

**Anritsu and Semtech Validate 224G/448G  
Driver Amplifiers at OFC 2026**

**Morgan Hill, CA – March 16, 2026** – Anritsu Company and Semtech Corporation are announcing a joint demonstration at OFC 2026, highlighting an advanced high-speed characterization solution for next-generation optical interconnects. Demonstrations will showcase industry-leading measurement capabilities for Semtech’s latest high-performance modulator driver amplifier ICs operating at **224 Gbps** and scaling toward **448 Gbps** per-lane data rates—critical technologies for future 1.6T and 3.2T optical module architectures.

As data centers, AI computer environments, and carrier networks continue their rapid expansion, system designers increasingly require precise tools to evaluate devices performing at extremely high frequencies and bandwidths. The joint demonstration brings together Semtech’s high-performance driver amplifier technology with the unmatched measurement accuracy of the **Anritsu VectorStar™ Vector Network Analyzer (VNA)** for comprehensive signal integrity and RF performance evaluation.

At the Semtech booth #1812 during OFC, attendees can see Semtech’s latest modulator driver ICs characterized using the Anritsu VectorStar VNA’s wide-band, high-dynamic-range S-parameter measurements. This combination provides engineers with the detailed insight required to validate device performance, optimize link budgets, and ensure reliable signal transmission at emerging 224G and 448G data rates.

“Ultra-high-speed optical systems demand precise device characterization across microwave, millimeter-wave, and sub-THz frequencies,” said Navneet Kataria, Sr. Manager, Product Marketing at Anritsu. “Pairing Semtech’s advanced semiconductor technology with our VectorStar VNA allows customers to thoroughly evaluate the RF performance required for next-generation optical architectures.”

Semtech’s driver amplifiers are engineered for the stringent linearity, gain flatness, and bandwidth requirements of next-generation optical modules. When combined with the Anritsu VectorStar VNA’s industry-leading measurement stability and frequency coverage, the joint solution gives developers a complete environment for assessing device behavior under real-world operating conditions.

“Characterizing 224G and 448G devices with this level of measurement precision is exactly what the industry needs as it moves toward 1.6T and 3.2T optical modules,” said Deepak Gidwani, Sr. Manager, Applications Engineering for signal integrity products at Semtech. “Working with Anritsu gives engineers working on next-generation optical designs a clear path to validate performance at the frequencies that matter.”

Attendees are encouraged to visit the Semtech booth to see the live setup and engage with experts from both companies regarding measurement techniques, roadmap alignment, and evolving challenges in high-speed optical design.

Anritsu will also be showcasing the world’s first and highest speed photodetector for O- and C-bands covering a bandwidth of 70 kHz to 145 GHz (170 GHz upgradable) at booth #2011.

### **About Semtech**

Semtech Corporation (Nasdaq: SMTC) is a leading provider of high-performance semiconductors powering data center networking, IoT connectivity and cellular infrastructure solutions dedicated to delivering high-quality technology solutions that enable a smarter, more connected, and sustainable planet. Our global teams are committed to empowering solution architects and application developers to develop breakthrough products for the infrastructure, industrial and consumer markets.

To learn more about Semtech technology, visit [Semtech.com](https://www.semtech.com) or follow on [LinkedIn](#) or [X](#).

### **About Anritsu**

Anritsu is a provider of innovative communications test and measurement solutions. Anritsu engages customers as true partners to help develop wireless, optical, microwave/RF, and digital solutions for R&D, manufacturing, installation, and maintenance applications, as well as multidimensional service assurance solutions for network monitoring and optimization. Anritsu also provides precision microwave/RF components, optical devices, and high-speed electrical devices for communication products and systems. The company develops advanced solutions for emerging and legacy wireline and wireless technologies used in commercial, private, military/aerospace, government, and other markets.

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