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## MaxLinear 20Gbps Millimeter MxL85110 Modem Fuels Backhaul Connectivity for Siklu EtherHaul™ Product Family

- *The MxL85110 supports the highest throughput bit rates for point-to-point millimeter wave (mmWave) wireless products*

CARLSBAD, Calif.--(BUSINESS WIRE)-- 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 MxL85110 baseband system on-chip (SoC) is being deployed in the Siklu EtherHaul product family.

This press release features multimedia. View the full release here:

<https://www.businesswire.com/news/home/20200421005325/en/>



MxL85110 Gigabit Modem Fuels Backhaul Connectivity for Siklu EtherHaul Radios (Graphic: Business Wire)

With its exceptional millimeter band (V-Band and E-Band) throughput of up to 20Gbps, the MxL85110 provides a flexible solution that meets the evolving demands for 5G backhaul networks, supporting both all outdoor unit (AODU) and pure IP transport implementations for 5G cellular networks.

Siklu's EtherHaul products are part of the industry's most comprehensive portfolio of V-Band (60GHz), E-Band (70/80GHz), point-to-point, and point-to-multipoint solutions on the market. Siklu, with more than 100,000 mmWave units sold and more than 250 Smart City deployments, is recognized as a leading mmWave vendor in the rapidly growing Gigabit Wireless sector. In combination with Siklu's ExtendMM™ feature, throughputs of 10Gbps full duplex on mmWave links up to 10km can be supported. This is a capacity and distance combination attractive for 5G

deployments.

The MxL85110 includes a complete processing chain, from the various user IP interface technologies to analog baseband signals. The MxL85110 supports large channel-spacing spans of between 50MHz and 2GHz, modulation rates from binary phase-shift keying (BPSK) to 1024 QAM, and high spectral efficiency supporting multiple-input and multiple-out (MIMO) transceivers and cross pole interference cancellation (XPIC).

"As wireless networks require more bandwidth to support 5G applications, service providers will need new tools to transport the massive amount of data that is aggregated at the base station with minimal latency," said Brendan Walsh, Vice President of MaxLinear's Wireless Infrastructure Group. "Siklu's product line meets these requirements and offers an exciting combination of innovation and performance."

"Leveraging millimeter bands to support bandwidth requirements for backhaul networks is a very attractive option due to larger blocks of available spectrum and lower licensing costs," said Dave Sumi, VP of Marketing at Siklu. "Using the MxL85110 we are able to take full advantage of these benefits."

## **Technical Details**

The MxL85110 provides a complete processing chain from the various interface technologies of user's data to analog baseband signals. The MxL85110 is characterized by these main features:

- Glueless connectivity to the RF/IF analog circuitry via integrated AFE DACs and ADCs
- Synchronous Ethernet (SyncE)
- 1588v2, transparent clock (TC) mode
- Full-duplex, single carrier, FDD modem
- XPIC
- Bit rates up to 10Gbps
- Modulation from BPSK to 1024 QAM
- Channels spacing of 50MHz to 2GHz
- Baud rate up to 1600 Mbaud
- Configurable LDPC or RS FEC channel codes
- High phase noise immunity
- Ethernet and GPI interfaces
- In-band management link

For additional information on the MxL85110, visit [www.maxlinear.com/MxL85110](http://www.maxlinear.com/MxL85110).

## **About MaxLinear, Inc.**

MaxLinear, Inc. (NYSE: MXL) is 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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## About Siklu

Siklu delivers multi-gigabit wireless fiber connectivity in urban, suburban, and rural areas. Operating in the mmWave bands, Siklu's wireless solutions are used by leading service providers and system integrators to provide 5G Gigabit Wireless Access services. In addition, Siklu solutions are ideal for Smart City projects requiring extra capacity such as video security, Wi-Fi backhaul, and municipal network connectivity all over one network. Tens of thousands of SIKLU carrier-grade systems are delivering interference-free performance worldwide. Easily installed on street-fixtures or rooftops, these radios have been proven to be the ideal solution for networks requiring fast and simple deployment of secure, wireless fiber. [www.siklu.com](http://www.siklu.com).

## 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, anticipated product performance and functionality of our products or products incorporating our products, and industry trends and growth opportunities affecting MaxLinear, in particular statements relating to MaxLinear's MxL85110, including but not limited to potential market opportunities, functionality, and the benefits of use of such products. 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 the MxL85110 will affect our future revenues or financial performance. 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 and product markets; risks relating to the development, testing, and commercial introduction of new products and product functionalities; 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; impacts from public health crises or natural disasters; 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 Annual Report on Form 10-K for the year ended December 31, 2019. 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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