ABSTRACT

The system performance of an MIMO (multiple-input multiple-output) system deployed with femtocell scheme is evaluated and studied in this thesis. The two-tier femtocell operation environment is applied on this analysis which is majoring in the input and output numbers. It is known that a two-tier femtocell can be distributed around macro-cell network for applying, in indoor, for instance, small office, small enterprises and mobile phone. The results from evaluation of this thesis significantly show that the system performance of an MIMO system definitely is affected by the input and output numbers.

Keywords : MIMO system, femtocell, macrocell, system performance
REFERENCES


