

Comparative Study of Various Power Control algorithms in WCDMA

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Abstract — Power control is an essential radio resource management method in CDMA cellular communication systems, where co-channel and adjacent-channel interferences are the primary capacity limiting factors. Power control intends to control the transmission power levels in such a way that required quality of service for the users is guaranteed with lowest possible transmission powers. This paper presents a comparative study between the power control algorithms.

Keywords — WCDMA, Power Control, FSPC, ASPC, MASPC.

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