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RT LOGIC ANNOUNCES S-BAND FREQUENCY CONVERTER AVAILABILITY

Flexible and Economical Modules for Satellite Ground, Flight Range & STE Applications

Colorado Springs, CO, November 24, 2008 -- RT Logic, a wholly owned subsidiary of Integral Systems, Inc. ([NASDAQ-ISYS](#)), today announced the availability of their frequency agile S-Band* Frequency Converter modules (*includes upper L-Band). The modules support frequency agile up or downconversion between 1650 MHz to 2400 MHz and a 70 MHz Intermediate Frequency (IF). The modules are designed for use within RT Logic's Telemetry 400FC Frequency Converter (T400FC) product offering and are easily combined with RT Logic's other signal processing and modem products. The S-Band Frequency Converter modules are hot-swappable and occupy only one slot within the T400FC system.

The T400FC is a modular frequency conversion solution designed for satellite ground, flight range and special test equipment (STE) applications where availability, size/weight, power, and life-cycle cost are critical. It performs multi-channel frequency up/downconversion at a number of RF bands. The T400FC is populated with the combination of individual up/downconverter modules selected specifically for the application. The T400FC employs interchangeable, hot-swappable modules enabling field reconfiguration and maintenance without link downtime.

The T400FC hardware can be configured for single or multi-band operations in frequency ranges that include L, S, C, X, Ku, and Ka. Depending on RF uplink/downlink requirements and the number of independent propagation paths, the T400FC is offered in a 1U, 2U, or 5U form factor chassis. All three chassis versions enable instrument control via a user-supplied keyboard, monitor, and mouse, or remotely via RS-485 or an Ethernet connection. The 1U and 2U versions are equipped with a simple front-panel push button and LCD (Liquid Crystal Display) interface for control and status. Other optional features for the T400FC are a Digital Spectrum Analysis (DSA) capability, Modulated Signal Generator, Satellite Channel Simulator, and RF-over-fiber.

"Our new S/L-band tunable frequency converter modules offer unprecedented frequency coverage in a small form factor as an off-the-shelf product." commented Bill Sward, Product Manager for the T400FC. "Further, we offer delivery lead times significantly shorter than traditional providers."