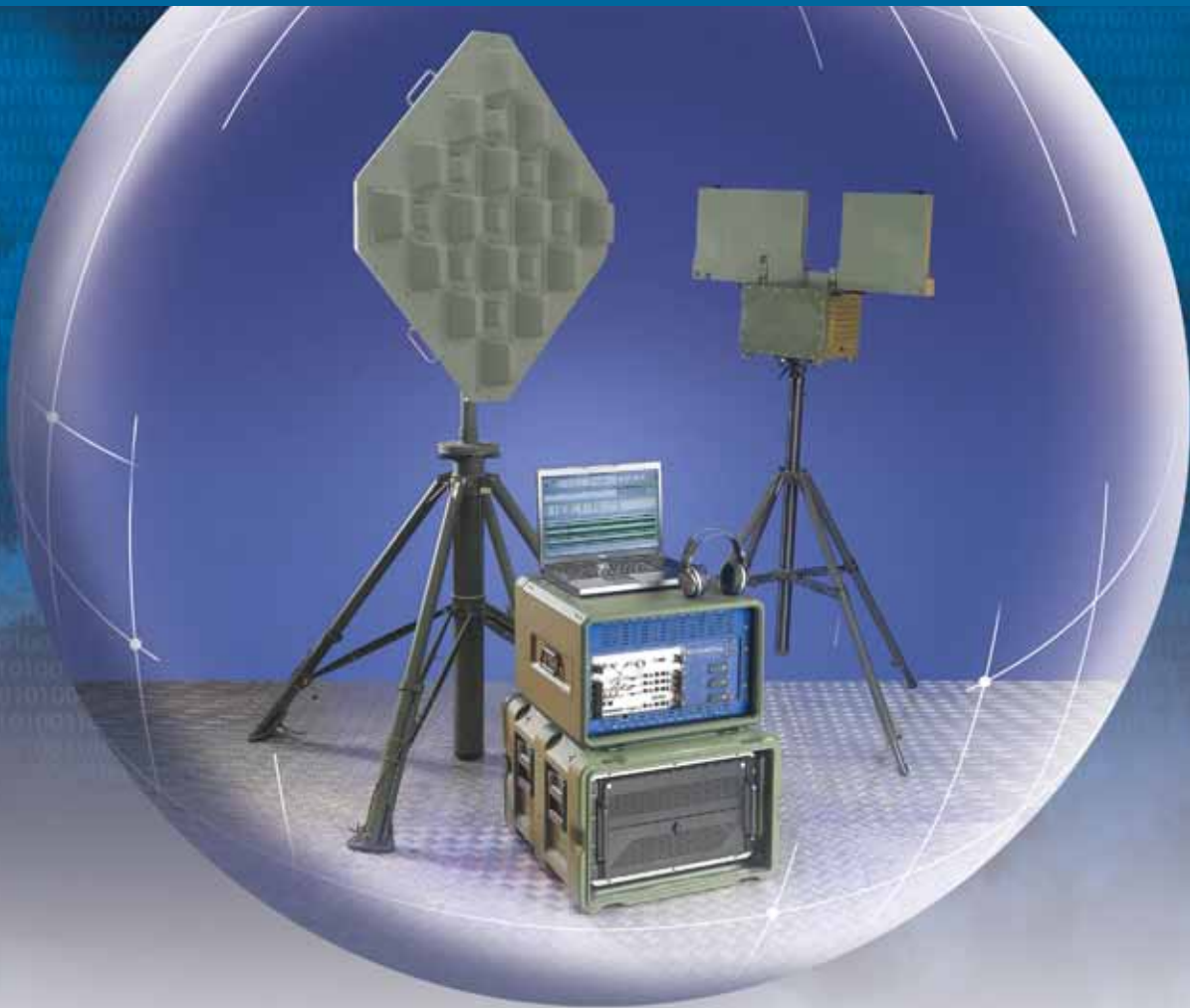


GSM Off-the-Air Interception and DF System ■ ELK-7077



■ INTELLIGENCE, SURVEILLANCE, RECONNAISSANCE

General

The ELK-7077 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 ELK-7077 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

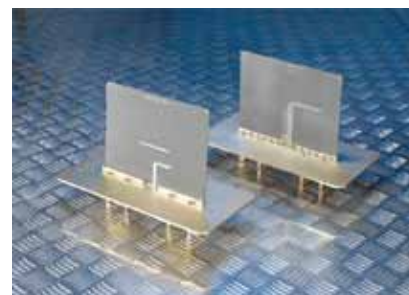
- Compatible with all cellular GSM frequency bands (900 / 1800 MHz), including E-GSM and American frequency bands (850 / 1900 MHz)
- Full coverage of multiple frequency cells - 128 ARFCNs (expandable)
- A/5.2 deciphering - real time
- A/5.1 deciphering - near real time
- Management and prioritization of targets
- Installation on different platforms, including on vehicles
- Compact, robust and portable
- ELTA's proprietary high-gain portable antenna for stand-off scenarios and long-range interception

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System Specifications

Description	Parameter Values
RF RECEIVER UNIT	
European frequency bands	Uplink: 880 - 915 MHz, Downlink: 925 - 960 MHz Uplink: 1710 - 1785 MHz, Downlink: 1805 - 1880 MHz
American frequency bands	Uplink: 824 - 849 MHz, Downlink: 869 - 894 MHz Uplink: 1850 - 1910 MHz, Downlink: 1930 - 1990 MHz
Signal sensitivity	-95 dBm
Vocoder - Supported CODECs	HR, FR, EFR, AMR, HAMR
Electrical specifications	Interception System - 220, 400Watt Deciphering Unit - 220, 700Watt DF Unit - 220, 70Watt



Directional Receiving Antennas

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