



! Eureka Aerospace, Inc.

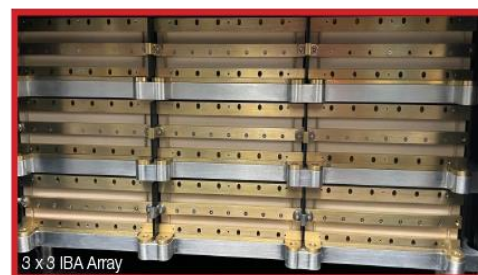
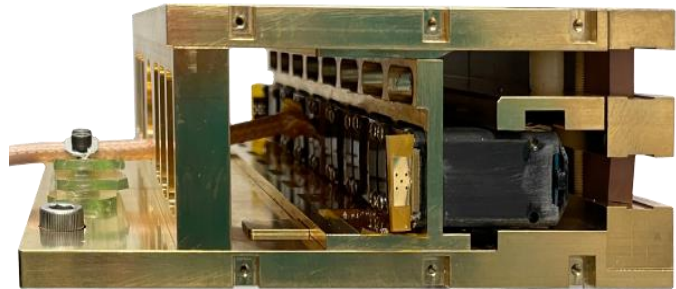
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Eureka Aerospace to Showcase *PCSS-Based High-Power Microwave System* at IMS 2022 at Booth #10078

Eureka Aerospace will feature its flagship “Integrated Blumlein Antenna (IBA) Module” at the 2022 International Microwave Symposium in Denver, Colorado from June 19 - 24.

The IBA integrates a multitude of modules that incorporate several Photoconductive Semiconductor Switches (PCSSs) into a single module, and has a high (10’s of GW) peak microwave power. The module acts as both a microwave source and a radiator, and is tunable within the 100 MHz to 1 GHz frequency range. No external antenna is needed. Depending on the operational requirements, the IBA module is scalable to any size.



The IBA Module has a high (>20) Q waveform and has multiple Directed Energy Weapon Applications at large standoffs, including:

- Remote neutralization of Explosive Hazards (EHs) and IEDs
- Remote neutralization of UAVs, Ground Vehicles & Boats
- Nonlethal Area Denial

About Eureka Aerospace:

Eureka Aerospace is a high-technology research and development firm that provides forward-looking technical solutions to some of the most pressing problems of our time. Eureka develop, produce, and market cutting-edge imaging and security systems that utilize advanced, proprietary impulse synthetic aperture radar and microwave technologies, coupled with advanced signal and image processing techniques, to enhance our nation's security and defense.

Starting from 2008, Eureka Aerospace's effort has been primarily focused on developing a novel PCSS-based modular High-Power Microwave system capable of delivering tens of Gigawatts of microwave power at large standoffs. Termed the Integrated Blumlein Antenna (IBA) array, Eureka's enabling technologies such as miniature photo-conducting semiconductor switches (PCSSs) and laser diode chips render a compact tunable and modular architecture which combines both the generation and radiation of microwave energy towards its targets.

For more information about Eureka Aerospace, visit www.eurekaaerospace.com or email tatoian@eurekaaerospace.com.