



## NEWS RELEASE

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### **New High-Reliability, User Programmable Airborne L-Band Multi-mode Transmitter Supports Extended Range Flight Test Programs**

***New TTS-9610 multi-mode transmitter supports Curtiss-Wright MnACQ, MCDAU-2000, and  
MDW-2020 data acquisition stacks***

**ASHBURN, Va. – December 19, 2024 – [Curtiss-Wright's Defense Solutions Division](#)** today introduced a new airborne L-Band multi-mode 5/10/20 W transmitter designed to provide state-of-the-art IRIG-106-23 modulation for use in demanding flight test programs. The flexible [TTS-9610](#) transmitter can be easily customized to meet the unique specifications of each program. It supports user programmability for center frequency, low-density parity-check (LDPC) encoding, and a high-efficiency power amplifier chain that delivers the industry's highest power efficiency.

"Aerospace test flights, which are both costly and time critical, demand reliable, accurate transmission of data to the ground from the airborne test platform," said Brian Perry, Senior Vice President and General Manager, Curtiss-Wright Defense Solutions Division. "Our new TTS-9610 multi-mode transmitter line delivers the highest reliability and power efficiency available today. Even better, it features programmable power and LDPC encoding for optimal flexibility and enhanced range."

The TTS-9610 combines programmable power and a highly reliable design to provide a flexible and dependable solution for ensuring critical data is successfully transmitted from air to ground on every test flight. It supports IRIG-106 LDPC linear error correction, with fast encoding and decoding algorithms, to optimize the accuracy of data transmitted and received over noisy channels.

The use of LDPC encoding, coupled with programmable power, enables the transmitter to support extended flight range operation without requiring increased wattage. The TTS-9610's low-power mode is ideal for use during pre-flight checkout to minimize self-heating, minimize RF radiation, and extend the transmitter's lifespan. The unit features optimized thermal management to efficiently remove heat. A RS-232 interface eases reconfiguration of the transmitter using standard IRIG-106 commands. The TTS-9610 is ideal for use in extended range flight testing applications for launch vehicles, and missile test flights.

The TTS-9610, the latest addition to Curtiss-Wright's total flight test instrumentation (FTI) system approach, is easily integrated into data acquisition systems to support the transmission of data from MnACQ, MCDAU-2000, MDW-2020, and other data acquisition stacks.

For additional information about Curtiss-Wright Defense Solutions products, please visit [www.curtisswrightds.com](http://www.curtisswrightds.com) and LinkedIn.

### **About Curtiss-Wright Corporation**

Curtiss-Wright Corporation is a global integrated business that provides highly engineered products, solutions and services mainly to Aerospace & Defense markets, as well as critical technologies in demanding Commercial Power, Process and Industrial markets. Headquartered in Davidson, North Carolina, the company leverages a workforce of approximately 8,600 highly skilled employees who develop, design and build what we believe are the best engineered solutions to the markets we serve. Building on the heritage of Glenn Curtiss and the Wright brothers, Curtiss-Wright has a long tradition of providing innovative solutions through trusted customer relationships. For more information, visit [www.curtisswright.com](http://www.curtisswright.com).

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