RFM News Release

Media Contacts: Sissy Toney, 972-789-3824
Director, Marketing Communications
RFM
stoney@rfm.com

Investor Contacts: Jim Blackman, 713-256-0369
PR Financial Marketing, LLC
jim@prfmonline.com

Carol Bivings, 972-448-3767
Director, Investor Relations
RFM
bivings@rfm.com

RFM LAUNCHES BEST-IN-CLASS 2.4 GHz RFIC TRANSCEIVER

Lowest Overall Power Consumption Combined with Highest Receiver Sensitivity Plus Other Key Features Make the New RFM TRC104 the Best Among Comparable RFICs

DALLAS, TEXAS, (October 22, 2008) RF Monolithics, Inc. (RFM. [NASDAQ: RFMI]) today adds a new short-range RF Integrated Circuit (RFIC) transceiver radio to its extensive line of short-range radios – the TRC104. Optimized for wireless solutions in the unlicensed industrial, scientific and medical (ISM) frequency bands where low power consumption to enhance battery life is of prime importance, the new RFM TRC104 is ideal for enabling two-way wireless communications in a wide range of applications including residential and commercial security, active RFID, medical telemetry, industrial and consumer computer peripherals, and consumer electronics.

"The hallmark of RFM's reputation is delivering the absolute lowest power RF products in the market, whether it's RF OEM modules and boxed radios, RF components, or subsystem short-

range radios like the new TRC104," said Farlin Halsey, RFM Vice President of Product Marketing. "With the release of the new TRC104, RFM further secures its solid reputation for delivering best-in-class low-power radio products."

Best-in-Class Features

Demonstrating its best-in-class leadership, the RFM TRC104 offers original equipment manufacturers (OEMs) the following benefits:

1) Extended battery life and reduced overall current consumption. When transmitting at its maximum data rate of 1 Mb/s, the new RFM TRC104 operates at the lowest combined power consumption among comparable RFICs: 13 mA @ 0 dBm TX supply current, 18.6 mA RX supply current, and 400 nA sleep current.
2) Optimal communications performance. In addition to lowest overall power consumption, the new RFM TRC104 also delivers *typical* receiver sensitivity of -95 dBm at 250 kb/s data rate and -90 dBm at 1 Mb/s data rate.
3) Easy design-in. The RFM TRC104 utilizes 20-35% fewer external components than most RFICs - only a microcontroller, crystal and a few passive components are needed to create a complete, robust radio function. The RFM TRC104 doesn't compromise size either – it comes in a compact 4 X 4 mm TQFN-24 package which is the smallest package among all RFICs that transmit at 2.4 GHz. TRC104 is also the only RFIC to feature both Digital and Analog RSSI which makes the design-in process quick and simple across a broad range of RF design environments.
4) Low cost. With its published price of $1.91 per 1,000 units, combined with its low external component count, the RFM TRC104 affords OEMs the lowest overall bill-of-materials

(BOM) costs than any other RFIC in the market (discount pricing is available for volumes higher than 1,000 units.)

The TRC104 also includes a development kit to help design engineers fast track their designs. The DR-TRC104-2400-DK includes (2) TRC104 RFICs, (2) TRC104 development boards, (2) USB 2.0 cables, (2) 2xAA battery packs, (4) AA batteries, (2) 9 V batteries, (2) antennas with standard SMA connector, (2) universal power supplies, and a program CD containing RFM design assistant program and product manual. The DR-TRC104-2400-DK developer kit (priced at $280 each) will be available by the end of October from RFM distributors ACAL, Avnet, Digi-Key, Mouser Electronics, and Nu Horizons, and by order from its world-wide network of stocking reps / distributors outside of North America.

The RFM TRC104 is certifiable for unlicensed operation in the USA, Canada and Europe, complies with Directive 2002/95/EC (RoHS).

About RFM

RFM, headquartered in Dallas, Texas, is a provider of solutions-driven, technology-enabled wireless connectivity for a broad range of wireless applications – from individual standard and custom components to modules for comprehensive industrial wireless sensor networks and machine-to-machine (M2M) technology. For more information on RFM, please visit the Company's website at www.RFM.com.

Forward-Looking Statements

This news release contains forward-looking statements, made pursuant to the Safe Harbor Provision of the Private Securities Litigation Reform Act of 1995, that involve risks and uncertainties. Statements of the strategies, plans, objectives, expectations and intentions of RFM and/or its wholly-owned subsidiaries (collectively, the “Company” or “we”) involve risks and uncertainties. Statements containing terms such as “believe”, “expect”, “plan”, “anticipate”, “may” or similar terms are considered to contain uncertainty and are forward-looking statements. Such statements are based on information available to management as of the time of such statements and relate to, among other things, expectations of the business environment in which we operate, projections of future performance, perceived opportunities in the market and statements regarding our mission and vision, future financial and operating results, and benefits of our acquisitions. Such statements are not guarantees of future performance and involve certain risks, uncertainties and assumptions, including risks related to the ability to integrate acquisitions and alliances as planned, successful transition to a fabless business model, the highly competitive market in which we operate, rapid changes in technologies that may displace products sold by us, declining prices of products, our reliance on distributors, delays in product development efforts, uncertainty in consumer acceptance of our products, and changes in our level of sales or profitability. as well as the other risks detailed from time to time in our SEC reports, including the report on Form 10-K for the year ended August 31, 2007. We do not assume any obligation to update any information contained in this release.

# # #