

# Spectrum and Interference Analysis Training



This new one-day course is an instructor-led course focusing on the basics of Spectrum Analysis and Interference Analysis using new features relating to the Anritsu hand-held Spectrum Analyser range of products.

## Why Anritsu training?

### Hands-on

50% of the course is hands-on so you can learn by doing the task and not by watching.

### Cost Savings

Eliminate or significantly reduce your travel expenses because training sessions are offered in a location close to you.

### Critical Emphasis

Fine-tune points and techniques that are of particular importance to your operations. Skilled instructors and staff can tailor the module to meet your requirements.

### Schedule

Training sessions can be easily scheduled months in advance. Get more specific details regarding class location, including information on discounts or having a dedicated training session at your company site.

## Who should attend the Spectrum and Interference Analysis Training

- Wireless Carriers
- Base Station OEM's
- Tower Companies
- Field Engineers
- Installers
- Site Managers

## You will learn

- Technical aspects of Spectrum Analysis
- How to set up basic Spectrum Analysis measurements
- How to perform power measurements
- How to identify an interfering signal
- How to locate an interfering signal



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## Course content

### Lecture 1: Introduction to Spectrum Analysis

- What is a Spectrum Analyser
- Fundamentals of Spectrum Analysis

### Lecture 2: Modulation

- What is modulation and why is it useful?
- Examples of modulation

### Lecture 3: Spectrum Analyser Functions

- Characteristics of a Spectrum Analyser
- Basic set up and functions

### Lab 1: Basic Setup and Operation (Instructor-led)

- Spectrum Analyser functions and operations

### Lab 2: Modulation Measurements (Self-paced)

- Basic analogue modulation measurements
- Digital modulation measurements

### Lecture 4: Advanced Functions

- Using RBW to resolve close signal proximity
- Trace functions
- Limit Line functions
- Power measurements

### Lab 3: Advanced Measurements

- Advanced measurements using RBW, Trace and Limit Lines

### Lecture 5: Interference Analysis

- What is interference?
- Interference identification
- Monitoring interference
- Location interference

### Lab 4: Locating an Interfering Signal

- Locating an interfering signal using Interference Analysis software (option 25)

## Course duration

One day



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