
HP E4900 Spectrum Monitoring Systems User Training

Technical Data

Class Overview

As the need for Cellular time increases the radio interference also increases, which in turn limits our economic growth. The HP E4900 will allow for monitoring bandwidths within a spectrum.

Course Features

- Measurements and operations of the E4901
- Systems Administrations
- Capabilities of the E4901 for:
- Band Clearing
- Interference detection
- Specific measuring capabilities:
- Signal logging
 - Automatic power and frequency
- Channel occupancy
 - Channel definition
 - Measure occupancy as a % of time
- Statistical measurements
 - Max. and average power (channelized)
 - Fixed and variable threshold availability (channelized)
- Carrier measurements
 - Max. and average power SNR

- Occupied bandwidth
- % AM
- Profile compliance

- Specific control and display capabilities:
- Monitoring
- Alarms
- Reports
- Task scheduling
- Data export

Specifications

Course Length
3 days

Audience

RF network technicians and or engineers involved with the installation, maintenance manufacturing and servicing of cellular and PCS networks and network elements.

Prerequisites

General Knowledge of RF communications networks and related technology.

Delivery Method
Dedicated

Format

Course content is 60% lecture and 40% hands-on labs to familiarize the students with the HP8921 and its applications.

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Classroom Training Benefits

Experienced HP Instructors

Learn from an experienced HP instructor who is a specialist in using and applying test instrumentation to optimize and troubleshoot cellular and PCS networks.

Available at HP Classroom or Your Site

Classes can be arranged at one of HP's many learning facilities located across the country. Or, save travel expenses and time by organizing a dedicated class at your location.

Extensive Hands-on Practice

HP classroom training is characterized by extensive hands-on experience and interactive class discussion. HP classroom training pays off immediately because it is geared to real-world solutions.

Comprehensive Student Materials

Copies of course materials are provided for future reference on the job.

Course Number: H7210B opt. 205 (Dedicated)

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Detailed Course Agenda

Introduction

- Spectrum Analyzer Basics
- Systems Description
- Applications
 - Band clearing
 - Interference detection

Interactive operation

- Spectrum analyzer control window
 - Parameter setting
 - Marker functions
 - Profile and threshold definition
 - Lab
- Multiple band window
 - Band selection
 - Display formats and tilting
 - Lab

Automatic measurements

- Monitoring plans
 - Measurement definitions
 - Band definitions
 - Threshold definitions
 - Lab(s)

Additional labs

- Alarms and signal detection lab
- Report lab
- Data export lab
- System administration lab
- Application specific lab

Ordering Information

To order HP E4900 Spectrum Monitoring System User Training (H7210B opt. 205) course in the U.S. call 1-800-HPCLASS (800-472-5277).

HP's Customer Registration Center can provide you with price, scheduling and enrollment information about dedicated delivery or customizing a course for your specific needs.

Outside the U.S., contact your nearest local HP sales office.

Region Sales Headquarters:

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