



## SSI 1500

### Signal Intercept System



#### DESCRIPTION

The SSI 1500 signal Intercept system is a powerful collection of advanced processing elements and sophisticated software that combine to comprehensively monitor the local GSM air interface. Once configured, the SSI 1500 vigilantly monitors, processes, organizes and stores the GSM air interface activity in the local area. The modular system conveniently fits into a carry-on size transit case, or can be rack mounted for more permanent installations.

#### APPLICATIONS

- Determine mobile station identities associated with suspect's phone numbers
- Area monitoring with alerting to presence of known suspects
- Monitor "who's calling who" within area
- Determine phone number associated with a potential suspect's mobile station identity
- Determine suspect's location within 200-400 meters
- Replay network activity in support of post-event forensic analysis

#### SPECIFICATIONS

- GSM environment activity characterization
- Up to 64 ARFCNs (512 signal and traffic GSM timeslots/channels)
- Up to 32 channels of real-time processing
- Covers all ETSI/ANSI GSM frequencies
- 240 MHz total starting BW for complete coverage of forward/reverse bands and forward/reverse hyper-bands

*This brochure has been cleared for open publication by the  
Office of Security Review, Department of Defense (ref: 13-S-1038)*



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### FEATURES

- Completely passive monitoring of GSM air interface
- Real-time processing for up to 32 control channels
- Advanced post-event forensic analysis support for all user metadata (including location information) for every GSM network event occurring on up to 512 control/traffic channels
- Real-time notification of operator specified air interface signatures including specific IMSI, IMEI and TMSI values
- Easy to setup and configure with simple and intuitive GUI

### KIT CONTENTS

- Laptop Team Server
- Receiver Radio Module
- Receiver Processing Module
- Mobile Identity Processor
- Mobile Phone Number Processor
- Special Air Interface Processing Module
- Communications Server
- Power Adapter and Cable Kit
- Antenna Kit
- Custom Transport Case

**SSI 1500 easy-to-use GUI allows user to setup quickly for fast results.**



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