



PRESS RELEASE – FOR IMMEDIATE RELEASE

FMAX Technologies, Inc. to Debut 90 GHz Sample-and-Hold & TDR ICs at IMS 2026 in Boston

Eden Prairie, MN — June 4, 2026 — FMAX Technologies, Inc., a leading developer of high-speed channel and precision instrumentation ICs, announced today that it will showcase its next-generation 90 GHz sample-and-hold (SH) and TDR (Time-Domain Reflectometry) integrated circuits at the IEEE International Microwave Symposium (IMS) 2026, taking place June 9–11 in Boston. FMAX will exhibit at Booth #11047.

These new ICs—scheduled for sampling in Q4 2026—extend FMAX’s long-standing leadership in high-frequency mixed-signal design. The company has over 25 years of experience in the design and delivery of advanced IC designs that are relevant to datacenter interconnects and critical mmWave instrumentation. FMAX has developed a growing fabless semiconductor design and manufacturing business model that includes sample-and-hold IC’s, time-domain reflectometer IC’s, clock and data recovery (CDR), laser drivers, copper redrivers and transimpedance amplifiers (TIAs) operating across the 16–100+ GHz range.

Breakthrough Design Enabled by Cadence EMX

FMAX’s upcoming 90 GHz devices leverage extensive in-house expertise with the Cadence EMX 2.5D electromagnetic (EM) solver, a key tool used across the RF-to-mmWave design community for high-accuracy electromagnetic modeling. Cadence highlights EMX as part of its advanced RF design suite showcased at IMS 2026, underscoring its relevance for next-generation mmWave IC development.

“Maintaining consistent quality ICs designs at frequencies over 90 GHz requires a robust design methodology together with an efficient electromagnetic modelling methodology”, said Ross Mactaggart, Founder and President of FMAX Technologies. “Our team’s proficiency in developing layout and EM modelling methodologies with Cadence EMX has been instrumental in optimizing these challenging devices for performance, manufacturability, and repeatability.”

Why These New ICs Matter

The new 90 GHz sample-and-hold and TDR chips are engineered for:

- Ultra-high-speed instrumentation requiring sub-picosecond accuracy
- Next-generation datacenter test and measurement
- Advanced signal-integrity characterization for high-speed channels
- Emerging mmWave and linear-pluggable-optics ecosystems

These devices expand FMAX’s portfolio of precision analog and mixed-signal ICs, reinforcing its position as a trusted partner for customers requiring cutting-edge performance in the 30–100+ GHz domain.

Visit FMAX at IMS 2026

Attendees are invited to visit Booth #11047 to meet the engineering team and discuss sampling plans for Q4 2026.

For more information contact James Lupino, Director of Marketing & Sales, james@fmaxtech.com and visit www.fmaxtech.com.

250 Prairie Center Drive, Suite 333, Eden Prairie, MN 55344