

PERASO

WIRELESS
UNLEASHED™

UNLEASH THE POWER OF 5G mmWAVE
SECOND QUARTER 2022 EARNINGS CONFERENCE CALL

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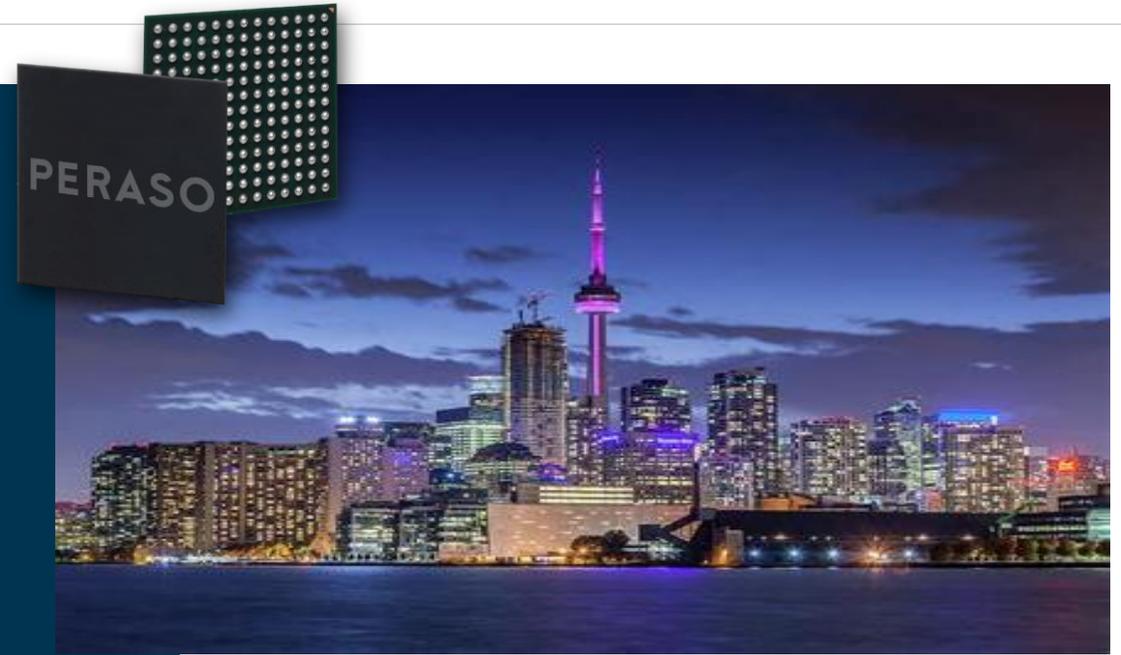
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Opening Remarks

Second Quarter 2022 Earnings Conference Call



Ticker: *PRSO* (NASDAQ)
Headquarters: *San Jose, CA*
Founded: *2008*
Employees: *80* (as of Jun 30, 2022)
Patents: *160*

Technology License to Intel

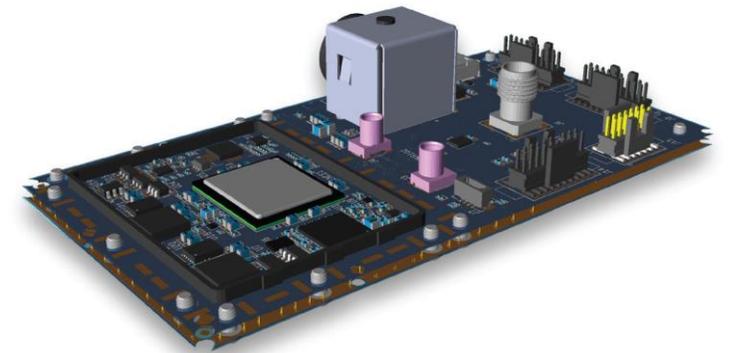
- Entered into Technology License and Patent Agreement with Intel Corporation
 - Primarily for memory-related assets associated with MoSys Stellar packet classification platform IP
 - Exclusively includes non-core technology and IP
- Anticipated total gross proceeds of \$3.5 million
- Technology license complements Peraso memories in some use cases
 - Peraso, a Gold Intel Alliance Partner, could benefit from future design win opportunities as Intel potentially introduces licensed technology to market

mmWave – Growing Need and Industry Adoption

- Federal Communications Commission (FCC), Chair – Jessica Rosenworcel
 - July 2022: “The needs of internet users long ago surpassed the FCC’s 25Mbps/3Mbps speed metric...”
 - 25Mbps/3Mbps broadband standard set and unchanged since 2015
 - Proposed increase of national broadband standard to 100Mbps download/20Mbps upload
- Verizon, CTO – Kyle Malady: “Verizon in a millimeter wave groove”
- mmWave is a globally recognized technology and solution
 - Announced 5G mmWave deployments: NTT Docomo, KDDI, Softbank and Rakuten
- Major carriers in China have commenced formal collaboration to push mmWave in Chinese telecom market

Industry Leading 5G mmWave Solution

- Peraso Announces World's Most Integrated, Dual-Band 5G Beamformer IC
 - Targeted at End-User Equipment
 - Support for all FR2 5G NR mmWave bands:
 - 24.25 - 29.5 GHz (n257, n258, n261)
 - 37 - 43.5 GHz (n259, n260)
 - Dual-stream MIMO support with two independent 16-channel beamforming arrays (32 total channels)
- Scheduled to demonstrate evaluation module at two separate trade shows in Q3
 - MWC (Las Vegas), European Microwave Conference (Milan)
- Sampling available to select customers and partners

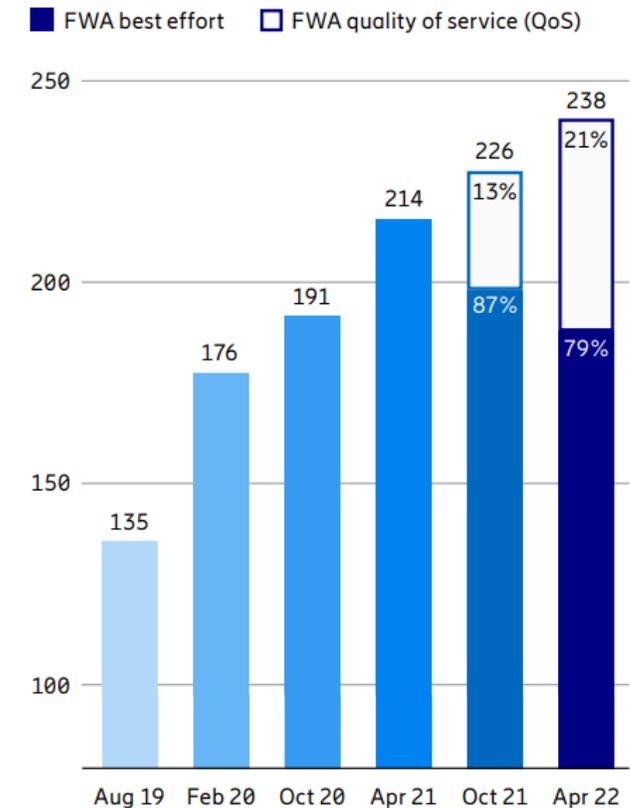


Peraso 5G mmWave Evaluation Module

Fixed Wireless Access (FWA) Market Momentum

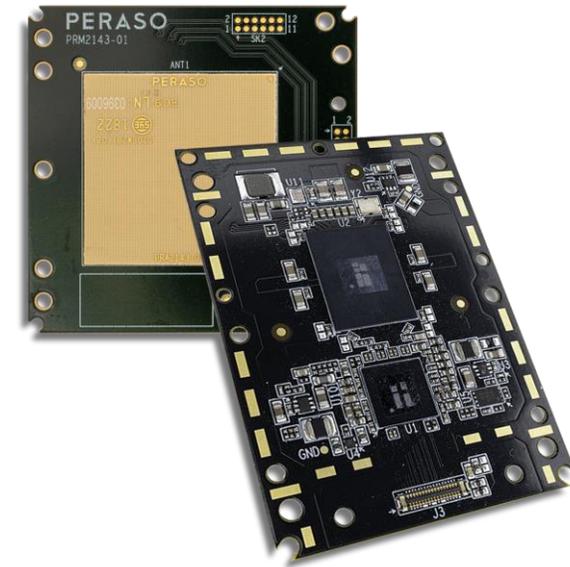
- Market trends indicating growing momentum¹
 - More than 75% of service providers in over 100 countries offer FWA
 - # of service providers offering 5G FWA increased to 75 in 1H'22
 - FWA connections to exceed 100M in '22, then double by 2027
- 'Is Fixed Wireless Ready To Take On Cable? It's Early, But The Initial Data Seem Promising' –*Forbes*
 - Wells Fargo predicts FWA will capture 60% of “net adds”
- 'FWA is the First 5G Success Story' –*Fierce Wireless*
 - Verizon/T-Mobile reported 552k new FWA customers in 2Q'22
- RDOF to provide \$20.4 billion in funding over a ten-year period to support broadband networks in rural communities
 - Excellent progress for WISP market and associated suppliers

Global number of service providers offering FWA¹



Ramping Customers and Record Bookings in FWA

- Peraso received purchase orders totaling \$6.4M for combination of mmWave IC and module products for FWA applications
 - Orders placed by two established wireless internet equipment and service providers, demonstrating the market need for comprehensive mmWave solutions
- Orders include mmWave PERSPECTUS modules introduced in 1Q'22
 - Significant reduction in customer time-to-market
 - Multi-gigabit access and point-to-multipoint capability
 - Up to 10x the range in point-to-point links
- Initial fulfillment of orders expected to commence in late 3Q'22 and continue into 2023
- Growing pipeline of new customer engagements and anticipate additional design wins and orders in the coming quarters



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FINANCIAL UPDATE

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QUESTIONS