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MaxLinear Strengthens Wireless Transport Product Portfolio with 5Gbps, 16K QAM-based Microwave Modem SoC

- *The MxL85670 supports the highest throughput bit rates for microwave point-to-point wireless transport products*

BARCELONA, Spain--(BUSINESS WIRE)-- MOBILE WORLD CONGRESS – MaxLinear, Inc. (NYSE:MXL), a leading provider of radio frequency (RF), analog and mixed-signal integrated circuits for the connected home, wired and wireless infrastructure, and industrial and multimarket applications, today announced the MxL85670 baseband system on-chip (SoC) for wireless microwave transmission systems.

With its exceptional 5Gbps wireless throughput, the MxL85670 sets a new microwave industry bar for high capacity and provides a flexible solution that meets the evolving demands of backhaul and fronthaul for 5G networks.

The MxL85670 SoC brings the most advanced features and performance to microwave point-to-point systems, including:

- 4 x 4 close-loop multiple input, multiple output (MIMO)
- Cross polarization interference cancellation (XPIC)
- Future-proof 224MHz-channel bandwidth
- Support for 16,384 QAM modulation
- Payloads of up to 5Gbps with the best spectral efficiency for the most cost-effective mobile network deployments

The MxL85650 family is highly integrated with two modems, embedded programmable DSP for add-on features and differentiation, multiple high-speed AFE for I/Q and IF interfaces, auxiliary AFE for RF circuitry and board control, packet fragmentation and header compression, and support for Synchronous Ethernet and IEEE 1588.

The device also supports wideband adaptive digital pre-distortion (ADPD) capability and channel-aggregation functionality. High link robustness is supported with ACM, advanced multilevel coding LDPC/RS FEC, fixed latency physical layer retransmission, MRC, XPIC-MRC and link protection.

As operators seek to efficiently expand bandwidth in their fronthaul and backhaul networks, leveraging existing microwave bands remains an attractive option due to availability of untapped transmission spectrum. The transmission bandwidth capacity supported by the MxL85670 enables operators to take full advantage of spectrum.

“As wireless networks migrate toward 5G services, mobile network operators will need upgraded modem capabilities to support new revenue generating services and reduce their cost of ownership,” said Uri Kanari, MaxLinear Director of Product Management. “High throughput, ultra-low transmission latency and high reliability will be key building blocks underpinning both backhaul and fronthaul applications to enable commercially viable 5G network deployments. MaxLinear is well positioned for this market with the MxL85670 along with the previously introduced MxL11xx family of single-chip CMOS microwave transceivers.”

A demonstration of the MxL85670 modem along with the MxL1105 transceiver will be held at MaxLinear’s booth at Mobile World Congress, located in Fira Gran Via Hall 2, Stand 2B31MR from Feb. 26 – March 1, 2018. For an appointment, please contact sales@maxlinear.com.

About MaxLinear, Inc.

MaxLinear, Inc. (NYSE:MXL), a leading provider of radio frequency (RF), analog and mixed-signal integrated circuits for the connected home, wired and wireless infrastructure, and industrial and multimarket applications. MaxLinear is headquartered in Carlsbad, California. For more information, please visit www.maxlinear.com.

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Cautionary Note About Forward-Looking Statements

This press release contains forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. Forward-looking statements include, among others, statements concerning MaxLinear’s MxL85670 baseband system on-chip and statements concerning or implying the performance of MaxLinear’s technologies, their potential use cases, and the potential impact of these technologies on our business and future operating results. These forward-looking statements involve known and unknown risks, uncertainties, and other factors that may cause actual results to be materially different from any future results expressed or implied by the forward-looking statements. Forward-looking statements are based on management’s current, preliminary expectations. In particular, our future operating results are substantially dependent on our assumptions about market trends and conditions and our expectations with respect to recently completed acquisitions, including our ability to integrate our recently completed acquisition of Exar Corporation. Additional risks and uncertainties arising from our operations generally and our recently completed acquisitions include intense competition in our industry; our dependence on a limited number of customers for a substantial portion of our revenues; uncertainties concerning how end user markets for our products will develop; potential uncertainties arising from continued consolidation among cable television and satellite operators in our target markets and continued consolidation among competitors within the semiconductor industry generally; our ability to develop and introduce new and enhanced products on a timely basis and achieve market acceptance of those products, particularly as we seek to expand outside of our historic markets; potential decreases in average selling prices for our products; risks relating to intellectual property protection and the prevalence of intellectual property litigation in our industry; indemnification obligations of Exar arising from a recent divestiture; the impact on our financial condition of acquisition indebtedness and cash usage arising from the Exar transaction; our reliance on a limited number of third party manufacturers; and our lack of

long-term supply contracts and dependence on limited sources of supply. In addition to these risks and uncertainties, investors should review the risks and uncertainties contained in our filings with the Securities and Exchange Commission (SEC), including the information under the caption "Risk Factors" in our Annual Report on Form 10-K for the year ended December 31, 2016 and our Quarterly Report on Form 10-Q for the quarter ended September 30, 2017. All forward-looking statements are based on the estimates, projections and assumptions of management as of the date of this press release, and MaxLinear is under no obligation (and expressly disclaims any such obligation) to update or revise any forward-looking statements whether as a result of new information, future events, or otherwise.

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