

Public interest and industry agree:

A COMPREHENSIVE POLICY IS CRITICAL

for our nation's spectrum future.

Advances in technology enable us to establish spectrum policy not through antiquated, incumbent approaches, but on dynamic, future-forward applications that facilitate rapid innovation and wider use of our nation's airwaves. The U.S. needs a diverse and comprehensive spectrum policy that is reflective of consumers' reliance on unlicensed, shared licensed, and exclusively licensed spectrum. **Here's what they're saying:**

"Many connectivity technologies are complementary, requiring a holistic view as a national spectrum strategy is developed. For example, low Earth orbit (LEO) satellite solutions can provide backhaul for wireless providers to **extend 5G networks into unserved and underserved areas**, and mobile network operators can use unlicensed spectrum to offload traffic from cellular mobile devices."

- Amazon

"The DSA and our members work with regulatory authorities around the world to promote new and innovative approaches to spectrum management to **increase spectrum access options and extend connectivity**. Such innovative approaches include the adoption of new licensing frameworks that incorporate licensed, unlicensed, and license-by-rule access options."

- Dynamic Spectrum Alliance

"Access to spectrum is not just related to ensuring proper mobile phone usage, but it also **enables municipalities to connect and serve their communities**. Through the use of public WiFi, Citizens Band Radio Service, smart city work, and other spectrum-sharing models, local governments have taken incredible strides in providing connectivity."

- Next Century Cities

"Innovative spectrum sharing frameworks are key to unlocking additional bandwidth for wireless connectivity across the country. The success and growth of the CBRS band shows **the promise of dynamic spectrum sharing** to make more efficient use of this finite resource."

- NTIA

"Increasing available spectrum for both [International Mobile Telecommunications] IMT and unlicensed use will allow the United States to continue to meet its spectrum goals, to the **benefit of the Nation's people, economy, and national security**. A comprehensive approach also reflects growing needs among both IMT and unlicensed use cases, and the fact that Americans rely daily on services provided under many different spectrum access models."

- Broadcom

"As the world's most popular form of shared spectrum, unlicensed spectrum is already **vital to our nation's interests**. Unlicensed spectrum carries the great majority of smartphone wireless data traffic over a Wi-Fi airlink. Unlicensed spectrum is also utilized as the primary or only connectivity by a wide variety of other Wi-Fi and Bluetooth products, including laptops, tablets, headphones, gaming consoles, televisions, and myriad other IoT devices."

- Hewlett Packard Enterprise

"Each day, **hundreds of millions of Americans rely on Wi-Fi to connect billions of devices**. But, as with any wireless technology, Wi-Fi depends on access to radiofrequency spectrum and lack of spectrum access threatens its performance and functionality. Accordingly, the U.S. must continue to ensure that there is sufficient spectrum to support the rapidly growing demand for Wi-Fi."

- Wi-Fi Alliance

Even **wireless carriers** understand the benefits and growing need for unlicensed and shared spectrum to support 5G:

"In 2017 Cisco reported that **54% of total data traffic on mobile devices was over Wi-Fi**, and estimated that in 2022, this figure would rise to 59%."

- Brattle study, CTIA