OPKAR-G1
REMOTE-CONTROLLED EW SYSTEM

- Training of EW operators under jamming
- Electronic attack in V/UHF frequency band
- Radio communication simulation and voice deception
- Spectrum monitoring
- Remote controllable
- Inspecting comm systems ECCM capability under jamming
- Application of jamming techniques against target communication systems

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**OPKAR-G1**

**REMOTE-CONTROLLED EW SYSTEM**

ASELSAN’s extensive EW technology expertise has produced an important advance in electronic warfare systems with Remote-Controlled EW System.

The system consists of state-of-art high-speed DDS (Direct Digital Synthesis) and RF technology in a robust integrated package that provides great flexibility and functionality.

OPKAR Field Units can be operated individually, remotely or in coordinated groups, typically deployed across an area to form an EW battlefield.

OPKAR is not just a communications jammer; it also offers a broad range of other functions including audio interference jamming and deception modes of operation.

It can even be reprogrammed to add jamming profiles for jamming operations and audio records for deception operations.

Access to all the systems extensive capabilities is through a standard computer or laptop running an OPKAR Mission Software that provides operation and easy configuration of the field units via direct cable connections or radio commands.

The system utilizes communication interface to join a mesh network operation formed by possible other OPKAR Field Units and Relay Units.

### Applications
- Training communication system operators under jamming
- Inspecting ECCM capabilities of communication and electronic warfare systems
- Application of jamming techniques against target communication systems

### Operational Capabilities
- Spot jamming
- Barrage jamming
- Responsive jamming
- Deception
- Spectrum monitoring
- Mesh network operation
- Individual (manpack/stand-alone), remote, coordinated groups operation

### Main Features
- Compact design
- Frequency range: V/UHF
- Output Power: Customer specific solutions could be offered
- Operating temperature: -30°C to +50°C
- 2,5 hour non-stop jamming capability with LI-ION batteries
- AM and FM modulations are supported
- Deception by using pre-loaded audio records
- Out-of-band communications
- Remote control with mesh network infrastructure
- Built-in GPS receiver
- GPS disciplined Chip-Scale Atomic Clock synchronization between OPKAR Field Units
- Cooperated operations are supported
- Built-in-Test (BIT) capability, ease of maintenance
- User friendly graphical interfaces
- AC battery charger
- Scheduled Operations
- Protected Frequencies and Bands

### Options
- Manpack/Vehicle Responsive Jamming System applications for Radio Frequency (RF) Controlled Improvised Explosive Devices (RCIEDs)