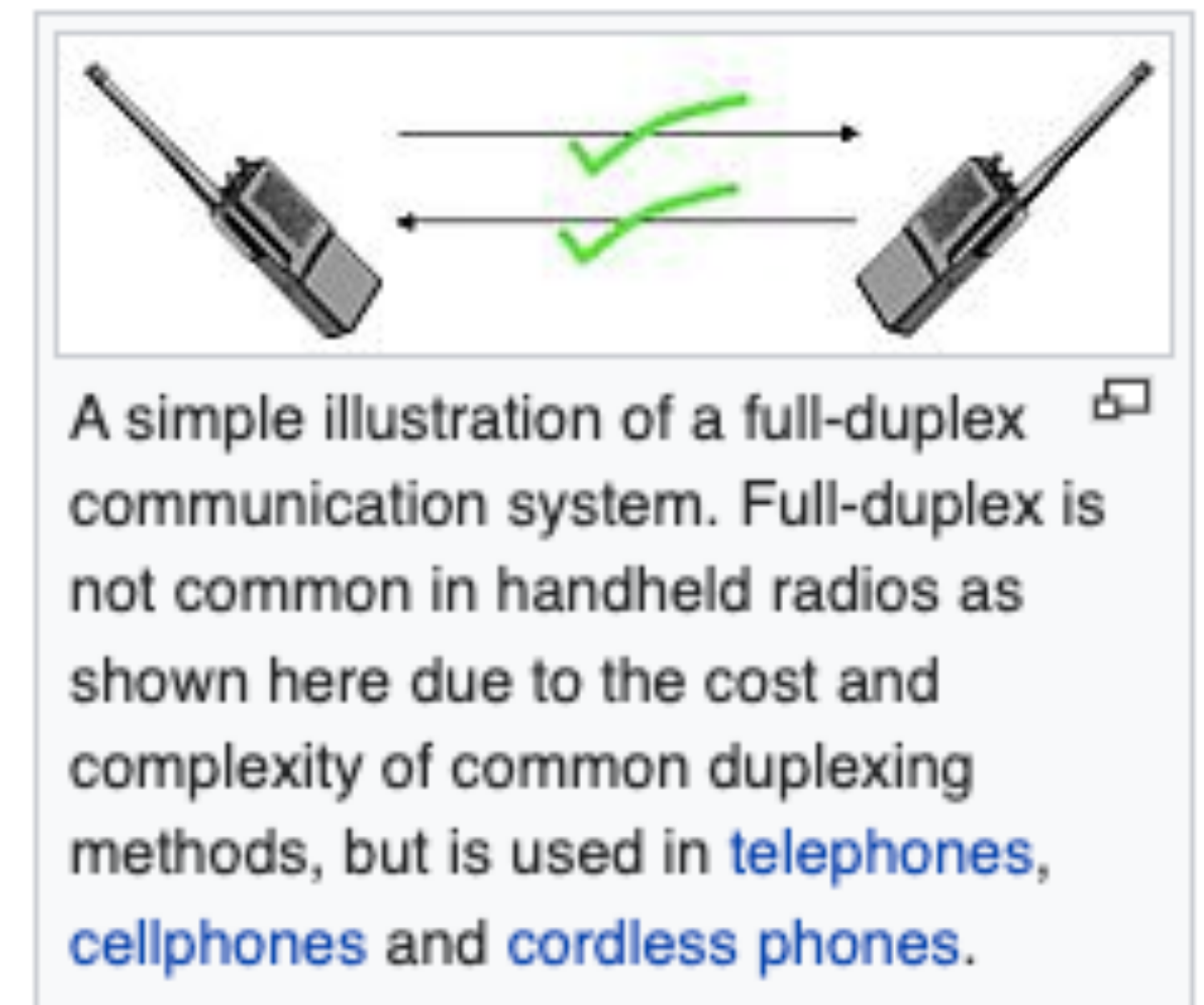
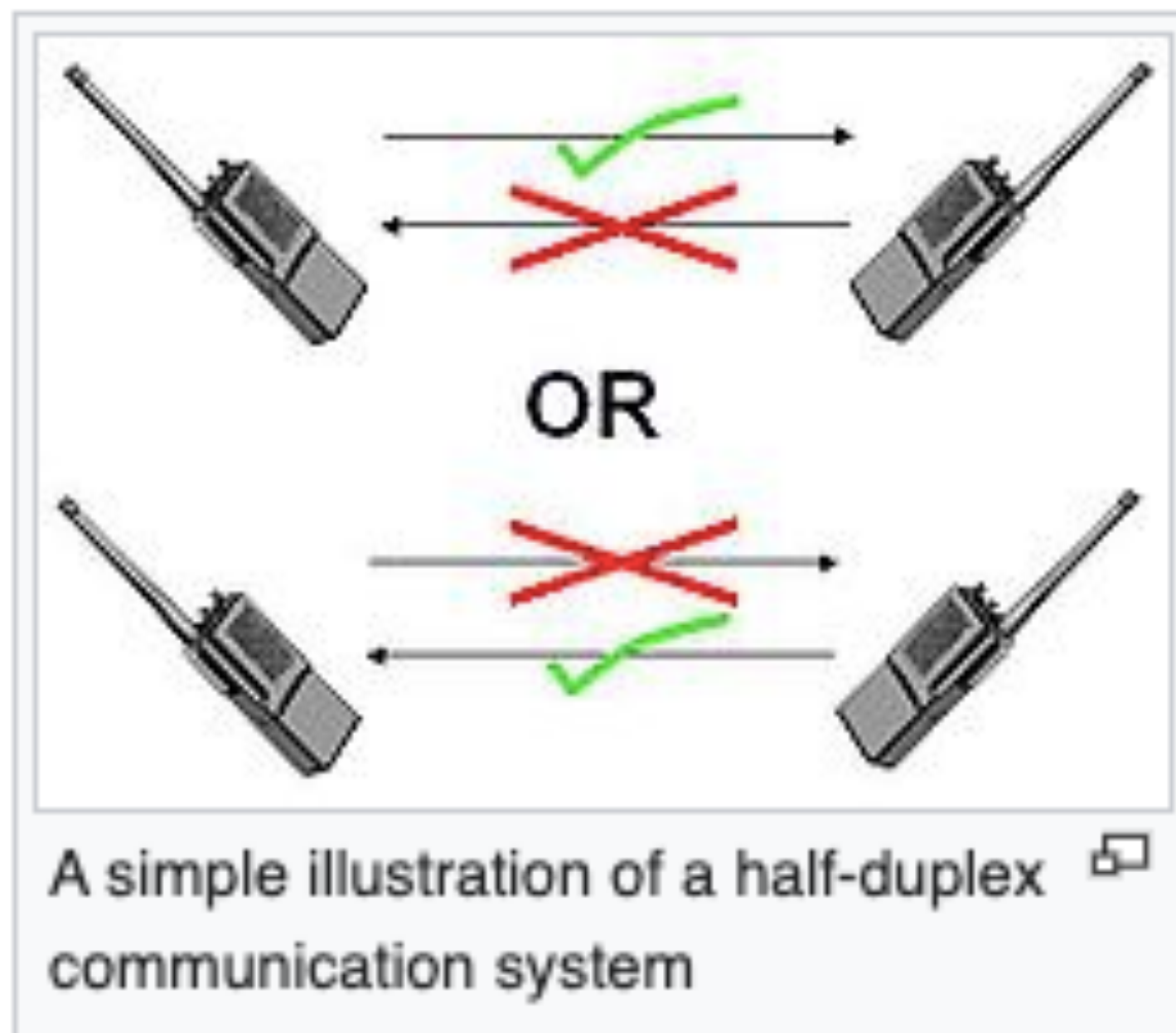


Frequency Division Duplexing

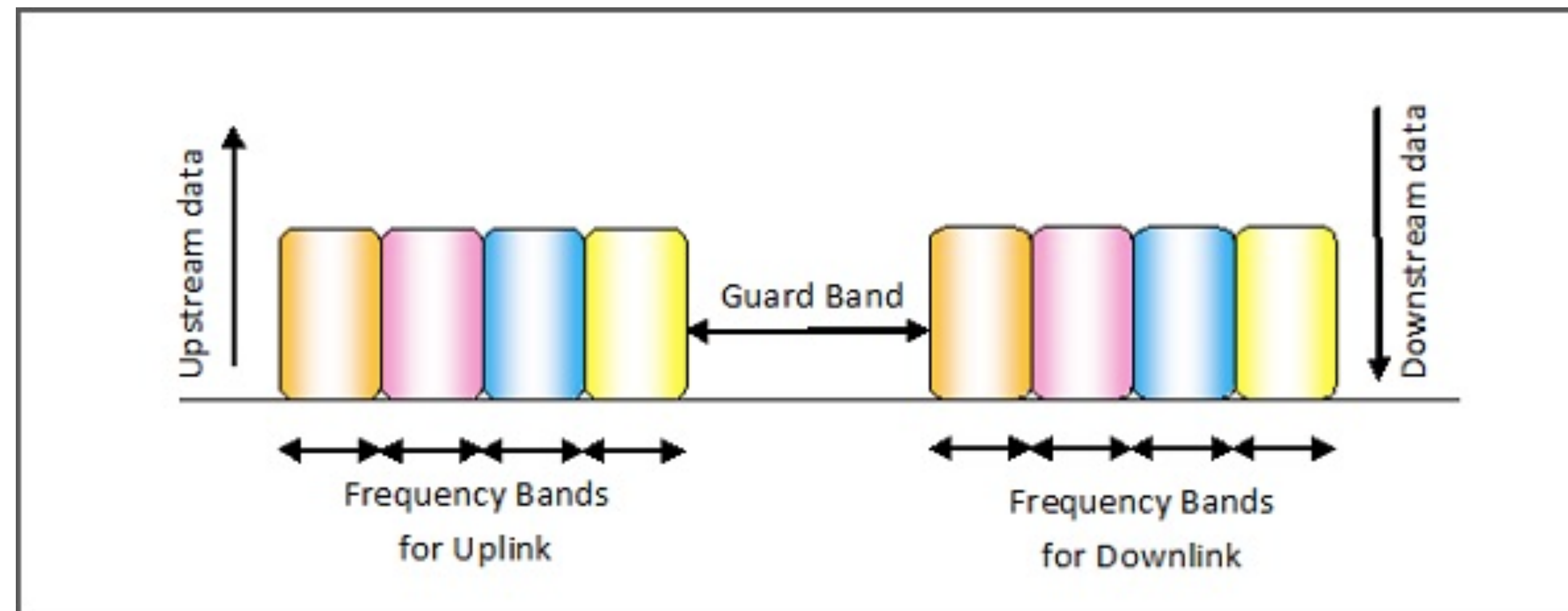
Duplexing

- Point to Point System.
- Communicate in both directions.
- 2 types of duplex communication system
 - Full Duplex
 - Half Duplex



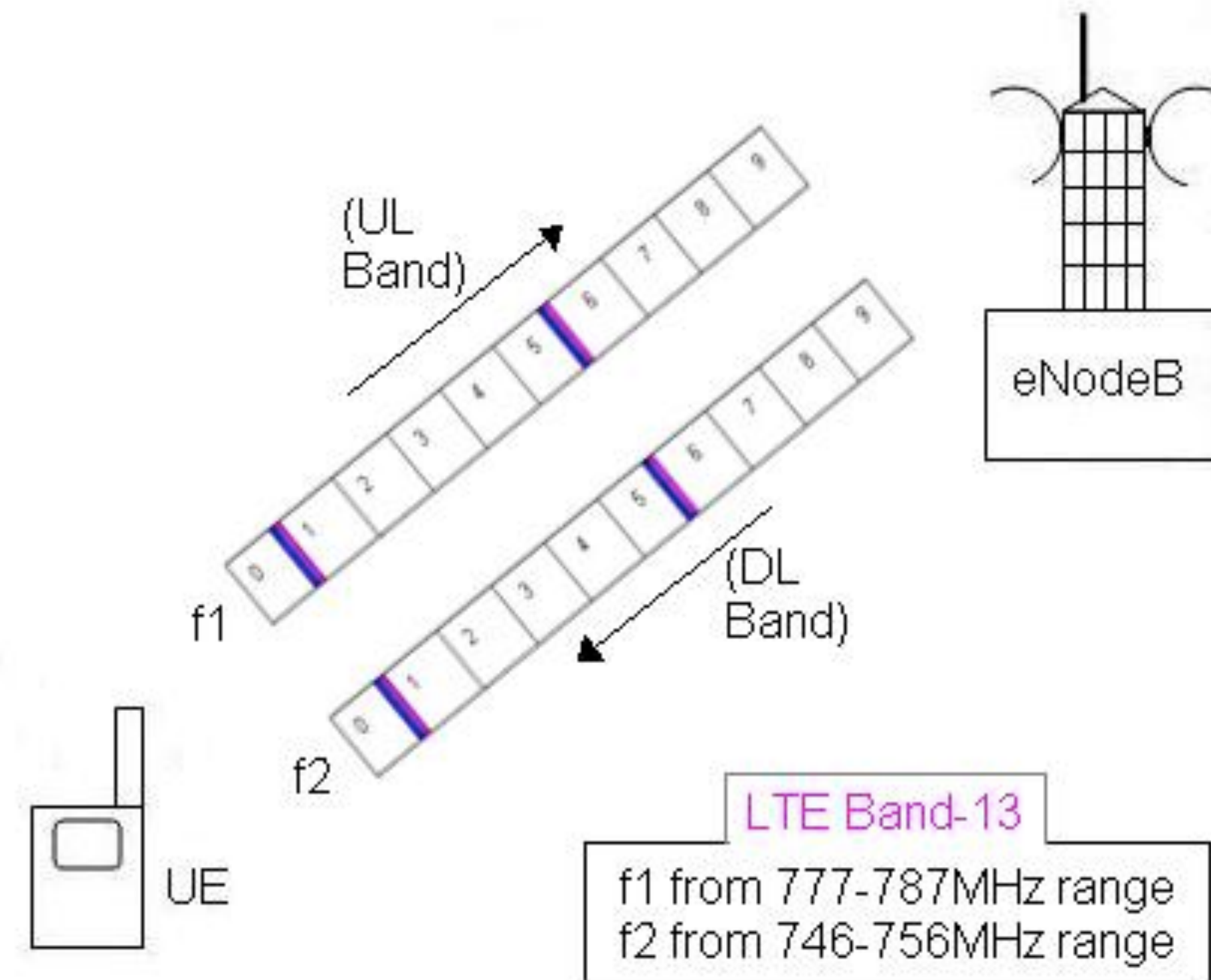
Frequency Division Duplexing

- Communication technique where transmission and receiving of signals are on different frequency.
- Since different frequencies are used for uplink (sending) and downlink (receiving), signals do not interfere with each other.



FDD in Cellular Network

- Cellular networks use FDD to separate channels.
- One spectrum for uplink.
- One spectrum for downlink.
- Each block of electromagnetic spectrum is divided into number of channels.



References

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