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RFMD(R) Releases Industry's First 5.8 GHz ISM Band Transceiver With Integrated Power Amplifier

First RFMD Product To Incorporate Company's Proprietary FastWave(TM) Microcontroller Technology

ATLANTA, June 17 /PRNewswire-FirstCall/ -- RF Micro Devices, Inc. (Nasdaq: RFMD), a global leader in the design and manufacture of high-performance semiconductor components, today released the industry's first 5.8 GHz ISM band transceiver with an integrated power amplifier. The ML5805 is a low-IF, frequency shift key (FSK) transceiver designed for operation in the license-free 5.8 GHz ISM band. Proprietary point-to-point and point-to-multi-point radios using 5.8 GHz ISM band transceivers are increasingly being implemented in consumer applications such as wireless audio, wireless video and data connectivity.

The ML5805 integrates the power amplifier (PA) and low noise amplifier (LNA) with the transceiver architecture onto a single chip. The ML5805's unique design provides radio designers industry-leading ease-of-implementation and a minimal external bill-of-materials (BOM) count as well as improved time-to-market for original equipment manufacturers (OEMs). Additionally, the ML5805 provides radio designers the flexibility to optimize each application by offering five, digitally selectable data rates ranging from 576 Kbps up to 2.048 Mbps. The variable data rate capability of the ML5805 allows it to serve a broad range of applications and further accelerates OEM time-to-market by enabling broadly applicable 5.8 GHz radio platforms.

The ML5805 is RFMD's first product to incorporate the Company's proprietary FastWave™ microcontroller technology, which improves performance through value-add features including self-alignment of the low-IF receiver and phase locked loop (PLL) detection and control. FastWave™ also provides flexible user-specific application configurations by allowing modifications via a three-wire serial interface to transceiver control, calibration and interface algorithms. With the implementation of FastWave™, the ML5805 allows customers to eliminate the cumbersome mass production tuning process necessary with competing transceiver solutions.

Alastair Upton, general manager of RFMD's Broadband and Consumer Business Unit, said, "As the industry's first 5.8GHz ISM band transceiver to integrate the power amplifier, the ML5805 eases implementation for radio designers and accelerates time-to-market for OEMs. Also, with the implementation of our proprietary FastWave™ microcontroller technology, the ML5805 delivers incremental benefits to designers and OEMs in time savings and simplified design. The ML5805 improves upon the performance characteristics of our popular ML5800 and is designed to target a significantly expanded range of data rate applications."

The ML5805 improves upon the successful ML5800, which has enjoyed favorable design activity into multiple proprietary wireless connectivity applications, including wireless speaker applications by Eleven Engineering. RFMD® will demonstrate a high-performance Eleven Engineering audio application in its booth at the 2008 IEEE International Microwave Symposium (IMS 2008).

Technical features of the ML5805 include:

- Integrated PA delivering +21 dBm typical output power
- Improved receive (Rx) sensitivity to -97 dBm at 0.1% bit error rate (BER)
- Improved fractional-N synthesizer performance with 30Hz resolution
- Three-wire serial control interface
- Self-Calibrating VCO and filters that eliminate tuning using FastWave™ microcontroller technology

The ML5805 is packaged in a 6 x 6 x 1 mm, 40-pin QFN package with samples available immediately and pre-production quantities available in the third quarter of this year.

RFMD will showcase its industry-leading portfolio of high-performance semiconductor components at the IEEE MTT-S International Microwave Symposium 2008, June 17-19, at the Georgia World Congress Center in Atlanta, Georgia, in Booth 1311.

About RFMD: RF Micro Devices, Inc. (Nasdaq: RFMD) is a global leader in the design and manufacture of high-performance semiconductor components. RFMD's products enable worldwide mobility, provide enhanced connectivity and support advanced functionality in the cellular handset, wireless infrastructure, wireless local area network (WLAN), CATV/broadband and aerospace and defense markets. RFMD is recognized for its diverse portfolio of semiconductor technologies and RF systems

expertise and is a preferred supplier to the world's leading mobile device, customer premises and communications equipment providers.

Headquartered in Greensboro, N.C., RFMD is an ISO 9001- and ISO 14001-certified manufacturer with worldwide engineering, design, sales and service facilities. RFMD is traded on the NASDAQ Global Select Market under the symbol RFMD. For more information, please visit RFMD's web site at www.rfmd.com.

This press release includes "forward-looking statements" within the meaning of the safe harbor provisions of the Private Securities Litigation Reform Act of 1995. These forward-looking statements include, but are not limited to, statements about our plans, objectives, representations and contentions and are not historical facts and typically are identified by use of terms such as "may," "will," "should," "could," "expect," "plan," "anticipate," "believe," "estimate," "predict," "potential," "continue" and similar words, although some forward-looking statements are expressed differently. You should be aware that the forward-looking statements included herein represent management's current judgment and expectations, but our actual results, events and performance could differ materially from those expressed or implied by forward-looking statements. We do not intend to update any of these forward-looking statements or publicly announce the results of any revisions to these forward-looking statements, other than as is required under the federal securities laws. RF Micro Devices' business is subject to numerous risks and uncertainties, including variability in quarterly operating results, the rate of growth and development of wireless markets, risks associated with our planned exit from our wireless systems business, including cellular transceivers and GPS solutions, the risk that restructuring charges may be greater than originally anticipated and that the cost savings and other benefits from the restructuring may not be achieved, risks associated with the operation of our wafer fabrication facilities, molecular beam epitaxy facility, assembly facility and test and tape and reel facilities, our ability to complete acquisitions and integrate acquired companies, including the risk that we may not realize expected synergies from our business combinations, our ability to attract and retain skilled personnel and develop leaders, variability in production yields, our ability to reduce costs and improve gross margins by implementing innovative technologies, our ability to bring new products to market, our ability to adjust production capacity in a timely fashion in response to changes in demand for our products, dependence on a limited number of customers, and dependence on third parties. These and other risks and uncertainties, which are described in more detail in RF Micro Devices' most recent Annual Report on Form 10-K and other reports filed with the Securities and Exchange Commission, could cause actual results and developments to be materially different from those expressed or implied by any of these forward-looking statements.

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