

Mobile Phone Jamming



What is it?

- Cell phone jamming is the use of an electronic device to prevent the transferring of data through a wireless phone



Is Jamming useful?

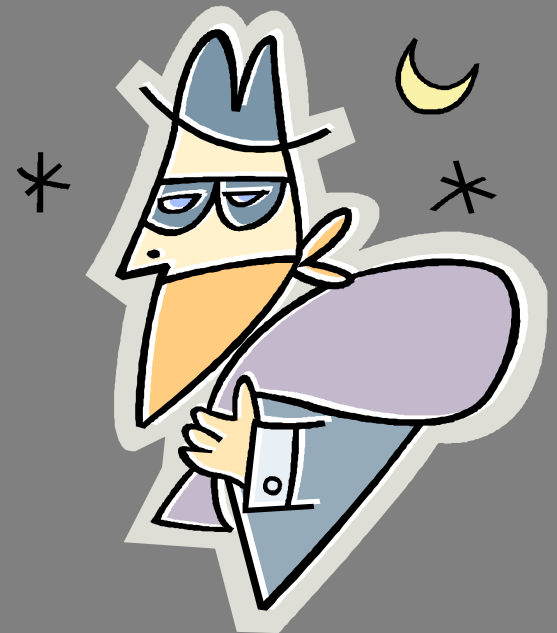
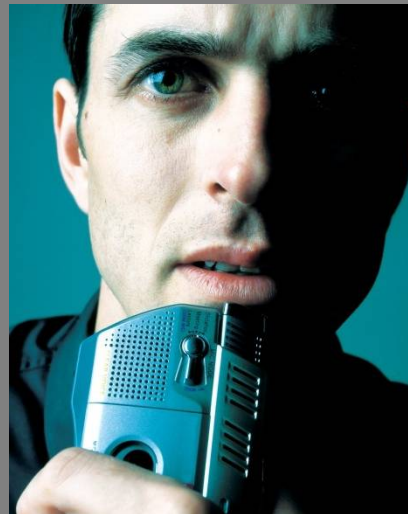


- Jammers can be used practically anywhere
- Jammers are used primarily where silence is necessary or data transfer might be destructive
- Jammers are simple to build and use



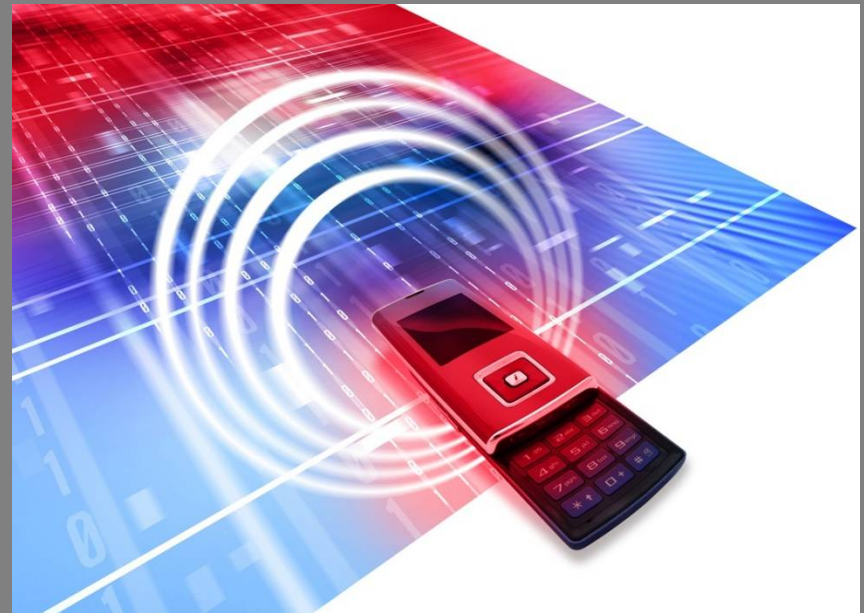
Why might cell phone use be destructive?

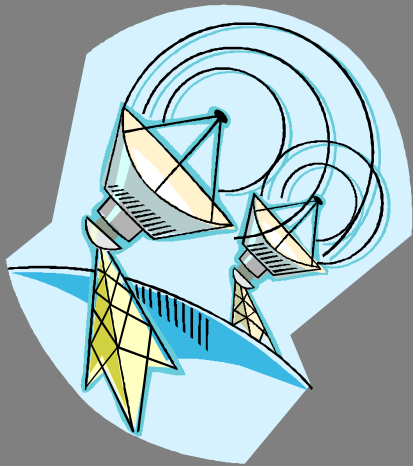
- As wireless phones rapidly overtook society in the 21st century, many problems arose with the quick, easy option to transfer data either by voice or files through them such as : Espionage, Exposure of images, Recording conversation or video remotely, Cheating (Academically), etc.



How do they work?

- Jammers simply overflow the frequency used by wireless phones with radio waves
- Enough interference caused by these waves will prevent communication between a wireless phone and a base tower





- Some Jammers are small, hand-held sized devices while others can be very large
- Smaller Jammers interfere mostly with the wireless phones themselves while devices with larger radii may interfere with the towers directly



Some Quick Numbers...

- Wireless phone network ranges generally from 800-1900Mhz
- Small Jammers block all communication in this range for a 30 ft radius
- Commercial size Jammers can block all communication for 5 miles

- Originally much of the technology associated with jamming was developed for military purposes
- A huge part of security in the military is data security; Jamming communications signals locally can prevent the loss of data



- Some Law Enforcement agencies use Jammers to prevent criminals from communicating
- Law Enforcement and Military both use Jammers for preventing signals from certain kinds of remote explosive detonation devices

Development Over Time

- Jammers originally worked on analog signals
- Eventually Jamming was necessary on digital networks
- Newer Jammers will block AMPS, iDEN, and GSM networks



Can I have one?

- Of course not (legally)! Jammers are highly illegal to civilians in the US
- Worldwide they are used in Libraries, Banks, Prisons, Hospitals, Churches, Movie theaters, and other places where locals or govt. have deemed wireless phone use more of a problem than a plus



Sources

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