

Photo Release -- Kratos RT Logic Ships New 250 MHz Bandwidth RF Channel Simulator for Satellite Wideband Signal Assurance

Essential Test & Training Equipment for High-Capacity Net-centric, Data, Image and Video Signals

SAN DIEGO, June 11, 2012 (GLOBE NEWSWIRE) -- Kratos Defense & Security Solutions, Inc. (Nasdaq:KTOS), a leading National Security Solutions provider, announced today that its RT Logic subsidiary has launched its newest, most powerful and widest bandwidth RF Channel Simulator. Now shipping, the 250 MHz T400CS Wideband Channel Simulator precisely replicates the real-time RF conditions that can be expected in wideband SATCOM, aircraft, missile, and UAV missions. Its use in testing and training applications can prevent expensive and dangerous mission communication failures.

A photo accompanying this release is available at <http://www.globenewswire.com/newsroom/prs/?pkgid=13201>

The T400CS is a hardware-in-the-loop instrument that can be quickly inserted between modems, receivers and transmitters, or other communications devices. It recreates the exact, real world, complex RF signal conditions that will exist between these communications devices when they will be in motion or separated by distance. The T400CS can simulate unintentional interference or deliberate jamming that can be expected on live mission flights. Because it can simulate a wide range of nominal and worst case RF signal scenarios, the T400CS can dramatically cut costs and reduce risk by enabling ground-based hardware-in-the-loop testing prior to operational missions and live fire testing. The T400CS enables thorough test coverage for demanding wideband commercial, government, and military uses that require high-capacity throughputs, such as broadband IP and broadcast quality video.



T400CS Wideband Channel Simulator

The [T400CS](#) is the latest addition to RT Logic's established family of Channel Simulators and is already being used in the field by customers including O3b Networks, whose fleet of commercial satellites is designed to provide voice and Internet coverage to the 3 billion people throughout emerging markets in Africa, South America, and Asia. Given the complex architecture of its next generation network with a large number of satellites, their rate of movement, the required handoff between satellites and ground stations, and high data rates, O3b Networks was able to test and ensure the continuous operation of ground stations under all conditions, prior to live flight. "O3b has validated throughput and seamless handover for its MEO satellite services using an advanced Channel Simulation capability from RT Logic," said Gary Mattie, Chief Ground System Engineer for O3b Networks.

"The RT Logic 250MHz Wideband Channel Simulator, including phase coherent Doppler Shift, variable propagation delay, and dynamic amplitude profiles, has been invaluable to O3b's performance verification test campaign. RT Logic makes the widest bandwidth, most realistic channel simulation products available, and their engineering team has been very responsive to our needs," added Mattie.

The T400CS creates physics-compliant, phase-continuous signals by receiving a wideband input signal and applying dynamic time delay, carrier and signal Doppler shift, path loss, additive white Gaussian noise (AWGN) and interference. The resulting output signal is indistinguishable from an actual signal received from a distant and/or moving transmitter, providing complete transmitter and receiver test and characterization in the lab, under any signal conditions imaginable.

"Commercial, government and military communications systems are under urgent pressure from rapidly increasing data, image and video bandwidth needs, particularly in network centric, intelligence, surveillance and reconnaissance applications," said Steve Williams, Business Area Manager of RT Logic's Signal Instrumentation Solutions. "Devices utilized in these systems, especially modems and general receiver/transmitter subsystems, must be thoroughly proven under a wide variety of signal conditions, and must be resilient to interference. The 250 MHz T400CS plays a critical role in this communications assurance."

Other members of RT Logic's Channel Simulator line include 85 MHz and 40 MHz bandwidth units. RT Logic is a leading provider of innovative products for ground stations, satellite test equipment and satellite operations. RT Logic's products are utilized on over 90% of America's space missions.

The T400CS Wideband Channel Simulator will be demonstrated at RT Logic's booth # 124 at the International Microwave

Symposium in Montreal, June 19-21, 2012, and at booth # 1R1-01 at CommunicAsia in Singapore, June 19-22, 2012. For more information on the Wideband T400CS, please visit www.RTLogic.com/ds-t400cs.php.

About Kratos Defense & Security Solutions

Kratos Defense & Security Solutions, Inc. (Nasdaq:KTOS) is a specialized National Security technology business providing mission critical products, services and solutions for United States National Security priorities. Kratos' core capabilities are sophisticated engineering, manufacturing and system integration offerings for National Security platforms and programs. Kratos' areas of expertise include Command, Control, Communications, Computing, Combat Systems, Intelligence, Surveillance and Reconnaissance (C5ISR), satellite communication systems, unmanned systems, cyber warfare, cybersecurity, information assurance, critical infrastructure security and weapons systems sustainment. Kratos has primarily an engineering and technical oriented work force of approximately 4,100, many of whom hold an active National Security clearance, including Secret, Top Secret and higher. The vast majority of Kratos' work is performed on a military base, in a secure facility or at a critical infrastructure location. Kratos' primary end customers are United States Federal Government agencies, including the Department of Defense, classified agencies, intelligence agencies and Homeland Security related agencies. News and information are available at www.KratosDefense.com.

The Kratos Defense & Security Solutions, Inc. logo is available at <http://www.globenewswire.com/newsroom/prs/?pkgid=3519>

Notice Regarding Forward-Looking Statements

Certain statements in this press release may constitute "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995. These forward-looking statements are made on the basis of the current beliefs, expectations and assumptions of the management of Kratos and are subject to significant risks and uncertainty, including risks related to product failure, general economic conditions and cutbacks in spending. Investors are cautioned not to place undue reliance on any such forward-looking statements. All such forward-looking statements speak only as of the date they are made, and Kratos undertakes no obligation to update or revise these statements, whether as a result of new information, future events or otherwise. For a further discussion of risks and uncertainties that could cause actual results to differ from those expressed in these forward-looking statements, as well as risks relating to the business of Kratos in general, see the risk disclosures in the Annual Report on Form 10-K of Kratos for the year ended December 25, 2011, and in subsequent reports on Forms 10-Q and 8-K and other filings made with the SEC by Kratos.

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