

Hands-On

# Broadband CATV Radio Frequency-RF Basics



## Course Description

This extensive Hands-On 2-Day course teaches RF basics and how to apply this knowledge in Real-World practical situations. The Attendees will have greater confidence and be more productive when dealing with the everyday challenges of RF Frequency in a CATV residential and or commercial environment.

## Prerequisites

A basic understanding of Electrical concepts, Telephony and or our Broadband CATV Installation course is suggested.

## Course Outline

### Module 1

- CATV Evolution
- Basic System Architecture
- Broadcast Origination
- Signal Fundamentals
- Building a Spectrum

### Module 2

- Signal Measurements
- Coaxial Drop Cable
- Passive Devices
- Active Devices
- Computation of Signal Level

### Module 3

- Signal Measurements
- Coaxial Drop Cable

- Passive Devices

### **Module 3**

Review, Test and Evaluation

### **Delivery Method**

Hands-On Instructor-Led with numerous labs and exercises.

### **Equipment Requirements**

**(This apply's to our hands-on courses only)**

BTS always provides equipment to have a very successful Hands-On course. BTS also encourages all attendees to bring their own equipment to the course. This will provide attendees the opportunity to incorporate their own gear into the labs and gain valuable training using their specific equipment.

### **Course Length**

2 Days