Abstract

The project was implemented according to the following plan:

- We started by studying the jamming techniques, and GSM system to find the best jamming method. The system block diagram was also specified in this stage.
- We searched for components that are needed for building this device, and specified the main components which were:
  - For RF section, we needed two VCO's that operate at the needed bands, power amplifier, and antennas.
  - For the IF section, we used two 555timer, mixer, PC power supply and some discrete components (resistors and capacitors).
- The schematic was drawn and some simulations for the IF-Section were performed. Then, we started to design the layout using Express Maltisim and AutoCAD softwares.
- All the IF-components were bought from local companies. Then, the IF-section was built and tested.
- After that, we began to search for the RF-components (VCO and the board) in the local market. Since I failed to collect these IC's from the local market, we had to order them from "Digi-key" US company.
- Finally, we assembled and tested the jammer. Fortunately, we got positive results. Both I don't have the power amplifier to complete my project.