

عنوان مقاله:

Wide band LNA implementation according to LTE standard

محل انتشار:

کنفرانس بین المللی پژوهش در علوم و مهندسی (سال: 1395)

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خلاصه مقاله:

This work deals with the design and also simulate a low noise amplifier (LNA) with/in extensive band in 0.5-3GHz interval of the LTE standard. For this purpose, 2 classes/stages of common source and common gate for main part of the amplifier had been used. For solving the high noise problems in common gate , also a canceling noise circuit with matching of capacitive cross coupling had been used which can decline the noise number. At the end of the paper, the LNA circuit simulation and also simulation results are dedicated

کلمات کلیدی:

LNA, Common source, Canceling circuit, Capacitive cross coupling

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