

Complexity analysis in WCDMA using Genetic Algorithm

Sanjeev Gupta
sanjeevgupta107@gmail.com

Harsh Goud
Harshgoud@yahoo.com

Rupesh Dubey
rupesh_dubey7@yahoo.co.in

Abstract— Wireless communication is the transfer of information over a distance without the use of electrical conductors or wires. In the last 50 years, wireless communications industry experienced drastic changes driven by many technology innovations. The application of signal processing to this area is becoming increasingly important. Indeed, it is the advances in signal processing technology that make most of today's wireless communications possible and hold the key to future services. The present paper deals with simulation model of raised cosine pulse shaping filter for WCDMA with different parameters of the filter at 5 MHz.

Keywords- FIR Filter, WCDMA, Simulation Model.