**Course Name:** CDMA/EVDO Base Station Measurements and Troubleshooting with Anritsu Cell Master

**Course Overview:** A two-day instructor led training course that focuses on Base Transceiver Station measurements, helping reduce operating expenses by enhancing your skill set. Our skilled instructors will cover both theory and practical application of Line Sweep, Spectrum Analyzer, Interference Analysis, and CDMA/EVDO measurements. Hands-on lab exercises with the MT8212B Cell Master will reinforce lecture topics.

**Course Length:** Two Day

**Who should Attend:**

- Cell Technicians
- System Performance Engineers/Field Engineers
- Base Station OEMs
- On-site Managers
- BTS Installers

**You will Learn:**

- Line Sweep Measurements, including Distance to Fault
- Spectrum Analyzer Measurements, including Occupied Bandwidth, Channel Power, and ACPR
- Interference Analysis Tools: Spectrogram, Signal Strength, RSSI, and Signal ID
- Power Meter
- Two-Port Measurements using the Transmission Measurement Option
- CDMA Measurements such as Code Domain Power, Pilot Power, Multi-channel rho, Carrier Frequency Error, RMS Channel Power, etc.
- EVDO (CDMA2000 1xEVDO) Measurements such as Pilot/Mac power, Pilot power, Occupied Bandwidth, Carrier frequency, Idle activity, Idle Data power, etc.
- Channel Scanner Measurements

**Prerequisites:** None

**Customizable Course:** No

**Course Content:**
Introduction

Cable Analyzer (Line Sweep Measurements)

Spectrum Analysis

Lab 1: Spectrum Analyzer Familiarization, Functions, Advanced Measurements (Occupied Bandwidth, Channel Power, ACPR, Spurs)

Interference Analyzer (Spectrogram, Signal Strength, RSSI, Signal ID)

Power Measurements

Transmission Measurement Option

GPS Option

Channel Scanner Option

CW Generator Option

CDMA Basic Theory and Measurements

Lab 2: CDMA Measurements (Code Domain Power, Pilot Power, Rho, Tau, Ec/Io, PN Scan, Pilot Dominance, etc.)

EVDO Basic Theory and Measurements