Courses designed to get your career on the right frequency.

As a member of the wireless communications industry, you know the importance of quickly adapting to the emerging technologies, products and applications. And with tight budgets, and even tighter timelines, fine-tuning your present skills, while enhancing your expertise with newer, more efficient methods has become more difficult than ever before.

That's why Anritsu proudly presents this series of RF and Wireless Communications Training Courses.

Who should attend?

- Wireless Carriers
- Base Station OEMs
- Tower Companies
- Field Engineers
- Site Managers
- Installers
- Public Safety

Training Courses.

These one- and two-day intensives outline today's most sought-after skills and provide attendees with the tools necessary to compete in the lab, field or wherever your operations may take you.

You'll find these classes are led by professionals who are experts in their field—master field engineers who bring unique perspectives from real-world experiences. What's more, in addition to lectures, discussion and lab work, you will learn by doing: 50% of course time features hands-on simulations. These exercises provide conditions that are comparable, and frequently predictive to real life situations.

Upon conclusion of each module you'll earn an official Anritsu Certificate of Completion. Plus, you get to keep individual course manuals, a handy, invaluable resource for the countless situations you undoubtedly will encounter.

Make sure your skills measure up. Register today!

Whether you want to learn new technologies or improve the RF and Wireless measurement skills you already know, Anritsu has the course to support your goals and place you in a better overall career position. Our skilled instructors can tailor each module to meet your objectives as well as modify points and techniques that are of particular importance to your operations and career goals.

Better yet, our classes are designed to fit your schedule. Training sessions can be held at your company or an Anritsu-specified location (typically near major U.S. cities). Advanced registration and schedule information is located online at www.us.anritsu.com/training.

For course fees or general questions, call 1-800-ANRITSU, email us.training@anritsu.com or visit www.us.anritsu.com/training.

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Master Your Career

RF and Wireless Training Courses

Sign Up Today for Anritsu RF and Wireless Training Courses

Enhance your career and improve your job skills with Anritsu training courses. Classes are a perfect fit for engineers, technicians and installers in all facets of the wireless industry.

Join this growing field as an Anritsu trained professional.

Introduction to Line Sweeping Principles
One-day intensive

Master your line sweeping instrument and learn about specialized principles that you can apply to any line sweeping instrument, to any application.

What you will learn:

- Technical aspects of line sweeping
- How to effectively set up a line sweep
- Effects of cable length, type and system components on sweeps
- How to pinpoint faults
- How to identify, locate, document and resolve cable line transmission fault

Site Master™ Advanced Line Sweep
One-day intensive

As a follow-up to Site Master Certified Line Sweep Training, this course provides a deeper understanding of all aspects of line sweeping including the increasingly important two port measurements needed for today's more complex installations that include duplexers and TMAs.

What you will learn:

- RF and transmission line fundamentals
- In-depth line sweep measurements theory
- The importance of proper equipment calibration
- Estimating system return loss and insertion loss
- The effects of various system components on line sweep measurements
- How to use a 2-Port Site Master to evaluate Tower Mounted Amplifiers and TMA systems
- Distance-To-Fault theory
- How to optimize DTF parameters in complex systems

Site Master™ Certified Line Sweep
Two-day intensive

Move beyond line sweeping principles and explore RF line sweep theory and technology. Plus, you will be given the opportunity to take the Site Master Line Sweep Certification Exam, an exhaustive 4-hour written and hands-on test. With your passing grade, you will be provided with photo ID certification, an exclusive card signifying your skills and knowledge of Site Master Operation and Line Sweeping techniques.

What you will learn:

- Techniques and skills presented in our Line Sweeping Principles course
- RF line sweep theory and technology
- How to use Distance-To-Fault to get accurate and meaningful DTF results

Broadband Line Sweep Principles
One-day intensive

Discover how easy it is to get accurate and reliable RF and microwave line sweep measurements using the Site Master S810/S820 series.

What you will learn:

- The differences and similarities when using waveguide and coaxial cable
- The effects of waveguide length, type and system components on sweeps
- The importance of proper equipment calibration
- How to set up a line sweep measurement
- Technical aspects of line sweep measurements:
  - Return Loss/VSWR
  - Insertion Loss
  - Distance-To-Fault
- How to identify, locate, document and resolve cable line transmission faults

W-CDMA, HSDPA, Node B Measurement Training Course (using the Anritsu BTS Master™)
Two-day intensive

Learn W-CDMA theory and master practical Node B measurements. Discover the full power of the MT8222A.

What you will learn:

- The essential W-CDMA BTS measurements including channel and code domain power, EVM, Noise floor, Peak Code Domain error, ACPR and frequency error
- How to make Over the Air (OTA) measurements such as Pilot Dominance, EVM and power measurements
- Learn basics of Line Sweeping, Spectrum and Interference Analysis.
- Learn GSM and EDGE concepts and BTS measurements.
- How to use Master Software Tools to download, save, and edit your important measurements as well as remote operation of the BTS Master.

Introduction to Spectrum Analysis
One-day intensive

Get in-depth training on Spectrum Analyzer operation basics and frequently used measurements.

What you will learn:

- RF basics, in brief
- The essentials of handheld Spectrum Analyzer operation
- Common measurements such as:
  - Channel Power
  - Occupied Bandwidth
  - Adjacent Channel Power
  - Field Strength

Interference Analysis
Two-day intensive

Discover the operation basics of a handheld Spectrum Analyzer and how to perform specialized signal interference analysis.

What you will learn:

- Techniques and skills presented in our Spectrum Analysis course
- Fundamentals of interference in wireless networks
- The process for determining interference problems and locating its source
- Practical tips on measuring interference

Introduction to Cell Master™ and Base Station Measurements
One-day intensive (lecture only)

Learn the basics of how to set up, perform, and interpret key Base Transceiver Station measurements using a Cell Master.

What you will learn:

- Principles of Return Loss and Distance-To-Fault line sweeps
- Power meter measurements
- Spectrum analysis basics:
  - Set up and use
  - Identifying signal types
  - Common BTS measurements (i.e., Occupied Bandwidth, ACPR, Channel Power, Carrier-to-Interference Ratio)
- How to use interference analysis tools (Spectrogram, Signal Strength, RSSI, and Signal ID)
- The key CDMA or GSM measurements for your specific network
- How to use Handheld Software Tools to download, save, and edit your important measurements

CDMA/EVDO Base Station Measurements and Troubleshooting with Cell Master
Two-day intensive

Reduce operating expenses by understanding the critical measurements in maintaining modern Base Transceiver Station equipment.

What you will learn:

- How to perform line sweep measurements, including Distance-To-Fault
- Fundamental spectrum analyzer measurements (i.e. Occupied Bandwidth, ACPR, Channel Power)
- How to use interference analysis tools (Spectrogram, Signal Strength, RSSI, and Signal ID)
- Power meter measurements
- The essential CDMA measurements (i.e., Code Domain Power, Pilot Power, Multi-channel rho, Carrier Frequency Error, RMS Channel Power and others)
- Key EVDO (CDMA2000 1xEVDO) measurements such as Pilot/Mac power, Pilot power, Occupied Bandwidth, Carrier Frequency, Idle Activity, Idle Data power, etc.
- Significant Channel Scanner measurements

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