



- **Wi-Fi** stands for **wireless fidelity**.
- They transmit at frequencies of 2.4 GHz or 5 GHz.
- They use 802.11b & 802.11g networking standards.
- Distances cover 100 feet (91.5 meters).
- It provides a data rate of 11Mbps on 802.11b or 54Mbps 802.11g.
- New wifi technologies will extend range from 300 feet (91.5 meters) to 600 feet (183 meters).



- **Wimax** stands for **Worldwide Interoperability for Microwave Access**.
- They use 802.16 (Air Interface for fixed Broadband Wireless Access Systems).
- it has a service range of 50 kilometers.
- It provides a data rate of up to 70Mbps.
- Frequency bands - 2 to 11 GHz and 10 to 66 GHz (licensed and unlicensed bands).
- A **WiMAX tower**, similar in concept to a cell-phone tower.
- A single WiMAX tower can provide coverage about 3,000 square miles (8,000 square km).