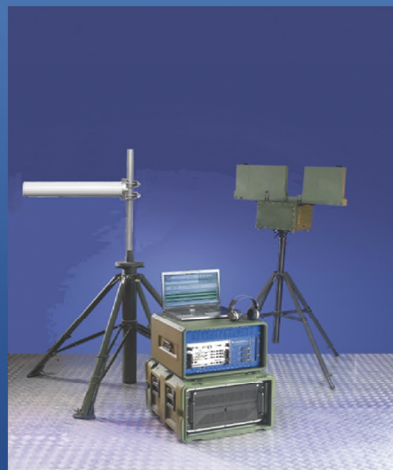


Off-the-air interception and DF system

GSM77



The GSM77 is a modular, high capability passive off-the-air GSM interception, monitoring and geo-location system optimized for tactical COMINT operations.

The system is deployed to intercept, monitor and locate GSM traffic (voice and SMS), off-the-air in a passive mode, without interfering with cellular network operation.

The GSM77 enables simultaneous monitoring of multiple duplex GSM calls and can log and record multiple targets.

The system can be enhanced with an accurate passive GSM DF system.

Features

- Passive interception and monitoring of voice and SMS traffic, without interfering with the operations of the cellular network
- Passive DF and geo-location capabilities
- Compatible with all cellular GSM frequency bands (900/1800 Mhz), including E-GSM and American frequency bands (850 / 1900 Mhz)
- Full coverage of multiple frequency cells -64 ARFCNs (expandable)
- A/5.2 deciphering – real time
- A/5.1 deciphering – near real time
- Management and prioritization of targets
- Installation on different platforms, including on vehicles
- Compact, robust and portable
- BATS proprietary high-gain portable antenna for stand-off scenarios and long-range interception

Applications

- Border surveillance and protection
- Critical infrastructure protection

Specifications

European frequency bands (Mhz):

Uplink: 880 – 915	downlink: 925 - 960
Uplink: 1710 – 1785	downlink: 1805 – 1880

American frequency bands: (Mhz)

Uplink: 824 - 849	downlink: 869 - 894
Uplink: 1850 - 1910	downlink: 1930 - 1990

Signal sensitivity:	-95 dBm
Vocoder – supported CODECS:	HR, FR, EFR, AMR, HAMR
Electrical specifications:	Interception system – 220V, 400W
	Deciphering Unit – 220V, 700W
	FR Unit – 220V, 70W