

Science and Innovation Centre
Station X, Bletchley Park
Sherwood Drive
Milton Keynes
MK3 6DS, UK

Tel +44(0)1908 677062
Fax +44(0)1908 230732
Mob +44(0)7836 521376
Email info@shearwatertscm.com
Web www.shearwatertscm.com



Searchlight - GSM/UMTS detection and location system

GSM based devices, arguably today's greatest eavesdropping threat



Key features

- Easy to use
- Quick and detailed results
- Automated detection and analysis processes
- Locate and eliminate mode
- Threat analysis tool
- Comprehensive and regularly updated database

SearchLight provides a cost effective method to speed up comprehensive sweeps for the most rapidly emerging GSM based eavesdropping devices. GSM devices have replaced traditional RF device types as the most common threat and this trend will only increase as GSM technology and bandwidths improve.

SearchLight can be used to detect and locate GSM/UMTS devices of the following kinds; Eavesdropping, Mobile Phones, IED Detonation Triggers, Trackers, Modems and Alarms.

System overview

The system uses active, patented techniques to find any GSM and UMTS devices in the areas to be swept. When devices are found the SearchLight operator can quickly distinguish between legitimate or authorised mobile phones and GSM bugging devices. Automated processes, network surveying, system set up and range selection, device detection and results analysis make the system effective and efficient.

SearchLight's database determines the threat level of a suspect device and is updated on a monthly basis to ensure the very latest threat information is available.

When a device is demonstrated to be hostile it can either be activated for precise location and removal or the operator can decide to allow or deny it service at will.

White lists of mobiles can be compiled so that the system does not flag the operators mobile or other legitimate mobiles as possible hostile devices.

SearchLight is exceptionally easy to use and does not require the operator to have technical skills beyond the training Course. Sweep activities and results are logged for comprehensive report generation and can be configured to sweep networks in different Countries.

Specification

Frequency bands:

The system can be supplied to cover up to two GSM bands. All standard GSM bands are available (850, 900, 1800, 1900MHz). UMTS bands covered include 2,100Mhz, 850Mhz and 700Mhz.

Range:

Dependant on GSM activity the range is currently between 3 Meters to 50 Meters. The range is set and adjusted by the user

Antennas:

Omni-directional on board antennas

Power:

12V DC Input: 4 Pin XLR Connector
Supplied with 120v-240V mains adaptor

Physical:

Dimensions: 431 x 300 x 132mm
Weight: 10kg approx
Operating temperature: 0°C to +40°C