OFDM/OFDMA

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- Carrier frequency offset estimation
- Joint channel and frequency offset estimation
- Multiple-access applications (OFDMA)
  - Collision resolution in packet access
- IEEE 802.11 and 802.16

CFO estimation

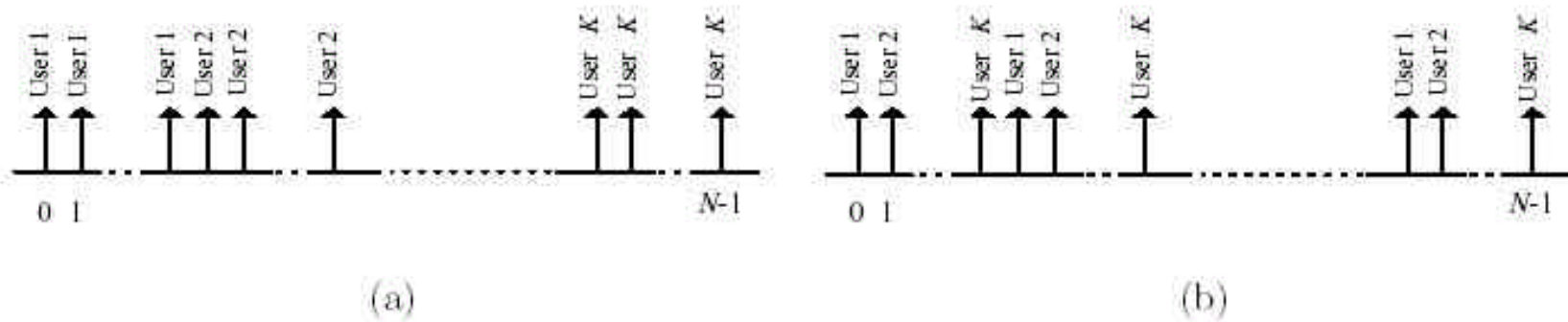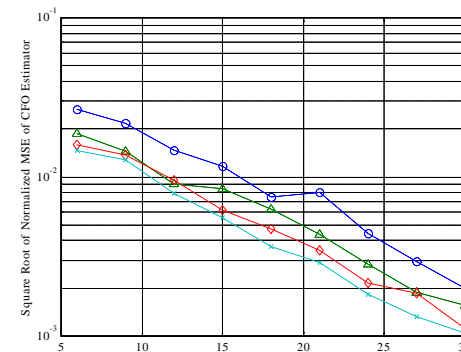(14 users; # of receive antennas = 1, 2, 3, 4)

Fig. 1. (a) Sub-band based subcarrier assignment. (b) Interleaved subcarrier assignment.