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MaxLinear WAV600 Series-2 Chipset Selected for Wi-Fi Alliance Wi-Fi 6 Release 2 Certification Test Bed

- *Delivers on Performance and Increased Network Capacity*
- *Enables tri-band interoperability testing at 2.4GHz, 5GHz, and 6GHz*

CARLSBAD, Calif.--(BUSINESS WIRE)-- MaxLinear Inc. (NASDAQ: MXL) today announced their WAV600 Series-2 Chipset SoCs have been selected as access point test bed devices for the Wi-Fi Alliance® Wi-Fi CERTIFIED 6™ Release 2 certification. The test bed uses a MaxLinear WAV615 and two MaxLinear WAV665 Wi-Fi Transceiver SoCs to enable tri-band interoperability testing at 2.4GHz, 5GHz, and 6GHz.

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

<https://www.businesswire.com/news/home/20220105005458/en/>



This chipset delivers on the major features across three bands of the IEEE 802.11ax release 2 standard which further increases the reach, network capacity per user, and battery life of connected client devices. Designed to bring both fast and consistent connectivity in home Wi-Fi routers, gateways, and intelligent range

MaxLinear WAV600 Series-2 SoCs are official Wi-Fi Alliance Wi-Fi 6 Release 2 test bed devices (Graphic: Business Wire)

extenders for cable, xDSL, fiber, and consumer retail infrastructure, this solution delivers improvements that benefit residential users.

In today's related [Wi-Fi Alliance release](#), recent research from IDC Research states that nearly two billion Wi-Fi 6 devices will enter the market just in 2022.

"New disruptive, untethered real-time immersive experiences such as multi-gigabit video, gaming and the demand for low-latency services are driving market demand," said Doron

Tal, vice president, Broadband Access. “MaxLinear continues to lead by engineering chipsets that are easily incorporated into the design for broadband access products and have the features required to enable the full potential of Wi-Fi 6.”

“With [global economic value of Wi-Fi expected to reach \\$5 trillion USD](#) by 2025 and billions of devices shipped each year, Wi-Fi is one of the greatest success stories of the technology era,” said Kevin Robinson, Senior Vice President of Marketing, Wi-Fi Alliance. “Users depend on Wi-Fi more than ever for streaming services, video conferencing, and online gaming, and as a result there is a significant increase in both downlink and uplink data traffic on Wi-Fi networks. Wi-Fi Alliance is evolving Wi-Fi 6 certification to meet the needs of advanced applications and power management enhancements as well as expanded multi-user MIMO capabilities in Wi-Fi CERTIFIED 6 Release 2 that will help further Wi-Fi’s legacy of success, interoperability, and security.”

The MaxLinear WAV600 Series-2 Chipset empowers next generation broadband platforms to serve this growing market.

- **Ensures Faster Uploads for Video Streaming and Gaming**

The WAV600 Series-2 enables UL-MUMIMO which allows multiple STAs to upload content simultaneously, enabling overall better network performance and user experience especially for gaming, video calling, video conferencing and streaming applications.

- **Improves Network Performance**

In addition to delivering speeds up to 4.8 Gbps, the WAV600 Series-2 further improves performance through support of several novel Wi-Fi Certified 6 Release 2 features:

- **Preamble puncturing** which allows enhanced network access in the presence of narrow-band interferers
- **M-BSSID** which reduces management and signaling overhead when supporting multiple networks (BSS)

- **Improves Battery Life for Mobile Clients**

The WAV600 Series-2 supports new low power and sleep mode enhancements, including the new Wi-Fi Certified 6 Release 2 feature Target Wake Time (TWT), Broadcast Target Wake Time and Extended Sleep Time which allows for more optimized sleep/wake schedules for power-critical devices.

- **Extends Range for IoT Clients**

The WAV600 Series-2 supports the Uplink Extended Range capability defined in Wi-Fi Certified 6 Release 2 that ensures outdoor station (STA) connections are maintained over a longer distance from an access point and delivers improvements that provide increased coverage in dense, congested environments such as high-rise dwellings (MDUs).

The MaxLinear WAV600 Series-2 chipset includes the following IEEE 802.11ax-2021 compliant Wi-Fi transceiver solutions:

- WAV615 – up to 1.14Gbps PHY Throughput, 2.4GHz
- WAV665 - up to 4.8Gbps PHY Throughput, 5-7GHz
- WAV655 - up to 3Gbps PHY Throughput, 2.4GHz + 5GHz (Concurrent Dual Band)

For more information and technical specifications, visit www.maxlinear.com/wi-fi

About MaxLinear, Inc.

MaxLinear, Inc. (NASDAQ: MXL) is a leading provider of radio frequency (RF), analog, digital and mixed-signal integrated circuits for access and connectivity, 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 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 Wi-Fi 6 devices and MaxLinear WAV600 Series-2 chipsets, including but not limited to growth trends, potential market opportunities, functionality, performance, 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 WAV600 Series-2 chipsets 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,” “expect,” “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; and uncertainties concerning how end user markets for our products will develop. Other risks potentially affecting our business include risks relating to: 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, such as the Covid-19 pandemic, 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 arising from other factors affecting the business, operating results, and financial condition of MaxLinear, including those set forth in MaxLinear’s most recent Annual Report on Form 10-K, Quarterly Reports on Form 10-Q, and Current Reports on Form 8-K, as applicable. 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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