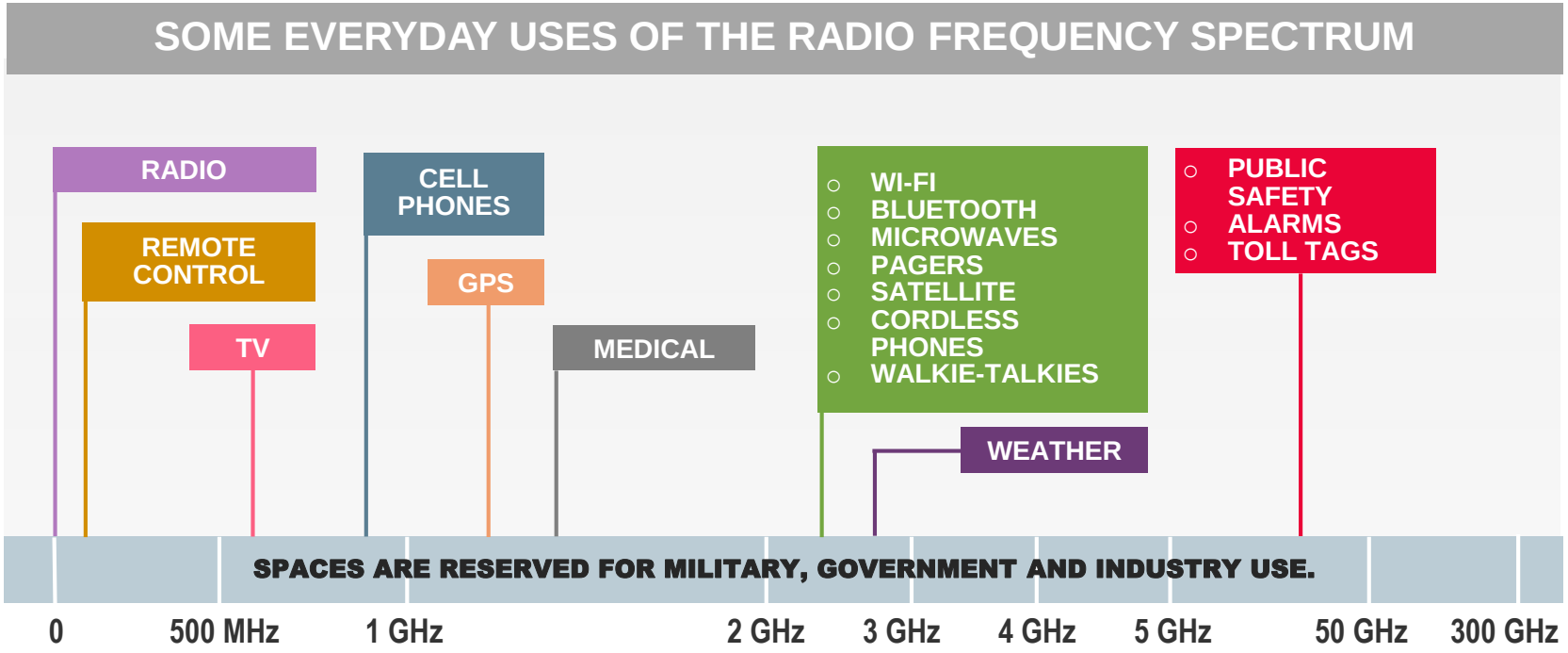
Antennas are designed for Frequencies



Wireless Protocols	Frequency
Wireless Charging	6.78 MHz
NFC/RFID	13.56 MHz
Zigbee/Sigfox/Zwave/Neul/Lora	915 MHz (868 MHz Eu)
BT/BLE/WiFi/Zigbee/Thread/6Lo WPAN/Wireless Hart	2.45 GHz
WiFi	5.8 GHz

ISM Bands

Sources: New America Foundation, FCC

Frequency

- Data rate (channel capacity) is a function of protocol, ***frequency*** and power. The higher the frequency, the greater the amount of data that can be transferred
- Additionally, the different types of communications use different frequencies to avoid colliding with each other

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