

Product Testing & Simulation For Wi-Fi 6E

RF & Microwave components and Custom Test Solutions that enable your Wi-Fi 6E product roll-out

The expanded frequency spectrum associated with Wi-Fi 6E means that many current Wi-Fi enabled products are not optimized to take full advantage of the additional bandwidth and multi-user, multi-device gains. Spectrum Control's Wi-Fi 6E optimized test solutions support product validation, optimization and production testing, enabling faster, better and on-budget roll-out of all your Wi-Fi 6E products and services.

Testing, Simulation, Roll-out and Support

Wi-Fi 6E is fast, but it's not just about raw speed. This new standard promises seamless connectivity for an almost infinite number of connected devices – a huge opportunity for your product line. Spectrum Control's Multi-Channel Programmable Attenuator Units, Switch Matrices, and Butler Matrices support the required expanded frequency range of Wi-Fi 6E hardware (including semiconductor chip sets, wireless routers, laptop computers, mobile phones, and other devices). Spectrum Control offers custom-designed solutions for any unique offering, has a legacy of RF & Microwave expertise, and delivers industry-leading customer support.

Faster, multi-device connectivity will fuel the next big growth phase for companies whose products are ready to market.

Spectrum Control's Multi-Channel Programmable Attenuator Units, Switch Matrices, and our custom Signal Routing & Conditioning solutions are already used by major smartphone makers, airlines, service providers and others to test wireless links, wireless access points, mobile radios, and other connected devices and applications.



Standard and custom solutions to support MU-MIMO, Wi-Fi 6E,



The new Wi-Fi-6E standards are spurring a revolution in connectivity for everything, everyone, everywhere, and with it are driving the industry's greatest-ever growth opportunity. You must be able to effectively test your device, product, service or platform, and ensure its ability to succeed by simulating real-world conditions before roll-out. Spectrum Control's solutions support product validation, optimization and production testing, all to enable faster, better and on-budget roll-out of your Wi-Fi 6E products and services.

Core Differentiators: RF & Microwave/mmWave Products and Custom Solutions

Leap the competition. Spectrum Control has decades of RF, Microwave and mmWave product development experience, combined with a legacy of superior quality, reliability, and technical performance. This includes:

- Wi-Fi Testing, including Wi-Fi 6E
- 5G and IoT Wireless R & D
- mmWave OTA Testing
- Wireless Fading Simulation & Test
- Phased Array Antenna Simulation & Test
- MIMO and MU-MIMO Simulation & Test
- Handover Simulation & Mobility Testing
- Transceiver/Radio to Radio Test Systems