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## MaxLinear and ZINWELL Develop Outdoor-to-Indoor Solution for 5G Millimeter Wave Fixed Wireless Access

- *ZINWELL's second-generation ZRA-002 device delivers up to 2.5Gbps data throughput and 25W of wireless power through 5cm thick low-E glass windows*

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, and ZINWELL, a leading manufacturer of wired and wireless broadcast and broadband communication equipment, today announced a second-generation outdoor-to-indoor data and power transmission product that integrates MaxLinear's AirPHY™ multi-gigabit modem technology with a 25W wireless power module into a small, cost-effective 11 cm x 17 cm form factor.

The ZRA-002 provides service providers with a system to terminate a 5G wireless data service inside a residence or office where the 5G signal is otherwise blocked by the building wall or low-emissivity (low-E) glass windows.

The ZRA-002 indoor unit (IDU) provides up to 25W of wireless power and up to 2.5 Gbps throughput to an outdoor unit (ODU), that is then connected to an external 5G modem via a power-over-Ethernet cable. The ZRA-002 wireless power solution is targeted at window installations and can penetrate up to 3cm thick standard or low-emissivity (low-E) glass windows.

The ZRA-002 is the first solution in the market to solve the problem of outdoor-to-indoor wireless data and power transfer in a single, integrated unit. Additional products are in development to increase the wireless power capacity and extend the reach for walls that are up to 30cm thick.

"The ZRA-002 was designed to solve the problem of millimeter wave barrier penetration and simplify the installation process such that any homeowner could self-install the equipment," said Jim Kappes, Director of Product Marketing, MaxLinear Broadband Group. "Self-installation is a game changer for 5G fixed wireless broadband service providers; it enables them to aggressively roll out Gigabit broadband services while also lowering the cost of acquiring new subscribers."

Millimeter wave 5G has great promise as a last-mile service, but only if it can get past the last few centimeters and into the home or office," said Paul Wu, Senior Director of Sales and Marketing of ZINWELL. "With the ZRA-002, we're providing an easily installable solution for mobile network operators to remove the last barrier for the widespread utilization of

millimeter wave fixed access services.”

### **Demonstration at MWCA and IBC 2018**

A demonstration of the ZRA-002 AirPHY and wireless power solution will be held during Mobile World Congress Americas, from Sept. 12-14, 2018 in Los Angeles, and at the IBC Show in Amsterdam, from Sept. 15-18. 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 federal securities laws. Forward-looking statements include, among others, statements concerning or implying future financial performance or trends and growth opportunities affecting MaxLinear, in particular statements relating to ZINWELL’s use of MaxLinear’s AirPHY™ multi-gigabit modem technology. 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 our relationship with ZINWELL. Forward-looking statements are based on management’s current, preliminary expectations and are subject to various risks and uncertainties that could cause actual results to differ materially from those described in the forward-looking statements. Forward-looking statements may contain words such as “will be,” “will,” “expected,” “anticipate,” “continue,” or similar expressions and include the assumptions that underlie such statements. The following factors, among others, could cause actual results to differ materially from those described in the forward-looking statements: intense competition in our industry, particularly in our broadband markets; the ability of our customers, including ZINWELL, 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; and the potential for 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 risks and uncertainties identified in our Quarterly Report on Form 10-Q for the quarter ended June 30, 2018. 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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