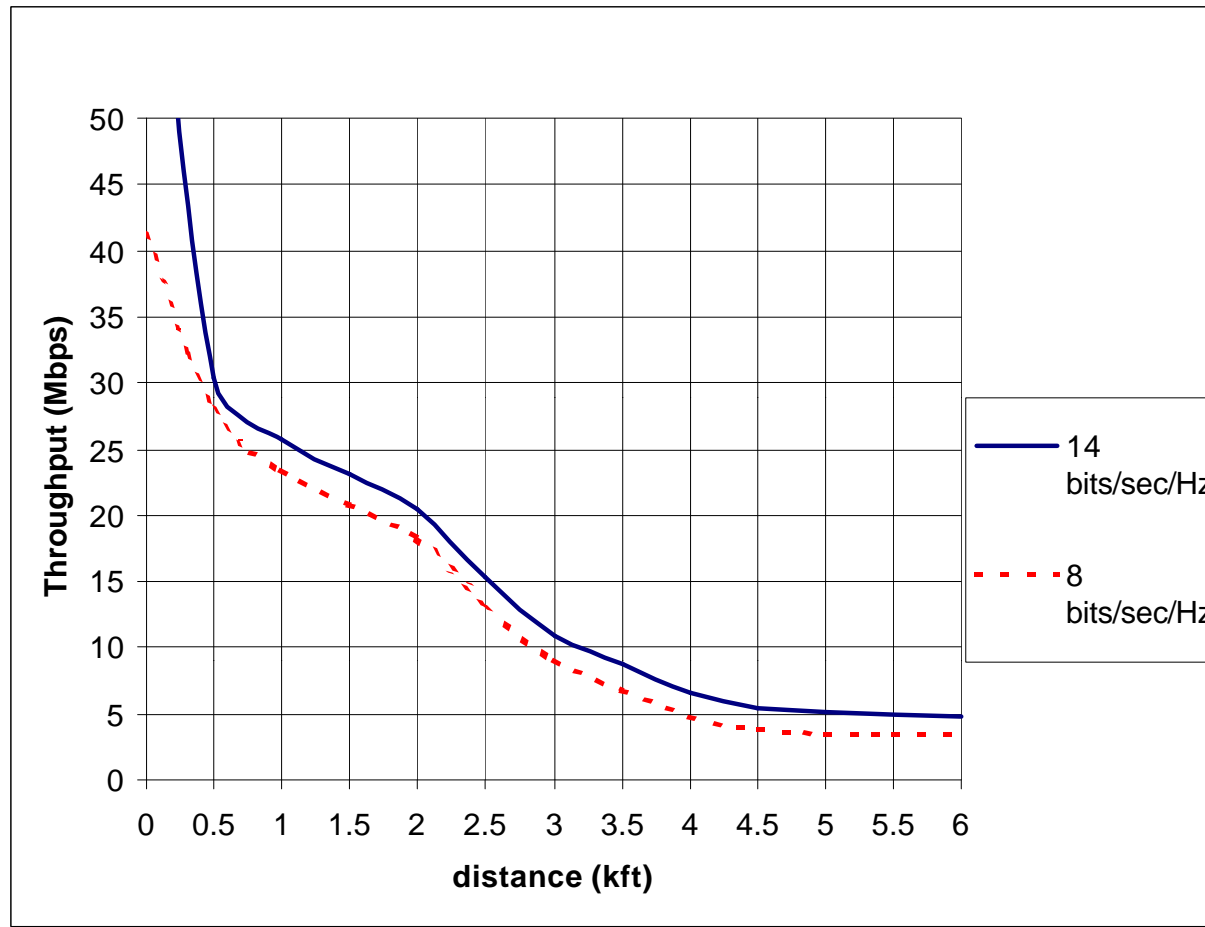
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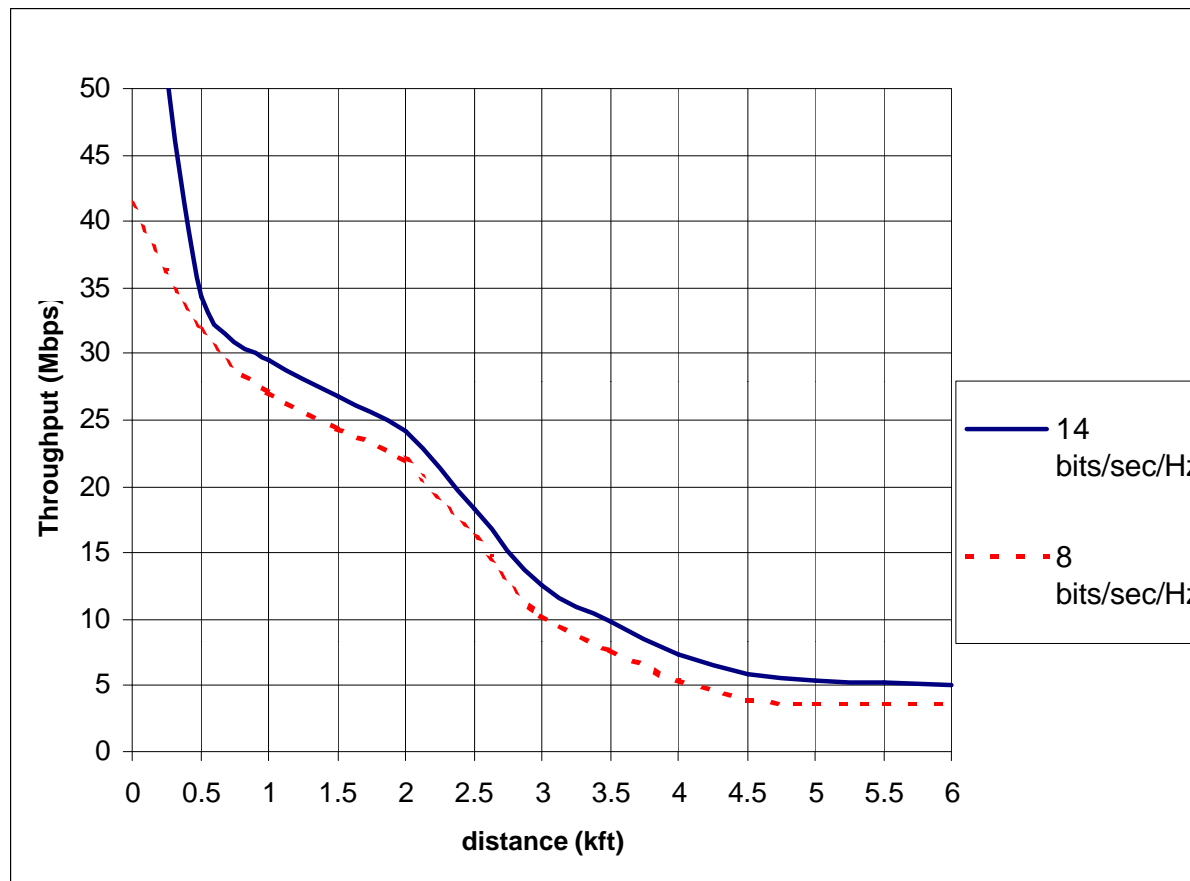
Potential Spectrally Friendly Programmable PSD



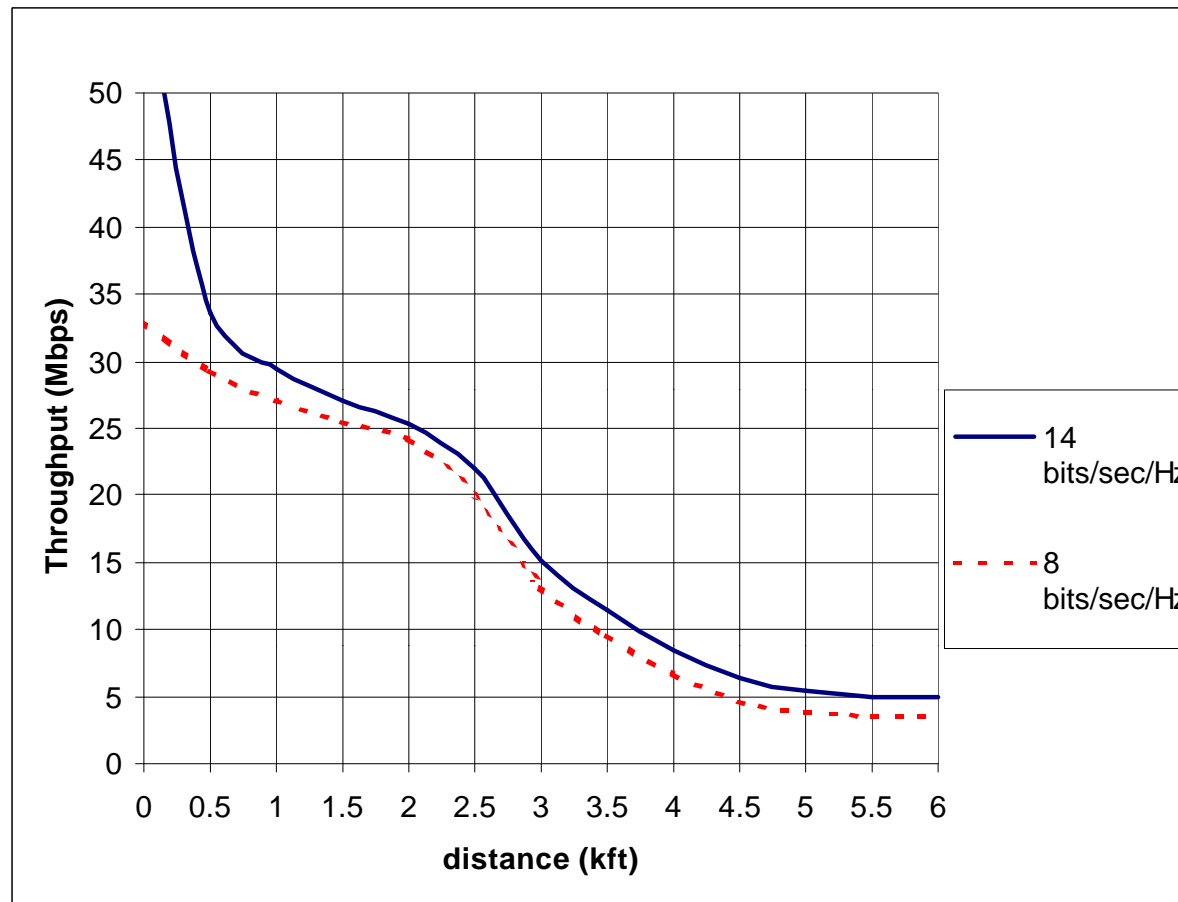
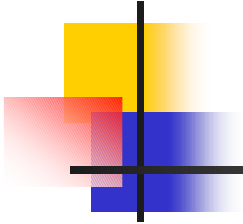
VDSL 998 Symmetric rate vs. 26-gauge distance with 14 and 8 bits/sec/Hz maximum, 20 self-FEXT, 3.0dB coding gain, and 6dB noise margin



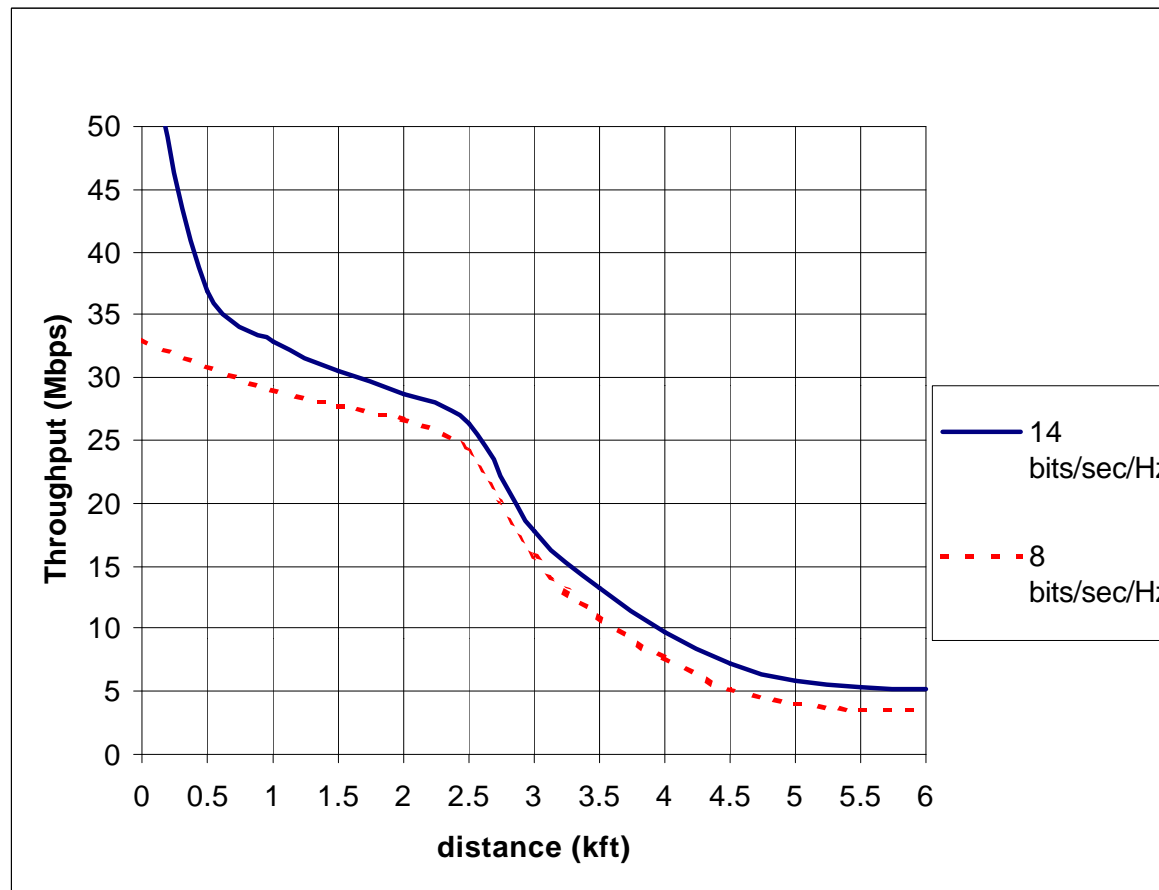
VDSL 998 Symmetric rate vs. 26-gauge distance with 14 and 8 bits/sec/Hz maximum, 20 self-FEXT, 5.5dB coding gain, and 6dB noise margin



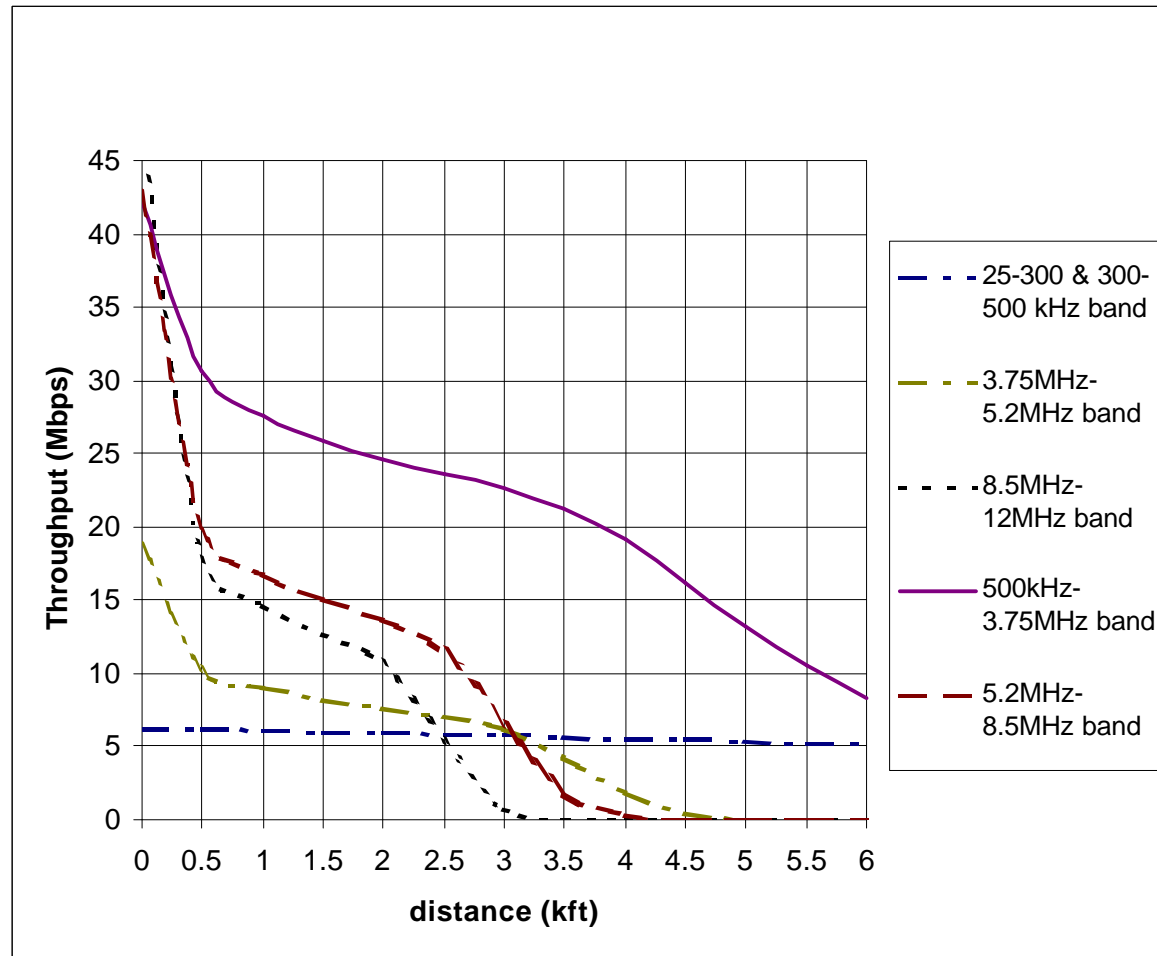
VDSL 997 Symmetric rate vs. 26-gauge distance with 14 and 8 bits/sec/Hz maximum, 20 self-FEXT, 3.0dB coding gain, and 6dB noise margin



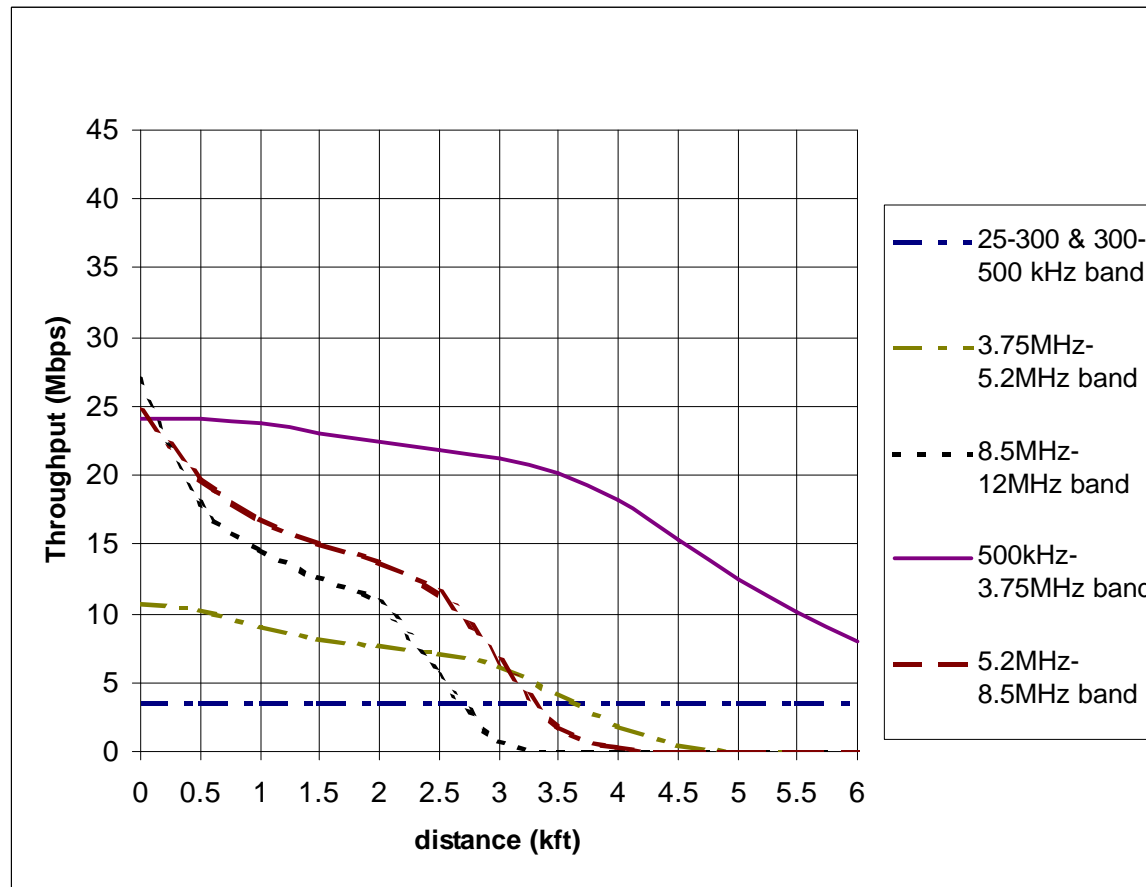
VDSL 997 Symmetric rate vs. 26-gauge distance with 14 and 8 bits/sec/Hz maximum, 20 self-FEXT, 5.5dB coding gain, and 6dB noise margin



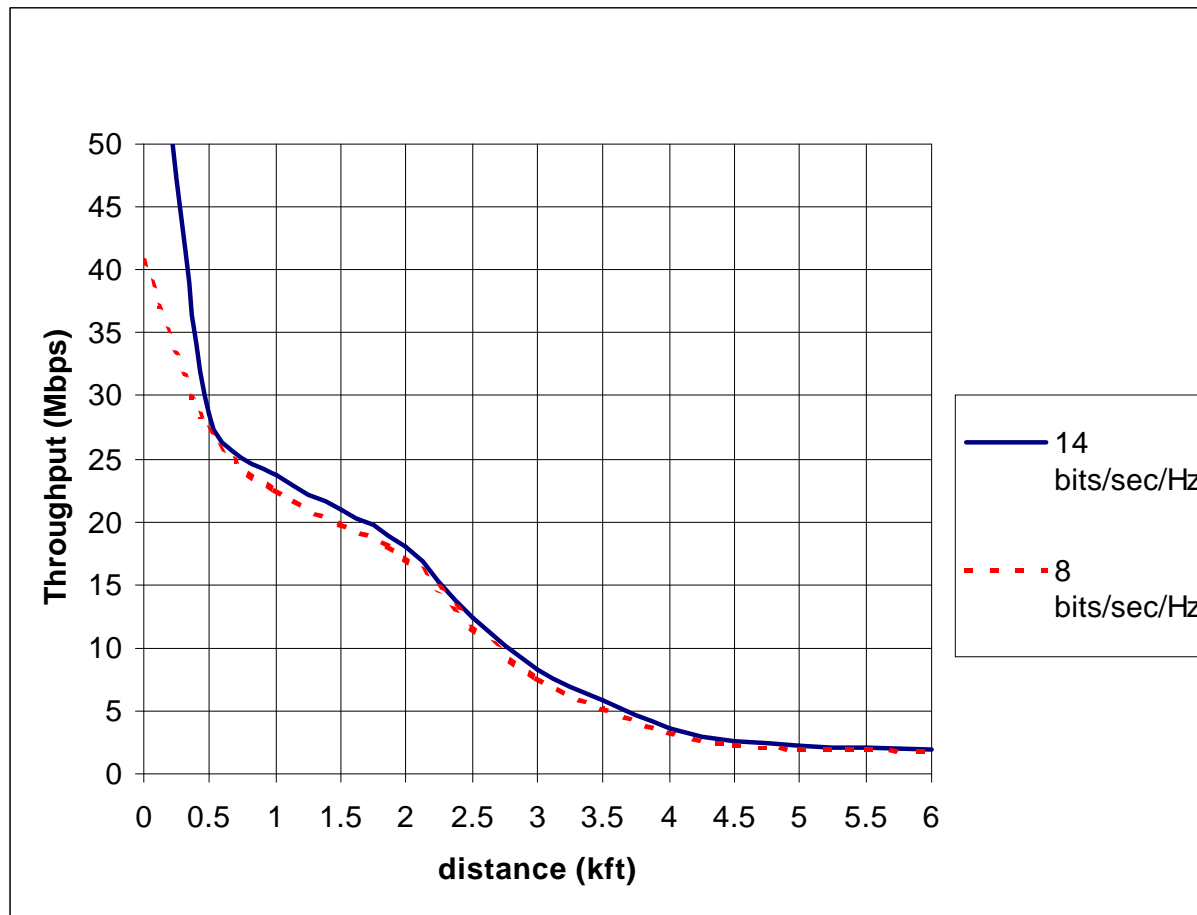
VDSL 998 Rate vs 26-gauge distance for the different bands with 14 bits/sec/Hz max, 20 self-FEXT, 5.5dB coding gain, and 6dB noise margin



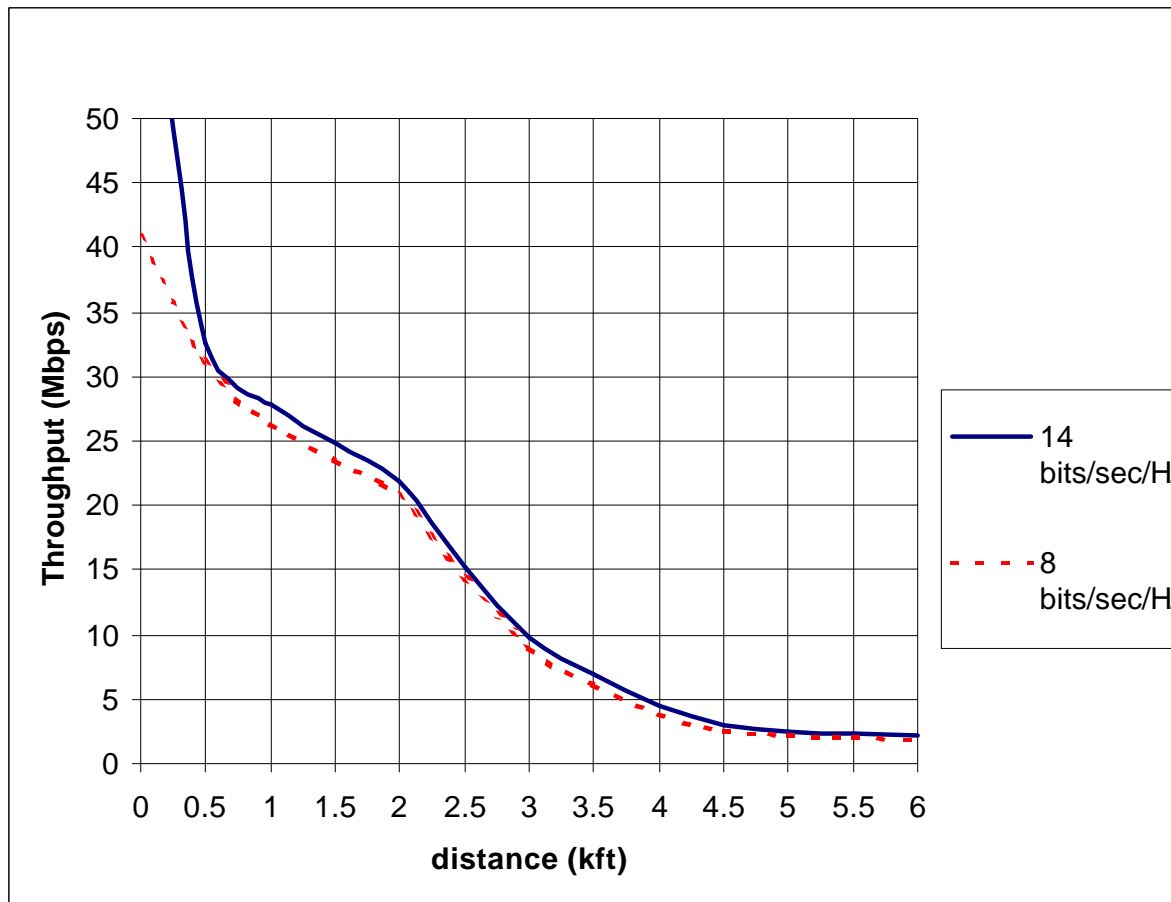
VDSL 998 Rate vs 26-gauge distance for the different bands with 8 bits/sec/Hz max, 20 self-FEXT, 5.5dB coding gain, and 6dB noise margin



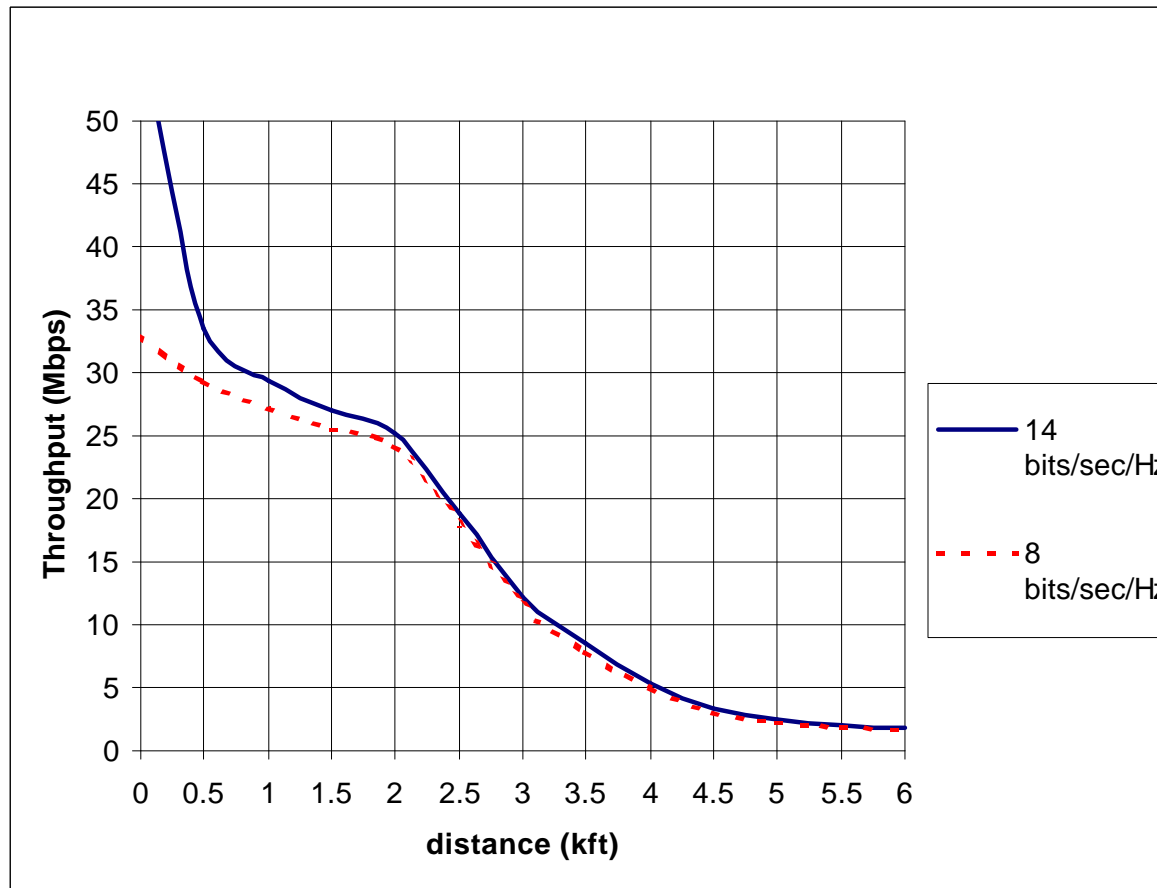
VDSL 998 Symmetric rate vs. 26-gauge distance with 14 and 8 bits/sec/Hz maximum, 20 self-FEXT plus 20 SHDSL FEXT/NEXT, 3.0dB coding gain, and 6dB noise margin



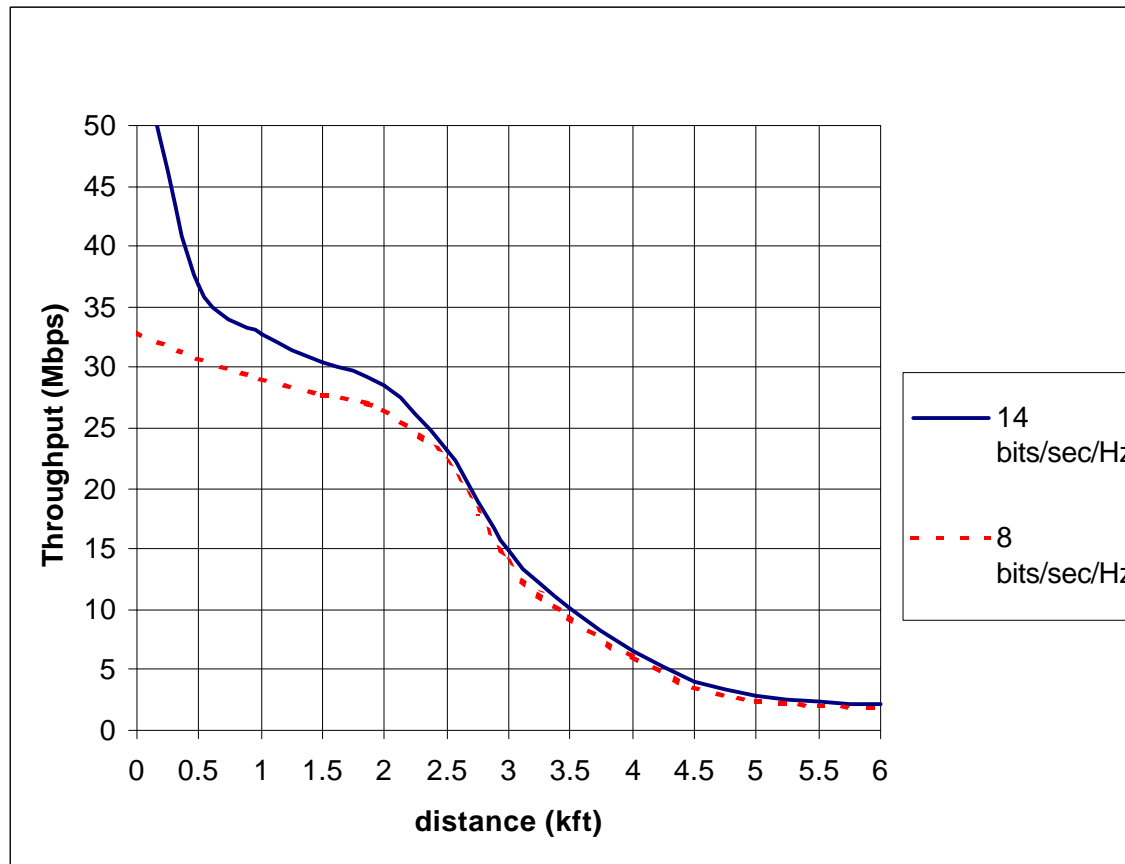
VDSL 998 Symmetric rate vs. 26-gauge distance with 14 and 8 bits/sec/Hz maximum, 20 self-FEXT plus 20 SHDSL FEXT/NEXT, 5.5dB coding gain, and 6dB noise margin



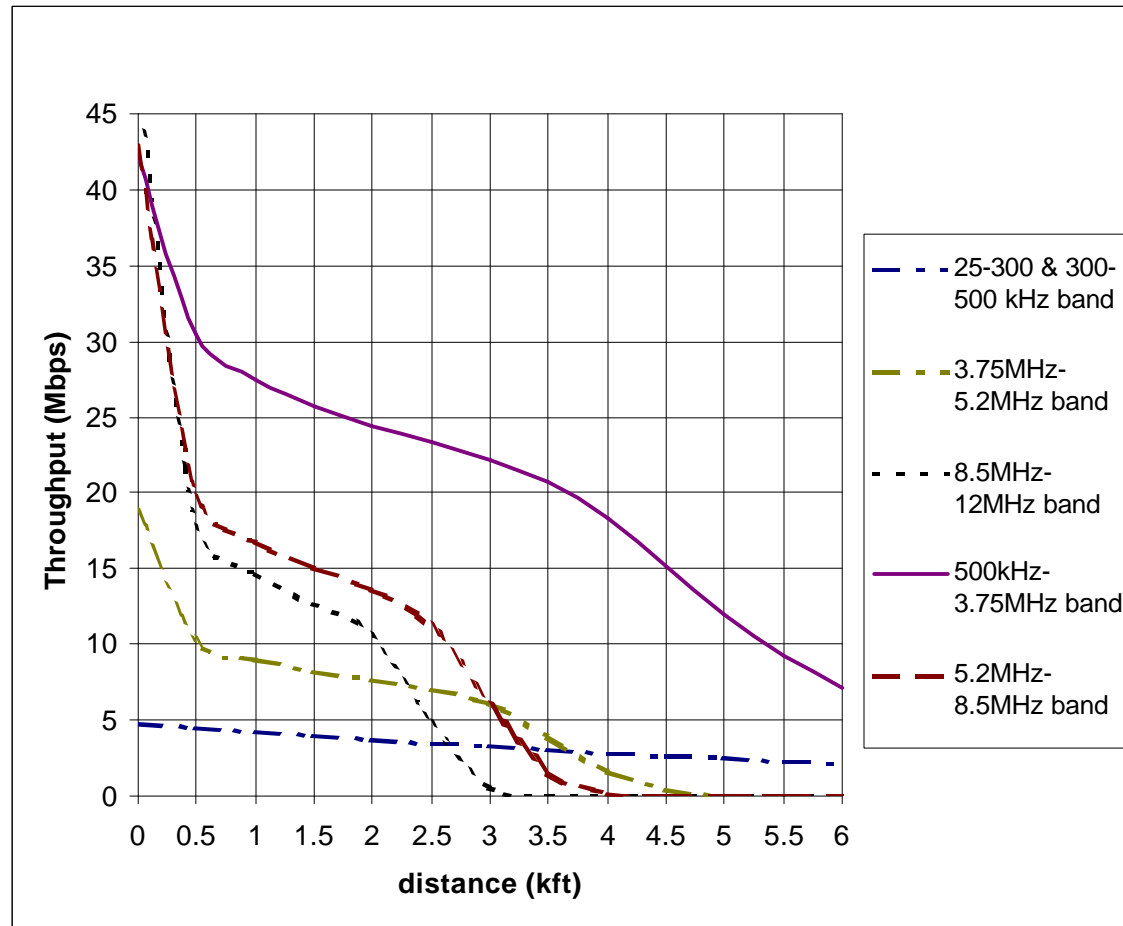
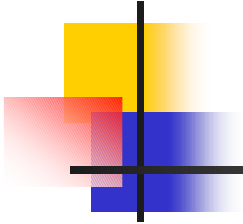
VDSL 997 Symmetric rate vs. 26-gauge distance with 14 and 8 bits/sec/Hz maximum, 20 self-FEXT plus 20 SHDSL FEXT/NEXT, 3.0dB coding gain, and 6dB noise margin



VDSL 997 Symmetric rate vs. 26-gauge distance with 14 and 8 bits/sec/Hz maximum, 20 self-FEXT plus 20 SHDSL FEXT/NEXT, 5.5dB coding gain, and 6dB noise margin



VDSL 998 Rate vs 26-gauge distance for the different bands with 14 bits/sec/Hz max, 20 self-FEXT plus 20 SHDSL FEXT/NEXT, 5.5dB coding gain, and 6dB noise margin



VDSL 998 Rate vs 26-gauge distance for the different bands with 8 bits/sec/Hz max, 20 self-FEXT plus 20 SHDSL FEXT/NEXT, 5.5dB coding gain, and 6dB noise margin

