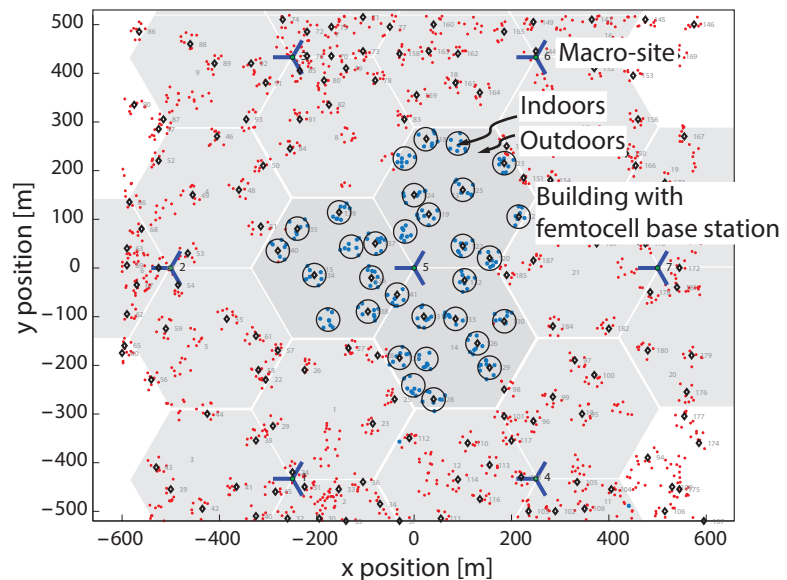
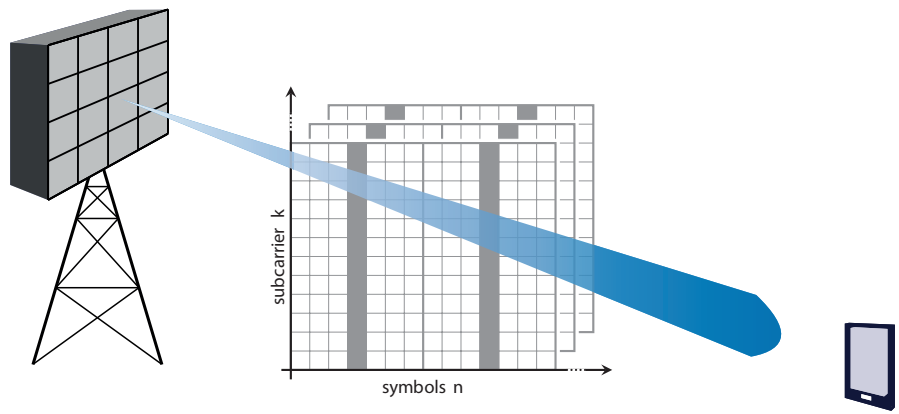


VCCS Link Level Simulators

- Rely on Monte Carlo simulations
- Yield average performance results
- Implemented in Matlab using OOP
- Allow for parallelization on multiple cores
- Support LTE-A compliant simulations

- Physically accurate simulation of small cellular networks
- transmission of waveforms explicitly implemented on sampling time basis
- channel models based on tap-delay line and Doppler models

- Sweep over predefined pathloss values results in average user SINR
- Avoids pathloss modeling and network geometry



- Allows to simulate large networks
- Various methods for geometric placement of users and BSs
- Several path loss models available

- SINR calculated according to geometry and pathloss model
- Abstraction through link performance model (requires LLS input)

VCCS System Level Simulators