

Best WiFi Channels to Use

2.4 GHz Channels

In the United States, only channels 1-13* can be used for 2.4 GHz WiFi but only 3 channels are considered non-overlapping.

**12 & 13 can only be used on low powered modes and thus ignored for most applications*



WiFi signal at 20 MHz has a very distinct shape. This shape leads to overlap on other WiFi channels that can be used for setting up Access Points. The channel is the WiFi frequency spectrum that it uses to communicate.

5 GHz Channels

5 GHz WiFi has 25 channels that can be used. Unlike 2.4 GHz channels, all 25 of these channels are non-overlapping at 20 MHz width.

DFS is a spectrum-sharing mechanism that allows wireless LANs (WLANs) to coexist with radar systems. It automatically selects a frequency that does not interfere with certain radar systems while operating in the 5 GHz band.

Newer WiFi technologies allow for wider channels and thus more bandwidth, but with the caveat of less non-overlapping channels available.

