



NEWS RELEASE

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FOR IMMEDIATE RELEASE

Copper Mountain Technologies Delivers New RNVNA Multiport Testing Solution

INDIANAPOLIS, IN, May 4, 2020 — Copper Mountain Technologies' RNVNA solution is a customizable multiport network analysis solution for MIMO antennas and other 5G applications. RNVNA builds on the capabilities of CMT 1-Port USB vector network analyzers.

RNVNA links up to 16 analyzers together into a multiport network analysis system, allowing users to measure vector reflection and scalar transmission parameters. RNVNA is compatible with all Copper Mountain Technologies' 1-Port USB VNAs with frequency ranges up to 6 GHz (R60), 14 GHz (R140), and 18 GHz (R180).

RNVNA software allows users to manage multiple 1-Port VNAs performing required measurements. A free demo version of the RNVNA software for systems using up to three 1-Port VNAs can be downloaded from www.coppermountaintech.com.

The RNVNA solution incorporates shelving for mounting the VNAs. Each shelf is designed to fit a 19-inch rack mounting system and can house up to eight VNAs. Frequency and trigger synchronizing devices are offered as options to increase measurement speed.

RNVNA is an effective multiport analysis solution for MIMO antenna arrays in applications such as manufacturing, 5G, and more. "RNVNA users are able to measure resonance frequency and isolation in antenna arrays to confirm that their antenna setup is operating at the desired frequency range and achieving proper isolation," said CMT co-founder Alex Goloschokin. "RNVNA is able to make these crucial measurements at a significantly faster speed than traditional multiport VNA solutions which require RF switch matrices to cover the extra ports."

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 with sales offices in Singapore and Miami. The company pioneered metrology-grade USB VNAs in 2011 and continues to push for innovation and change in the industry, to ensure engineers have access to the best technology. CMT achieved ISO 9001:2015 certification in 2019. The calibration lab in the USA is accredited in accordance with the recognized international standard ISO/IEC 17025 (2017) and meets all requirements of ANSI/NCSL Z540-1994-1. All CMT VNAs include application and automation support, and years of our engineering expertise at your disposal.

Copper Mountain Technologies provides a broad range of USB vector network analyzers, calibration kits, and accessories for 50 Ohm and 75 Ohm impedance. The VNAs use software for a Windows® or Linux® operating system on an external computer, PC, or tablet. CMT VNAs are used for RF and Microwave applications from 9 kHz to 110 GHz by engineers in industries like defense, automotive, materials measurement, medical, broadcasting, and telecommunications. CMT customers range from government and defense agencies and contractors, like NASA, United States Armed Forces, Canadian DoD and law enforcement, to universities, mid-size manufacturers, like Reactel and PCTEL, and small companies with just a few employees.

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