

Vector Network Analyzer (VNA) Product Training eLearning

Boost your measurement skills



Benefits

Get the most out of your Keysight software quickly, building your measurement confidence and insight.

Complete duration

5 hours (including exam)

Delivery method

State-of-the-art self-paced eLearning modules developed by Keysight experts.

eLearning Overview

A complete and focused set of eLearning modules to help you find success with your Keysight vector network analyzer at your pace.

What you will learn

The program provides a basic understanding of VNAs, their uses and how they operate. You will build a strong foundation in VNA measurements. This includes measuring the linear performance of passive and active devices, various calibration choices, making S-parameter measurements for a variety of device types, and measuring high gain and high-power devices.

Who should attend

Hardware design and software engineers in the wireless communications and aerospace & defense industries. This is of particular interest for new or experienced engineers looking to optimize the use of VNAs for evaluation and development of components, transmitters and systems.

eLearning	What you will learn	Duration
Overview of VNAs	<ul style="list-style-type: none"> • Definition of VNAs • Uses of VNAs • VNA block diagrams • VNA user-interface choices • VNA measurement architecture • Setting up VNA measurements 	1 hour
Using VNAs for S-parameter Measurements	<ul style="list-style-type: none"> • S-parameter measurements of passive and active devices • Calibration choices • Considerations for non-connectorized devices • Measuring differential devices • Measuring devices with multiple ports 	2 hours
Using VNAs with High-Gain and High-Power Devices	<ul style="list-style-type: none"> • Measuring high-gain devices • Configuring high-power setups 	1 hour
Comprehensive Exam	<ul style="list-style-type: none"> • Comprehensive test covering all modules 	1 hour
Program Package (T6506A-100)	<ul style="list-style-type: none"> • All three VNA modules, as described above • Comprehensive exam • Program completion certificate 	5 hours

Next step

Visit [Keysight Services](#) to unleash the full potential of your business.



Keysight enables innovators to push the boundaries of engineering by quickly solving design, emulation, and test challenges to create the best product experiences. Start your innovation journey at www.keysight.com.

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