



NEWS RELEASE

MEDIA CONTACT:
Copper Mountain Technologies
Rebecca Wilson
Director of Marketing
+1.317.222.5400 | rebecca.w@coppermountaintech.com

FOR IMMEDIATE RELEASE

New Over-The-Air (OTA) Antenna Test Chamber System from Copper Mountain Technologies, MilliBox, and Eravant

INDIANAPOLIS, IN, February 14, 2024 — Copper Mountain Technologies is excited to announce a new turnkey solution for customers needing to make far-field, mmWave and sub-THz antenna measurements above 18 GHz. The [OTA antenna test system](#) features a wide array of configurations depending on the user's far-field requirements, antenna size, desired frequency range, and antenna positioner functionality.

“By their simplicity and performance, these one-stop-shopping combinations are very compelling propositions for the ever-growing global market for mmWave and Sub-THz antenna testing,” explains Jeanmarc Laurent, the creator of MilliBox. “Traditional anechoic chambers are often room sized, painful to share, and very expensive to own. Instead, these bundles allow users to test phased-array antennas with a flexible and accessible measurement system at a fraction of the cost of similar offerings.”

CMT has partnered with MilliBox and Eravant to offer a complete over-the-air (OTA) antenna measurement chamber solution ranging from 18 GHz to 220 GHz. Each OTA system includes a benchtop compact anechoic chamber, a 3D antenna positioner (gimbal), sophisticated but intuitive measurement software, and other necessary accessories to fully set up a chamber for far-field antenna measurements. Each system is anchored by CMT's 2-port 9 GHz Cobalt VNA and includes a set of frequency extenders for the measurement band of your choice.

These comprehensive OTA solution bundles provide a low-cost, portable, space-saving solution that is ideal for 5G and mmWave and sub-THz antenna testing applications across automotive radar, aerospace, satellite communication, and similar industries. “We wanted to develop an over-the-air antenna measurement solution that's accessible to an assortment of radar engineers, antenna designers, etc.,” says Brian Walker, Senior RF Design Engineer SME. “The OTA bundle is an all-in-one solution that provides everything needed to accurately test small mmWave antennas. The combination of affordability and portability will enable multiple systems in a single lab environment for users to simultaneously test multiple antennas.”

About Copper Mountain Technologies

Copper Mountain Technologies develops innovative RF test and measurement solutions for engineers all over the world. It is based in Indianapolis, IN, with an R&D and service center in Cyprus, and sales offices in Singapore, London, and Miami. The company pioneered metrology-grade USB VNAs in 2011 and continues to push for innovation and change in the industry, offering a broad range of USB vector network analyzers, calibration kits, and accessories for 50 Ohm and 75 Ohm impedance from 9 kHz to 110 GHz. The VNAs use software for Windows® or Linux® operating systems on an external computer, PC, or tablet. CMT VNAs are used by engineers in many different industries, including defense, automotive, materials measurement, medical imaging and diagnostics, broadcasting, and telecommunications. All CMT VNAs include application and automation support, and years of engineering expertise at your disposal. For more information, visit www.coppermountaintech.com.

###