

Genetically Optimized Root Raised Cosine Filter in 3G Technology

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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.