

**U.S. 3.5 GHz CBRS
Forecast, 2018-
2023: *The shared
spectrum solution
is finally here***

Market Study
Third Quarter 2019





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Abstract

CBRS is finally here. Since the FCC established the Citizens Broadband Radio Service for shared wireless broadband use of the 3550-3700 MHz band (commonly called the 3.5 GHz Band) back in 2015, countless companies have spent years developing and testing hardware and software solutions to provide new services on the shared spectrum.

On September 16th, 2019, the FCC ordered that the first Initial Commercial Deployments (ICDs) of CBRS services could begin. After an initial 30-day test period and subsequent review, the industry will finally have general availability of CBRS services.

This market study provides an updated five-year forecast for the number of CBRS nodes to be deployed in the U.S. The nodes forecast is further split by type/location: outdoor WISP, outdoor mobile, indoor commercial and indoor residential. Two five-year total addressable market forecasts for outdoor small cells and CBRS in commercial buildings by industry are also provided. The market study also provides an explanation of how the CBRS licensing scheme works, discusses how the technology elements of the new band work, identifies the likely use cases of CBRS, and summarizes the recent developments from the major players in the CBRS ecosystem.

Key questions addressed in this study:

- What is CBRS?
- What are the different license types of CBRS and how does the licensing scheme work?
- Who are the likely adopters of CBRS?
- What is the current state of the CBRS market? What hardware and software solutions are available?
- What is the total addressable market for outdoor small cells? How many nodes will be required outdoors?
- What is the total addressable market for CBRS in commercial buildings, by industry? How many nodes will be required, by industry?



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- How many CBRS nodes of the following categories – outdoor WISP, outdoor mobile, indoor commercial, and indoor residential – are expected to be deployed in the U.S. between 2018 and 2023?

This market study is recommended for:

- Mobile operators, particularly those servicing the U.S. market
- Mobile backhaul providers, including telcos and cable MSOs
- Wired and wireless backhaul vendors and solution providers
- Mobile OEMs, particularly those servicing the U.S. market
- Wired and wireless infrastructure vendors, particularly those servicing the U.S. market
- Financial and investment analysts.



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