

LTE research using the Vienna LTE link and system level simulators

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Abstract:

In this report we give an overview about our last results using the Vienna LTE link and system level simulators. Our research group provides a standard-compliant open-source simulation platform for 3GPP LTE that enables reproducible research in a well-defined environment. We demonstrate that much innovative research under the confined framework of a real-world standard is still possible, sometimes even encouraged. With exemplary samples of our research work we investigate on the potential of several important research areas under typical practical conditions.