ARES-2LC/T
MAN-PACK ESM/ELINT SYSTEM

SMALL SIZE AND LIGHT WEIGHT
EASY DEPLOYMENT AND OPERATION
SUITABLE FOR COMPLEX COMBAT ENVIRONMENT
HIGH PROBABILITY OF INTERCEPT (POI)
LOW PROBABILITY OF FALSE ALARM
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System is light in weight, has easy deployment and operation features. It can be operated in complex combat environment where it is difficult for vehicle to reach. Two or three soldiers can carry the equipment units to the deployment site to execute the mission.

Can search, intercept, measure, analyze, DF and classify conventional and complex types of signals for ground, airborne, naval radars like missile seeker, guidance radar, ship born tracking radar, fire control radar.

Consists of the following subsystems which are packaged and transported by 4 packages. The system can be simply installed and fast deployed within approximately 15-30 minutes. Subsystems are listed as:

- Antenna and RF Front-End Unit
- Antenna Lifting Mechanism
- Receiver and Processor Unit
- Control Unit
- Power Supply
- Operator Console (Laptop)

General Features

- Small Size and Light Weight
- Easy Deployment and Operation
- Suitable for Complex Combat Environment
- High Probability of Intercept (POI)
- Low Probability of False Alarm
- Capability of Frequency, PRF, PW, Antenna Scan Type/Period, Modulation Type Measurement
- Inter-pulses and Intra-pulse Record & Analysis
- Direction Finding
- Detection of Modulated CW Signals
- Mission Data File (MDF) including Submodes, Radars and Platforms

Performance Features

- Frequency Range : 2-18 GHz
- Sensitivity : ≤ -70 dBm
- Dynamic Range : > 60 dB
- DF Accuracy : ≤ 2° rms
- Frequency Accuracy : ≤ 2 MHz rms
- PRI Interval : 2 μsec – 50 msec
- PW Interval : 60 nsec – 250 μsec
- Reaction Time : ≤ 1 sec