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MaxLinear Showcases 5G & Backhaul Leadership with New Family of Broadband Microwave Transceivers

- *Single-chip, all CMOS devices incorporate a full receive, transmit, and feedback path, and all synthesizer components covering frequencies from 5GHz to 45GHz*

BARCELONA--(BUSINESS WIRE)-- MaxLinear Inc. (NYSE: MXL), a leading provider of radio frequency (RF) and mixed-signal integrated circuits for the connected home and wired and wireless infrastructure markets, today announced the MxL1100 family of fully integrated, all CMOS broadband microwave transceivers for 5G, wireless backhaul, wireless front-haul and satellite broadband applications.

The first device in the product family is the MxL1105, a single-chip broadband microwave transceiver that can support all licensed and unlicensed bands from 5GHz to 44GHz, including all ETSI-defined channel spacing options from 5MHz and 224MHz. The wideband MxL1105 single-chip transceiver solution replaces custom, band-specific designs incorporating hundreds of discrete components, while adding features and capabilities that can only be practically realized in an advanced CMOS process.

In addition, at Mobile World Congress 2017, MaxLinear will demonstrate the broadband MxL1105 paired with a phased-array antenna showcasing the flexibility of the platform to support multi-user MIMO and beam forming applications for newly proposed 5G frequency bands.

The MxL1105 incorporates a full receive, transmit, digital pre-distortion receiver feedback path, and all synthesizer components on a single chip, and can support all QAM modulation code rates up to 4096 QAM. The closed loop digital pre-distortion provides power amplifier (PA) linearization for a wide variety of PAs.

Full Spectrum Capture™ (FSC™) technology enables the MXL1105 to support channel aggregation mode enabling a second channel of any channel spacing to be processed within the same IC.

“As the number of microwave bands proliferate, OEMs are forced to manage a mushrooming portfolio of disparate designs, requiring a huge investment in design, test, qualification and inventory management,” said Brendan Walsh, Vice President of MaxLinear’s Wireless Infrastructure Business. “The MxL1105 changes this paradigm with a single-chip, fully-integrated platform that can reduce costs, while greatly improving time to market for our customers.

“Commercially viable 5G deployments will require highly integrated MIMO transceivers with increased signal processing capabilities. We are excited about what the MxL1105 means for 5G access applications,” continued Walsh. “The same single platform can be leveraged to drive 5G beam forming phased-array antennas for the main bands of interest from 28GHz to 39GHz and beyond. We are well positioned for this market and will show case our capabilities for early 5G field trials during MWC 2017.”

Technical Details

The MxL1105 broadband microwave transceiver supports all licensed and unlicensed bands from 5GHz to 44GHz, including channel spacing options from 5MHz and 224MHz. The device incorporates FSC technology to support channel aggregation mode, which enables a second channel of any channel spacing to be processed within the same IC.

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The MxL1105 is now available from MaxLinear’s worldwide sales team. For more information, or to schedule a viewing of the MWC 2017 demo, email: info@maxlinear.com

About MaxLinear, Inc.

MaxLinear, Inc. (NYSE: MXL), a leading provider of radio frequency (RF) and mixed-signal integrated circuits for the connected home and wired and wireless infrastructure markets. 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 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 related to the performance of MaxLinear’s MxL1105. 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 and are subject to various risks and uncertainties. The closing of recent acquisitions of wireless infrastructure assets from Microsemi and Broadcom present particular risks associated with our ability to integrate the acquired businesses, and maintain relationships with employees, customers, and vendors. In addition, our current expectations with respect to the size of the available market and growth opportunities in future years are subject to substantial management assumptions that are themselves subject to material risks and uncertainties. Additional risks and uncertainties that could affect our assumptions and expectations with respect to the completed acquisitions that also generally affect our business, operating results, financial

condition, and stock price, 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, including pending litigation against us by a third parties in the United States District Court in Delaware and Superior Court of California; 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 MaxLinear's filings with the United States Securities and Exchange Commission, including our most recent Annual Report on Form 10-K for the fiscal year ended December 31, 2016 and our Current Reports on Form 8-K. 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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