

Dual band low noise amplifier: A review analysis

Abstract

This paper discusses a few earlier efforts in the field of multiband low noise amplifier design (LNA). This study will look at a variety of modern multiband LNA designs, focusing on four topologies: induction matching with notch filter, current reused with cascode, current reused with notch filter, and common source with external capacitor. Each architecture has its own set of benefits and drawbacks. In the future, it will be necessary to strike a balance between tradeoffs, eliminate drawbacks, and achieve optimal multiband LNA performance.