

6 GHz in Action

Usage & Growth in the 6 GHz Band

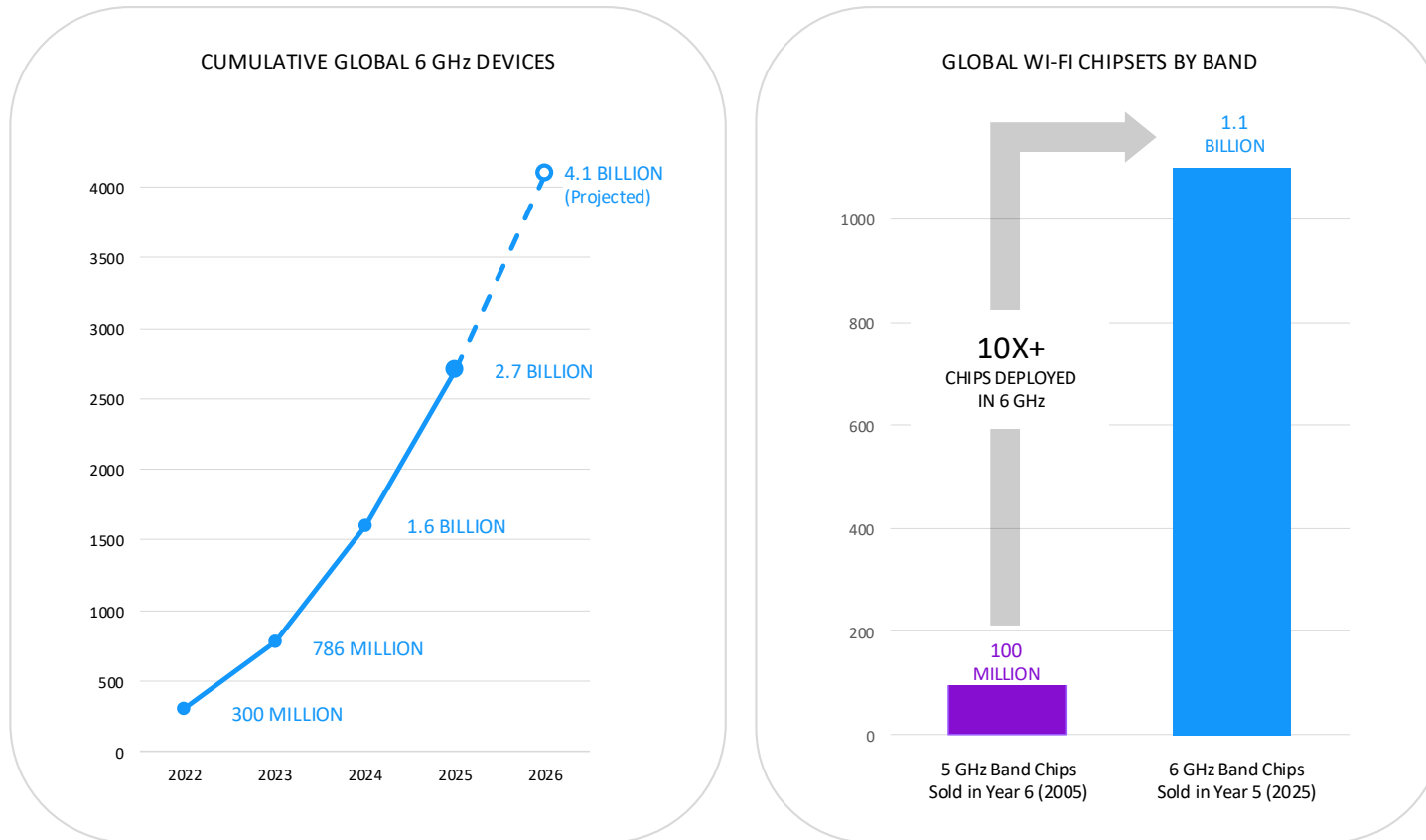
OCTOBER 2026

Data from Cisco, Charter, Comcast, eero, & HPE



6 GHz: Unprecedented Growth

6 GHz device and chip growth has exploded—far faster than previous bands.

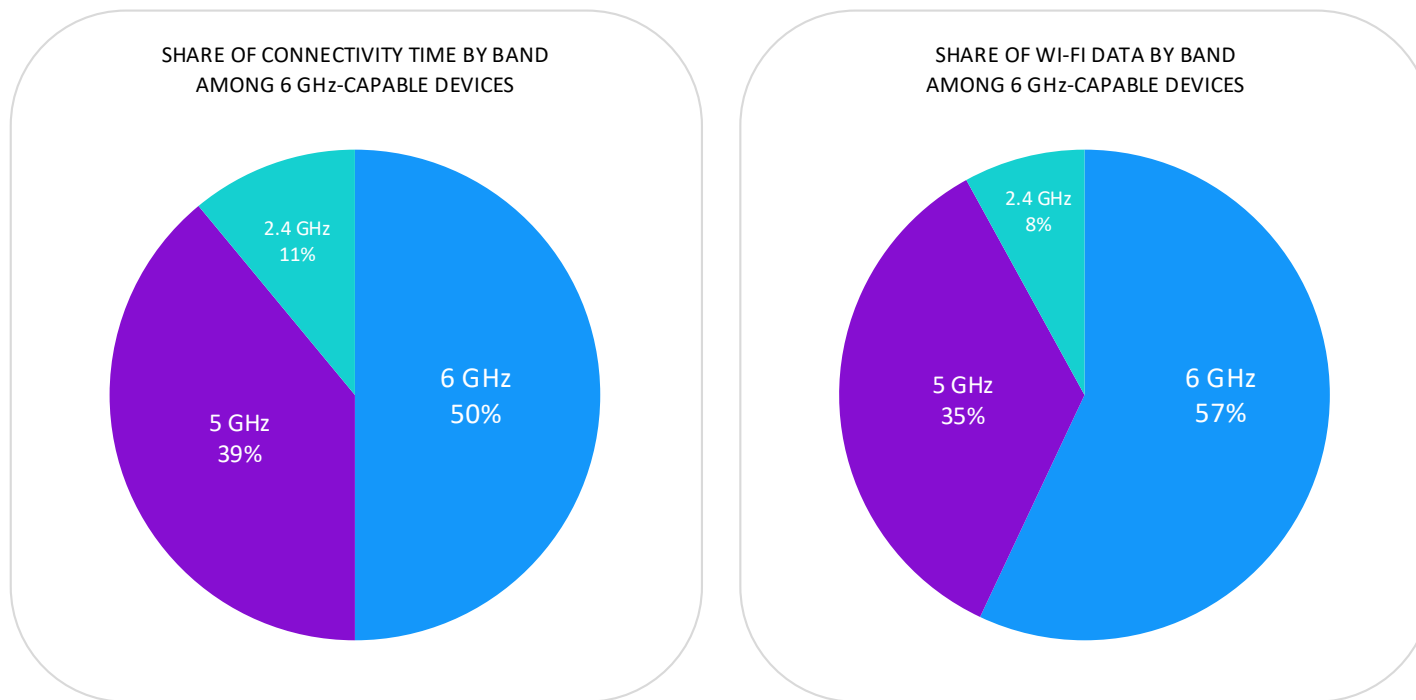


Sources: *Enterprise Wi-Fi Innovation and Future Spectrum Allocation*, ABI Research (2026); Broadcom (2026)—citing data from Wi-Fi Alliance, IDC, and ABI Research; *802.11n: Next-Generation Wireless LAN Technology*, Broadcom (2006).

Robust Residential Usage of the 6 GHz Band

More than 50% of activity on capable devices is already in the 6 GHz band.

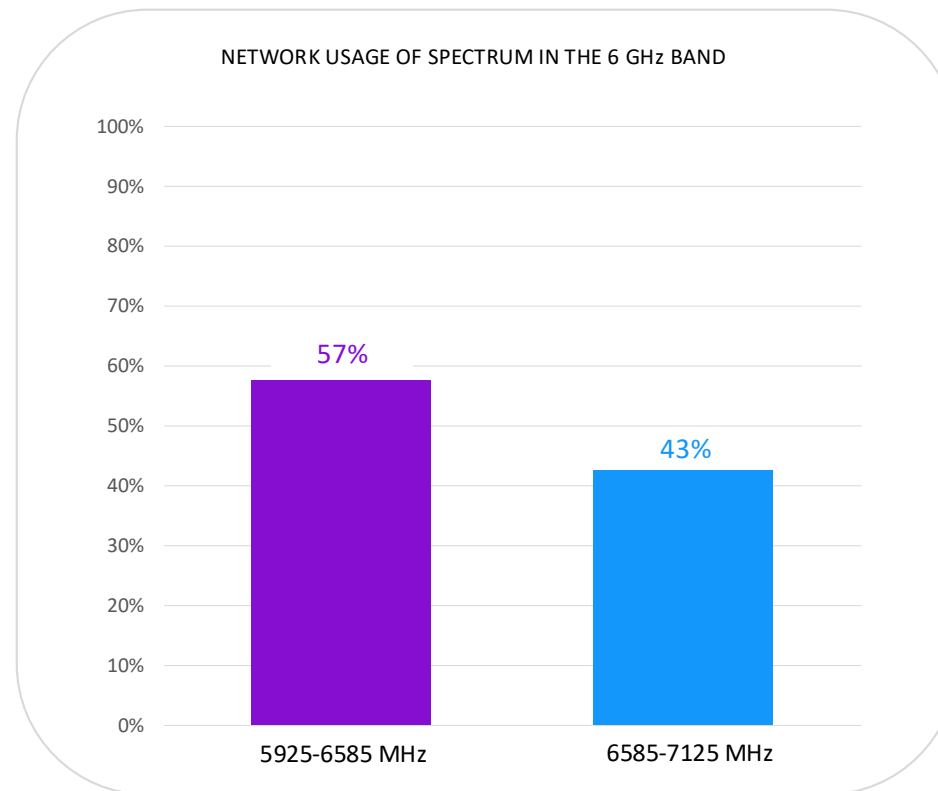
2.4 GHz and 5 GHz remain critical for older devices.



Source: Access-point-based analytics derived from U.S. networks; more than 13 million devices under test; data gathered in July and August 2026.

Network Usage of Spectrum in the 6 GHz Band

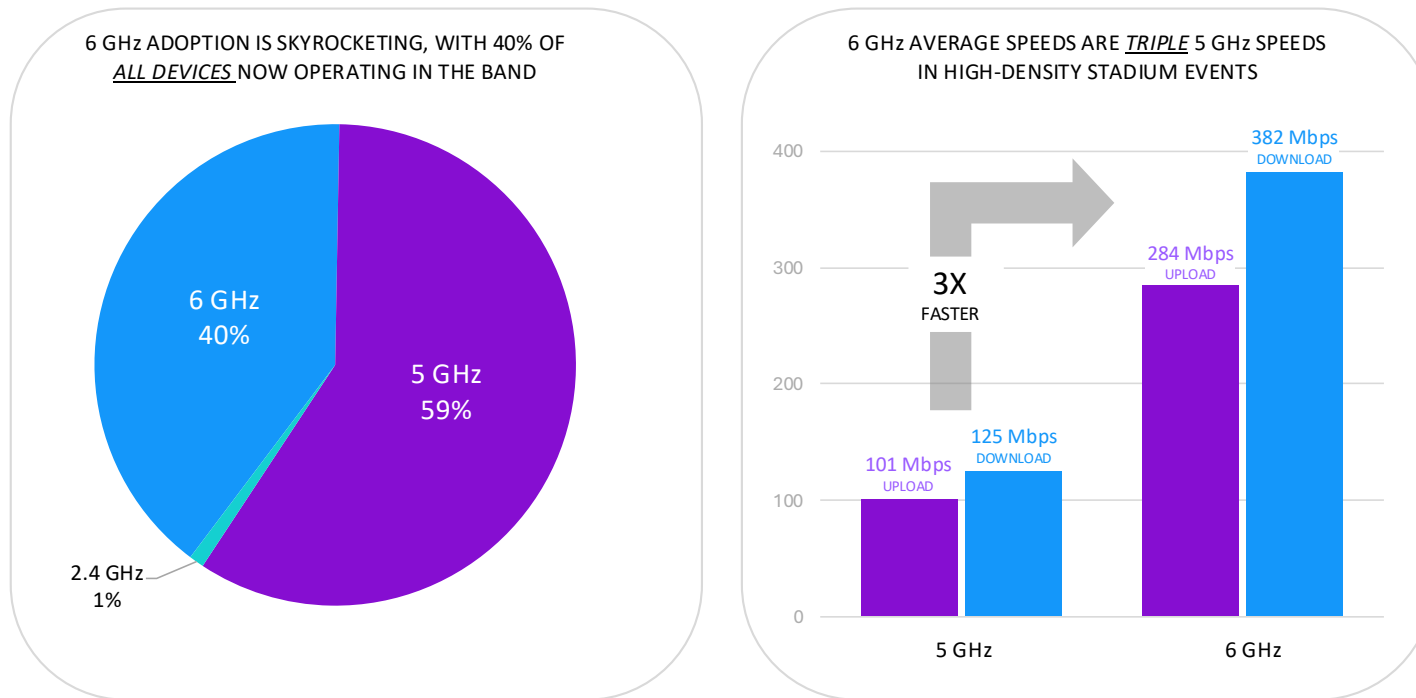
Service Provider use extends across the 6 GHz band.



Source: Access-point-based analytics derived from U.S. networks; representative sample of more than 13 million devices; data gathered in July, August, and September 2026—note that 6585-7125 MHz represents only 45% of the band, but this divides the band at the border of key 160- and 320-megahertz Wi-Fi channels.

6 GHz Use Is Skyrocketing in Stadiums

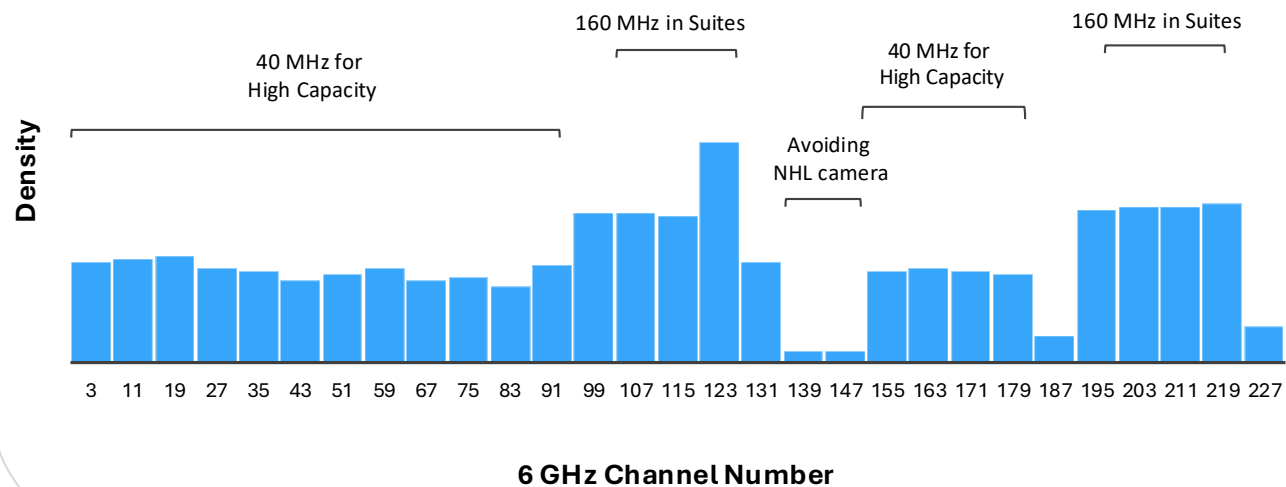
Wi-Fi analytics at sports and entertainment events show that 40% of fans' devices are now 6 GHz-capable and that the 6 GHz band is three times faster than 5 GHz.



Source: Access-point-based analytics; more than 150,000 client devices in U.S. stadium/arena events; data gathered in 2026.

Case Study: Histogram of 6 GHz Channel Assignments

Analysis of a major U.S. sports and entertainment arena shows full use of available channels.



Source: Access-point-based analytics derived from a major U.S. sports and entertainment arena; data gathered in September 2026.