

New Study:

Winning Global Wireless Leadership



Top Ten Things to Know About U.S. Spectrum Management:

1. The U.S. leads the world in advanced wireless capabilities, including Wi-Fi and dynamic spectrum management tools. **An America First approach** to spectrum should **utilize U.S. innovations like unlicensed and shared spectrum** to our advantage.
2. **To maintain global leadership**, America must allocate finite spectrum effectively through **policies that increase the number of users that can access a band**—ensuring both our government and our commercial sector have sufficient access to spectrum to meet their communications needs.
3. Claims that America is losing the global spectrum race are false. According to New Street Research, the U.S. has allocated roughly the same amount of exclusive licensed spectrum to mobile network operators (MNOs) as China and other nations, when adjusted for population.
4. By their own admission, the Big Three Cellular Companies **have more than enough** mid-band spectrum. For example, **Verizon's CEO has stated they have "quite a lot left of spectrum,"** and **T-Mobile's CEO said they have "lots of spectrum that we haven't put into the fight yet."**
5. **Unlicensed spectrum** is the key to Wi-Fi's success—**carrying up to 89% of all mobile device traffic and connecting hundreds of millions of users and devices.** At the same time, **spectrum sharing** has powered the success of the Citizens Broadband Radio Service (CBRS), which **ensures our military, government, and manufacturing and industrial bases are able to take full advantage of valuable spectrum.**
6. Spectrum sharing is critical to the future deployment of 6G. Reducing the availability of 6 GHz spectrum for unlicensed devices would also increase traffic congestion among Wi-Fi users, harming consumers' connectivity experience.
7. **Private wireless using shared CBRS spectrum is driving innovation and economic growth.** Companies are reducing their operating costs, increasing their security, and delivering better coverage.
8. **CBRS plays a key role in delivering new 5G network capacity and mobile competition, connecting rural areas, and powering cutting-edge American manufacturing.**
9. Shared licensed and unlicensed spectrum are better for competition and better for consumers. **With CBRS shared spectrum, companies can deliver nearly 2x or more annual mobile savings per American family** compared to the Big Three Cellular companies.
10. With spectrum sharing, **sensitive military equipment used by the U.S. and its allies does not need to be compromised or relocated** to new spectrum bands, avoiding a slow and dangerous process that would cost the Pentagon at least \$250 billion.

The Bottom Line:

Shared spectrum is the future—and without it, the next generation of wireless communications will be severely limited, or even fail. Ensuring U.S. wireless leadership requires leveraging our greatest strengths—unrivaled innovation and engineering capabilities—to get more use out of finite spectrum resources.

[Read the Full Study](#)