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## MaxLinear's AirPHY™ Powers New ZINWELL Outdoor-Indoor Product for 5G High-Band Wireless Communication

- *ZINWELL's ZRA-001 system to be deployed by tier-one North American operator in 5G network trials; system uses MxL210x AirPHY modem for multi-gigabit throughput*

CARLSBAD, Calif.--(BUSINESS WIRE)-- MaxLinear, Inc. (NYSE:MXL), a leading provider of radio frequency (RF), analog and mixed-signal integrated circuits for wireless and wired infrastructure, industrial, the connected home and multimarket applications, today announced that ZINWELL Corp. has selected MaxLinear's MxL210x AirPHY™ wireless transceiver for its ZRA-001 product line.

Enabling the transfer of gigabit data rates from outdoor to indoor is a key challenge for high-band 5G and fixed wireless access technologies that use millimeter wave radio frequencies. Millimeter wave RF signals are ideal for supporting ultra-high broadband speeds with very low latency, however signals have challenges penetrating building walls or energy efficient windows with low-emissivity (Low-E) metallic coatings.

This challenge is addressed by the MxL210x, based on MaxLinear's AirPHY technology. Operating within unlicensed radio frequency bands and below the FCC and European Telecommunications Standards Institute (ETSI) limits for radiated emissions, the MxL210x enables wireless transfer of more than 2 Gigabits per second (Gbps) penetrating through low-E windows and walls.

The ZINWELL ZRA-001 is designed for residential applications. It has two components: an outdoor unit (ODU) attached to the outside of the house and an indoor unit (IDU). The IDU can be easily self-installed to an inside wall or window. This solution means that mobile network operators (MNOs) do not have to drill holes in their customers' homes to enable service, which speeds up installation time and lowers subscriber acquisition costs. Trials of the ZRA-001 will commence in the second quarter of 2018.

"As part of its fixed wireless access roll-outs, wireless operators are demanding cost-effective, plug-and-play solutions that can be self-installed by customers," said Paul Wu, Senior Director of Sales and Marketing, ZINWELL Corporation. "The MxL210x based on AirPHY technology provides an innovative approach that meets these requirements, and we're excited to be working collaboratively with MaxLinear to deliver this new product to the market."

"The promise of delivering gigabit broadband speeds inside the home without any wires or holes is finally a reality," said Jim Kappes, Director of Marketing, MaxLinear Broadband

Group. “ZINWELL’s ZRA-001 product provides an elegant solution that will reduce installation costs and improve the customer experience.”

A demonstration of AirPHY technology will be held during Mobile World Congress at Fira Gran Via Hall 2, Stand 2B31MR from Feb. 26 – March 1, 2018. For reservations, please contact [sales@maxlinear.com](mailto:sales@maxlinear.com).

### **About ZINWELL Corporation**

Founded in 1981, ZINWELL has grown to be globally recognized as one of the major Taiwanese manufacturers of MoCA 2.5 ECB/WEGBs, Ultra-high Speed Home Networking, Multimedia Networks, Digital Set-top Box, Satellite, CATV and Terrestrial Receiving equipment. With headquarters in Taipei and corporate offices in Hsinchu, ZINWELL sells to three of the top 10 operators in the world. For more information, please visit [www.zintech.com.tw](http://www.zintech.com.tw).

### **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](http://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 our reference design win with ZINWELL and statements concerning or implying the performance of MaxLinear’s technologies, their potential use cases, and the potential impact of these technologies or our design win with ZINWELL 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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