

Course Name**Course Number****MCPA Installation Training****W1D****Course Description**

This course will provide the student with the instruction and lab experience required to properly install, power on, and test a Hitachi Telecommunications **M**ulti **C**arrier **P**ower **A**mplifier (MCPA) system. Each student will receive instructions on system architecture, verifying proper installation, turning-up, and testing the MCPA system. The student will also be instructed on how to use the Management System software program to turn up and test the Power Amplifiers. The course is targeted toward Field Installation personnel.

Upon completion of this course, the student will be able to verify proper installation, and use the Management Software to power on and test the **P**ower **A**mplifiers units. The student will be required to take a final assessment that will be factored in with course participation and lab activity to certify successful course completion.

Objectives

At the completion of this course, the student will be able to:

1. Identify all of the MCPA system components.
2. Understand the functionality of the MCPA component parts.
3. Verify the proper installation of the MCPA system.
4. Use the MCPA Installation Guidelines.
5. Use the Maintenance Software to power on and test individual Power Amplifier.
6. Interpret LED indicators.

Prerequisites

This course requires an understanding of the following:

1. Wireless base station operations
2. Basic Rf test equipment
3. Basic knowledge of amplifiers
4. Troubleshooting techniques
5. Basic PC skills

Lessons

To pass this course, the student must successfully complete the following lessons:

1. Course administration
2. General Safety
3. MCPA System Overview/Configurations
4. MCPA component parts
5. Installation Guidelines/instructions/Alarm interpretation
6. Installation verification of the MCPA
7. Installation verification of the various MCPA components
8. Using the Maintenance Software to power on the MCPA System
9. Using RF test equipment to test/power on individual Power Amplifiers
10. Final knowledge assessment

Mode of Delivery **Length**

Instructor Led

1.5 Days

Location **Contact Information**

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