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LTE DOWNLINK AND UPLINK PHYSICAL LAYER

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Abstract:

LTE (Long Term Evolution) is a next generation standard by 3GPPP (3rd Generation Partnership Project) consortium. This book chapter gives an overview of LTE, the physical signals and channels that are involved in downlink and uplink transmissions of LTE Physical layer (PHY). Throughput simulations results are presented and analyzed to show the performance of one of the downlink channels (PUSCH – Physical Uplink Shared Channel).




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