CELL PHONE

JAMMER

AIM

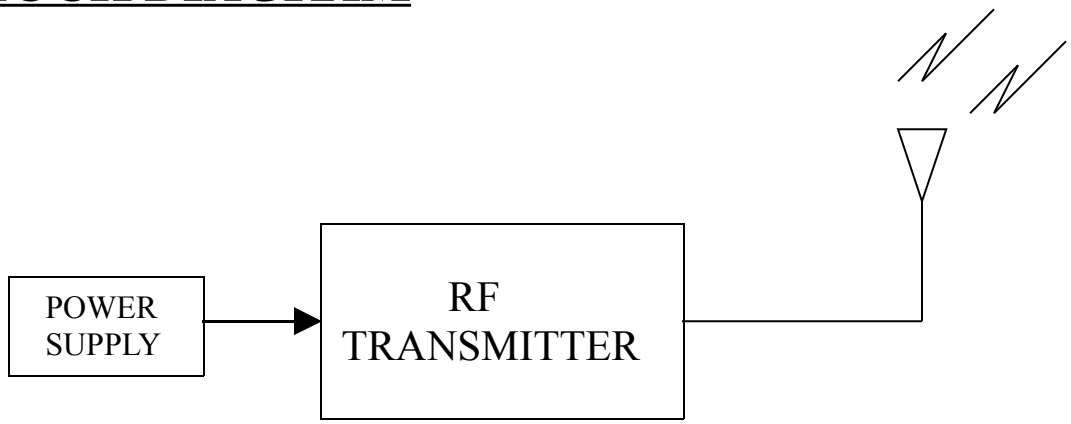
The aim of this project is to block all the Mobile Phones within the designated area.

ASTRACT

The Cell phone jammer unit is intended for blocking all mobile phone types within designated indoor areas. Its unique design strict compliance with international standards of safety and electromagnetic compatibility (ISM).

The Cell Phone Jammer is a 'plug and play' unit, its installation is quick and its operation is easy. Once the Cell Phone Jammer is operating, all mobile phones present within the jamming coverage area are blocked, and cellular activity in the immediate surroundings (including incoming and outgoing calls, SMS, pictures sending, etc.) is jammed.

BLOCK DIAGRAM



WORKING

The heart of the system is the RF oscillator .The frequency of the oscillator is 900 MHz.. This is the carrier frequency of the jammer. This frequency is modulated by the modulating signal given to the base of the transistor and the modulated output is obtained across the collector terminal. This modulated output is connected to the antenna, which converts the electric signal into electromagnetic signal and transmits it into the space.

The receiver, which is the cell phone in our case, receives the transmitted signal and tries to demodulate the signal. Since this signal is not within the bandwidth of the cell it displays "Network Busy" on the LCD panel. Since the power of the transmitter is greater than the original signal transmitted from the cell phone tower the cell phone will not respond to the original signal.

Inside a Cell-phone Jammer

Electronically speaking, cell-phone jammers are very basic devices. The simplest just have an on/off switch and a light that indicates it's on. More complex devices have switches to activate jamming at different frequencies. Components of a jammer include:

Antenna

Every jamming device has an antenna to send the signal. Some are contained within an electrical cabinet. On stronger devices, antennas are external to provide longer range and may be tuned for individual frequencies.

RF Oscillator

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USE AND APPLICATIONS

Security market Prevention of eavesdropping and information transfer:

- Briefing rooms
- Military and governmental offices
- Interrogation rooms
- Prisons
- Court houses
- Conference rooms
- Embassies
- Government facilities
- Financial institutions
- Sensitive locations

ACOUSTIC ISOLATIONS

- Theaters / cinemas
- Concert halls
- Lecture rooms / libraries Exclusive restaurants
- Trains
- Gaming facilities Sensitive locations
- Recording studios
- Sites of worship (churches, temples, synagogues, mosques)

- Gas stations
- Power plants
- Industrial plants
- Hospitals
- Medical clinics
- Aircraft

TECHNICAL SPECIFICATIONS

Output power	:	750 Milli Watts.
Frequency	:	900 MHz GSM 800 MHz CDMA/TDMA
Start up time	:	30 Seconds.
Frequency range	:	840 - 960 MHz
Pulsed RF out put power	:	+ 2 dbm.
Indoor coverage	:	10 - 20 meters radius, Depending on the strength and type of cellular system
Out put RF connector	:	Flange mounted BNC.
In put AC voltage	;	170 - 270 vac.
Internal DC supply	:	12v.
Operational current	:	500 mA
Indicators	:	power on Signal on