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FCC Certifies Comsearch AFC for Commercial Deployment

Feb 27, 2024

Comsearch AFC extends the full range of 6 GHz capabilities to unlicensed standard power devices to support a broad range of unlicensed deployments including Wi-Fi 6E and Wi-Fi 7

CLAREMONT, N.C.--(BUSINESS WIRE)--Feb. 27, 2024-- [CommScope](#) (NASDAQ: COMM), a global leader in network connectivity, today announced that its [Comsearch](#)® spectrum management business has received [FCC certification](#) for the commercial deployment of its AFC (automated frequency coordination) system supporting unlicensed 6 GHz standard power and fixed client devices.

This certification allows Comsearch AFC to open up 850 MHz of 6 GHz spectrum for shared, FCC-compliant use by unlicensed devices to offer enhanced quality of service. By maximizing available spectrum in the 6 GHz band, the solution allows indoor and outdoor unlicensed networks to achieve the highest possible signal strength—enabling use cases such as multi-gigabit Wi-Fi® for venues, factory and warehouse IoT connectivity, whole-home gigabit coverage, high-speed municipal Wi-Fi deployments, and fixed wireless access.

“We’re building on a 50-year legacy of spectrum access innovation to bring the full 6 GHz band to standard power devices,” stated Mike Guerin, SVP, CommScope. “This is a gamechanger for a number of industries that are looking to CommScope to power their next-generation commercial networks. Together with our RUCKUS portfolio of standard power devices, Comsearch AFC makes CommScope the only company with a complete portfolio of 6 GHz solutions.”

Comsearch AFC service enables RUCKUS® Wi-Fi 7 and Wi-Fi 6E APs to transmit signals at higher power levels in the 6 GHz band in certain regulatory environments which offers many benefits including outdoor deployment, extended range, improved signal strength, enhanced throughput, better performance in challenging environments, increased flexibility in network deployment, and regulatory compliance.

“This is a milestone moment enabling CommScope to deliver an integrated indoor and outdoor Wi-Fi 7 AI-driven solution, an industry-first, from our RUCKUS Networks portfolio,” commented Bart Giordano, SVP and president, Networking, Intelligent Cellular and Security Solutions, CommScope. “Comsearch AFC service plays a crucial role in optimizing spectrum usage, minimizing interference from incumbent services, and enhancing the performance and reliability of RUCKUS Wi-Fi 7 and Wi-Fi 6E enterprise class APs in the 6 GHz band, thereby improving the overall user experience.”

The Comsearch AFC optimizes unlicensed 6 GHz spectrum availability for wireless deployments—ensuring compliance with FCC regulations and industry standards. The platform delivers cloud-enabled speed and efficiency to maximize spectrum availability and ROI.

For more information on Comsearch AFC and 6GHz spectrum solutions, please visit the [Comsearch](#) and [CommScope](#) websites.

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About CommScope:

CommScope (NASDAQ: COMM) is pushing the boundaries of technology to create the world’s most advanced wired and wireless networks. Our global team of employees, innovators and technologists empower customers to anticipate what’s next and invent what’s possible. Discover more at www.commscope.com.

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This press release includes forward-looking statements that are based on information currently available to management, management’s beliefs, as well as on a number of assumptions concerning future events. Forward-looking statements are not a guarantee of performance and are subject to a number of uncertainties and other factors, which could cause the actual results to differ materially from those currently expected. In providing forward-looking statements, the company does not intend, and is not undertaking any obligation or duty, to update these statements as a result of new information, future events or otherwise.

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