



RF AMPLIFIER DESIGN SERVICES CAPABILITIES

Elite RF stands as your trusted partner in transforming visionary concepts into mission-ready RF and microwave systems. Elite is focused on custom designs in frequency ranges of 1 MHz to 40 GHz, with power levels of 1W to 100kW.

Our RF team has over a century of RF experience in commercial and defense electronics, we embed innovation into every phase of your project. From initial specifications to design and development of hardware, to post design production, Elite RF stands with customers every step of the way.

CONCEPT

Elite RF delivers fast-turnaround design solutions and specification development, tackling challenges and opportunities through system-level engineering approach. We thrive on solving complex RF challenges. We apply cutting-edge design methods while creating affordable, high-performance RF solutions tailored to our end-user needs — all while navigating complex technical demands.

DESIGN

Our full-spectrum design services ranging from 1 MHz to 40 GHz at power levels of 1W to 100kW redefine the scope possibility. We provide complete system and subsystem design, and analysis services to elevate your RF and Microwave capabilities. Our High Power Amplifiers, Bidirectional Amplifiers, and Microwave Generators support the RF marketplace in the lab and in the field.

QUALIFICATION -

Our Best-In-Class Partner Network

We don't just meet standards we exceed them. Elite RF has trusted partners we work with to qualify the product according to the MIL Standards and Medical Standards our clients adhere to. Our partners facilities include anechoic chambers, vibration/shock tables, and environmental chambers to rigorously test EMI/EMC compliance and resilience under extreme conditions — all while meeting strict qualification requirements efficiently.

PRODUCTION

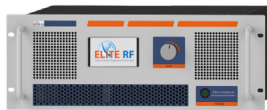
With ISO 9001:2015-certified in-house manufacturing and testing teams, Elite RF handles high-volume production for defense, military, and commercial clients. As a turnkey partner for high volume programs, we maintain ITAR-compliant workflows while optimizing costs through lean production strategies. From low-rate production to full deployment, we support our customers' growth every step of the way. We excel in cost-efficient high-end manufacturing and have best in class partners that we work with to manufacture in the most sensible and effective manner. We provide end-to-end solutions— from conceptual specifications to a final product ready to amplify the market of possibility. Come see the Elite RF difference and experience what our RF expertise brings to your custom RF design.

CAPABILITIES

- 1 MHz to 40 GHz
- 1W to 100kW
- Modular designs
- Rack mount designs
- MIL STD testing
- ISO9001 Certified
- AS9100 Compliant
- ISO13485 Compliant



SCAN FOR MORE INFORMATION



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