

# VIAVI 8800 Introduction And DMR Training

- Available Online
- Ideal For Intermediate Users



This course, targeted at anyone associated with the installation and maintenance of radio communication networks, covers how to use the VIAVI 8800, theory of Digital Mobile Radio (DMR), and how to test the critical parameters of this protocol with the 8800.

To enrol contact us at:  
[www.vicom.com.au/contact](http://www.vicom.com.au/contact)  
[info@vicom.com.au](mailto:info@vicom.com.au)

Course Level : Intermediate

This course takes you through

- The VIAVI 8800 Graphical user interface, menu structures, and how to properly setup the instrument for testing purposes.
- Using a VSWR kit.
- Critical parameters of digital testing.
- Auto test function of the 8800.
- DMR theory.
- Live hands on workshop

What will be the outcome of this course?

- Test professionals can set up analog and digital tests in seconds.
- You will be able to quickly track down faults in cables and antennas.
- Basic understanding of the modulation of DMR.
- How Four Level Frequency Shift Key (FSK) parameter impacts the quality of the transmission and performance.
- Your productivity will increase.

Advanced courses also available.

# Course Content

content lessons  
video topics text  
audio quizzes assignments  
course

## 8800 and DMR Training On VicomPlus



Viavi 8800 Introduction

The 8800SX features a wide range of Auto-Test functionality, DMR repeater testing without the need for special control software, supports direct input power termination up to 125 W, thru-line internal power sensor measures up to 500W and also featuring VSWR, return loss and distance to fault measurements. The 8800SX is a comprehensive test system for both bench and field applications.

Course Level- Intermediate

The course is split into three stages. In the initial two stages students go through online presentations at their own pace. The third, optional extra stage, is a live workshop.

Stage 1: This will ensure there is a common level of understanding as we progress through to stage 3.

- 8800SX Overview & Operation
- 8800SX Auto Test Operation

Stage 2: Introduction to DMR Technology

Attendees to watch these pre-recorded videos going through a quick overview of the technology. It covers the following areas of DMR respectively:

- DMR Overview
- Digital Voice
- Discussion on Analog to digital transition
- Channel Access Methods
- Modulation Scheme for DMR
- Protocol- Frame, Slot and Burst Structure

Stage 3: 5 Hour Practical Online Session with the Vicom Trainer

In this workshop we will cover:

- Questions on Menu Structure and Technology Overview to make sure attendees familiar to what they have gone through in Stage 1 and 2
- Understanding Critical Parameters –hands on with test equipment mobile/ portable /base station
- Analyzing the results in various methods to fault find
- Duplex Tuning using Tracking Generator
- Auto Test & Alignment Testing
- Overview of Site Testing Methodologies

In this stage we will also provide COMPLIMENTARY 2 hours of online and/or phone technical support per group (on a different suggested day ) in case they have any questions or queries related to the course or setup of the equipment.