



## NEWS RELEASE

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FOR IMMEDIATE RELEASE

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### **RUGGED EW WIDEBAND DRFM, ADC/DAC TRANSCEIVER AND FPGA PROCESSING SOLUTIONS DISPLAYED BY CURTISS-WRIGHT AT AOC 2015**

#### **Features In-Booth Demonstration of the 12 GSPS CHAMP-WB-DRFM Quick Start Kit and the Compact 3U 2-4GSPS VPX3-530 Wideband DRFM System**

**AOC International Symposium (Booth #134), Washington, D.C. – December 1-3, 2015** – Curtiss-Wright Corporation today announced that its Defense Solutions division will display its latest industry leading commercial-off-the-shelf (COTS) solutions designed for use in demanding EW and SIGINT C4ISR defense and aerospace applications at the **52nd Annual AOC International Symposium and Convention**. At AOC, Curtiss-Wright will highlight open architecture solutions for EW and sensor processing, including its extensive family of Xilinx® Virtex®-7 FPGA-based high performance ADC/DAC VPX modules. In-booth demonstrations will present the CHAMP-WB-DRFM Wideband Quick Start Kit (QSK) and the 2-4GSPS ADC/DAC VPX3-530 module in a rugged MPMC-9321 chassis.

#### **In-Booth Demos:**

- **CHAMP-WB-DRFM Wideband Quick Start Kit (QSK):**  
This demo will feature the QSK for Curtiss-Wright's CHAMP-WB-DRFM Wideband module. It will include the sampling and generating of Radar and QPSK patterns at 12 GS/s. The QSK system enables the capture, generation, loopback, analysis and display of signals up to 6 GHz.
- **2-4GSPS ADC/DAC VPX3-530 Module in a Rugged MPMC-9321 Chassis:**  
The VPX3-530 FPGA Module is a 2-4GSPS ADC/DAC transceiver card that features a Virtex-7 FPGA to deliver high analog I/O channel density, multi-GSPS speed and multi-board synchronization in a small rugged form factor. This demo will show the VPX3-530 capturing signals, with results displayed in the time or frequency domain. The module's DRFM capabilities will be demonstrated by generating a CHIRP waveform from a DAC output, capturing the chirp, delaying it by a user-programmable delay period, and then capturing the delayed waveform. The VPX3-530 works with the DRS Technologies SI-9170A/CC Microwave Tuner, a compact 3U VPX module that converts RF input signals in the 70 MHz to 18.25 GHz range to an IF signal. The modules are housed in a MPMC-932x Mission Computer that integrates wide bandwidth ADCs and DACs, FPGA-based signal processing, and an Intel® Core™i7 SBC.

### **Virtex-7 6U VPX FPGA Products on Display:**

- **CHAMP-WB-DRFM:** This DRFM card set combines 12 GS/x 8-bit ADC technology and 12 GS/s 10-bit DAC technology from Tektronix with Curtiss-Wright's CHAMP-WB 6U OpenVPX™ Xilinx Virtex-7 FPGA processing engine to deliver an extremely high performance wide-band DRFM system.
- **CHAMP-WB-A25G:** Couples the dense processing resources of a single large Xilinx Virtex-7 FPGA with high-bandwidth 25 GS/s 8-bit ADC technology from Tektronix in a commercial grade 6U OpenVPX module.
- **CHAMP-WB-D25G:** Couples the dense processing resources of a single large Xilinx Virtex-7 FPGA with high-bandwidth 25 GS/s 10-bit DAC technology from Tektronix in a commercial grade 6U OpenVPX (VITA 65) form factor module.
- **CHAMP-FX4:** Curtiss-Wright's flagship user-programmable FPGA computing module combines three large Xilinx Virtex-7 FPGAs with over 12 GB of memory resources, designed to meet the needs of challenging embedded high-performance digital signal and image processing applications.
- **VPX3-530:** Couples the dense processing resources of a single large Xilinx Virtex-7 FPGA with high-bandwidth, high resolution dual 4 GS/s 12-bit ADC technology from Texas Instruments and dual 2.8 GS/s (5.6 interpolated) 14-bit DAC technology from Analog Devices in a compact and rugged 3U OpenVPX (VITA 65) form factor module.

For more information about Curtiss-Wright Defense Solutions modules and systems for EW and SIGINT C4ISR applications please visit [www.curtisswrightds.com](http://www.curtisswrightds.com).

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

Curtiss-Wright Corporation is a global innovative company that delivers highly engineered, critical function products and services to the commercial, industrial, defense and energy markets. Building on the heritage of Glenn Curtiss and the Wright brothers, Curtiss-Wright has a long tradition of providing reliable solutions through trusted customer relationships. The company employs approximately 9,000 people worldwide. For more information, visit [www.curtisswright.com](http://www.curtisswright.com).

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