**Design and Simulation of LNA matching network**

Absrtact: in the design process of low noise amplifier, the design of matching network is the key component, which directly affects the performance of low noise amplifier. Based on the analysis of the stability, noise figure and gain of the amplifier, this paper puts forward the idea of using the RF simulation software to carry out the simulation design and puts forward some specific methods to improve the product performance of the simulation design, which can achieve better practical effect, save the design cycle, and ensure the stable performance.