

LINE and ANTENNA SWEEP

If your work includes any type of wireless electronic communications system, this course is for **YOU!**

Receive years of experience over 2 days in a concise, systematic way that will enhance your skill level, regardless of your experience level!

Line and Antenna Sweep (LAS)

Line and Antenna Sweep is a comprehensive two day, hands-on course that will give you all of the necessary knowledge in order to test and evaluate RF signals that originate at the output of a radio transmitter and eventually are propagated to a receiver. The class begins with basic theory of antennas and transmission lines, and concludes with hands-on applications of everyday problems found in the field. Designed to include beginners as well as senior level technicians and engineers, this course goes beyond traditional line sweep which only shows a small snippet of antenna performance.

Nowhere else will you gain experience using line sweep tools from multiple vendors!

Discussions will include:

- Antenna types, mounting techniques, propagation, gain and losses, decibels, pattern distortions, SWR, return loss, distance-to-fault, range, impedance matching, bandwidth, efficiency, power levels, static and dynamic down tilt, selecting the correct components for optimal results, beamwidth, polarization, mixed use towers, transmission line selection, antenna diversity, splitters, couplers, taps, and lightning protection.

Hands-on exercises will include:

- Testing fundamentals, reflectometers, RF wattmeters, calibration, determining problems, distance-to-fault measurements, system sweeps, FDR operation, and troubleshooting.



FCC / ETA-I Authorized Certification Administrators

◆Industry certification available upon request◆

Training when you want it, where you want it!



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