

## **dB Control Exhibits High-Power TWT Amplifiers, MPMs, Power Supplies, RF Receivers and RF Sources at IMS in Booth 5102**

### ***Rugged, High-Power Products Provide Reliable Support for Radar, EW, ECM, Data Links and other Critical Military Operations; New RF/Microwave Custom Components & Assemblies Join Line Up at IMS***

Fremont, Calif. – June 9, 2022 – [dB Control](#), an international defense electronics manufacturer, will exhibit custom TWT amplifiers, microwave power modules (MPMs), high-voltage power supplies, RF receivers and RF sources for complex ground mobile, maritime and airborne defense applications in **Booth 5102** at IMS, June 19-23 in Denver, Colorado.

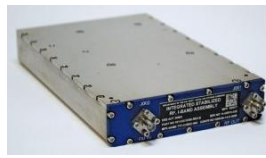
dB Control's high-power, helix and coupled cavity [Traveling Wave Tube Amplifiers \(TWTAs\)](#) are fielded to support radar, EW, ECM and data link applications. The TWTAs cover the 1-50 GHz frequency range and are available with continuous wave or pulsed power. Built to withstand harsh environmental conditions, dB Control's TWTAs are suitable for shipboard and ground-based mobile systems, as well as unpressurized airborne environments.

"dB Control's TWT amplifiers incorporate our proprietary potting and encapsulation processes. This enables extremely dense packaging without sacrificing reliability or performance," said dB Control Vice President of Sales and Marketing Mike Lee.

dB Control will also feature three **Microwave Power Modules** (MPMs) at IMS: the millimeter-wave Q-band [dB-3205](#) (43.5-45.5 GHz, 80W CW) for secure satellite communications, the high performance [dB-3201H](#) (30-38 GHz, 125 Watts, pulsed to CW) for ECM and EW simulation, and the high efficiency [dB-3756HE](#) (9-10 GHz, 1kW pulsed, 20% max duty cycle) for high-resolution synthetic aperture radar (SAR) systems on both manned and unmanned platforms.

Rounding out the company's high-power products at IMS are its new custom **RF sources and receivers**, including the [dB-9003](#) Integrated Stabilized RF Source (8- 12 GHz and 30- 36 GHz, I- and Ka-band frequency range) with four types of modulation (AM, four modes of FM, Phase, Pulse); the [dB-2348](#) DC to DC Converter (+1500 VDC to +10 VDC @ 43 Amps, 100 mVrms max, 3% max voltage variation over line, load and temperature) and the [dB-2347-01](#) Decoy Power Supply for airborne platforms (6.4 VDC input, 68 Amps output).

New at IMS this year is dB Control's family of [custom RF and microwave components and assemblies](#), including PIN Diode Switches, PIN Attenuators, Switch Matrices, Switch Filter Banks, Detector Log Video Amplifiers (DLVAs) and Custom Assemblies and Subsystems.



*dB Control Power Products (Left to Right): Rugged TWTA, High Efficiency MPM, Integrated Stabilized RF Source, Airborne Power Supply*

### Additional Information

- For more about dB Control's **high-power products**, visit <https://www.dbcontrol.com/products/> and download the [brochure](#)
- For more about dB Control's **custom RF & microwave components and assemblies**, visit <https://www.dbcontrol.com/products/> and download the [brochure](#)
- For dB Control **product specifications**, download datasheets from the [online library](#)

### About dB Control

Established in 1990, [dB Control](#) supplies mission-critical (often sole-source) products worldwide to military organizations, major defense contractors, and commercial manufacturers. The company designs and manufactures reliable high- and low-voltage power supplies, high-power TWT Amplifiers (TWTAs), microwave power modules (MPMs), transmitters, and high-voltage power supplies (HVPS) for radar, electronic countermeasures (ECM) and communication applications on airborne, maritime, and ground-based military platforms. Since acquiring Paciwave in 2021 and TTT-Cubed in 2019, dB Control now offers specialized RF/microwave components, integrated microwave subsystems and custom radio frequency (RF) receivers and sources, including Instantaneous Frequency Measurement Units (IFMs), Frequency Locked Oscillators (FLOs), Digital Control Units (DCUs), Antenna Control Units (ACUs) and Integrated DCUs. In addition, dB Control provides specialized contract manufacturing and repair depot services from its modern 40,000-square-foot facilities in Fremont, California. The company is AS9100D and ISO 9001:2015 certified. More information is available at [www.dBControl.com](http://www.dBControl.com).

### CONTACTS

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Custom Components & Assemblies  
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