

Spectrum Analysis

Course Number: H7215A-169

COURSE OVERVIEW

Gain a better understanding of spectrum analysis measurements

This one-day course presented by Keysight Technologies, Inc. is designed to provide the theoretical fundamentals and in depth hands-on experience on practical spectrum analysis measurements. The content is focused on X-Series spectrum analyzers, EXA N9010A, MXA N9020A and PXA N9030A.

Detailed Course Agenda

- Spectrum analyzer fundamentals
- Sensitivity, resolution, accuracy
- Block diagram
- Demonstrations of spectrum analyzer theoretical concepts
 - Tune, zoom, measure
 - Resolving equal and unequal amplitude signals
 - Noise sidebands
 - Measurement of small signals
 - Dynamic range analysis
- Spectrum, modulation, S/N measurements and more
- Measurement uncertainties and errors
- Demonstrations of modulation measurements
 - AM/FM measurements
 - AM/FM demodulation
 - Pulsed RF measurements
- Simplifying complex measurements

Course Type:

User/Application Training

Audience: Test Engineers, Technicians and Managers who are using spectrum analyzers

Prerequisites: None

Course Length: 1 day

70% lecture/ 30% lab

Price: \$495 per student (USD)

What you will learn

- Gain basic operation skills for the X-Series Understand the fundamental block diagram and technical specifications of a spectrum analyzer
- Understand dynamic range considerations
- Gain experience evaluating measurement accuracy
- Practical lab experience

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

To receive additional information, register for this course, or to view Keysight's other course offerings, please visit our website at: www.keysight.com/find/training.

