

Wireless transmission media:- In this transmission media the data is transmitted without wires.

→ There are 3 types of Unguided media.

- (i) Radiowaves
- (ii) Microwaves
- (iii) Infrared waves

Radiowaves:- These waves are easy to produce and can penetrate through buildings.

→ There is no need of aligning transmitting and receiving antennas.

→ The frequency range is from 3KHz - 1GHz.

→ It's used in fm radio.

Microwaves:- In this transmission media the transmitting and receiving antennas need to align correctly.

→ The frequency range is from 1GHz - 300GHz.

→ It's used in mobile phone communication.

Infrared waves:- These waves can't penetrate through objects.

→ The frequency range is from $300\text{GHz} - 400\text{THz}$.

→ It's used in remotes, keyboards, wireless mouse, etc....

