



## Mercury Systems Unveils First SpectrumSeries OpenRFM-Compliant Microwave Transceiver

November 28, 2017

### **Rugged, ultra-wideband transceiver built with scalable open system architectures drives the lowest total cost of ownership for electronic warfare applications**

ANDOVER, Mass., Nov. 28, 2017 (GLOBE NEWSWIRE) -- Mercury Systems, Inc. (NASDAQ:MRCY) ([www.mrcy.com](http://www.mrcy.com)) today announced the new SpectrumSeries™ RFM3101 ultra-wideband microwave transceiver at the 54<sup>th</sup> Annual AOC International Symposium & Convention in Washington, DC. Designed in accordance with OpenVPX™ standards, Mercury's new product integrates OpenRFM™-compliant receiver and transmitter building blocks with versatile local oscillator (LO) circuitry to deliver exceptional phase noise and high dynamic range performance. The rugged RFM3101 transceiver, Mercury's first OpenRFM product in a compact 3U form factor, provides affordable, full spectrum coverage for today's most advanced electronic protection and electronic attack applications.

OpenRFM is a modular open systems architecture tailored to the requirements of the analog domain. By introducing standard electromechanical, control plane, thermal interfaces and software it streamlines the design and integration of digital and analog capabilities in the same device. Fully compatible with OpenVPX standards, OpenRFM is ideally suited for electronic warfare (EW) applications. Mercury's new SpectrumSeries microwave transceiver delivers state-of-the-art EW capabilities to military forces today, and its OpenRFM architecture guarantees cost-effective and rapidly-deployed performance enhancements in the future.

In contrast to products built with microwave technology that utilize custom form factors, Mercury's simultaneous implementation of both OpenVPX and OpenRFM standards enables a modular, low-risk plug-and-play upgrade path to maintain best-of-breed spectral efficiency. By replacing only performance-limiting components and not entire modules or systems, defense prime contractors can lower the total system cost of ownership over the lifetime of a military program. At the same time, US military forces around the globe receive earlier access to the latest microelectronics advances required to counter adversaries competing for dominance over the electromagnetic spectrum.

"The rapid changes occurring in today's unpredictable threat environment demand the most agile microelectronics," said Charlie Hudnall, Vice President and General Manager of Mercury's Embedded Sensor Processing group. "We have an obligation to equip our warfighters with the most sophisticated solutions as they encounter and engage adversaries on the electromagnetic battlefield. The US warfighter and defense prime contractors can count on Mercury to continue pioneering forward-looking EW capabilities using open architectures without sacrificing affordability, performance or scalability."

Available in both air-cooled and conduction-cooled variants, the new microwave transceiver offers direct digitization up to 6 GHz and operates with guaranteed performance over a frequency range spanning from 6 to 18 GHz with 1 GHz of instantaneous bandwidth. SpectrumSeries products are also fully compatible with the Company's EnsembleSeries™ of digitization and processing modules. Both SpectrumSeries and EnsembleSeries products are designed and supported by a highly skilled engineering team in Huntsville, Ala. The Company's domestic Advanced Microelectronics Centers provide affordable, long-term supply continuity in secure and trusted manufacturing environments.

Mercury will be demonstrating the new SpectrumSeries RFM3101 product at the AOC conference in Washington, DC. For application assistance, more product information, or purchase inquiries for the SpectrumSeries RFM3101 transceiver, customers can visit [www.mrcy.com/RFM3101](http://www.mrcy.com/RFM3101) or contact Mercury at (866) 627-6951 or [RFMicrowave@mrcy.com](mailto:RFMicrowave@mrcy.com).

### **Mercury Systems – Innovation That Matters™**

Mercury Systems (NASDAQ:MRCY) is a leading commercial provider of secure sensor and safety-critical processing subsystems. Optimized for customer and mission success, Mercury's solutions power a wide variety of critical defense and intelligence programs. Headquartered in Andover, Mass., Mercury is pioneering a next-generation defense electronics business model specifically designed to meet the industry's current and emerging technology needs. To learn more, visit [www.mrcy.com](http://www.mrcy.com).

### **Forward-Looking Safe Harbor Statement**

This press release contains certain forward-looking statements, as that term is defined in the Private Securities Litigation Reform Act of 1995, including those relating to the products and services described herein. You can identify these statements by the use of the words "may," "will," "could," "should," "would," "plans," "expects," "anticipates," "continue," "estimate," "project," "intend," "likely," "forecast," "probable," "potential," and similar expressions. These forward-looking statements involve risks and uncertainties that could cause actual results to differ materially from those projected or anticipated. Such risks and uncertainties include, but are not limited to, continued funding of defense programs, the timing and amounts of such funding, general economic and business conditions, including unforeseen weakness in the Company's markets, effects of continued geopolitical unrest and regional conflicts, competition, changes in technology and methods of marketing, delays in completing engineering and manufacturing programs, changes in customer order patterns, changes in product mix, continued success in technological advances and delivering technological innovations, changes in, or in the U.S. Government's interpretation of, federal export control or procurement rules and regulations, market acceptance of the Company's products, shortages in components, production delays or unanticipated expenses due to performance quality issues with outsourced components, inability to fully realize the expected benefits from acquisitions and restructurings, or delays in realizing such benefits, challenges in integrating acquired businesses and achieving anticipated synergies, increases in interest rates, changes to export regulations, increases in tax rates, changes to generally accepted accounting principles, difficulties in retaining key employees and customers, unanticipated costs under fixed-price service and system integration engagements, and various other factors beyond our control. These risks and uncertainties also include such additional risk factors as are discussed in the Company's filings with the U.S. Securities and Exchange Commission, including its Annual Report on Form 10-K for the fiscal year ended June 30, 2017. The Company cautions readers not to place undue reliance upon any such forward-looking statements, which speak only as of the date made. The Company undertakes no obligation to update any forward-looking statement to reflect events or circumstances

after the date on which such statement is made.

*Contact:*

Robert McGrail, Director of Corporate Communications

Mercury Systems, Inc.

+1 978-967-1366 / [rmcgrail@mrco.com](mailto:rmcgrail@mrco.com)

Mercury Systems, Innovation That Matters, SpectrumSeries, OpenRFM, and EnsembleSeries are trademarks of Mercury Systems, Inc. Other product and company names mentioned may be trademarks and/or registered trademarks of their respective holders.

 [Primary Logo](#)

Source: Mercury Systems Inc