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MilliBox unveils new products and capabilities at IMS 2026 in Boston

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Content

SAN JOSE, CA JUNE 02, 2026 --- MilliBox the leader in compact benchtop mmWave anechoic chambers and antenna positioners continues to innovate for 2026 edition of the IEEE MTT-S International Microwave Symposium in Boston MA, from June 7 to June 12, 2026. Several demonstrations are being shown at MilliBox booth 13075:

MilliBox Introduces Fast Synchronized Trigger (FST) feature for its GIM04 and GIM05 modular positioner series. FST accelerates the capture of 3D antenna radiation patterns. FST is demonstrated at IMS in the most compelling OTA setup. The setup shown consists of MilliBox MBX32CTR Compact Antenna Test Range (CATR) with the positioner GIM04F-300EV equipped with FST; the new Copper Mountain Technologies Frequency Extension Base BFX-02 and a pair of the new Virginia Diodes VNAX TxRx WR-10 frequency extenders for W-band in their M2 form factor ideal for 3D OTA captures. This demonstration shows an accelerated live capture of an AUT operating from 75GHz to 110GHz.

MilliBox demonstrates the usage of MBX32R with fixed, moving and simulated radar targets illustrating practical radar performance testing scenarios. This setup consists of MBX32 compact benchtop anechoic chamber with WLL09 instrumented wall, GIM04H-300X, 3 Axis antenna positioner, stationary trihedral corner reflectors, and Eravant STR-793-12-D1 77GHz radar target simulator. This demonstration highlights the versatility and modularity of MilliBox Radar Test Systems for everyday radar characterization and tuning in mmWave and sub-THz domain.

MilliBox showcases its best value MBX02K antenna test system when used in broadband configuration using the Anritsu ME7838 VectorStar VNA operating from 14GHz to 110GHz measuring a dual ridge Antenna from Eravant. This demonstrates the incredible versatility of MilliBox system for a wide variety of frequencies and applications. The system collects 97 3D radiation patterns in a single sweep covering an unprecedented 97GHz spectrum at once.

Cornes RF Engineering booth 11057: shows a live demonstration of an economical Compact Antenna Test Range (CATR) developed with MilliBox. This unique test setup features a lens based near-field to far-field converter with a MBX02KC chamber with GIM06 antenna positioner. This system is targeted for Ka-Band and V-Band designs. This advanced test setup also features the MATEOS.NET measurement software from Cornes controlling GIM06 positioner.

Virginia Diodes booth 17044: Showcases its new form factor VNAX TxRx called M2 specially developed for its ease of integration with 3D antenna positioner like MilliBox's GIM04H-300EV used in the demonstration.

“We launched MilliBox at IMS in Philadelphia eight years ago and since then, the demand for our products has risen continuously. As MilliBox is becoming a staple feature in many mmWave labs around the world, we continue to enrich the market with technical innovation in direct response to customer needs,” declared Dr Chinh H Doan founder and CEO of Milliwave Silicon Solutions Inc, the company behind MilliBox product line.

Tags:

Microwave, mmWave, RF, Test & Measurement, Wireless Infrastructure

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About Us:

Heading : About MilliBox

MilliBox is a product line of mmWave and THz antenna testing systems based in San Jose, California, launched by mmWave IC pioneers Chinh Doan and Jeanmarc Laurent in 2018. With over 400 setups installed worldwide, MilliBox established itself as the leader in affordable and modular benchtop over-the-air mmWave antenna test solutions. MilliBox products are carefully designed and responsibly manufactured in the USA. OTA your way!

For more information millibox@milliwavess.com