

The simulation results are shown in Fig.3, Fig.4, Fig.5, Fig.6. In Fig.3, S12 is less than -47.089dB. In Fig.4, we can know S11 is below -16.126 dB in the entire band.

3 Conclusion

The proposed Two Stage LNA is good candidate for wireless applications due to its low NF and high gain. Furthermore, throughout the whole design, transistor was stable. The level of satisfaction of this thesis work is satisfactory. Though the responses are satisfactory, but still there are scopes to improve the performances. Some of the circuits can be improved in design and with more proper optimization to have better responses. This thesis work gives a closer and wide view of all the relevant background theories and design technologies to the designer.

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