Copper Mountain Technologies Product Catalog





Copper Mountain Technologies' VNAs



- S-parameter measurement solutions from 9 kHz to 170 GHz
- VNAs compatible with third-party extenders up to 330 GHz
- Measured parameters from S₁₁ to S₁₆₁₆
- Dynamic range as high as 152 dB typ. (10 Hz IF bandwidth)
- Measurement speeds as fast as 10 µs per
- Windows® and Linux® OS

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Copper Mountain Technologies' VNA Product Line

Maximum Frequency Limit													
CMT VNAs		1.3 GHz	3.2 GHz	4.5 GHz	6 GHz	6.5 GHz	8 GHz	8.5 GHz	9 GHz	14 GHz	18 GHz	20 GHz	44 GHz
1-Port					•					•	•		
	Standard	•	•	•		•	•	•	•		•	•	•
2-Ports	DRA								•			•	
	Fx								•			•	
	Standard								•			•	
4-Ports	DRA												
	Fx								•			•	
6+ Ports									•				
Legend: DRA — Direct Receiver Access; Fx — Frequency Extension Compatible													

	Frequency Extension Modules											
	1.85mm NMD	WR15 (V Band)	WR12 (E Band)	WR10 (W Band)	WR8 (F Band)	WR6.5 (D Band)	WR5.1 (G Band)	WR4.3	WR3.4			
	18 to 54 GHz	50 to 75 GHz	60 to 90 GHz	75 to 110 GHz	90 to 140 GHz	110 to 170 GHz	140 to 220 GHz	170 to 260 GHz	220 to 330 GHz			
9 GHz VNA Compatible	•	•	•	•	•	•						
Third-Party Extenders*		•	•	•	•	•	•	•	•			

*Only compatible with 20 GHz VNAs

Software Features of CMT VNAs

Our software can be downloaded free from our website, used on an unlimited number of PCs using either Linux or Windows operating systems, and enables easy VNA integration with other software applications and automation.

Included software features:

- Time domain and gating conversion
- Frequency offset mode
- Vector mixer calibration measurements
- Embedding and de-embedding
- Limit testing
- Power scanning
- Compression point recognition

*M Series VNAs do not include time domain, mixer measurements, or advanced calibration



Learn more about the demo software version you can download on any computer for free at any time from the Copper Mountain Technologies' website

Software Plug-ins

The VNA software is extended by many plug-ins that increase the functionality. There are a number of plug-ins that you can download for free on the CMT website, like the Amplifier Stability plug-in to plot amplifier stability K factor, Mu1 and Mu2 versus frequency by measuring 2-port S-parameters, or Third Order Intercept, to help characterize the linearity of the device under test.

Also available are plug-ins that can be purchased to simplify measurement workflows.

Automatic Fixture Removal (AFR) VNA software plug-in enables the measurement of a wide range of components through comprehensive methods tailored to specific fixture properties. It can simplify measurements made on fixtures by deembedding the fixture effects.

The **Manufacturing Plug-in** provides consistency for test settings and consistency in measurement processes. Automatically archive tests into a network folder for reporting and analysis. The plug-in template can be used, or it is easily and readily customizable.



Learn more about the software plug-ins on page 4 of the catalog or see more information about all of them on our website

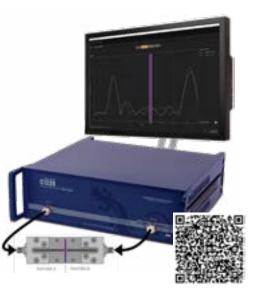
VNA Software Plug-Ins

Automatic Fixture Removal Plug-in

Automatic Fixture Removal (AFR) is an intuitive software plug-in that is used to accurately measure hard to access devices, such as SMD sized components mounted on a fixture by de-embedding the fixture effects.

The AFR VNA software plug-in enables the measurement of a wide range of components through comprehensive methods tailored to specific fixture properties.

The wizard-like interface is easy to use and is compatible with all CMT 2- and 4-port Cobalt series VNAs up to 20 GHz and Compact series two-port, two-path VNAs up to 44 GHz.



Manufacturing Test Plug-in

Manufacturing Test Plug-in supports incorporating VNA software into automated manufacturing process.

Using the manufacturing test plug-in can streamline production test processes, ensure consistency of test process across multiple operators and workstations,

easily create and manage pass/fail limits across multiple workstations, organize test results for subsequent retrieval and analysis, and adapt to any specific production test process and QMS requirements.



1-Port VNA Series



R60



Frequency range: 1 MHz to 6 GHz Measurement Points: 2-100,001 Time domain with gating standard

R140B



Frequency range: 85 MHz to 14 GHz Measurement Points: 2-100,001 Time domain with gating standard

R180



Frequency range: 1 MHz to 18 GHz Measurement Points: 2-100,001 Time domain with gating standard Optional: IP54 Rating



Compact VNA Comparison

TR Series

The TR Series Compact VNAs deliver lab grade performance in a compact package and perform 2-port 1-path measurements. The software includes all the features engineers have come to expect: time domain and gating conversion, segmented frequency sweeps, linear/ logarithmic sweeps, power sweeps, multiple trace formats, 16 channels max. with up to 16 traces each, marker math, and limit tests.

M Series

The M Series Compact VNAs deliver metrology-grade performance in a more economical package that excludes a number of advanced features: Vector Mixer Calibration, TRL Calibration, Frequency Offset mode, and Time Domain.

S Series

The S Series Compact VNAs deliver lab grade performance in a compact package and perform 2-port 2-path measurements. The software includes all the features engineers have come to expect: time domain and gating conversion, segmented frequency sweeps, linear/ logarithmic sweeps, power sweeps, multiple trace formats, 16 channels max. with up to 16 traces each, marker math, and limit tests.

SC Series

The SC Series Compact VNAs deliver lab grade performance with higher speed, more dynamic range, and higher output power in a compact package. These instruments perform 2-port 2-path measurements. The software includes all the features engineers have come to expect: time domain and gating conversion, segmented frequency sweeps, linear/logarithmic sweeps, power sweeps, multiple trace formats, 16 channels max, with up to 16 traces each. marker math, and limit tests.

Compact VNA – TR Series

Full feature performance in a compact package for 2-port 1-path measurements

TR1300/1



Frequency range: 300 kHz to 1.3 GHz Dynamic Range: 135 dB typ. (10 Hz IFBW)

Measured parameters: S11, S21

Compact VNA – M Series



*M Series VNAs do not include time domain, mixer measurements, or advanced calibration

M5045



Frequency range: 300 kHz to 4.5 GHz Dynamic Range: 130 dB typ. (10 Hz IFBW) Measurement Time per Point: 70 us min. typ

M5065



Frequency range: 300 kHz to 6.5 GHz Dynamic Range: **130 dB typ.** (10 Hz IFBW) Measurement Time per Point: 70 µs min. typ

M5090



Frequency range: 300 kHz to 8.5 GHz Dynamic Range: **130 dB typ.** (10 Hz IFBW) Measurement Time per Point: 70 µs min. typ

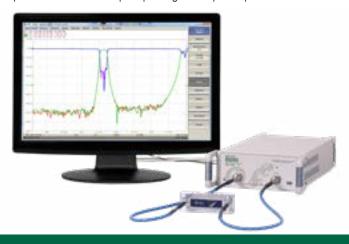
M5180



Frequency range: 300 kHz to 18 GHz Dynamic Range: 135 dB typ. (10 Hz IFBW) Measurement Time per Point: 30 us min. tvp

Compact VNA – S Series

Full feature performance in a compact package for 2-port 2-path measurements



S5045



Frequency range: 9 kHz to 4.5 GHz Dynamic Range: 130 dB typ. (10 Hz IFBW) Measurement Time per Point: 70 µs min. typ

S5065



Frequency range: 9 kHz to 6.5 GHz Dynamic Range: **130 dB typ.** (10 Hz IFBW) Measurement Time per Point: 70 µs min. typ

S5085



Frequency range: 9 kHz to 8.5 GHz Dynamic Range: 130 dB typ. (10 Hz IFBW) Measurement Time per Point: 70 µs min. typ

S5180B



Frequency range: 100 kHz to 18 GHz Dynamic Range: 133 dB typ. (10 Hz IFBW) Measurement Time per Point: 24 µs min. typ Available Software Option: Pulse Modulation

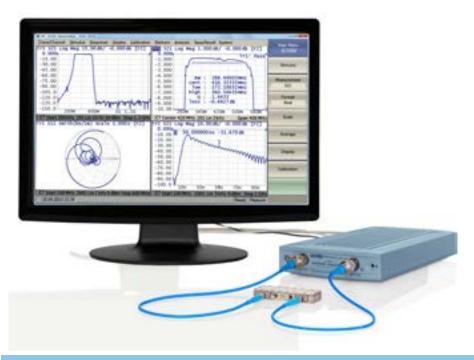
S5243



Frequency range: 10 MHz to 44 GHz Dynamic Range: 130 dB typ. (10 Hz IFBW) Measurement Time per Point: 15 µs min. typ Available Software Option: Pulse Modulation

Compact VNA – SC Series

Compact lab grade VNA with higher performance



SC5065



Frequency range: 300 kHz to 6.5 GHz Dynamic Range: 140 dB typ. (10 Hz IFBW) Measurement Time per Point: 16 us min. typ Power Range: -45 dBm to +15 dBm

SC5090



Frequency range: 300 kHz to 9 GHz Dynamic Range: 140 dB typ. (10 Hz IFBW) Measurement Time per Point: 16 µs min. typ Power Range: -45 dBm to +15 dBm

SC7540



75 Ohm Impedance

Frequency range: 100 kHz to 4 GHz Dynamic Range: **137 dB typ.** (10 Hz IFBW) Measurement Time per Point: 24 µs min. typ Power Range: -50 dBm to +10 dBm

9 GHz Multiport VNAs



- First true multiport USB VNA
- · Organic extension of Compact family without bulky RF switch
- · Better calibration, easier automation, and faster measurement speed
- Fits into the standard 19" test bay

SN5090-6

Frequency range: 300 kHz to 9 GHz

Number of Ports: 6

Dynamic Range: 140 dB typ. (10 Hz IFBW) Measurement Time per Point: 24 us min. typ

SN5090-8

Frequency range: 300 kHz to 9 GHz

Number of Ports: 8

Dynamic Range: 140 dB typ. (10 Hz IFBW) Measurement Time per Point: 24 µs min. typ

SN5090-10

Frequency range: 300 kHz to 9 GHz

Number of Ports: 10

Dynamic Range: **140 dB typ.** (10 Hz IFBW) Measurement Time per Point: 24 us min. tvp

SN5090-12

Frequency range: 300 kHz to 9 GHz

Number of Ports: 12

Dynamic Range: **140 dB typ.** (10 Hz IFBW) Measurement Time per Point: 24 µs min. typ

SN5090-14

Frequency range: 300 kHz to 9 GHz

Number of Ports: 14

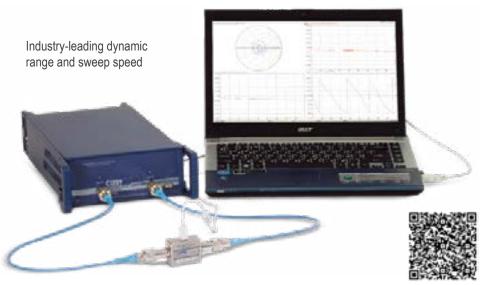
Dynamic Range: **140 dB typ.** (10 Hz IFBW) Measurement Time per Point: 24 us min. typ

SN5090-16

Frequency range: 300 kHz to 9 GHz

Number of Ports: 16

Dynamic Range: 140 dB typ. (10 Hz IFBW) Measurement Time per Point: 24 us min. typ



C1209 **Base Model**



Frequency Range: 100 kHz to 9 GHz Dynamic Range: 152 dB typ. (10 Hz IFBW) Measured Parameters: S11, S21, S12, S22 Measurement Time per Point: 10 us min. tvp

C2209 **Direct Receiver Access**

Cobalt Series: 9 GHz



Frequency Range: 100 kHz to 9 GHz Dynamic Range: **152 dB typ.** (10 Hz IFBW) Measured Parameters: S11, S21, S12, S22 Measurement Time per Point: 10 µs min. typ

C1409 **Base Model**



Frequency Range: 100 kHz to 9 GHz Dynamic Range: **152 dB typ.** (10 Hz IFBW) Measured Parameters: \$11,...\$44 Measurement Time per Point: 10 µs min. typ

C2409 **Direct Receiver Access**



Frequency Range: 100 kHz to 9 GHz Dynamic Range: **152 dB typ.** (10 Hz IFBW) Measured Parameters: S11,...S44

Measurement Time per Point: 10 µs min. typ

^{*} Prices are preliminary and are subject to change.

Cobalt Series: 20 GHz



CMT's 2- and 4-port Cobalt VNAs fit into three categories depending on the functionality you require. Base models for standard capabilities, Direct Receiver Access (DRA) models, and Frequency Extension compatible models designed to anchor your CobaltFx system.

C1220 Base Model



Frequency Range: 100 kHz to 20 GHz Dynamic Range: 135 dB typ. (10 Hz IFBW) Measured Parameters: S11, S21, S12, S22 Measurement Time per Point: 12 µs min. typ

C2220 Direct Receiver Access



Frequency Range: 100 kHz to 20 GHz Dynamic Range: 135 dB typ. (10 Hz IFBW) Measured Parameters: S11, S21, S12, S22 Measurement Time per Point: 12 µs min. typ

C1420 Base Model



Frequency Range: 100 kHz to 20 GHz Dynamic Range: 135 dB typ. (10 Hz IFBW) Measured Parameters: S11,...S44 Measurement Time per Point: 12 µs min. typ

C2420 Direct Receiver Access



Frequency Range: 100 kHz to 20 GHz Dynamic Range: 135 dB typ. (10 Hz IFBW) Measured Parameters: S11,...S44

Measurement Time per Point: 12 µs min. typ

Cobalt Series: Frequency Extension Models

Base VNAs for a cost-effective, scalable frequency extension solution

C4209



Frequency Range: 100 kHz to 9 GHz Dynamic Range: 152 dB typ. (10 Hz IFBW) Measured Parameters: S11, S21, S12, S22 Measurement Time per Point: 10 µs min. typ

C4220



Frequency Range: 100 kHz to 20 GHz Dynamic Range: 135 dB typ. (10 Hz IFBW) Measured Parameters: S11, S21, S12, S22 Measurement Time per Point: 12 µs min. typ

C4409



Frequency Range: 100 kHz to 9 GHz Dynamic Range: 152 dB typ. (10 Hz IFBW) Measured Parameters: S11,...S44 Measurement Time per Point: 10 µs min. typ

C4420



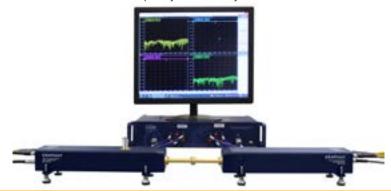
Frequency Range: 100 kHz to 20 GHz Dynamic Range: 135 dB typ. (10 Hz IFBW)

Measured Parameters: S11,...S44

Measurement Time per Point: 12 us min. tvp

CobaltFx Frequency Extenders

Cost-effective millimeter wave frequency extension system



FET1854



Frequency range: 18 GHz to 54 GHz

Connector: Coaxial 2.4mm

System Dynamic Range: 130 dB typ. (10 Hz IFBW)

Output power: +5 dBm

FET-WR15



Frequency range: 50 GHz to 75 GHz

Connector: Waveguide

System Dynamic Range: **120 dB typ.** (10 Hz IFBW)

Output power: +5 dBm

FET-WR12



Frequency range: 60 GHz to 90 GHz

Connector: Waveguide

System Dynamic Range: **110 dB typ.** (10 Hz IFBW)

Output power: +5 dBm

FET-WR10



Frequency range: 75 GHz to 110 GHz

Connector: Wavequide

System Dynamic Range: 110 dB typ. (10 Hz IFBW)

Output power: +5 dBm



CobaltFx Frequency Extenders

Cost-effective millimeter wave frequency extension system

FET-WR15-HP



Frequency range: 50 GHz to 75 GHz

Connector: Waveguide

System Dynamic Range: **120 dB typ.** (10 Hz IFBW)

Output power: +15 dBm

FET-WR12-HP



Frequency range: 60 GHz to 90 GHz

Connector: Waveguide

System Dynamic Range: **110 dB typ.** (10 Hz IFBW)

Output power: +15 dBm

FET-WR10-HP



Frequency range: 75 GHz to 110 GHz

Connector: Wavequide

System Dynamic Range: 110 dB typ. (10 Hz IFBW)

Output power: +13 dBm

FET-WR08



Frequency range: 90 GHz to 140 GHz

Connector: Wavequide

System Dynamic Range: 100 dB typ. (10 Hz IFBW)

Output power: -5 dBm

FET-WR06



Frequency range: 110 GHz to 170 GHz

Connector: Waveguide

System Dynamic Range: 100 dB typ. (10 Hz IFBW)

Output power: -5 dBm

CobaltFx Tx Frequency Extenders

This frequency extender can be used to measure one-path transmission (S21 or S12) through DUT when paired with compatible receiver.

FET-WR15-Tx



Frequency range: 50 GHz to 75 GHz

Connector: Waveguide

System Dynamic Range: **120 dB typ.** (10 Hz IFBW)

Output power: +5 dBm

FET-WR12-Tx



Frequency range: 60 GHz to 90 GHz

Connector: Waveguide

System Dynamic Range: **110 dB typ.** (10 Hz IFBW)

Output power: +5 dBm

FET-WR10-Tx



Frequency range: 75 GHz to 110 GHz

Connector: Waveguide

System Dynamic Range: **120 dB typ.** (10 Hz IFBW)

Output power: +5 dBm

FET-WR08-Tx



Frequency range: 90 GHz to 140 GHz

Connector: Wavequide

System Dynamic Range: **100 dB typ.** (10 Hz IFBW)

Output power: -5 dBm

FET-WR06-Tx



Frequency range: 110 GHz to 170 GHz

Connector: Waveguide

System Dynamic Range: 100 dB typ. (10 Hz IFBW)

Output power: -5 dBm

FET-WR05-Tx



Frequency range: 150 GHz to 220 GHz

Connector: Wavequide

System Dynamic Range: 90 dB typ. (10 Hz IFBW)

Output power: -5 dBm



CobaltFx Rx Frequency Extenders

This frequency extender can be used to measure one-path transmission (S21 or S12) through DUT when paired with compatible transmitter.

FET-WR15-Rx



Frequency range: 50 GHz to 75 GHz

Connector: Wavequide

System Dynamic Range: **120 dB typ.** (10 Hz IFBW)

Test Port Input Power: +5 dBm, typ

FET-WR12-Rx



Frequency range: 60 GHz to 90 GHz

Connector: Waveguide

System Dynamic Range: 120 dB typ. (10 Hz IFBW)

Test Port Input Power: +5 dBm

FET-WR10-Rx



Frequency range: 75 GHz to 110 GHz

Connector: Waveguide

System Dynamic Range: **120 dB typ.** (10 Hz IFBW)

Test Port Input Power: +10 dBm. max

FET-WR08-Rx



Frequency range: 90 GHz to 140 GHz

Connector: Waveguide

System Dynamic Range: **100 dB typ.** (10 Hz IFBW)

Test Port Input Power: +10 dBm, max

FET-WR06-Rx



Frequency range: 110 GHz to 170 GHz

Connector: Waveguide

System Dynamic Range: 100 dB typ. (10 Hz IFBW)

Test Port Input Power: +10 dBm, max

FET-WR05-Rx



Frequency range: 150 GHz to 220 GHz

Connector: Waveguide

System Dynamic Range: 90 dB typ. (10 Hz IFBW)

Test Port Input Power: +10 dBm, max

5G OTA Antenna Test System



Over-the-Air Antenna Measurement Chamber Solution from 18 to 54 GHz

A new turnkey solution for customers needing to make far-field antenna measurements above 18 GHz. The over-the-air (OTA) antenna measurement chamber solution features a wide array of configurations depending on the user's anechoic chamber requirements, antenna size, desired frequency range, and antenna positioner functionality.

CMT has partnered with MilliBox to offer a complete OTA antenna measurement chamber solution for engineers needing to make measurements from 18 GHz to 54 GHz. Each OTA bundle can be configured with a set of 2,3, or 4 anechoic chamber cubes.

OTA-2S-54 (2 cubes) = 72 cm OTA-3S-54 (3 cubes) = 133 cm OTA-4S-54 (4 cubes) = 193 cm

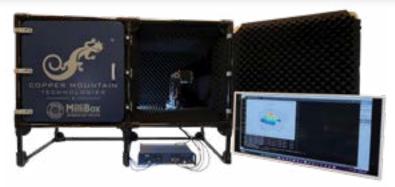
Each system includes a 3D antenna positioner (Gimbal), sophisticated but intuitive measurement software, and other necessary accessories to fully set up a chamber for far field antenna measurements.

The measurement system is anchored by CMT's 2-port 9 GHz Cobalt VNA and includes a set of CobaltFx FET1854 Frequency Extender Modules for 18 GHz-54 GHz.

These comprehensive OTA solution bundles provide a low-cost, space-saving solution that is ideal for 5G antenna testing applications across automotive radar, aerospace, satellite communication, and similar industries.

The OTA bundle is an all-in-one solution that provides everything needed to accurately test a large number of 5G antennas. The combination of affordability and portability will enable multiple systems in a single lab environment for users to simultaneously test multiple antennas."

mmWave OTA Antenna Test System



Over-the-Air Antenna Measurement Chamber Solution from 50 GHz to 220 GHz

A new turnkey solution for customers needing to make far-field antenna measurements for bands from WR-15 to WR-05. The over-the-air (OTA) antenna measurement chamber solution features a wide array of configurations depending on the user's anechoic chamber requirements, antenna size, desired frequency range, and antenna positioner functionality.

CMT has partnered with MilliBox and Eravant to offer a complete OTA antenna measurement chamber solution for engineers needing to make measurements from 50 to 220 GHz. Each OTA bundle can be configured with a set of 2,3, or 4 mmWave anechoic chamber cubes.

OTA-2H-XX (2 cubes) = 80 cm OTA-3H-XX (3 cubes) = 158 cm OTA-4H-XX (4 cubes) = 235 cm

Each system includes 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.

The measurement system is anchored by CMT's 2-port 9 GHz Cobalt VNA and a set of (1) Tx Frequency Extender and (1) Rx Frequency Extender in collaboration with Eravant. The extenders are available in the following frequencies:

- WR-15: 50 to 75 GHz
- WR-12: 60 to 90 GHz
- WR-10: 75 to 110 GHz
- WR-08: 90 to 140 GHz - WR-06: 110 to 170 GHz
- WR-05: 150 to 220 GHz

These comprehensive mmWave solution bundles provide a low-cost, space-saving solution that is ideal for millimeter wave antenna testing applications across automotive radar, aerospace, satellite communication, and similar industries.

The OTA bundle is an all-in-one solution that provides everything needed to accurately test a large number of mmWave antennas. The combination of affordability and portability will enable multiple systems in a single lab environment for users to simultaneously test multiple antennas."

Calibration Kits and Accessories

Automatic Calibration Modules

ACM2506



50 Ohm
Frequency range:
20 kHz to 6.5 GHz

ACM2520



50 Ohm Frequency range: 100 kHz to 20 GHz

ACM4509



50 Ohm Frequency range: 100 kHz to 9 GHz

ACM2708



75 Ohm
Frequency range:
20 kHz to 8 GHz

ACM2509



50 Ohm
Frequency range:
20 kHz to 9 GHz

ACM2543



50 Ohm Frequency range: 10 MHz to 44 GHz

ACM4520



50 Ohm Frequency range: 100 kHz to 20 GHz

Mechanical Calibration Kits

CMT Mechanical Calibration Kits are available from DC to 50 GHz in SOL and SOLT models.

Accessories

Copper Mountain Technologies also offers an extensive range of 50 Ohm and 75 Ohm accessories, including cables, matching pads, adapters, bias tees and other items to complete your test setup.

Customizable VNAs

When your system includes network analysis and requires a custom VNA, our engineers will work with you to find the right solution:

- Ultra-compact, rack mountable or special size analyzer that would fit in your system
- Utilizes an external computer for data processing and analysis, storage and software integration with other systems
- Purpose-built software that integrates the VNA with other system components.

We have designed our analyzers for ease of customization, so we can deliver a high performing custom VNA solution at a lower cost than any other provider.





S5180B Compact VNA



Application Solutions



RF Teaching Kit

- Complete S-parameters measurement solution that backs RF theory with a robust hands-on VNA experience and sample labs for classes
- Exclusively offered to educational institutions teaching RF
- Practical approach to a variety of measurements that will prepare students for a wide range of industry engineering jobs
- CMT can assist with creating labs designed by applications engineers to walk students through common VNA measurements
- Software is free to download on an unlimited number of PCs
- Students can perform measurement preparations and post-process results on their own computers without the measurement module

Copper Mountain Technologies' RF
Teaching Kit is a complete solution
designed to teach engineering students
RF skills. It can be used with a number of
Compact Series VNA options and includes
the calibration equipment, device under
test (DUT), and accessories necessary for
an array of common VNA measurements.
CMT's RF Teaching Kit is an affordable
way to outfit your lab with RF measurement
equipment, providing a practical introduction
to vector network analysis, which includes
sample labs for RF Engineering classes.

You can also work with CMT to create s-parameter measurement curriculum designed by RF engineers and materials to promote class interest. The RF Teaching Kit is backed by comprehensive support from Copper Mountain Technologies' expert engineers. The hardware included in the RF Teaching Kit will enable users to cover all major VNA measurements such as impedance, VSWR, return loss, and insertion loss.

Application Solutions

Materials Measurement Solutions

Copper Mountain Technologies strives to support customers using vector network analyzers outside of traditional uses for the instruments. That includes many customers using a VNA for materials measurements. We have identified two partner companies that are experts in materials measurements, Compass Technology Group and Swissto12. CMT can work together with these partners to find the best solution for engineers needing to make materials measurements.



Compass Technology Group has a range of measurement solutions from focused beam to resonate measurements to specialized probes and more.





Swissto12 is a company with a solution called MCK, or Materials Characterization Kit. This system can measure dielectric properties between 25 and 1100 GHz. The MCK can measure solids, or even liquids or powders with the optional case.



Contact a Copper Mountain Technologies representative to discuss the best options for each unique materials measurement solution.



Copper Mountain Technologies develops innovative and robust RF test and measurement solutions for engineers all over the world. The company was created in 2011 and based in Indianapolis, IN with sales offices in Singapore, United Kingdom, and Miami. Copper Mountain Technologies' world-class metrology and engineering resources work as an extension of your team.

Copper Mountain Technologies' VNAs include an RF measurement module and a software application that runs on an external Windows or Linux PC, laptop, or tablet, connecting to the measurement hardware via USB interface. The result is a faster, more effective test process that fits into the modern workspace.

The engineers at Copper Mountain Technologies extend their reach by using the latest available technologies and components, and continuously improving product selection and service. The goal is to help engineers and developers extend their reach by equipping them with cutting-edge test instruments that are small but accurate, lightweight, and affordable.

▶ We're creative. We're problem solvers.







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