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## **RFMD Expands Industry-Leading Portfolio of Antenna Control Solutions With New Impedance Tuners for Smartphones and Mobile Devices**

### **New RF1105 Offers Broad Antenna Impedance Tuning Range to Optimize Antenna Efficiency in Today's Complex LTE and HSPA+ Cellular Devices**

GREENSBORO, N.C., Nov. 19, 2013 (GLOBE NEWSWIRE) -- RFMD (Nasdaq:RFMD), a global leader in the design and manufacture of high-performance radio frequency solutions, today unveiled its first impedance tuner, the RF1105, further expanding the Company's industry-leading portfolio of antenna control solutions. RFMD's programmable RF1105 functions as a tuner sub-system across all LTE frequency bands up to 2.7GHz, providing antenna feed matching over a wide frequency range. This simplifies antenna design and enables smartphone and mobile device OEMs to optimize antenna power and sensitivity while also maximizing battery life.

As frequency bands proliferate, cellular antennas are required to operate over wider bandwidths, greatly increasing the need for RFMD's impedance tuners. According to industry analyst firm Strategy Analytics, the proliferation of multi-band LTE devices is expected to drive phenomenal growth in shipments of antenna tuning components, reaching 1.8 billion units per year by 2018.

Due to its unique topology, the RF1105 offers broad symmetric tuner gain and linear performance for optimal power transfer to the antenna, improving total system efficiency, even under the most adverse operating conditions in multi-band LTE and HSPA+ applications.

"RFMD's impedance tuners greatly expand our industry-leading portfolio of antenna control solutions while also providing customers the programmability and efficiency needed to simplify and accelerate antenna design in their flagship smartphones and tablets," said Eric Creviston, president of RFMD's Cellular Products Group. "The RF1105 is capable of matching almost any antenna impedance, providing customers breakthrough flexibility. As a result, the RF1105 is already included on several leading mobile reference designs, and RFMD continues to enjoy excellent customer demand for our antenna control solutions."

Like RFMD's antenna tuners, its impedance tuners improve RF system efficiency between the transceiver and the antenna element. While RFMD's antenna tuners optimize radiated efficiency by adjusting or tuning an antenna's resonant frequency, its impedance tuners optimize power transfer to the antenna. Both are part of RFMD's portfolio of antenna control solutions, which also includes high-performance routing switches that optimize antenna selection and control and enhance cellular data throughput rates.

RFMD's impedance tuners provide a dynamic matching environment and can be programmed to offer optimal performance across multiple conditions and usage cases. With the RF1105, smartphone OEMs can design antennas for optimal radiated efficiency while also reducing the potential tradeoffs associated with fixed matching components. It is sampling now with lead customers, and volume production is expected to begin in the first quarter of 2014.

#### **About RFMD**

RFMD (Nasdaq:RFMD) is a global leader in the design and manufacture of high-performance radio frequency solutions. RFMD's products enable worldwide mobility, provide enhanced connectivity, and support advanced functionality in the mobile device, wireless infrastructure, wireless local area network (WLAN or Wi-Fi), cable television (CATV)/broadband, Smart Energy/advanced metering infrastructure (AMI), 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. RFMD is an ISO 9001-, ISO 14001-, and ISO/TS 16949-certified manufacturer with worldwide engineering, design, sales and service facilities. For more information, please visit RFMD's web site at [rfmd.com](http://rfmd.com).

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