

Abstract

A-Type of GSM/CDMA Jammer is the most inexpensive and easy to be realized than others type of jammer. It consist of two stages: IF-Stage and RF-Stage that work simultaneously. IF-Stage will generate a tuning-signal to trigger VCO in RF-Stage produces sweep frequency that could be determined particularly. This device will be set to operate at downlink frequencies of GSM 900 (935 - 960 MHz) and CDMA 800 (864-894 MHz) so that lowering the signal to noise parameter of a cellular handset (also called brute force attack mode).

In this project only build and realized IF-Stage with optimization in using IC's technology to ensure the compactness of all over body and consuming less power than conventionally used circuit base device. This project would be purposed on creating highly effective IF-Stage GSM/CDMA Jammer so that RF-Stage will work optimally and then the handset could not catch any signal from its BTS and automatically can not be used inside the affecting area.

The results till the end of the project actually is not sufficient to fulfill the specification that are expected before. This is mainly caused by components damage due to overheated in blowing process. It is mean that the manually blower process does not fit to the requirement in soldering SMD components.

Key Word: Jammer Tipe-A, Signal to noise ratio, frequency sweep, IF-Stage, RF-Stage, Brute force attack