Agilent PNA Network Analyzer Operations
Course Overview

Course Numbers:
Agilent Training Center: H7215A #203
Onsite Training: H7215B #203

Gain a better understanding of the PNA product operation

Course overview

This one-day course presented by Agilent Technologies, begins with instruction on how to fundamentally operate the new PNA using both the Windows® 2000 interface and the front panel. We will also cover the internal architecture, calibration techniques and various test set configurations used for optimizing dynamic range and for making higher power measurements.

What you will learn

- Fundamental operation of the PNA using the Windows interface and/or the front panel
- Internal architecture fundamentals

Specifications

Course type
User training

Audience
RF microwave engineers and technicians

Prerequisites
An understanding of RF fundamentals

Course length
One day

Course format
50% lecture and 50% lab

Delivery method
Scheduled at Agilent locations, or **Dedicated** at a customer site.

To save you time and travel, many Agilent courses can be delivered at your site. Agilent can provide required equipment, or you can save money by furnishing your own.

Detailed course agenda

Introduction

Product operation fundamentals
- Hibernating
- Controlling the instrument
- Formatting a trace
- Windows, channels and traces
- Displays
- Markers
- Toolbars
- Printing
- Cal sets and instrument states

Internal architecture
- General block diagram
- Sources
- Sweep types
- Signal separation devices

Receivers
- Display
- Test port lights

Test set configurations
- Standard configuration
- Forward/reverse measurements
- Configurable test set: Option 015
- High dynamic range configuration
- Test set power levels
- High power configuration

Calibration
- Measurement errors
- Calibration types
- Error models
- Accuracy examples
- Calibrating on the PNA
- Non-insertable devices

Advanced topics
- PNA and ADS (Agilent EEsof)
- Time domain
- External leveling control
- External AM modulation
- Arbitrary measurement types

For the latest information on class schedules and locations visit our website:
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www.agilent.com/find/open
Agilent Open simplifies the process of connecting and programming test systems to help engineers design, validate and manufacture electronic products. Agilent offers open connectivity for a broad range of system-ready instruments, open industry software, PC-standard I/O and global support, which are combined to more easily integrate test system development.

LXI

www.lxistandard.org
LXI is the LAN-based successor to GPIB, providing faster, more efficient connectivity. Agilent is a founding member of the LXI consortium.

Windows® is a U.S. registered trademark of Microsoft Corporation.

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Product specifications and descriptions in this document subject to change without notice.

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