

FM RADIO JAMMER

MECHANICAL MEASUREMENT AND CONTROL SYSTEMS

1. Sweety Sinduria- 2018
2. Manasi Shinde-2015
3. Arushi Jhalani -1904
4. Suhani Jena-2017
5. Shrishti Gupta-2020

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ABSTRACT

The EMP Jammer is an innovative jamming device which jams the devices nearby by inducing an alternating voltage. When a direct current supply is given to a high voltage converter it amplifies the supply to hundreds of kilovolts. The input can vary from 3-5 volts, which can be supplied from a battery. When this high voltage converter is connected to a coil it induces the voltage into the devices nearby thus jamming it. This could be used in military to destroy enemy electronic devices, it could even be used to stop guided missiles. When an alternating voltage is induced into a circuit it breaks the circuit by inducing random voltages into different parts thus the connections go haywire. Alternating voltage is created by using spark-gap method, in this method the high voltage converter and the coil is separated by a small gap, when hundreds of kilovolts is produced by the high voltage converter it creates high potential in the coil, to equalize the potential the electrons tries to jump off the coil and complete the circuit, the high voltage converter keeps building high potential in the coil which makes the electrons to jump off the coil, this repeated flow of jumping of electrons completes the circuit and induces alternating current into devices nearby the coil causing it to fail.



INTRODUCTION

- JAMMING
- BLOCKING
- INTERFERENCE



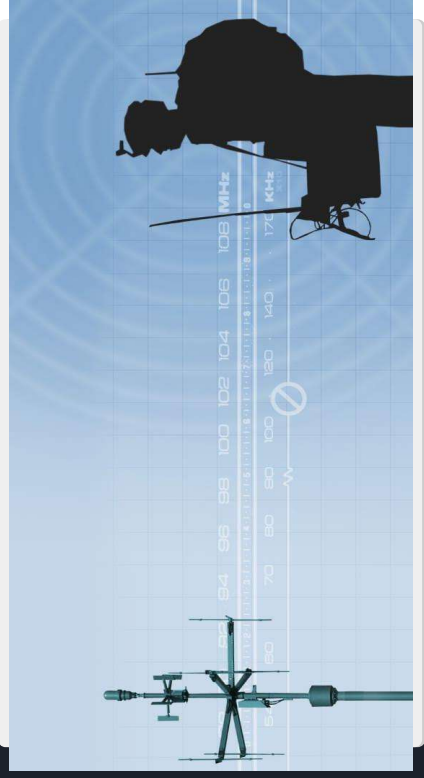
APPARATUS

1. Bf495 Transistor
2. NE555 timer
3. Ceramic capacitors
4. Trimmer capacitor
5. Electrolytic Capacitor
6. Resistors
7. Copper coils
8. Battery
9. LED Light
10. Two-Way Switch



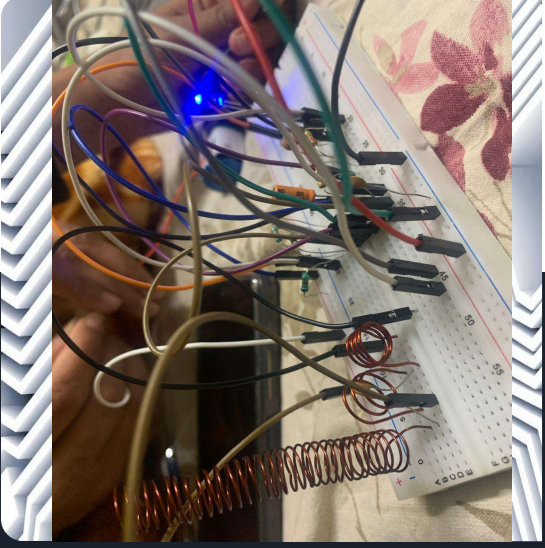


RADIO JAMMER APPLICATION



1. GOVERNMENT
OFFICES
2. MILITARY
3. NAVY
4. AIR FORCE

CONCLUSION

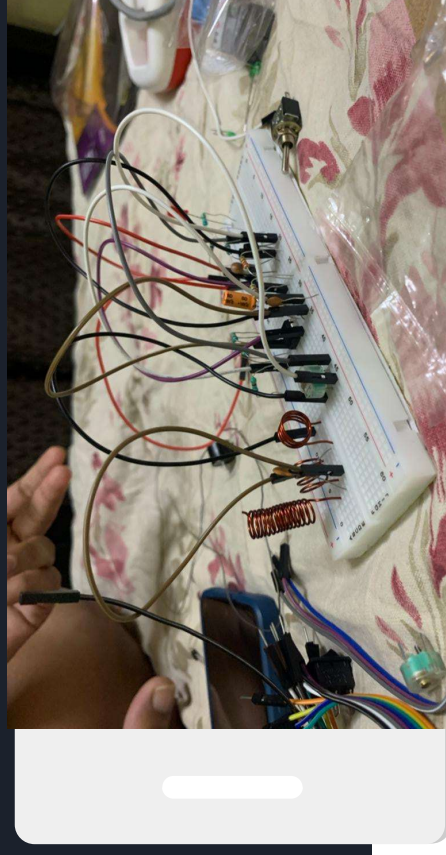


In the new era of modern warfare and weaponry system, an EMP Jammer is a device which will prove to be the next generation weaponry system destroying enemy communication system which will practically blindfold the enemy in the war zone. This can prove to be a vital moment because hampering with communication system can cause a lot of chaos. The proposed device can also be used in anti-ballistic missile and hence prevent a nuclear disaster .The EMP jammer damages any nearby electronic devices and affects its performance .It has high military value, it could be used to stop guided missiles.



Spotlight on landscape view on mobile

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THANK YOU

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