Wireless networks

Types of wireless networks video

secular provider network = calling

Bluetooth = shorter range much different

Wi-fi = most used

Near field communication = using phone to pay

Also able to receive signal from satelite for GPS

Cell phone interactions with different networks video

Talk - landlines, cell phones, business

Data - data plan (using internet without wi-fi)

Wi-fi - hot spots, home wireless

Location services - GPS, maps, places near me,

Pay services - cash registers, payment pads

Other wireless networks

**In addition to the GSM and 4G/5G transmitters and receivers, smartphones make connections in a variety of ways**

GPS

- **It uses satellites to transmit signals that cover the globe**

- **Smartphones can receive these signals and calculate the phones location** to an accuracy of 10 meters

Wi-Fi

- **WiFi transmitters and receivers located within the smartphone enable the phone to connect to local networks and the internet**

- in order to receive and send data it needs to be in the range of signal

Bluetooth

- **it’s a low-power, shorter range wireless technology that is intended to replace wired connectivity for accessories** such as speakers, headphones, microphones smartwatch or smartphones

- it can be used to transfer data and voice, can create small local networks

NFC

- near field communication

- **wireless communication technology that enables data to be exchanged by devices that are in very close proximity to each other (few centimeters)**