

## **RFM News Release**

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### **RF MONOLITHICS, INC. IS THE LOW-POWER RF TRANSCEIVER OF CHOICE FOR STATSIGNAL'S PATENTED WIRELESS AUTOMATED METER READING SOLUTION**

**August 21, 2003, Dallas, Texas** - RF Monolithics, Inc. (RFM) (NASDAQ: RFMI) announced its Virtual Wire® product is the low-power RF transceiver of choice for StatSignal Systems, Inc.'s (StatSignal) Two-way fixed MESH "Pocket Network™" solution. Utilizing RFM's Virtual Wire® product, StatSignal has designed a flexible, scalable, and cost-effective Two-way Fixed MESH Pocket Network system. This integrated solution provides utilities a wireless end-to-end network for the acquisition, transportation, management and delivery of meter data and other two-way information-centric applications, such as load control and usage management.

Low-power RF wireless mesh technology is the catalyst for these key utility business imperatives. StatSignal, a pioneer in the field of low power RF wireless mesh networks, has refined RF wireless mesh network architecture by developing, patenting, and bringing to market a new way for electric, water and gas utilities to communicate and connect with their customers. The result is a cost effective and proven two-way fixed automated meter reading (AMR) solution.

"Our collaboration with RF Monolithics, Inc. over the past 4 plus years with the integration of their Low-Power Virtual Wire® RF Transceiver into our product offering has been a key catalyst to our successful development, pilot deployments, and commercialization of StatSignal's MESH Fixed Two-way AMR solution. The integration of RFM's low-power RF technology into our AMR solution allows us to provide the metering industry a cost compelling solution for utilities implementing advanced metering to their residential and commercial customers. Utilities can now provide the highest levels of customer service and a new range of energy related offerings," according to David Petite, President and founder of StatSignal. Mr. Petite stated further, "The exceptional low-power consumption of the RFM Virtual Wire® RF transceiver is one of the main reasons we chose RFM as a best in class transceiver supplier. This makes a big difference for our battery powered water meter and capacitor charge powered electric meter power outage alarm functions"

"We are pleased to provide our enabling technologies for this revolutionary AMR solution and to be associated with StatSignal, a truly innovative company," stated David M. Kirk, President and Chief Executive Officer of RFM. Mr. Kirk further stated, "This newest application of our Virtual Wire® product is exciting for several reasons, but especially due to our strategy to expand further in the growing AMR market. We believe our Virtual Wire® products represent the lowest power consumption solution available for this application and we will continue to support the expanding functionality requirements of the AMR market."

### **The MESH Fixed Two-way AMR Solution**

Building off StatSignal's patented "to and through" low-power RF communication protocol, the solution enables low cost data acquisition and control via proven two-way communication technologies. This is done by simply embedding the StatSignal iMODULE™ circuitry (which includes RFM's Virtual Wire® transceiver) and protocol into each end device such as a meter or load control switch, etc. These end devices, known as SensNODES™, along with a network orchestrating and data-compiling device called an AiNODE™, make up the StatSignal Pocket Network (LAN). The AiNODE™

is also the transition point where the data is moved back and forth from the Pocket Network™ via a Wide Area Network (WAN) to the Data Center entry point, based on industry standard TCP/IP and UDP protocol. Access to data is available through a web browser and enables users to:

- Perform scheduled and on demand reads for bill validation, move-in/move-out reads, etc.
- Offer remote programming and upgrades of network devices.
- Send control signals and other messages to the customer or end point device, to allow utilities and customers more flexible load control options.
- Collect monthly, daily, or hourly data from every customer meter.
- Inform customers of pricing.
- Contribute to a utility company's operational efficiency through power outage reporting, restoration mapping, tamper detection and time-of-use (TOU) metering.
- Disburse data to distribution, engineering, planning and other utility departments.
- Enable end-use customer value-added services such as security, water conservation monitoring, and smart HVAC thermostat for load control.

Each device in StatSignals Pocket Network™ acts as a repeater or router, relaying traffic for every other device. Traffic hops from device to device along a full two-way, redundant mesh until it reaches the nearest AiNODE™. Since each device in the Pocket Network has StatSignal's self correcting and self routing communication protocol embedded inside, data and commands are able to migrate from device to device and be automatically rerouted as required to respond to changing network environment and possible interferences. By having the devices serve as the network, you obtain dynamic, non-line of sight communication along with lower cost infrastructure.

### **The Virtual Wire® Product**

Virtual Wire® products are fully functional radio frequency (RF) transmitters, receivers and transceivers based on proprietary amplifier-sequenced hybrid (ASH) radio architecture. This architecture integrates RF ICs with surface acoustic wave (SAW) filtering and frequency control devices in a single hybrid package which greatly simplifies and accelerates RF design tasks. No external RF filters, intermediate frequency (IF) filters, resonators or crystals are required. All critical interconnections between the IC and the filtering and frequency control devices are implemented in the self-shielding hybrid package. ASH radios are optimized for a given application by selecting non-

critical base-band and antenna tuning components. RFM's Virtual Wire® product line has been developed to support products manufactured each year that utilize low-power wireless technology for data links, telemetry, control and security. New applications for low-power wireless connectivity are emerging continuously and the potential for these applications are limited only by the customers' imagination.

### **About RFM**

RFM, headquartered in Dallas, Texas, is a leading developer, manufacturer and supplier of a broad range of radio frequency components, and modules based on surface acoustic wave technology for the automotive, telecommunication, industrial, consumer, medical and distribution markets worldwide. Find out more about RFM please visit [www.rfm.com](http://www.rfm.com).

### **About StatSignal**

Founded in 1994, StatSignal Systems, Inc. is a privately held R&D and Technology Licensing company focused in the area of low power RF wireless mesh networking and Internet related technology. The company holds several patents in the area of wireless sensory data migration “to and through” distinct devices and allowing internet accessibility to data and control of said devices. Over the past four years, the company has focused on applying its patented technology to the commercialization of a disruptively simple and cost effective AMR solution to meet the Utility Industry's growing and increasingly demanding Customer Service, Operational, and Value Added Service needs. For more information about StatSignal, please visit [www.statsignal.com](http://www.statsignal.com).

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*This press release may contain certain forward-looking statements (as defined under Federal securities laws) regarding either company's performance, including future revenues, products and income, or events or developments that*

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