

**Course Name****Course Number****MCPA Operations & Maintenance****WIG****Course Description**

This course will provide the student with the instruction and lab experience required to properly operate and maintain the Hitachi Telecommunications **M**ulti **C**arrier **P**ower **A**mplifier (MCPA) system. Each student will receive instructions on system architecture, verifying proper alarm conditions, maintenance, and troubleshooting the MCPA system. The student will also be instructed on how to use the Management System software program and the trouble matrix to isolate troubles in the Power Amplifiers. The course is targeted toward Field Operations personnel.

Upon completion of this course, the student will be able to verify proper operation, and use the Management Software and trouble matrix to properly maintain 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**

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

1. Identify all of the MCPA systems and understand their operation.
2. Understand the functionality of the MCPA modules.
3. Verify the proper operation of the MCPA system.
4. Use the MCPA operational Guidelines
5. Use the Maintenance Software to maintain and operate the individual Power Amplifier.
6. Interpret LED indicators
7. Use the troubleshooting Matrix

**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 successfully complete this course, the student must complete the following lessons.

1. Course administration
2. General Safety
3. Wireless Technologies
4. MCPA System overview/operations/ Configurations
5. MCPA module operations
6. Operational Guidelines/instructions/Alarm interpretation
7. Understanding the Maintenance Software for the MCPA System
8. Using RF test equipment to test and maintain the MCPA
9. Maintenance of the MCPA system
10. Trouble identification on MCPA system
11. Final knowledge assessment

**Mode of Delivery** **Length**

Instructor Led

2.0 days

**Location** **Contact Information**

Hitachi Telecom (USA), Inc.  
 3617 Parkway Lane  
 Norcross, GA 30092

Tel (770)446-8820  
 Fax (770)242-1412  
 www.hitel.com  
[training\\_mgr@hitel.com](mailto:training_mgr@hitel.com)

RFQ for Customer Site class