

September 11, 2015



MaxLinear Demonstrates Multi-Channel Satellite UHD Reference Design with STMicroelectronics and Quantenna at IBC 2015

- *Integration of MaxLinear's FSC™ satellite front end with ST's latest generation UHD decoder and Quantenna's 4x4 802.11ac WiFi solution provides OEMs with a scalable mid-range or high-end PVR design for pay TV operators*

CARLSBAD, Calif.--(BUSINESS WIRE)-- MaxLinear Inc. (NYSE: MXL), a [leading provider of integrated radio frequency \(RF\) and mixed-signal integrated circuits](#) for broadband communications applications, announced it will demonstrate a scalable multi-channel satellite UHD set-top box and media server reference design with STMicroelectronics and Quantenna at the IBC 2015 exhibition in Amsterdam, Sept. 11-15, 2015.

The joint reference design combines MaxLinear's MxL5xx family of Full-Spectrum Capture™ (FSC™) satellite receivers with ST's STiH418 4Kp60 Ultra High Definition (UHD) decoder and Quantenna's QSR1000 4x4 802.11ac "Wave 2" WiFi chipset solution.

The reference design is highly scalable to address a wide range of functionality and services demanded by leading satellite service providers aiming to deploy next-generation UHD TV and multi-screen, multi-room services. For mid-range UHD personal video recorder (PVR) applications, the platform can be configured with four satellite TV tuners, UHD TV and picture-in-picture (PiP) display, plus transcoding and WiFi streaming of two HD channels to WiFi-enabled client devices.

OEMs can also use the reference design as a high-end satellite home media server with advanced services including eight satellite TV tuners, UHD TV and PiP display, transcoding and WiFi streaming of four HD channels to WiFi-enabled client devices, up to eight simultaneous HDD recordings, and fast channel change on multiple TVs.

The STiH418 is based on quad-core ARM processors delivering 12K DMIPS, superior 2D/3D graphics performance with a Mali™ GPU, integrated hardware Faroudja® multimedia subsystem with HEVC video decoder, high-performance video encoder and high-quality video pre- and post-processing.

The MaxLinear FSC satellite receiver is available as a four-channel network interface module (NIM) based on the MxL541C device, or an eight-channel NIM based on the MxL582C device. Both MaxLinear devices are industry leading, single chip multi-channel receiver solutions with all major functions integrated, including the low-noise amplifiers

(LNAs).

The four-channel and eight-channel NIMs plug into the STiH418 motherboard and are available to customers upon request.

Quantenna's QSR1000 is the industry first 802.11ac "Wave 2" WiFi chipset solution. The QSR1000 builds on Quantenna's True 4x4™ MIMO foundation which enables throughputs of up to 1.7Gbps. With additional support of universal transmit beamforming, four spatial streams and multi-user MIMO (MU-MIMO), the QSR1000 is capable of delivering long range performance even in challenging home or office environments. The chipset is designed for gateways, video bridges and set-top box platforms and enables them to transmit concurrent multiple UHD streams to multiple televisions, with whole-home coverage, over a single wireless network.

MaxLinear and ST will be demonstrating the joint reference design at IBC 2015 in Amsterdam, Sept. 11-14. To setup a meeting or private demonstration, please contact ibc2015@MaxLinear.com.

About MaxLinear, Inc.

MaxLinear, Inc. is a provider of integrated, radio frequency, and mixed-signal integrated circuits for broadband communications and data center, metro, and long-haul transport network applications. MaxLinear is headquartered in Carlsbad, California. For more information, please visit www.maxlinear.com.

MxL, Full-Spectrum Capture, FSC and the MaxLinear logo are trademarks of MaxLinear, Inc. Other trademarks appearing herein are the property of their respective owners.

About Quantenna

Quantenna is the global leader and innovator of ultra-high performance Wi-Fi semiconductor and system software solutions that establish benchmarks for speed, range, efficiency and reliability. Quantenna continues to innovate and introduced the world's first 10G Wi-Fi technology for a new generation of access points in home, enterprise and public spaces. Quantenna Wi-Fi solutions are generations ahead of any other available solution; while transmitting faster, reaching farther and serving more devices more reliably than any other Wi-Fi solution ever created. Coupled with MAUI, the cloud-based Wi-Fi analytics platform, service providers can deliver real-time, automated Wi-Fi monitoring, optimization, and self-healing to their customers around the clock to offer the best Wi-Fi experience. Quantenna's Wi-Fi chipsets are being deployed by Tier One retail OEMs and telecom, cable and satellite service providers worldwide including AT&T, DirecTV, Orange and Telefonica. With the industry's highest performing Wi-Fi solutions, Quantenna is Wi-Fi Perfected. For more information, visit www.quantenna.com. Follow us on [Facebook](#), [LinkedIn](#) and [Twitter](#).

Cautionary Note About Forward-Looking Statements

This press release contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Forward-looking statements include, among others, statements concerning or implying future financial performance or trends and growth opportunities affecting MaxLinear, including statements relating to the performance and

opportunities regarding the joint reference design to be demonstrated at IBC 2015, which utilizes MaxLinear's MxL5xx family of FSC satellite receivers. These forward-looking statements involve known and unknown risks, uncertainties, and other factors that may cause actual results to differ materially from any future results expressed or implied by these forward-looking statements. We cannot predict whether or to what extent we will realize revenues from the utilization of MaxLinear's MxL5xx family of FSC satellite receivers in the joint reference design with STMicroelectronics and Quantenna. Forward-looking statements are based on management's current, preliminary expectations and are subject to various risks and uncertainties, including (among others) integration risks arising from our recent acquisition of Entropic Communications, Inc.; intense competition in our industry; the ability of our customers to cancel or reduce orders; uncertainties concerning how end user markets for our products will develop; our lack of long-term supply contracts and dependence on limited sources of supply; potential decreases in average selling prices for our products; currently pending intellectual property litigation; and the potential for additional intellectual property litigation, which is prevalent in our industry. In addition to these risks and uncertainties, investors should review the risks and uncertainties contained in MaxLinear's filings with the United States Securities and Exchange Commission, including our most recent Quarterly Report on Form 10-Q for the quarter ended June 30, 2015. All forward-looking statements are qualified in their entirety by this cautionary statement. MaxLinear is providing this information as of the date of this release and does not undertake any obligation to update any forward-looking statements contained in this release as a result of new information, future events, or otherwise.

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