



China Unicom (Shenzhen division) Issues Corporate Seal to Peraso/Jaguar Wave Networking Product

Jaguar Wave Utilizes Peraso 60GHz X720 Chipset for 5G Backhaul

SAN JOSE, CA – January 19, 2022 – Peraso Inc. (NASDAQ: PRSO) (“Peraso”), a pioneer in high-performance, 5G mmWave wireless technology and provider of chipsets, modules, software and IP, announced that its wholly-owned subsidiary, Peraso Technologies Inc., and Jaguar Wave completed successful testing in the fourth quarter of 2021 of the Jaguar Wave PTP6151, a point-to-point mmWave radio unit utilized for backhaul of 5G base stations in China, with China Unicom (Shenzhen division). At the heart of the PTP6151 is the Peraso X720 chipset, which is fully compliant with the IEEE802.11ad standard.

- For a 6 month test period, China Unicom consistently achieved data rates of 990 Mbps (limited by GigaEthernet) at 850 meters
- Tests were conducted under serious weather conditions, including high temperatures, rainstorms and lightning strikes in the Shenzhen Shiyan area
- Jaguar Wave, in cooperation with Peraso, received the China Unicom corporate seal

With the successful completion of the testing in a variety of environments, China Unicom (Shenzhen division) has provided Jaguar Wave with its corporate seal, thus endorsing Jaguar Wave and Peraso with approval to provide equipment to the China Unicom network. The full test report can be viewed at: <https://perasotech.com/blog/china-unicom-shenzhen-division-corporate-seal-full-test-report/>.

“We’re very proud of the achievement of this formidable goal with our partner Jaguar Wave in the China telecom market,” stated Ron Glibbery, CEO of Peraso. “The technical standards at China Unicom are extremely rigid, so receiving their corporate seal is the culmination of the years of experience that Peraso has developed in the delivery of high-performance mmWave systems.”

“With our close relationship with Peraso, we were able to develop a product for China Unicom that will be used to facilitate the continued deployment of their 5G network in China,” explained James Li, Chief Marketing Officer for Jaguar Wave. “Backhaul is a critical aspect of an aggressive 5G deployment, so the PTP6151 provides telecom carriers with a powerful tool for the global 5G roll out.”

- The X720 chipset from Peraso is the only IEEE802.11ad-complaint chip set that includes both a baseband and mmWave phased array device from a single vendor and supports the full V-band frequency range of 57 GHz to 71 GHz.
- Particular support of frequencies from 64 GHz to 71 GHz where oxygen absorption is reduced significantly,
- Peraso-based systems have achieved links of over 28 kms.

This achievement is facilitated by way of Peraso's full control over the radio performance in conjunction with all the necessary firmware algorithms.

China Unicom is China's number two mobile carrier, with over 300 million subscribers. The Company has been one of the "Fortune Global 500" companies for consecutive years and ranked 260th in "Fortune Global 500" for the year 2021. It was also voted as "Asia's No.1 Most Honored Telecom Company" in 2021 for the sixth consecutive year by Institutional Investor.

The X720 chipset is available immediately from Peraso.

The PTP6151 is available immediately from Jaguar Wave.

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About Peraso Inc.

Peraso Inc. (NASDAQ: PRSO) is a pioneer in high performance 5G mmWave wireless technology, offering chipsets, modules, software and IP. Peraso supports a variety of applications, including fixed wireless access, immersive video and factory automation. In addition, Peraso's solutions for data and telecom networks focus on Accelerating Data Intelligence and Multi-Access Edge Computing, providing end-to-end solutions from the edge to the centralized core and into the cloud. For additional information, please visit www.perasotech.com.

About Shenzhen Jaguar Wave Technology Co., Ltd.

Jaguar Wave is dedicated to development and application of mmWave in all scenarios. Our mission is to make mmWave more user friendly and help people to enjoy the benefits of mmWave: "Faster, Smarter, Trustworthy". With more than dozens of patents and a multi-million dollar in-house laboratory operated by a Ph.D team, Jaguar Wave is able to provide comprehensive service to our clients, including 5G mmWave products and 60GHz mmWave products. We are committed to become the leader of 5G mmWave technology in China. Visit www.jaguarwave.com.

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, which are intended to be covered by the "safe harbor" created by those sections. All statements in this release that are not based on historical fact are "forward-looking statements." These statements may be identified by words such as "estimates," "anticipates," "projects," "plans," "strategy," "goal," or "planned," "seeks," "may," "might", "will," "expects," "intends," "believes," "should," and similar expressions, or the negative versions thereof, and which also may be identified by their context. All statements that address availability, operating performance, and advantages of the products of Peraso, Jaguar, individually or combined, expected outcome of the collaboration of Peraso and Jaguar, and anticipated future combined products or services, that are not otherwise historical facts, are forward-looking statements.

Forward-looking statements are based on certain assumptions and expectations of future events that are subject to risks and uncertainties. Actual results and trends may differ materially from historical results or those projected in any such forward-looking statements depending on a variety of factors. These factors include, but are not limited to, the availability and performance of the Peraso Integrated circuits, and the combined Peraso-Jaguar product, reliance on manufacturing partners to assist successfully with the fabrication of our ICs, availability of quantities of ICs supplied by our manufacturing partners at a competitive cost, level of intellectual

property protection provided by our patents, vigor and growth of markets served by our customers and our operations, and other risks. Peraso undertakes no obligation to update publicly any forward-looking statement for any reason, except as required by law, even as new information becomes available or other events occur in the future.

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