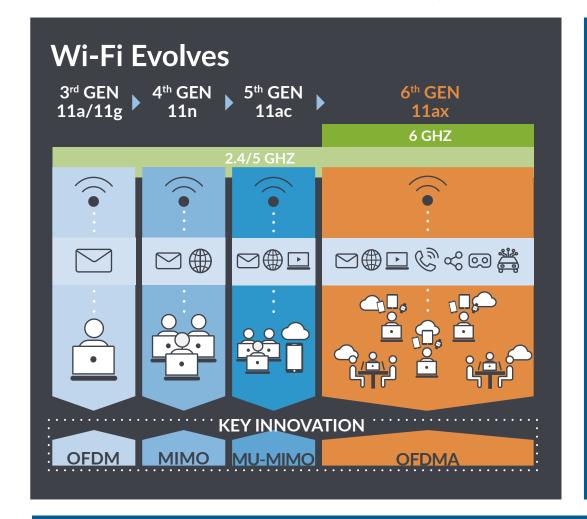
Wi-Fi 6E Quick Guide



Wi-Fi 6E is the extension of Wi-Fi 6 (also known as 802.11ax), enabling the operation of features in the unlicensed 6 GHz band, in addition to the currently supported 2.4 GHz and 5 GHz bands.



Wi-Fi 6E brings Wi-Fi to 6Ghz

- **■** Gigabit speeds More, contiguous spectrum (up to an additional 1200 MHz; varies by country)
- **Extremely low latency** Wider channels
- **■** High capacity Less interference and uncongested bandwidth

Key AP Specs

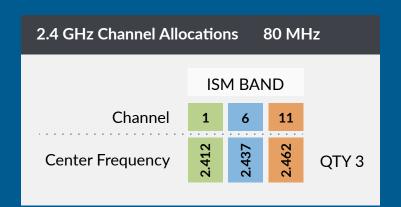
	AP45/45E	AP34
Deployment	Indoor	Indoor
Wi-Fi Standard	802.11ax (Wi-Fi 6) 4x4 : 4SS	802.11ax (Wi-Fi 6) 2x2 : 2SS
Wi-Fi Radios	Dedicated fourth radio	Dedicated fourth radio
Antenna Options	Internal/External	Internal
BLE	vBLE 16-element Directional Antenna Array + Omni Bluetooth Antenna	Omni BLE
Warranty	Limited Lifetime	Limited Lifetime
Frequencies Supported	2.4GHz 5GHz 6GHz	2.4GHz 5GHz 6GHz

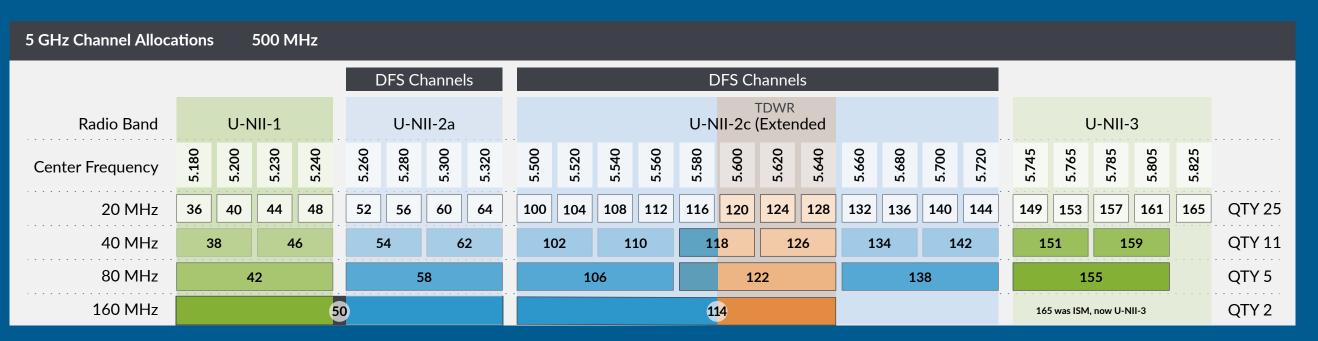
Innovation: "Al for Wi-Fi 6 and 6E"

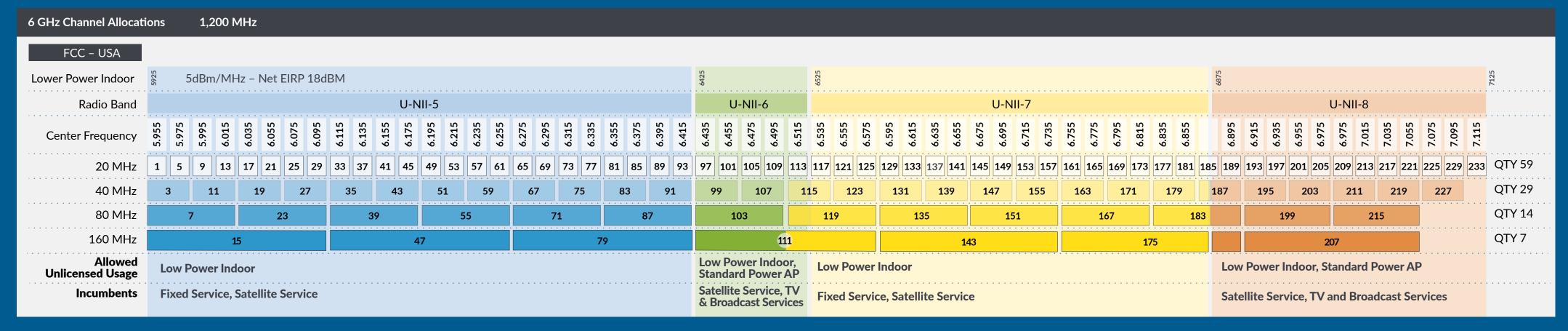
Due to the complexity of 802.11ax in Wi-Fi 6E, it is even more critical that you leverage AI to automate and optimize your network. You should look to your vendor to optimize the following key areas with AI:

- Intelligent load balancing between radios/bands
- Service levels that monitor and enforce orthogonal frequency-division multiple access (OFDMA) subcarrier assignments
- Basic Service Set (BSS) coloring assignments for highdensity Wi-Fi environments
- Sticky client prevention using Al-driven algorithms

Unlicensed Spectrum and Channel **Allocations**







Learn More: visit What is Wi-Fi 6E