

HAND PHONE DETECTOR

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ABSTRACT

The title for my project is the hand phone detector. There is a basic requirement for the project is to detect the radio frequency signal and to detect the mobile phone distance from the project which is 1.0 meter radius.

Besides, a circuit is required to build in order to light up LEDs and a beep sound is given when someone making call or SMS nears the hand phone detector device. When there is some making call or SMS, antenna act receiver will receive the radio frequency signal to the circuit, op-amp CA3130 act as the current-to-voltage converter will convert current to voltage to the transistor, LEDs will light up on the Emitter leg of the transistor BC 548, while beep sound is given when the NE 555 receive the voltage, after drop call, buzzer will be reset, then the buzzer will off the sound.

Overall, this project was successfully implemented there is some part still need to troubleshoot in order to get all the result.