

Senator Maria Cantwell
Chairwoman
Senate Committee on Commerce, Science and Transportation
511 Hart Senate Office Building
Washington, D.C. 20510

Senator Roger F. Wicker
Ranking Member
Senate Committee on Commerce, Science and Transportation
555 Dirksen Senate Office Building
Washington, DC 20510

Dear Chairwoman Cantwell and Ranking Member Wicker,

We the undersigned 25 public interest and civil society groups, schools and libraries call on Congress to renew the Federal Communication Commission's spectrum auction authority in a way that promotes a vibrant, diverse wireless ecosystem. Taking a balanced approach will allow innovators, local anchor institutions, and technology companies, not just incumbent wireless providers, to access the spectrum they need to serve the American public.

As you know, Congress has extended the FCC's authority to auction spectrum until December 16 of this year. Congress should renew a further extension of the Commission's authority that does not prioritize exclusive use licensed spectrum over unlicensed or shared spectrum models. Limiting the Commission's auction authority in a manner that only allows the FCC to provide licensed spectrum access to mid-band spectrum for exclusive use is shortsighted. It would gift spectrum to a highly concentrated industry whose neglect of tribal lands and rural communities is only now being remedied by the widespread deployment of CBRS shared spectrum. Indeed, failing to provide more mid-band spectrum for CBRS-like sharing and for next generation Wi-Fi would further entrench incumbents by eliminating spectrum access for the incumbent carriers' most successful competitors. It would choke innovation in the fastest growing and most innovative segment of the wireless economy—private 5G networks.

By contrast, the surest way to maintain American leadership in the global wireless economy while enhancing affordable wireless access for all Americans is to provide the FCC with the tools it needs and flexibility to use these tools effectively. When the FCC authorized unlicensed spectrum access in the 1980s and early 1990s, it paved the way for Wi-Fi, Bluetooth, and other unlicensed technologies that enrich our lives. The FCC's authorization of database-managed spectrum sharing regimes, such as CBRS and TV Whitespaces, has enabled thousands of wireless ISPs—along with local schools and libraries and Native American tribes—to bring broadband to their local communities. This, in turn, has fostered economic development, access to telemedicine, and expanded educational opportunities in the least connected corners of rural America.

In every case, whether with spectrum auctions, unlicensed spectrum, or the new hybrid shared-access models (which are licensed-by-rule), the United States has led the world because the FCC has led the world as an innovative wireless regulator. The FCC is tasked with carefully curating the public airwaves to the benefit of *all* Americans. Congress should affirm the FCC's public interest charge and reject the self-interested pleadings of a single segment of the wireless industry—a segment that often chooses its own economic interest over the needs of serving everyone in a community, including rural and poor communities. Congress should also focus spectrum policy on promoting competition and innovation, instead of adopting policies that only further concentrate power in the hands of the existing wireless incumbents.

Among the most successful innovations of the FCC has been the introduction of CBRS shared spectrum. The FCC designated Spectrum Access System Administrators and closed the CBRS auction in 2020. Since then, the CBRS band has far exceeded expectations as a band for innovation and rural broadband access. Dozens of Tribes, schools and libraries, and other unconnected communities have incorporated CBRS into their wireless networks to enhance their communities' connectivity. The following examples demonstrate the diversity of CBRS end-users and the important role CBRS plays in serving communities neglected by the wireless industry:

- The Hoopa Tribe of California uses CBRS to deliver mobile and fixed wireless broadband access. Matthew Douglas, the broadband manager for Acorn Wireless (the ISP created to serve the Hoopa tribe), has stated that: “Without CBRS, we would be dead in the water when it comes to distributing broadband within our valley. Therefore, it is a 10/10 on the importance scale.”
- The Fort Worth Independent School District of Texas is deploying a fixed wireless broadband access network to reach students who cannot afford a broadband connection – as are other school districts in Texas, and school districts in Colorado, California and other states.
- The Lindsay Unified School District in Central California is deploying a “hetnet” combining CBRS, unlicensed spectrum, and licensed spectrum to ensure that students in the low-income farming community the district serves have access to broadband in their homes.

While the wireless industry may regard spectrum serving such communities as “wasted,” Congress should regard these uses as a success story to celebrate.

Private CBRS networks such as these are continuing to expand as businesses and providers gain experience with CBRS. A recent ABI research paper identified CBRS private networks as “an important building block” for what it calls “Industry 4.0”—the revolution in industrial processes,

Sincerely,

Public Knowledge

Institute for Local Self-Reliance

Access Humboldt

LinkOregon

American Library Association

MediaJustice

California State Library

National Digital Inclusion Alliance

Center for Rural Strategies

New York Public Library

Community Tech NY

Open Technology Institute at New America

Connect Waukegan (IL)

Pullman Public Schools (Washington)

Consortium for School Networking

Schools, Health and Libraries Broadband
(SHLB) Coalition

DigitalC (Ohio)

Shreve Memorial Library (Louisiana)

Fresno Unified School District (California)

Utah Education and Telehealth Network

Friday Institute for Educational Innovation
(North Carolina)

Washington State Library

Gigabit Libraries Network

Ysleta Independent School District (TX)

Hawaii Broadband and Digital Equity Office