



June 3, 2008

Skyworks Introduces Industry's First BAW Filters to Enable WiMAX and WLAN Co-Existence

World-Class Performance Enhances Home, Enterprise and Regional Networking Coverage

WOBURN, Mass.--(BUSINESS WIRE)--June 3, 2008--Skyworks Solutions, Inc. (NASDAQ:SWKS), an innovator of high performance analog and mixed signal semiconductors enabling mobile connectivity, today introduced the industry's first bulk acoustic wave (BAW) filters for customer premise equipment (CPE) to allow co-existence between wireless local area networks (WLAN) in the home and enterprise, and WiMAX networks which cover wider areas including neighborhoods and cities. As both networks operate at very closely spaced frequency bands, these unique BAW filters reject the interfering frequencies while allowing the desired signals to pass for the selected network.

"WiFi and WiMAX are converging markets and OEMs have a critical need for both signals to co-exist on the same device," said Stan Swearingen, Skyworks' vice president and general manager. "Skyworks is uniquely meeting this design challenge and has introduced filtering technology to address these requirements and, in turn, support a variety of applications including access points, PCMCIA cards, USB dongles, notebook and ultra-mobile personal computers, as well as femto and pico base stations."

BAW filters are integral components of radio frequency (RF) architectures and according to Strategy Analytics demand is projected to exceed \$1.5 billion by 2010. Given their particular combination of small footprint, low profile and high performance, they are extremely valuable in enabling next-generation wireless products, which increasingly require greater functionality and reduced form factors. Combined with the company's portfolio of switches, power amplifiers (PAs), front-end modules (FEMs) and transceivers, Skyworks is a one-stop supplier for wireless equipment manufacturers requiring highly integrated RF solutions for a wide array of air interfaces and system architectures. Skyworks entered the BAW filter market three years ago as part of its strategic effort to develop diverse, differentiated and more highly integrated products.

About the [SKY33107](#) and [SKY33108](#)

The [SKY33107](#) is a WiFi reject/WiMAX pass, and the [SKY33108](#) is a WiFi pass/WiMAX reject, BAW filter. Both 3 x 3 millimeter (mm) devices have very low in-band insertion loss and input and output return loss. They also exhibit excellent rejection - in the 2.4 gigahertz (GHz) WLAN band for the SKY33107, and 2.495-2.690 GHz WiMAX band for the SKY33108. The [SKY33107](#) is intended for use in 2.495-2.690 GHz WiMAX band transmitter applications which also contain WLAN 802.11 b, g, n transmitters, while the [SKY33108](#) is targeted at 2.400-2.473 GHz WiFi band transmitter applications which also encompass 2.495-2.690 GHz WiMAX transmitters. Both filters can operate over a -20 to 85 degrees Celsius temperature range and are available in a lead (Pb)-free, restriction of hazardous substances (RoHS)-compliant package.

About BAW Filters

Filters are the first line of defense against interference at the front-end of all radios, as they block unwanted frequencies, while the desired frequency band is transmitted with very low loss. As an increasing number of communication systems use adjacent RF frequency bands, very high selectivity filters have become more critical in ensuring that those systems with close frequency bands do not interfere with each other.

A great challenge for RF filters is to provide low loss in the desired transmission band, and yet give high rejection at nearby frequencies, such as those just outside the passband. BAW filter technology is ideally suited for achieving such high selectivity since it works by transducing electrical signals into very low loss (high Q) resonant acoustic vibrations in piezoelectric structures.

BAW filters are fabricated using semiconductor wafer fabrication techniques similar to those already used by Skyworks to manufacture heterojunction bipolar transistor (HBT) PAs and pseudomorphic high electron mobility transistor (pHEMT) switches. Skyworks is leveraging wafer fabrication expertise to achieve high precision, high repeatability, and large volume capability to address the RF filter needs of the wireless communications industry.

Pricing and Availability

Engineering samples are available now, with full launch scheduled for the fourth quarter. For customized pricing, please contact sales@skyworksin.com.

About Skyworks

Skyworks Solutions, Inc. is an innovator of high performance analog and mixed signal semiconductors enabling mobile connectivity. The company's power amplifiers, front-end modules and direct conversion radios are at the heart of many of today's leading-edge multimedia handsets. Leveraging core technologies, Skyworks also offers a diverse portfolio of linear products that support automotive, broadband, cellular infrastructure, industrial and medical applications.

Headquartered in Woburn, Mass., Skyworks is worldwide with engineering, manufacturing, sales and service facilities throughout Asia, Europe and North America. For more information, please visit Skyworks' Web site at: www.skyworksinc.com.

Safe Harbor Statement

This news release includes "forward-looking statements" intended to qualify for the safe harbor from liability established by the Private Securities Litigation Reform Act of 1995. These forward-looking statements include information relating to future results and expectations of Skyworks (including certain projections and business trends). Forward-looking statements can often be identified by words such as "anticipates," "expects," "intends," "believes," "plans," "may," "will," "continue," similar expressions, and variations or negatives of these words. All such statements are subject to certain risks and uncertainties that could cause actual results to differ materially and adversely from those projected, and may affect our future operating results, financial position and cash flows.

These risks and uncertainties include, but are not limited to: global economic and market conditions, such as the cyclical nature of the semiconductor industry and the markets addressed by our, and our customers', products; our ability to develop, manufacture and market innovative products in a highly price competitive and rapidly changing technological environment; fluctuations in our manufacturing yields due to our complex and specialized manufacturing processes; our reliance on several key customers for a large percentage of our sales; fluctuations in the manufacturing yields of our third party semiconductor foundries and other problems or delays in the fabrication, assembly, testing or delivery of our products; the availability and pricing of third party semiconductor foundry, assembly and test capacity and raw materials; our ability to timely and accurately predict market requirements and evolving industry standards, and to identify opportunities in new markets; losses or curtailments of purchases or payments from key customers, or the timing of customer inventory adjustments; our ability to rapidly develop new products and avoid product obsolescence; our ability to retain, recruit and hire key executives, technical personnel and other employees in the positions and numbers, with the experience and capabilities, and at the compensation levels needed to implement our business and product plans; lengthy product development cycles that impact the timing of new product introductions; the timing, rescheduling or cancellation of significant customer orders and our ability, as well as the ability of our customers, to manage inventory; unfavorable changes in product mix; the quality of our products and any remediation costs; shorter than expected product life cycles; problems or delays that we may face in shifting our products to smaller geometry process technologies and in achieving higher levels of design integration; economic, social and political conditions in the countries in which we, our customers or our suppliers operate, including security and health risks, possible disruptions in transportation networks and fluctuations in foreign currency exchange rates; our ability to continue to grow and maintain an intellectual property portfolio and obtain needed licenses from third parties; and the uncertainties of litigation, including disputes over intellectual property, as well as other risks and uncertainties, including but not limited to those detailed from time to time in our filings with the Securities and Exchange Commission.

These forward-looking statements are made only as of the date hereof, and we undertake no obligation to update or revise the forward-looking statements, whether as a result of new information, future events or otherwise.

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CONTACT: Skyworks Media Relations:

Amanda Ingalls, 949-231-3045

or

Skyworks Investor Relations:

Thomas Schiller, 949-231-4700

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