



Performance Analysis of MC-CDMA by using Rake Receiver

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Abstract – This paper proposes a novel approach for minimizing the effect of multipath fading in Rayleigh fading environment using Multicarrier CDMA (MC-CDMA) with RAKE receiver and different combining schemes. Equal Gain Combining (EGC), Maximal Ratio Combining (MRC), Zero-Forcing (Z-F) and Minimum Mean Square Error (MMSE) Equalization techniques are used.

Keywords – MC-CDMA, RAKE Receiver, EGC, MRC, Z-F, MMSE.