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# AMPS Base Station Testing

## Technical Data

### Class Overview

This course is designed to provide a general nature of D-Channel communications with examples. Class includes the operation and field applications in order to maximize the Cellular/ RF Technicians productivity.

### Course Features

- Basic AMPS Technology
- HP 8921
- Spectrum Monitoring and Channel Quality Measurements
- Frequency Plan Development
- Loading and Using Auto Test Software
- Antenna Sweeps

### Specifications

#### Course Length

Up to 2 days

#### Audience

RF network technicians and/or engineers involved with the installation, maintenance manufacturing and servicing of cellular 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 HP 8921 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.

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## AMPS Base Station Testing (H7210B opt. 201)

### Detailed Course Agenda

- Basic AMPS Technology
- Basic Network Architecture Overview
- Cellular Concepts
- Channel Structure
- Basic Call Processing Overview

### HP 8921 User Interface

- Front Panel Interface Review
- Rear Panel Interface Review
- Instrument Configuration

- Printer Operation
- Loading Programs
- Modem Operation

### Spectrum Analyzer Operation

- Monitor Operation
- Swept Cable Measurement
- ERP Calculation

### Frequency Plan Development and Editing

- Copying
- Cataloging/Back-up to Card
- Frequency Plan Preparation
- Lap Top Emulator
- MSC Dial Up Test
- Soft Key Customization
- Auto Test Software
- Calibration

### Antenna Sweeps

- Manual Antenna Sweeps
- Insertion Loss
- Return Loss
- Swept Gain
- AMPS Channel Return Loss
- Cable Fault Test

### Ordering Information

To order AMPS Base Station Testing (H7210B opt. 201) 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:

#### United States:

Hewlett-Packard Company  
Test and Measurement Organization  
5301 Stevens Creek Blvd.  
Bldg. 51L-SC  
Santa Clara, CA 95052-8059  
(408) 246-4300

#### Canada:

Hewlett-Packard Ltd.  
5150 Spectrum Way  
Mississauga, Ontario L4W 5G1  
(905) 206-4725

#### European Headquarters:

Hewlett-Packard S.A.  
150, Route du Nant d'Avril  
1217 Meyrin 2 - Geneva, Switzerland  
(41) 22/780 8111

#### Japan:

Hewlett-Packard Japan Ltd.  
NAF Bldg.  
3-8-20 Takaido-higashi  
Suginami-ku  
Tokyo 168  
(03) 3335-8111

#### Latin America:

Latin America Region Headquarters  
Monte Pelvoux No. 111  
Lomas de Chapultepec  
11000 Mexico, D.F. Mexico  
(525) 202 0155

#### Australia/New Zealand:

Hewlett-Packard Australia Ltd.  
31-41 Joseph Street, Blackburn  
Victoria 3130, Melbourne, Australia  
(03) 895-2895

#### Far East:

Hewlett-Packard Asia Ltd.  
17-21/F Shell Tower, Times Square  
1 Matheson Street, Causeway Bay  
Hong Kong  
(852) 2506-9285

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