

CDMA Base Station

Testing Fundamentals

Technical Data

Class Overview

This course gives an overview of the proposed CDMA cellular system and its benefits over the current analog cellular systems. The class provides insight into the technology of CDMA and describes some of the operating features of the CDMA system.

Course Features

- Basics CDMA Technology
- Problems with analog systems
- Diversity of CDMA
- Power Control
- CDMA Codes
- CDMA Channel Format
- Testing CDMA

Specifications

Course Length 2 days

Audience

CDMA 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 CDMA and its applications.

HP Education Services: Your Key to Higher Productivity

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. 200 (Dedicated)

CDMA Base Station Testing Fundamentals (H7210B opt. 200)

Detailed Course Agenda

- Basic of CDMA Technology
- Problems with existing analog cellular systems
- CDMA
- Correlative Codes
- Frequency Reuse Patterns
- CDMA Diversity
 - Spatial Diversity
 - Frequency Diversity
 - Time Diversity
- Power Control
 - Open Loop Power
 - Control
 - Open Loop Control
 - Closed Loop Power
 - Control
- CDMA Variable Rate Speech Coder
 - Mobile Station
 - Base Station
- Walsh Codes
- CDMA Forward Link Physical Layer
- Long Code
- CDMA Forward Link Format
- Pilot Channel
- Sync Channel
- Paging Channel
- Traffic Channel
- CDMA Reverse Link Physical Layer
- CDMA Modulation Formats
- CDMA Mobile Test

- Transmitter Test
 - Modulation Accuracy
 - Correlated Power Frequency
- System Access
- Soft Hand-off
- Testing CDMA
 - HP 8921A option 600
- CDMA Generator
- CDMA Analyzer
- Code Domain
- Testing Rho

Ordering Information

To order CDMA Base Station Testing Fundamentals (H7210B opt. 200) 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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