

COMPLETE COUNTER TERRORIST AND SURVEILLANCE SOLUTIONS

The prevention of mobile phone calls, texts and data transmission off-air has become an important aspect of Law Enforcement and State Security.

The **Digital RF Cell-Grabber** is used to deny and locate mobile telephones being used by those unauthorised, seen to be a security threat or involved in organized crime while allowing authorised staff to continue to use their own phones.

The **Cell-Grabber** is available for jamming and locating on 2G and WiFi Networks

Blocking the use of Mobile Phones has been achieved traditionally by blocking the RF Spectrum. This is cost effective but gives no information about the number of Mobile phones in the blocked area, the location of unauthorised Mobile Phones, and also blocks all users including security staff.



Cell-Grabber is a form of 2G IMSI Grabber. The IMSI Grabber works by cloning the Mobile Phones BTS Network in an area and attracting all devices near by. Upon registration to the Cell-Grabber the IMSI or IMEI are recorded and the device is 'held' being effectively jammed. Only if the Mobile Phones IMSI/IMEI is on an authorised list will it be released from the Cell-Grabber and be allowed to be used freely to make calls.

To ensure effective jamming of Mobile Phones using Cell-Grabber all other forms of communications network must be blocked. Cell-Block, Digital RF's Jamming system is deployed to block 3G, 4G and CDMA services.

Features

- Portable or Permanent Installation
- Impressive GSM coverage with high gain Directional Antennas and Amplifiers
- Accurate Device Location using Triangulation across multiple nodes
- Multi network operation emulating up to 6 networks in one box
- GSM 850, 900, 1800, 1900 MHz bands supported and WIFI 2400MHz.
- Optional "denial of service" creating a Black list and White list of all mobile phone users.
- Internal database with full remote control



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Manufactured
& Designed
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clients
worldwide

Cell-Grabber Mobile Phone Prevention and Locating

The System uses standard 2G Base Station technology. It allows Detection and Grabbing of GSM mobile handsets within its operational area and storage of handset parameters in a data base. These can be uploaded to a central database management system.

The operator can influence the coverage area by changing the transmitted power. It is also possible to connect amplifiers and optional Antenna systems. Urban coverage is generally up to a radius of 20-50 meters and 20-150m in rural areas.

By networking multiple units together a large room / building can be covered. With multiple units triangulation is used to locate the devices which are displayed on a moving map.

Mobile handsets are only briefly affected by the detection system as their parameters are measured and then either held / jammed with service denial, or permitted to continue with normal operation. There is no detectable footprint of selection on the target handset. The system embodies a full Cellular Network to scan to allow selection of the optimum cells for occupancy by the Cell-Grabber, Cell-Block™, Digital RF's Jamming system is deployed to block 3G, 4G and CDMA services.

Frequencies Covered	GSM 850, 900, 1800, 1900MHz WiFi 2400MHz
Operation	Grabbing 2G Jamming 3G, 4G, CMDA
Locating Triangulation	Multiple nodes provide high accuracy based on RF levels
Transmission power	5mW - 0.5W
Dimensions	L 350mm, W 200mm, H 1500mm (Each BTS unit)
Power	110 - 220V
Weight	~ 5Kg (Three channel BTS)
Operational Temp range:	- 20 to 55°C
Humidity	5 - 90% non condensing



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