

# XCAL-MTS (Real UE based Multi call tester)

## Multi-Test System - Realtime, Measurements & Verifications

MTS is a multiple Mobile(terminals)-based measurement & verification tool which supports a variety of wireless technologies. It is specially designed to perform load and capacity testing for Small Cell test & verification.

MTS allows users to trouble shoot, analyze, and benchmark Macro Cell & Small Cell Solutions. Its GUI & Capability enables different types of connections, which means it is ultra-compatible for System Verification.

This revolutionary tool also provides users comprehensive and customizable views, in various graphs, message filtering and audible/visible alarms – so that you can monitor and identify problems on spot in real time.

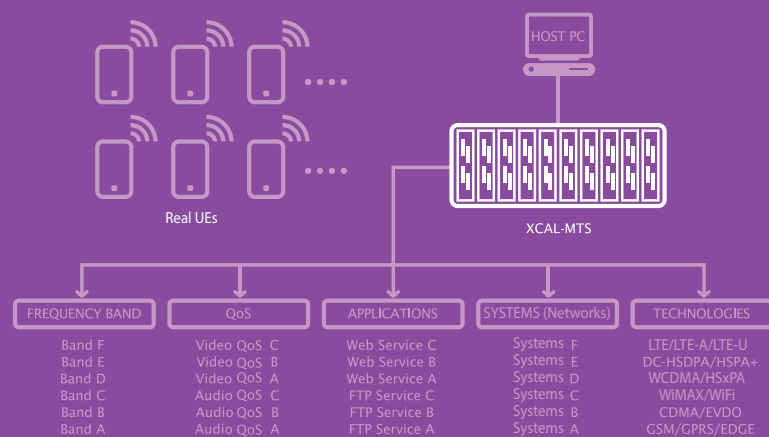
### XCAL-MTS can be used to

- Support USB Modems and mobile phones
- Provide general performance measurements (Data & Voice Capacity)
  - Scalable Capacity in Cascade
  - up to 40 UEs per 1 Unit(Shelf)
- Provide engineering performance measurements (Layer1,2,3, TCP/IP) for deep analysis as well
  - Serving Cell Info, SINR, Rx/Tx Power, DL/UL Rate, RSRP, RSRQ, CQI
- Support various types of automated test
  - Network entry, FTP/HTTP/Ping
  - Voice/VoLTE/VoIP/YouTube
  - Data Throughput, Packet Loss, RTT etc
- Advanced usage in pair with FieldACE (Field Air interface and Channel Emulator) to create radio field environment in a Lab
  - Strong or Weak RF Area measurement
  - RF Interference Area measurement
  - Cell Edge (H/O) Area measurement

### Features

- Fit to a Rack suitable for a Test Bed system
- Very scalable to extend capacity, suitable for various class of capacity.
  - 1 Unit(Shelf) for 20(or 40) Active UEs
  - 2 Units(Shelves) for 80 Active UEs
  - 4 Units(Shelves) for 160 Active UEs
- Powerful Performance Analysis
  - Performance per UE
  - Performance per Cell
  - Verify RB management per Cell

### XCAL-MTS System Configuration



Test Cell Or Network



Test UE



MTS Full Rack