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PRESS RELEASE

**FOR IMMEDIATE RELEASE**

## At IMS2024, MilliBox and Eravant Join Forces and Launch Innovative CATR OTA Systems

**SAN JOSE, CA JUNE 7, 2024** --- Eravant the leader in mmWave and sub-THz components, and MilliBox the leader in compact benchtop mmWave anechoic chambers have partnered to launch two new Compact Antenna Test Range (CATR) products.

CATR is a type of over-the-air (OTA) antenna test system which uses a parabolic reflector to eliminate the far field measurement distance requirement. When frequency increases, the far-field distance also increases and direct far-field measurements, may become impractical for large antenna array applications. In this situation, the use of a parabolic reflector and a precisely placed probe render the test system compact and practical as a benchtop setup.

**Eravant** launches its new product line **STY-CATR-0150-OB-S1, Open Bed Compact Range**. This product is a benchtop 3D antenna testing setup with configuration capable of testing from 24GHz to 170GHz with a 150mm quiet zone. This model integrates **MilliBox** GIM04-300E 3D positioner and its complete data acquisition software. This product line is marketed by **Eravant**.

**MilliBox** unveils its new **MBX32CTR** is a complete solution for mmWave and sub-THz OTA measurement with a quiet zone of 150mm. This package includes an MBX32 chamber, GIM04H-300E 2-axis positioner, laser alignment system, 300mm parabolic reflector, and its focus probe antenna.

**MilliBox** contributes the chamber and the 3D antenna positioner, while **Eravant** developed the 300mm reflector and probes for the frequency band required. **Eravant** also contributes frequency extenders for spectrum usage above 50GHz. This full package is introduced on the market as a complete solution by **MilliBox**.

"While working together for years, we soon realized that by combining our strengths we could offer unique solutions to the OTA testing market" says Wendy Shu CEO of **Eravant**. "**MilliBox** has chambers, 3D positioners and software, while **Eravant** has frequency extenders and precision CNC fabrication expertise, it made so much sense to combine those for the market benefit"

During the IMS2024 exhibition, **MilliBox** is showing the **MBX32CTR-06** in their **booth 705** for the first time. This demonstration operates in D-Band 110GHz to 170GHz and performs a live display of 3D antenna radiation pattern captured in real time. **Eravant** demonstrates its new **Open Bed Compact Range** product **booth 1939** with live data capture at 140GHz

**About Eravant:**

Eravant, located in Torrance, California, operates from a 60,000-square-foot design, manufacturing, assembly, and testing facility focused on supplying a global customer base with millimeter wave and sub-THz (18 to 330 GHz) components, subassemblies, and test equipment. Eravant is known for supporting the customer every step of the way from lab set-up to R&D and prototype, and through program or volume production.
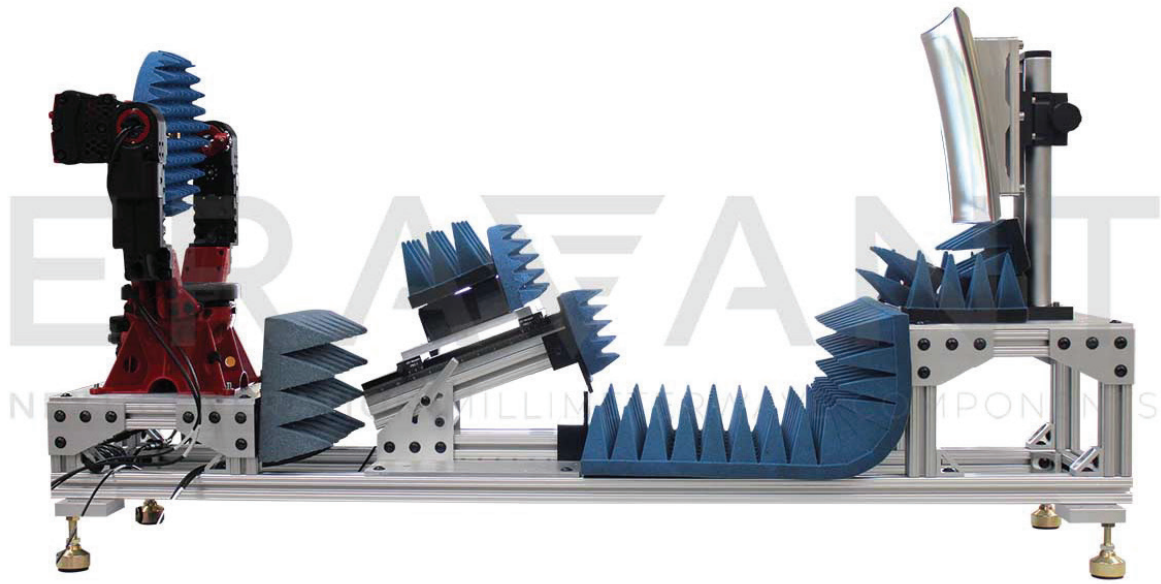
Eravant is an AS9100D certified, ITAR-registered, women-owned small business designing and manufacturing in the United States. The company's vision is to make millimeter wave and sub-THz accessible by lowering budget, knowledge, and experience barriers so more engineers and scientists can work to realize the technology of the future.

For more information email support@eravant.com

**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 300 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

*Eravant Open Bed Compact Range*

*Millibox MBX32CTR system*