

ABSTRACT

The use of Handhone at present is increasing. This is due to the portable nature of the mobile phone and the smaller shape making it easy to carry travel,. However, the use of mobile phones on in some places such as places of worship, boardrooms and classrooms is disturbing, because of the ringing tone phone can interfere with concentration or worship audience is in place - the place. At these places there is usually a warning that the use of mobile phones and activation temporarily banned. But there are still many people who do not heed the warnings or forget it.

For that we need a tool to block the cell phone signals so that the communication system between mobile phones and mobile phone base stations resulting in impaired receive or make a call. This tool is Jammer, a device that serves to disrupt and block the signal / electromagnetic waves that exist on the cell phone. This tool works on frequencies 900 and 1800 MHz on GSM and CDMA 800 MHz and in the set lit during prayers. Jammer consists of two main modules, namely a block IF stage, stage RF, and antenna. At the end of the project this time I will make a block device RF stage. At this Final Project I will make a block device of RF . This RF block consists of VCO, RF amplifiers and antennas.

After designing the jammer GSM 900, 1800 MHz and CDMA 800 MHz showed that the range of the instrument 10 meters. But after testing found the farthest reach of only 4 meters. It is caused by one of the devices on the RF amplifier block RF devices have short between the DC input power to the ground so as to make the output of the RF block device can not be maximal.

Keyword : GSM, CDMA, Jammer