

# Site Master™ Advanced Line Sweep Training Course

## Site Master Advanced Line Sweep Training

As a follow-up to Site Master Certified Line Sweep training, this one-day course is designed to provide a deeper understanding of all aspects of line sweeping.

- **Hands-on:** Learn by doing the task and not by watching.
- **Critical Emphasis:** Fine tune the points and techniques that are of particular importance to your operations. Our 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.

- **Contact us directly:**  
Email us at [us-training@anritsu.com](mailto:us-training@anritsu.com)  
Register on-line at [www.us.anritsu.com/training](http://www.us.anritsu.com/training)  
or contact one of our distributors:

- **Hutton Communications,**  
(877) 648-8866 ext. 0196  
[www.huttoncom.com](http://www.huttoncom.com)
- **Primus Electronics,**  
(800) 435-1636  
[www.primuselectronics.com](http://www.primuselectronics.com)
- **Talley Communications,**  
(800) 949-7079  
[www.talleycom.com](http://www.talleycom.com)
- **Tessco,**  
(800) 472-7373  
[www.tessco.com](http://www.tessco.com)

## Who Should Attend Anritsu's Advanced Line Sweep Training?

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

## You Will Learn

- RF and transmission line fundamentals
- An in-depth theory of line sweep measurements
- The importance of proper equipment calibration
- How to estimate 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, and how to optimize DTF parameters in complex systems



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# Yes! Sign up now for the Site Master™ Advanced Line Sweep Training Course...

## What You Get:

- Course Manual
- Certificate of Completion

## Course Fees (call for pricing):

Site Master Advanced Line Sweep Course (at an Anritsu specified location)

Site Master Advanced Line Sweep Course (at your location)

## Course Outline:

**Lecture 1:** RF and transmission line fundamentals

**Lecture 2:** Return loss/VSWR and insertion loss measurements, calibration essentials, vector network analyzer basics, and estimating system return loss and insertion loss

**Lecture 3:** Understanding how complex system components affect line sweep measurements

**Lab 1:** Measurements of system components

**Lecture 4:** Two port measurements

- How to measure Tower Mounted Amplifiers (TMAs) with the Site Master S251C
- Antenna isolation measurements

**Lab 2:** 2-Port measurements

**Lecture 5:** De-mystifying Distance to Fault

- How a Distance to Fault measurement is created
- Understanding various DTF parameters and their effect on DTF measurements
- How to get the best results from DTF
- How complex components affect DTF measurements

**Lab 3:** Distance To Fault measurements

**Lecture 6:** Advanced topics in Handheld Software Tools

## Cancellation Policy:

Contact Distributors for Policy.

## Need Certified Line Sweep Training?

Some companies require Anritsu Line Sweep Certification for personnel that sweep their sites. Please ask for the two day Anritsu Certified Line Sweep Course if you require certification.

## SALES CENTERS:

United States & Canada (800) ANRITSU

South America 55 (21) 2527-6922 • Europe 44 (0) 1582-433433

Japan 81 (46) 223-1111 • Asia-Pacific (852) 2301-4980

PN: 11410-00343, Revision C

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