



Elite RF Displaying 5kW C-Band High Power Amplifier at IMS 2025 in Washington, D.C. – Visit Booth 1364

Elite RF, a U.S.-based designer and manufacturer of high-performance RF and microwave power amplifier modules and systems, will showcase its latest innovation, a C-Band amplifier system delivering 5kW peak power at IMS 2025, June 17-19 in San Francisco, CA.

The amplifier, engineered to meet the demands of modern C-Band high RF power applications, is built for customers in defense, aerospace, weather radar and commercial applications who require high RF power, gain, field replaceable modules and rugged reliability.

“We’re excited to bring this new 5kW C-Band system to IMS this year,” said Tim Avicola, President & CEO of Elite RF. “Our customers are looking for scalable, solid-state modular alternatives, and this system delivers that with outstanding performance and cost-efficiency. Our high-power L-Band, S-Band, and X-Band systems are reaching more customers than ever, driven by strong market demand.”

Built with advanced GaN-based architecture, the system offers excellent linearity, pulse capability, and thermal management in a rack-mountable design. It also features intuitive control interfaces for simplified integration into both new and existing platforms.


Founded in 2014 by former Motorola engineering leaders, Elite RF designs and manufactures solid-state [RF amplifiers](#) entirely in-house at its 22,000-square-foot facility in Hanover Park, IL. The company offers solutions spanning 1 MHz to 40 GHz and output levels up to 100 kW, including COTS and fully custom systems.

“Our engineers work closely with customers to design amplifiers that not only meet specs but are practical to deploy and maintain,” said Deep Patel, COO of Elite RF. “This system reflects that mindset, purpose-built for real-world conditions, and available with industry-leading support and turnaround.”

Elite RF’s portfolio will be on display throughout IMS 2025. Engineers and attendees are invited to stop by the booth to view the new 5kW system and discuss their amplifier requirements.

Visit Elite RF at IMS 2025

 **Booth 1364**

 **June 17-19, 2025**

To schedule a meeting, click [here](#)

To learn more, visit www.eliterfllc.com or email sales@eliterf.com