

F O R . I M M E D I A T E . R E L E A S E

Spectrum to Demonstrate Rugged SATCOM Embedded Radio Module at CANSEC 2008

Spectrum to showcase the first variant of the SDR-4800 family of Embedded Rugged Radio Modules featuring an Integrated RF and SoC (System-On-Chip) technologies targeted for deployment in harsh environments

Burnaby, B.C., Canada – April 3, 2008 - Spectrum Signal Processing by Vecima ("Spectrum"), a provider of software defined radio (SDR) technology, today announced that it will conduct a live demonstration of the *flexComm*™ SDR-4803 SATCOM Embedded Radio Module at Booth #727 during CANSEC in Ottawa, Ontario, April 9-10, 2008. The SDR-4803 is designed for use in defense and civil satellite communications (SATCOM) systems and is the first variant of the SDR-4800 family of Embedded Radio Modules. The demonstrator module integrates a high-performance RF front-end with digital modem processing into a single card making it ideal for size, weight, and power constrained applications such as SATCOM-on-the-Move (SOTM) terminals.

"Spectrum recognizes that each communications program is unique and that standard commercial off-the-shelf (COTS) solutions may not readily meet all deployment needs of a specific program," commented Mark Briggs, VP of Marketing at Spectrum. "By combining rapid customization capabilities with our best-in-class application services, Spectrum can provide a tailored solution that meets our customers' specific program needs. In addition to providing tailored technical solutions, Spectrum also offers flexible business models that match our customers' business needs."

"The SDR-4803 Demonstrator offers system developers an existing off-the-shelf radio design which can be incorporated into their concept system architecture," explains Cyrus Sy, Product Manager at Spectrum. "Spectrum can then tailor the hardware to meet specific RF, analog, digital baseband processing, and I/O requirements in as little as 90 calendar days. As a result, system developers will effectively be able to augment their in-house design teams and retire a significant level of technical and schedule risk. Furthermore, Spectrum's responsive technical support and comprehensive life cycle management services can support fielded systems throughout the long deployment phase typical of defense procurements."

Demonstration Overview

The demonstration features two rugged, conduction-cooled SDR-4803 Demonstrator modules each containing an embedded single channel RF stage and Field Programmable Gate Array (FPGA) SoC processor to transmit and receive a video and audio data stream at up to T1 speeds (1.5 Mbps) using an OFDM-based waveform. Additional information on the SDR-4803 SATCOM Embedded Radio Module Demonstrator can be found at www.spectrumsignal.com/products.

RF Tailored for SATCOM Applications

The SDR-4803 Demonstrator features an embedded single-input, single-output RF stage operating between 800 MHz and 2.4 GHz. This wide range covers the L-band IF frequencies typical in SATCOM applications with analog bandwidths up to 60 MHz. L-Band performance is comparable to standard off-the-shelf 1U rackmount L-Band RF block upconverters and downconverters but at a fraction of the size and power. The high-performance front-end offers superior noise performance required to run high-order modulation formats, such as 32 APSK. Furthermore, the modular design of the SDR-4800 allows Spectrum to rapidly customize the RF or analog section for other frequency bands such as HF and VHF/UHF.

Reducing Size, Weight and Power with FPGA System-On-Chip Technology

The SDR-4800 product family is built around Xilinx® FPGA SoC technology as the primary modem processor. The SDR-4803 Demonstrator uses a Virtex-4™ FX100, providing FPGA resources for channelization and other physical layer processing. The embedded 405GP general purpose processor (GPP) is intended for networking, security and payload data processing functions. Using a single chip combining an FPGA and GPP processor helps developers minimize the overall size and power consumption of the radio system.

Co-Processor Options to Optimize Waveform Partitioning

The SDR-4803 Demonstrator features a modem co-processor: a Texas Instruments TMS320C6455 digital signal processor (DSP). However, a variety of build options are available including FPGA, PowerPC™, or other custom application-specific integrated circuits (ASICs). A modem co-processor provides developers flexibility in finding the optimal mix of processing resources and to support legacy waveform code.

Ready for Integration into Rugged Communication Systems

The SDR-4803 Demonstrator hardware has several external peripheral interfaces for payload, control, and security processing. These external interfaces include IRIG-B, Gigabit Ethernet, Serial Port, USB, and digital general purpose I/O. In addition to on-board memory for the FPGA and DSP processor, the on-board Flash memory provides ample storage for all waveform and application binaries for fully embedded stand-alone operation. The rugged design of the SDR-4800 allows for operation in harsh environments, such as those with extended temperature range exposure, as well as shock and vibration requirements.

Simplify Waveform Development with Standards-Based Application Programming Interfaces (APIs) and Application Framework

The SDR-4803 demonstration features the Wind River® VxWorks® operating system. Other supported operating systems include Green Hills® INTEGRITY® and Linux. Developers can significantly reduce their integration and porting time of application software and waveforms through the use of standards-based hardware abstraction layers, such as Open Cores Protocol (OCP) on the FPGA or eXpressDSP™ on the DSP. Using standards-based APIs can significantly simplify platform programming and facilitate code portability. Customers requiring support for an industry-standard application framework can also request support for the Software Communications Architecture (SCA) and CORBA middleware.

Cost-Effective Deployments through Flexible Business Models

The SDR-4800 product family is designed for volume production. Depending on the exact hardware configuration and level of customization required, pricing for SDR-4800 radio modules start at under \$5,000 USD per unit. Other business models include manufacturing license agreements and comprehensive technology transfer license agreements.

View the Demonstration

Contact Spectrum today to view the SDR-4803 SATCOM Embedded Radio Module demonstration at Booth 727 during CANSEC, April 9-10, 2008 in the Ottawa Congress Centre, or to arrange an on-site demonstration at your facility.

ABOUT SPECTRUM SIGNAL PROCESSING BY VECIMA

Spectrum Signal Processing is a leading supplier of software defined platforms for defense electronics applications. Spectrum's products and services are optimized for military communications, signals intelligence, surveillance, electronic warfare, and satellite communications applications. Spectrum's integrated, application-ready products provide its customers with compelling time-to-market and performance advantages while mitigating program risk and cost parameters. Spectrum also provides applications engineering services and modified commercial-off-the-shelf platforms to the US Government, its allies and its prime contractors. For more information on Spectrum and its *flexComm* product line, please visit www.spectrumsignal.com. Spectrum is part of Vecima Networks Inc.

Vecima Networks Inc. ("Vecima") designs, manufactures and sells products that enable broadband access to cable, wireless and telephony networks. Vecima's hardware products incorporate original embedded software to meet the complex requirements of next-generation, high-speed digital networks. Service providers use Vecima's solutions to deliver services to a converging worldwide broadband market, including what are commonly known as "triple play" (voice, video and data) and "quadruple play" (voice, video, data and wireless) services. Vecima's solutions allow service providers to rapidly and cost-effectively bridge the final network segment that connects the system directly to end users, commonly referred to as "the last mile", by overcoming the bottleneck resulting from insufficient carrying capacity in legacy, last mile infrastructures. Vecima's products are directed at three principal markets: Data over Cable, Broadband Wireless and Digital Video. The Company has also developed and continues to focus on developing products to address emerging markets such as Voice over Internet Protocol, fiber to the home and IP video. For more information on Vecima, please visit www.vecimanetworks.com.

FORWARD-LOOKING SAFE HARBOUR STATEMENT

Certain statements in this news release may constitute forward-looking statements which involve known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievements of the Company, or industry results, to be materially different from any future results, performance or achievements expressed or implied by such forward-looking statements. When used in this news release, such statements are generally identified by the use of such words as "may", "will", "expect", "believe", "plan", "intend" and other similar terminology. These statements reflect Vecima's current expectations regarding future events and operating performance and speak only as of the date of this news release. Forward-looking statements involve significant risks and uncertainties, should not be read as guarantees of future performance or results, and will not necessarily be accurate indications of whether or not such results will be achieved. A number of factors including, but not limited to, the factors discussed under "Risk Factors" in the Company's Annual Information Form dated September 25, 2007 available on SEDAR (www.sedar.com), could cause actual results to differ materially from the results discussed in the forward-looking statements. Although the forward-looking statements contained in this news release are based upon what management of the Company believes are reasonable assumptions, the Company cannot assure investors that actual results will be consistent with these forward-looking statements. These forward-looking statements are made as of the date of this news release, and the Company assumes no obligation to update or revise them to reflect new events or circumstances.

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