

DYNAMIC RADIO RESOURCE ALLOCATION BASED ON OF DMA IN FOURTH GENERATION 3GPP LTE : PART-II

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Abstract

In this Research paper, (Extension of part-I), for our premeditated scheme Cyclic Switching Scheduling Scheme (CSSS), we have originated different parameters of RRM in 3GPP-LTE, like comparison of Cell throughput of both static and dynamic schemes and Blocking rate for different allocation schemes. To achieve high system capacity and simplify radio network planning, 4G cellular standards are targeting aggressive spectrum reuse (frequency reuse 1). Due to increase in system capacity SINR degradation due to increased intercell interference takes place. It severely impacts cell-edge user capacity and overall system throughput. In this paper we study interference management solutions across the 4G standard: 3GPP-LTE. We address radio resource management schemes for Dynamic Interference Management Schemes.

Keywords : Cyclic Prefix, High Speed Downlink Packet Access, Cyclic Switching Scheduling Scheme, ICI.