

LTE-Advanced Pro

COURSE OUTLINE



Course Details

Name: *LTE-Advanced Pro*

Target Audience

This course is designed for participants who have certain degree of experience in mobile communication networks. Participants that would benefit by attending this course are Technicians, Sales/Marketing people and Project/Programme managers who are new in their role.

Training Objective

- By the end of the course, the participants will understand the different technologies and features of LTE-Advanced Pro, including the 3GPP solutions for IoT.

Duration of Training: 1 Days

Max Number of Participants: 15

Prerequisite: General knowledge of LTE mobile communication networks.

Module List Detailed

Module 1: LTE Advanced Pro: Rel. 13

Topics discussed in this module are listed below:

- Active Antenna Systems (AAS)
- Full Dimensional MIMO (FD-MIMO)
- Network-Assisted Interference Cancellation and Suppression (NAICS)
- Unlicensed Spectrum in LTE Networks
- Licensed Assisted Access (LAA)
- LTE-WLAN Aggregation (LWA)
- LTE-WLAN Radio Level Integration with IPsec Tunnel (LWIP)
- Rel. 13 Carrier Aggregation

Module 2: 3GPP IoT Solutions

Topics discussed in this module are listed below:

- 3GPP IoT Requirements
- 3GPP IoT Solutions
- LTE-M
- Narrow Band Internet of Things (NB-IoT)

Module 3: LTE-Advanced Pro: Rel. 14

Topics discussed in this module are listed below:

- Enhanced LAA (eLAA)
- V2x Communications
- DL Multi-user Superposition Transmission (MUST)