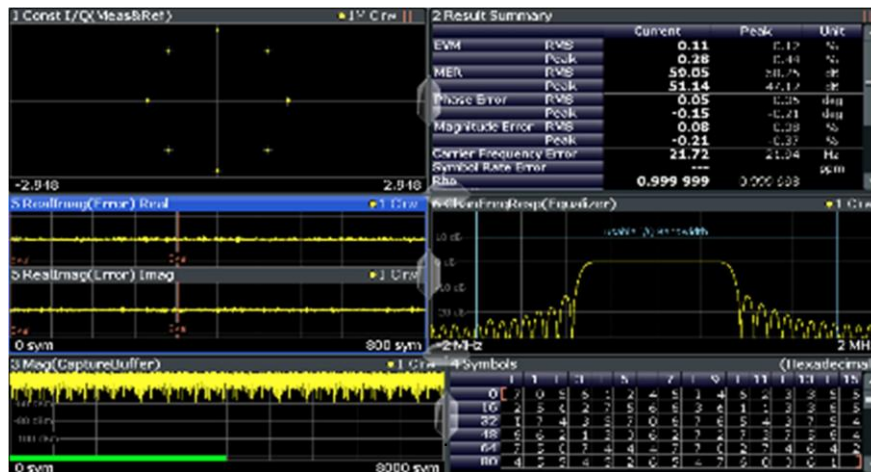




Training on Digital Modulations

University of Windsor – May 6th



To register please register by using following link:

<https://meetings.vtools.ieee.org/m/34166>

Training Overview

Digitally modulated signals are very important for use in modern communication systems. There are several methods for encoding data digitally, and there are also important considerations such as data rate, the use of filters, and encoding methods. It is also important to understand how these signals can be distorted. This training provides a good understanding of the fundamentals and provides a hands-on session with vector signal generators and vector signal analyzers.

Audience

Anyone who would like to learn the fundamentals of digital modulation.

Required credentials

Elementary knowledge of spectrum analyzers and analog modulations.

Training environment

Theoretical presentations, followed by a practical session.

Maximum of 3 people per station; station consisting of a vector signal generator and a vector signal analyzer.

Have your lunch in company of the trainer. Training material and measurement results provided.

Full day program (8:30am to 4:00pm)

- 8:30am - Registration

- 9:00am - Theoretical presentation

Fundamental parameters of digital modulation schemes (modulation, data rate, filters, coding schemes)

Quality and performance measurements (EVM, BER, etc)

Principles and properties of OFDM

The use of different modulation schemes in common standards (LTE, GSM, WLAN, Bluetooth, etc)

- 12:00pm - Lunch

- 1:30pm - Practical session

Generation and analysis of different modulated signals (PSK, QAM, FSK)

Bit Error Rate measurement

Diagnosis of distorted signals

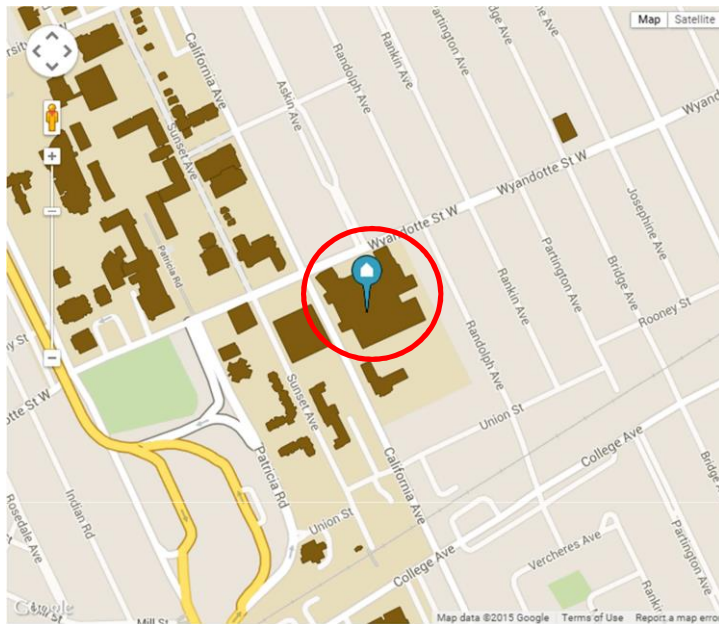
Analysis of an OFDM signal



This training is by registration only.

Session in Windsor- Wednesday May 6th

University of Windsor
Centre for Engineering innovation, Room # 3000
401 Sunset Avenue,
Windsor, ON N9B 3P4



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For additional information send an email to contact.rsc@rohde-schwarz.com.

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