Lab 3 – 1 GHz Microwave Amplifier with a Specified Gain

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# **Experiment Objective**

The objective of this lab is to design and simulate a microwave amplifier at 1 GHz with a specified gain.

# 2.0 Schematic Design

For this experiment, we will be designing a small signal power amplifier at 1 GHz, the gain is to be determined by the student, for my design, I choose 12 dB power gain.

The first step in any Power Amplifier (PA) synthesis is the schematic design;

# 4.0 Conclusion