

# Airborne Passive GSM Interception & Monitoring ■ EL/K-7066



■ INTELLIGENCE, SURVEILLANCE, RECONNAISSANCE

## General

ELTA's EL/K-7066 GSM COMINT system is a passive communication intelligence system with enhanced RF and processing capabilities. The system can be installed on aerostats and helicopters.

The system performs off-the-air passive interception and monitoring of voice and SMS GSM traffic, without interfering with GSM cellular network operation.

This advanced system incorporates ELTA's vast experience in development and manufacturing of cutting edge COMINT systems.

## Features

- Fully passive airborne cellular GSM interception and monitoring
- Implementation of advanced spatial and signal processing algorithms to mitigate cellular transmission interference

- Enhanced signal processing features eliminate multi-path, fading, doppler shift and interferences
- Priority management mechanism facilitates efficient allocation of system resources to high value targets
- Integrated robust deciphering unit capable of extracting ciphering key (Kc) in low SNR and high BER conditions

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Ground Intelligence Exploitation Unit

## Operational Highlights

- Scan mode provides a list of all covered intercepted base stations and their technical parameters
- Target calls can be filtered both by identity parameters (IMSI, TMSI, IMEI, MSISDN) and by operational parameters (calling/called external party, area of activity, etc.)
- The system manages an advanced Target Book with priority mechanism
- The system stores CDRs (Call Data Records) in a database

- The system records several calls simultaneously. Operator can monitor the recording of individual calls online and offline

## Main System Elements

- Multi-channel receiver for effective coverage of large number of cellular cells
- Advanced Signal Processor Array and algorithm
- Intelligence exploitation module supporting real-time operation and deciphering

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