

XCAT-AIS

Real-Time Multi-cell / Multi-UE Air-interface Simulator

XCAT-AIS is air interface simulator which is designed to simulate field environment into a lab. It can be a bridge solution between field and lab by providing an emulation of mobility via controlling multiple cell sites. XCAT-AIS can be perform with XCAL-MTS for load and capacity testing for site test and verification. Its combination provides various real-time test for multi-call and UE in the lab.

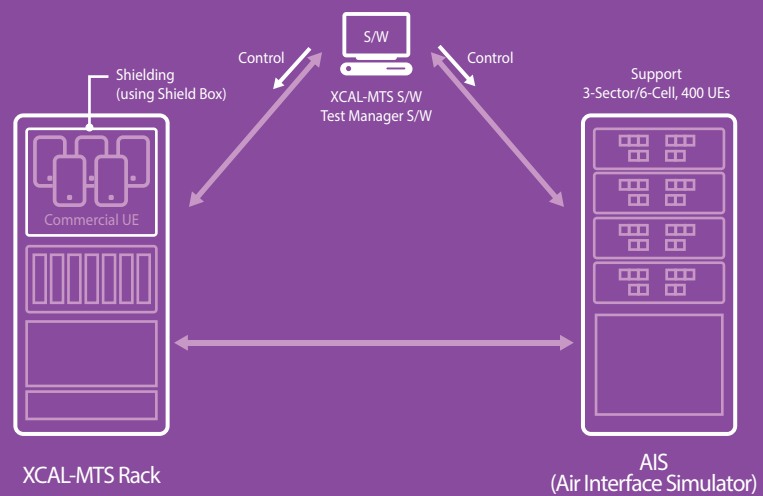
Use XCAT-AIS to

- System capacity verification in multi-UE, cell-edge, moving UE environment
- Package verification prior to customer release
- logging and analysis of SINR, RSRP, RSSI, Tx Power, RB/MCS, Throughput, etc.
- Troubleshooting with quick reproduction of problems
- System Parameter optimization of RRC, MAC, PHY

Benefits

- Real-time simulation and logging in the LAB
- No need for drive-test and on-site for cluster preparation
- Efficient use of resources
- Test environment for user-defined test scenarios
- Group operation for multiple tests at the same time

System Configuration



AIS H/W Specification

Frequency Band	LTE B#5, B#8, B#3, B#7, B#1, B#38 or B#42 (Supporting up to 6 non-overlapped frequency bands)
Carrier Aggregation	Supporting up to 6-CA/2-CC
MIMO	Support 2x2 or 4x4
Max RSRP	-60dBm to -75dBm @ UE Side
Max BS	3-Sector/6-Cell
Max UE	400 Real-UE
User	Max 2-User Support(max 200-UE/User)

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