

Fine-tuning your wireless radio settings

Your Meraki access points include a dedicated scanning radio, which offers advanced, real-time RF analysis without impacting client traffic or access point throughput. This scanning feature indicates which nearby wireless frequencies are currently in use, helping to avoid congestion and RF interference. More on this later in the AP Neighbors section!

This scanning radio is a tri-band (2.4, 5, and 6 GHz) radio that continually monitors your RF environment across all three bands. Your dashboard uses this information to automatically optimize your client-serving radios.

The **Wireless > Radio Settings** page in the dashboard provides a comprehensive interface for viewing the current radio settings deployed across your access points and optimizing the individual wireless radios per RF band.

Here you can manually configure or set automatic optimization of:

- Channel width
- Transmit power
- Minimum bitrate
- Band selection

The Overview tab on the Radio settings page offers the ability to manually set the radio channel and transmit power. By manipulating these settings, you can manage your RF environment, reduce interference, and enhance the performance of your wireless network.

If you don't want to customize an individual radio on one access point at a time, you can act as a superuser and deploy an RF profile for a group of similar access points. We'll cover this powerful feature next.

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