

# PIM Master™ Certified PIM Measurement Training



PIM Master Certification is only available through Anritsu instructor-led training. PIM Master Passive Intermodulation Measurement Training is an intense one-day instructor led training course that uses the MW82119B series battery-operated, high power, portable, Passive Intermodulation Analyzer to identify the source and exact location of PIM problems. Students will gain valuable hands on experience using the PIM Master MW82119A and demonstrate the knowledge they've acquired in both a written and practical exam. Everyone who passes this PIM Certification Course will receive a Certificate of Completion along with a photo ID badge.

## Please note

This class is NOT for those who are new to line sweeping or PIM testing. Students with no background in these areas are at a severe disadvantage and unlikely to pass the rigorous tests that certification requires. If you are new to this industry, we strongly recommend completing our 2-day, instructor-led line sweep certification course. At a minimum, please complete our free online line sweep and PIM (non-certification) courses before attending this training. Completion of recommended training does not guarantee PIM certification.

## Why Anritsu training?

### Hands-on

Learn by doing the task and not by watching. 50% of the course is hands-on.

### Cost Savings

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

### 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 Anritsu's Certified PIM Measurement Training?

- Installers
- Tower Companies
- Wireless Carriers
- Field Engineers
- Site Managers
- Base Station OEMS

## You will learn

- Technical aspects of PIM Measurements
- How to set up a PIM Measurement
- Useful examples of what works and what doesn't
- Interpreting results, Locating the PIM



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# PIM Master™ Certified PIM Measurement Training (continued)



## Lectures

- What is PIM and How to Measure it?
- How to Set Frequency and PIM Order
- How to Set Amplitude and Power
- How to Verify Proper Operation
- How to Conduct PIM and DTP Tests
- How to Determine Pass/Fail
- What Causes PIM?
- Safety
- PIM Master Controls
- Calibration
- Saving and Recalling Setups
- Making PIM Measurements
- Save/Recall/Copy Measurement Files
- Things Not to do
- The Right Way to Test
- PIM vs. Time Measurement
- Distance to PIM (DTP)
- Swept PIM Measurements
- Testing Sequence
- Useful Info

## Labs

- Connecting the equipment
- Confirming proper operation
- Measuring known good devices
- Measuring known bad devices
- Device measurement practice

## Exam

- Theory and safety
- Hands-on practical

## Course content detail

- Lecture 1: Introduction to PIM
- Lecture 2: Causes of PIM / Safety
- Lecture 3: Hookup and Setup
- Lecture 4: Making PIM and DTP Measurements
- Lecture 5: Proper & Improper PIM Measurement Techniques
- Lab 1: Preparing PIM Measurements
- Lab 2: Making PIM and DTP Measurements
- Lab 3: Noise Floor Measurements
- Lab 4: DTP Trace Overlay
- Lab 5: DTB\_DTF Trace Overlay
- Exams



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