

The Expanding CBRS Ecosystem:

CBRS shared spectrum is an American innovation powering cutting-edge manufacturing and industrial applications, connecting rural areas and spurring precision agriculture, delivering new mobile competition and 5G network capacity, and supporting critical military operations. These examples represent just a portion of the broader CBRS ecosystem; this is not an exhaustive listing of the entire ecosystem.

Spectrum Access System (SAS) Administrators



Research & Standards



Handset & Chipset Manufacturers & Vendors



Private Networking & Ecosystem Support



CBSD, Equipment, & Component Providers & Manufacturers



CBRS Shared-Spectrum End Users



U.S. Headquartered Companies



3.5 GHz CBRS

A U.S. Success Story Driving Innovation
and National Leadership





Massive Industry Investment and Economic Impact

>\$14B invested
to date by the private sector.

Estimated annual consumer surplus of **\$8-26B**, with a net present value of **\$80-260B**.

Amazing Growth in Deployments

Over **422,000** active base station radios deployed nationwide (for comparison, the three largest U.S. mobile carriers cumulatively operate 250,000 macro cellular sites).

43% Compound Annual Growth Rate (CAGR) from 2021-2024.

96% of base stations using the General Authorized Access (GAA) tier.

Critical Use Cases Dependent on CBRS Spectrum



Private 5G: The U.S. is the global leader in private mobile networks due to CBRS.



Mobile Services: Both traditional and competitive Mobile Network Operators.



Rural Broadband: Fixed wireless access that closes gaps for un/underserved communities, including tribal lands and BEAD projects.



Neutral Host: Cost effective indoor coverage and capacity for mobile subscribers.

Nationwide Deployment Across Critical Sectors

>1 000
different operators

Leading deployment sectors include industrial, manufacturing, transport/logistics, the U.S. military, agriculture, oil & gas, power production, automotive, education (K12 & Higher Ed), entertainment (e.g. sports stadiums, theme parks, casinos).

Examples on reverse.

228 entities secured Priority Access Licenses (PALs) via the FCC's 2021 auction.

CBRS deployed in **all 50 states** plus DC and U.S. territories.

82% of U.S. counties have CBRS deployed

- **56%** rural counties; **44%** non-rural.
- **99%** with GAA operations.

Broad Ecosystem

1,288 FCC-approved CBRS devices are available, spanning the range of use cases.

- **109** base station models; **1,179** end user devices.
- **>50%** certified devices are registered to U.S. companies.

>5,700 CBRS Certified Professional Installers (CPIs) trained and supporting deployments.