

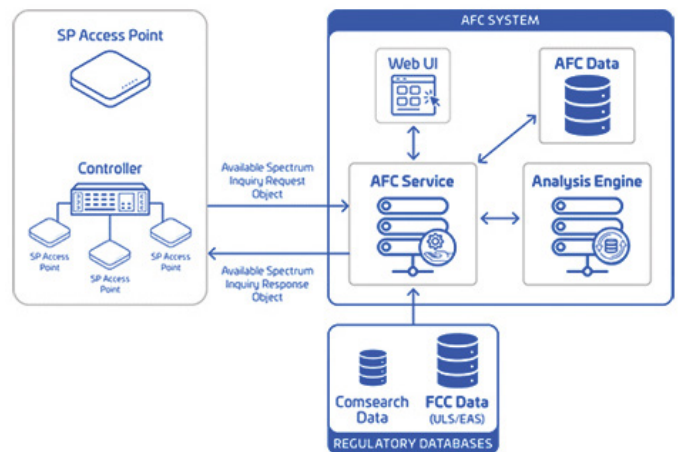
# Comsearch<sup>®</sup> AFC: Get more from your unlicensed 6 GHz spectrum

The opening of the unlicensed 6 GHz band in 2020 allowed for new opportunities. But with new opportunity comes added responsibilities, like ensuring you don't interfere with licensed incumbent point-to-point systems. For that, you'll need an automated frequency coordination (AFC) provider. Selecting the right one matters.

All AFC system providers are FCC approved, but they're not all equal. Differences in system architecture, interference analysis parameters, system design and data quality have significant impacts when it comes to system performance. For the best 6 GHz user experience, you'll need an AFC provider with the most experience in these areas.

The Comsearch AFC system is the result of nearly five decades of experience in microwave frequency coordination. In addition to the FCC's 6 GHz user database, our AFC solution leverages Comsearch proprietary databases, which contain exhaustive information on incumbent system configurations developed over the years—much of which is not available in the FCC's database.

As a result, the Comsearch AFC system ensures you are compliant with FCC regulations and industry standards, while delivering the cloud-enabled speed and efficiency to maximize spectrum availability and ROI.



## The Comsearch AFC System

### We pack more experience into our AFC solution, so you get more 6 GHz spectrum out of it

The proprietary Comsearch interference analysis and frequency coordination engine enables seamlessly coordinated co-existence between unlicensed standard power users and incumbent point-to-point microwave users in the 6 GHz band. The Comsearch AFC solution helps you optimize your unlicensed 6 GHz spectrum availability.

AFC systems use FCC-provided (ULS) data of all licensed incumbents operating in the 6 GHz band and coordinate shared spectrum use between them and unlicensed users.

## Extensive frequency coordination experience

- Based on nearly 50 years of dynamic spectrum management experience
- Proprietary databases of incumbent microwave systems are among the most comprehensive in the industry
- Incorporates industry-standard interference analysis and mitigation

## Better spectrum availability

- Proprietary databases improve calculations of spectrum availability at higher operating powers
- Micro-service architecture improves availability, scalability, and maintainability

## Redundant and reliable cloud-based architecture

- Leverages the flexibility and reliability of a secure cloud services platform
- Geographic redundancy improves uptime during power/network failures

## Nobody knows microwave spectrum management better

For nearly five decades, Comsearch has been the leader in addressing the challenges of microwave frequency coordination. Our industry-standard interference analysis and mitigation technologies have enabled wireless networks to maximize both capacity and quality of service. Today, Comsearch is widely regarded as a global leader of spectrum management and wireless engineering products and services.

**For more information on Comsearch AFC or our other dynamic spectrum management solutions, visit our [website](#) or contact your local representative today.**



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Visit our website or contact your local Comsearch representative for more information.

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