At Dallas Love Field Airport, the fastest-growing airport in the United States over the past 10 years, an increase in flights and passengers has meant busier operations and more congested wireless networks.

With millions of passengers and thousands of flights to support, Dallas Love Field Airport needed high-performance, low-latency connectivity to ensure smooth airport operations and an even smoother customer experience.

Citizens Broadband Radio Service (CBRS) gave the airport an efficient solution for upgrading its wireless infrastructure to keep its teams and customers happy.

**CBRS Opens Up the Airways**

CBRS is a new spectrum-sharing approach that makes 150MHz of the high-speed 3.5GHz band available for private LTE.

A robust technology, CBRS gives enterprises and public facilities the fast, uninterrupted connectivity that staff and customers demand. For Dallas Love Field, the spectrum is used to deploy a private LTE (PLTE) network to streamline operations and IT functions.

The airport’s wireless partner, Boingo, launched and manages the PLTE network to expand wireless coverage and capacity. The deployment marks the first-known commercial launch of CBRS at a major U.S. airport.

Director of Aviation for the City of Dallas Mark Duebner said that the key is to create a seamless wireless ecosystem that offers maximum frequency capacity and minimum interference, now and in the future.

In addition to PLTE, Boingo powers the airport’s cellular distributed antenna system (DAS), Wi-Fi, and Passpoint networks.

The convergence approach to next-gen connectivity solutions, together with 150MHz of the brand-new spectrum, means that there’s adequate capacity to support the rapid growth of wireless

**RELATED:** How Can Enterprises and Venue Owners Benefit From CBRS

"As our wireless partner, Boingo has delivered cellular DAS, Wi-Fi and Passpoint solutions that help power an outstanding passenger experience. We are now excited to embrace next-generation technologies like CBRS to maintain our leadership position in the 5G era."

Mark Duebner
Director of Aviation for the City of Dallas

boingo
Wireless Infrastructure That’s Ready for the Future

For Dallas Love Field Airport, being the first major airport to deploy CBRS technology isn’t enough. The airport is looking to work with Boingo to enhance its capabilities and user experience with CBRS built on the Federated Wireless Spectrum Controller.

From self-service technology to smart airports, the use cases for PLTE in aviation continue to increase. Building infrastructure that allows seamless wireless communication between devices is a strategic move – one that the airport is following closely.

Duebner stated that “the airline industry is looking at less and less human interaction.” So, being able to give information to passengers on their devices when they need it will lead to a more frictionless customer experience far into the future.

private wireless simplified

Federated Wireless has championed CBRS technology from its inception to its commercialization.

With the Federal Communications Commission (FCC) making CBRS available in the 3.5GHz radio band, public facilities like airports and stadiums can now have the fast, uninterrupted coverage they need to enhance internal operations and their customer experience.

Federated Wireless offers a proven solution for a proven need. Working with neutral host wireless providers like Boingo, Federated Wireless can help large enterprises replace their current communication technology with a private LTE network.

Visit the official website to learn more about Federated Wireless and its CBRS solutions.

About Federated Wireless

Founded in 2012, Federated Wireless has long led the industry in development of shared spectrum CBRS capabilities. The company’s partner ecosystem includes more than 40 device manufacturers and edge partners, all of which are dedicated to collaboration in order to advance the development and proliferation of CBRS services. Federated Wireless’ customer base includes companies spanning the telecommunications, energy, hospitality, education, retail, office space, municipal and residential verticals, with use cases ranging from network densification and mobile offload to Private LTE and Industrial IoT.