

ABSTRACT

Mobile phone is a reliable means of communication device, practical, and efficient. This technology is very useful for communication, but the use of a mobile phone can also be intrusive in certain circumstances, such as meeting rooms, places of worship, even though the military field. One way to overcome the use of a mobile phone is not in place to enable the interrupt signal jammer for mobile phone.

Mobile Phone Jammer is a device used to block the signal from the base station (BTS), which entered the mobile phone. When the device is on, the jammer will automatically jamming or override on your mobile phone frequencies are located nearby. To develop a big area coverage jammer required power, size and large funds

In this final project, I am designing microstrip antenna for mobile phone jammer that works on GSM frequencies (890-960MHz), DCS (1805-1920Mhz) and 3G (2110-2170MHz). The method that is used is one of the techniques of "reactive-load multi-antenna frequency" is the addition of slots on the patch. This addition aims to design an antenna that can work on 3 frequencies at once. Designed antenna is expected to work on three operating frequencies, the downlink frequency GSM, DCS and 3G.

Key words: Jammer, Microstrip, Base Station, Patch