Performance Evaluation for CQI-Based Link Adaption for LTE System in Mobile Fading Channel

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ABSTRACT
The mobile station can be configured to report the Channel Quality Indicator (CQI) to support the base station in choosing an adaptive modulation and coding (AMC) scheme to use for the downlink (DL) transmissions in the Third Generation Partnership Project (3GPP) Long Term Evolution (LTE) system. The paper evaluates the performance for CQI-based link adaption for LTE System in mobile fading channel. The simulations show that the CQI-based link adaption is a good scheme for the tradeoff in terms of modulation rate, coding rate and bit error rate.

Keywords: CQI, AMC, LTE

REFERENCES