EFM/DSL Rates/Range

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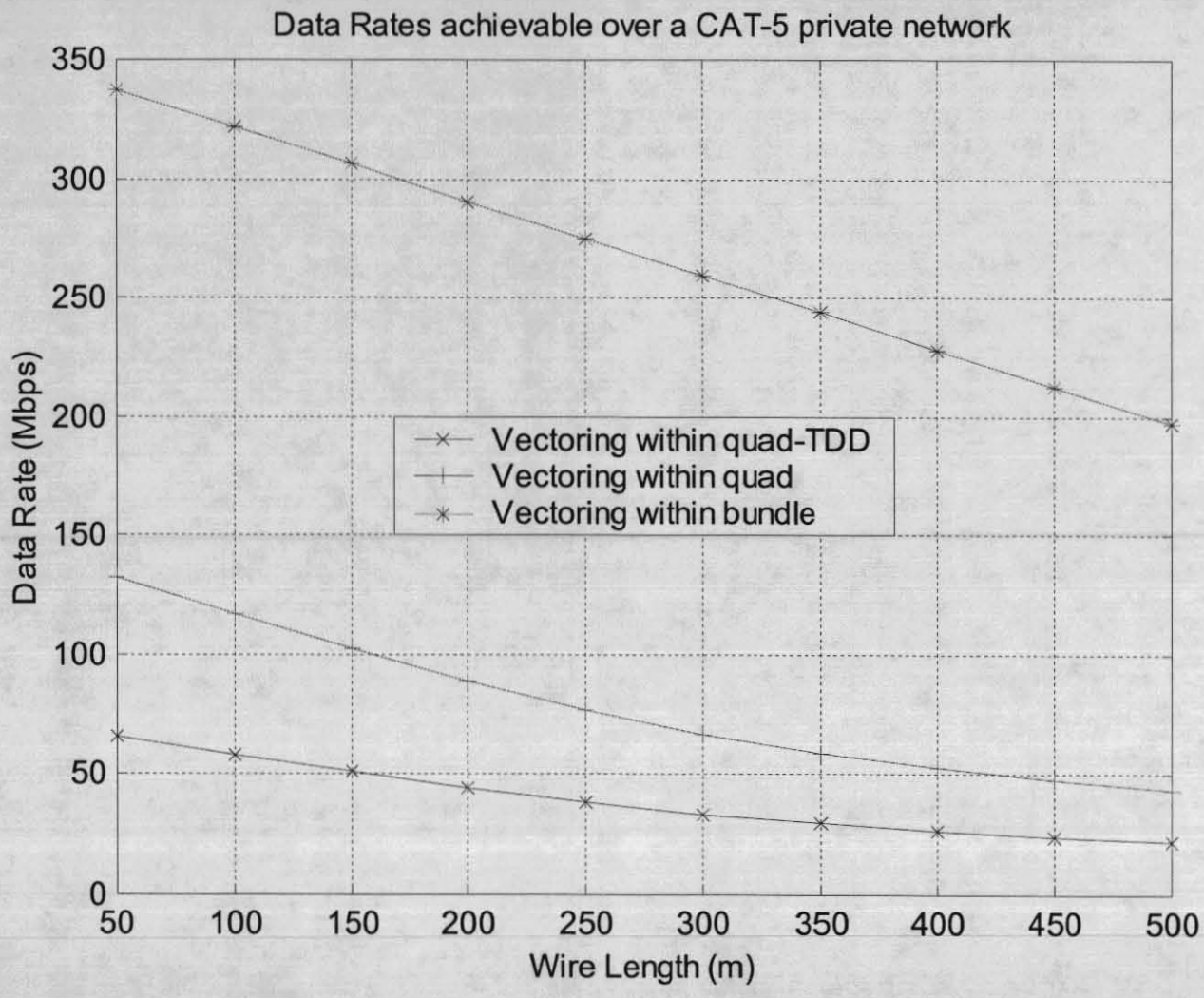
Vectored EFM

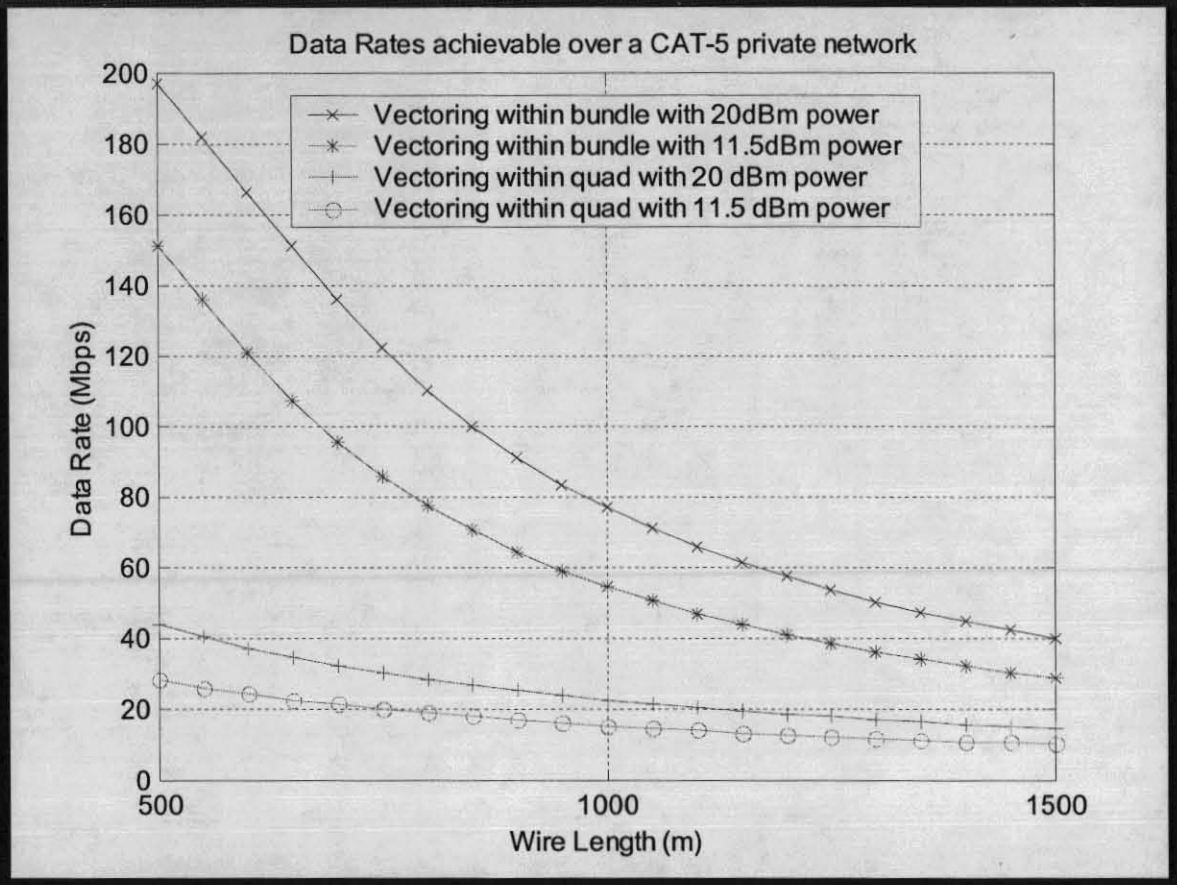
- 4 lines in quad are coordinated at one end, or possibly all 50 are coordinated in telco network
- Allows use of vectored transmitter and receiver
  - Higher rates
  - Lower power/cost as coordination allows simpler signal processing per line
- Following are simulated results based on vectored DMT VDSL model at Stanford

EFM Examples



- Per line data rates

EFM Range



- 2 lines, 100BT at 1 km
- 10BT at 1 km on one line is easy
- 4 lines, 100BT at 2 km