

5 GHz Wi-Fi Technology

- 802.11a
 - Data Rate (Mbps): 6,9,12,18,24,36,48,54 [1]
 - Frequency: 5150 to 5825 MHz [1]
 - Channel Width: 20 MHz [1]
 - Maximum Power (mW): 50, 250, 1000 [1]
 - Band: UNII [1]
 - Bandwidth Allocation: 300 MHz [1]
 - Spatial Streams: 1 [1]
 - Modulation Technology: OFDM, DSSS [1]
 - Modulation: BPSK, QPSK, 16-64 QAM [1]
 - Total Channels: 23 [2]
 - Non-overlapping Channels: 23 [2]
 - ❖ Ch 36 (5180 MHz)
 - ❖ Ch 40 (5200 MHz)
 - ❖ Ch 44 (5220 MHz)
 - ❖ Ch 48 (5240 MHz)
 - ❖ Ch 52 (5260 MHz)
 - ❖ Ch 56 (5280 MHz)
 - ❖ Ch 60 (5300 MHz)
 - ❖ Ch 64 (5320 MHz)
 - ❖ Ch 100 (5500 MHz)
 - ❖ Ch 104 (5520 MHz)
 - ❖ Ch 108 (5540 MHz)
 - ❖ Ch 112 (5560 MHz)
 - ❖ Ch 116 (5580 MHz)
 - ❖ Ch 120 (5600 MHz)
 - ❖ Ch 124 (5620 MHz)
 - ❖ Ch 128 (5640 MHz)
 - ❖ Ch 132 (5660 MHz)
 - ❖ Ch 136 (5680 MHz)
 - ❖ Ch 140 (5700 MHz)
 - ❖ Ch 149 (5745 MHz)
 - ❖ Ch 153 (5765 MHz)
 - ❖ Ch 157 (5785 MHz)
 - ❖ Ch 161 (5805 MHz)

References

- [1] "Topic 10: License-Exempt Wireless Applications for Public Safety." Federal Communications Commission. Web. 27 May 2015. <https://transition.fcc.gov/pshs/techttopics/techttopics10.html>
- [2] "WLAN Radio Frequency Design Considerations." Cisco Systems, Inc., 9 Dec. 2008. Web. 2 June 2015. http://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/Mobility/emob41dg/emob41dg-wrapper/ch3_WLAN.pdf