



October 21, 2013

Skyworks Front End Solutions Support Broadcom 5G WiFi Platforms

Enable Industry's Fastest Download Speeds

WOBURN, Mass.--(BUSINESS WIRE)-- Skyworks Solutions, Inc. (NASDAQ: SWKS), an innovator of high performance analog semiconductors enabling a broad range of end markets, announced that its industry leading wireless connectivity front-end modules (FEMs) are being leveraged by Broadcom Corporation for use in several of the company's 5G WiFi solutions, enabling some of the fastest download speeds available in access points, routers, DSL/cable gateways, PCs, smartphones and tablets. Skyworks' complete 2.4 and 5 gigahertz (GHz) 802.11a/g/n/ac solutions integrate the power amplifier, filter, power detector, transmit/receive (T/R) switch, diplexer and associated matching in an ultra-compact form factor, delivering all the essential functionality from the output of the SOC to the antenna.

"With digital content consumption on the rise, particularly as consumers watch video on more devices and in more places around the home, Broadcom is closely collaborating with Skyworks to deliver solutions that offer the industry's fastest wireless speeds and enhance the overall user experience," said Dino Bekis, vice president, Marketing, Wireless Connectivity at Broadcom. "Skyworks' wireless connectivity modules provide world-class performance, making them an ideal choice for Broadcom's reference designs."

"Skyworks is excited to be a part of Broadcom's 5G WiFi platforms enabling next generation mobile devices and customer premise equipment," said Liam K. Griffin, executive vice president and corporate general manager at Skyworks. "Broadcom and Skyworks have a long history of partnering to deliver market leading solutions with performance and cost advantages for both manufacturers and consumers. This engagement comes as market demand for 5G WiFi is accelerating across developed and emerging markets."

By next year, 802.11ac is expected to be the dominant standard and its reach is expected to go well beyond just smartphones, tablets and computers. According to a study by Strategy Analytics, sales of consumer devices compatible with 802.11ac, including routers and gateways, will grow and surpass one billion units by the end of 2015 and 2.8 billion in 2017. The 802.11ac deployment will initially involve smartphones and tablets with connected televisions, media players and other devices to follow.

About Broadcom's 5G WiFi Solutions

By creating more reliable whole-home coverage, Broadcom's 5G WiFi technology overcomes the digital content and wireless device challenge. Broadcom's family of 5G WiFi solutions dramatically improves the wireless range in the home, allowing consumers to watch HD-quality video from more devices, in more places, simultaneously. The increased speed enables consumers to download web content from a mobile device faster and quickly synch large files, such as videos, in a fraction of the time. Visit www.broadcom.com to learn more.

About Skyworks' Mobile Connectivity Solutions

Designed to meet stringent linearity conditions of 802.11ac standard, the [SE5516A](#) delivers < 2 percent error vector magnitude at rated AC power. All RF ports are matched to 50 Ω to simplify printed circuit board layout and the interface to the transceiver RFIC. The device also includes a transmitter power detector with 20 dB of dynamic range for each transmit chain. Each power amplifier (PA) has a separate digital enable control for transmitter on/off control. The power ramp rise/fall time is less than 0.4 μ sec. It also provides a notch filter from 3.260 — 3.267 GHz prior to the input of each 2.4 GHz and 5 GHz PAs, respectively. The solution is housed in a 4 x 4 x 1 millimeter (mm), halogen and lead free, restriction of hazardous substances compliant, moisture sensitivity level, 3 land grid array package.

The [SKY85302-11](#) is a complete 802.11ac WLAN RF FEM with a Bluetooth® port. The device provides all of the functionality of a fully matched PA, power detector, harmonic filter, low-noise amplifier (LNA) and single-pole, triple-throw switch. The FEM also provides a complete 2.4 GHz solution from the output of the transceiver to the antenna, and from the antenna to the input of the transceiver. The LNA increases the receive sensitivity of embedded solutions to improve range or to overcome the insertion loss of cellular filters, often included for mobile applications. In addition, the device includes a transmitter power detector with 20 dB of dynamic range, and a digital-enable control for transmitter power ramp on/off control. The FEM is also provided in an ultra-compact, 16-pin, 2.5 x 2.5 mm, quad-flat, no-lead (QFN) package.

The [SKY85706-11](#) is a highly integrated, 5 GHz FEM incorporating a single-pole, double throw T/R switch, an LNA with bypass, and a PA intended for mobile/portable, 802.11n/ac applications and systems. An enable/disable function is included, allowing

power savings during off mode. In addition, an integrated power detector with 20 dB of dynamic range is included to provide closed-loop power control within the system. The FEM is also provided in a compact, 16-pin, 2.5 x 2.5 QFN package.

About Skyworks

Skyworks Solutions, Inc. is an innovator of high performance analog semiconductors. Leveraging core technologies, Skyworks supports automotive, broadband, cellular infrastructure, energy management, GPS, industrial, medical, military, wireless networking, smartphone and tablet applications. The Company's portfolio includes amplifiers, attenuators, circulators, demodulators, detectors, diodes, directional couplers, front-end modules, hybrids, infrastructure RF subsystems, isolators, lighting and display solutions, mixers, modulators, optocouplers, optoisolators, phase shifters, PLLs/synthesizers/VCOs, power dividers/combiners, power management devices, receivers, switches and technical ceramics.

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 without limitation information relating to future results and expectations of Skyworks (including without limitation certain projections and business trends). Forward-looking statements can often be identified by words such as "anticipates," "expects," "forecasts," "intends," "believes," "plans," "may," "will," or "continue," and similar expressions and variations or negatives of these words. All such statements are subject to certain risks, uncertainties and other important factors 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, uncertainties and other important factors include, but are not limited to: uncertainty regarding global economic and financial market conditions; the susceptibility of the semiconductor industry and the markets addressed by our, and our customers', products to economic downturns; the timing, rescheduling or cancellation of significant customer orders and our ability, as well as the ability of our customers, to manage inventory; losses or curtailments of purchases or payments from key customers, or the timing of customer inventory adjustments; the availability and pricing of third party semiconductor foundry, assembly and test capacity, raw materials and supplier components; changes in laws, regulations and/or policies, including the possibility of expiring tax cuts combined with mandatory reductions in federal spending, in the United States that could adversely affect either (i) the economy and our customers' demand for our products or (ii) the financial markets and our ability to raise capital; our ability to develop, manufacture and market innovative products in a highly price competitive and rapidly changing technological environment; 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; fluctuations in our manufacturing yields due to our complex and specialized manufacturing processes; delays or disruptions in production due to equipment maintenance, repairs and/or upgrades; 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; our ability to timely and accurately predict market requirements and evolving industry standards, and to identify opportunities in new markets; uncertainties of litigation, including potential disputes over intellectual property infringement and rights, as well as payments related to the licensing and/or sale of such rights; 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; 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; and our ability to continue to grow and maintain an intellectual property portfolio and obtain needed licenses from third parties, 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.

The forward-looking statements contained in this news release 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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