EJDERHA-PORTABLE
PORTABLE HIGH POWER ELECTROMAGNETICS (HPEM) SYSTEM
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ASELSAN’s EJDERHA-Portable is a High Power Electromagnetics (HPEM) generates extremely high-amplitude electromagnetic fields in specific frequencies and directs them to the potential targets such as eavesdropping devices (covert listening devices) commonly known as bugs with its specially designed directional antenna-reflector set and damages/burns its electronic circuitry to stop their operation.

Consisting of a high power DC charger, a Marx Generator, a disguised antenna and a reflector, the HPEM System generates high-frequency high-power electromagnetic waves by releasing instantaneous (in ns) high energy pulses.

Application Areas

Eavesdropping devices (covert listening devices) commonly known as bugs consist of a miniature radio transmitter and a microphone used in surveillance, espionage operations by intelligence agencies and police. Bugs can be set up deep in furniture, concrete walls, floors, ceilings or souvenirs and still transmit signals. There may be no other way to extract them except for complete destruction of the building/furniture.

EJDERHA-Portable, as perfect means of counter-espionage, can be used in protection against eavesdropping devices (covert listening devices) by performing Clearance/Neutralization of bugs in offices, meeting rooms, embassies, diplomatic posts behind/inside walls or furniture.

EJDERHA-Portable is designed as a hand-held device and can be easily carried by the counter-espionage personnel. For clearance of a building or a meeting room from eavesdropping devices (bugs), the personnel performs a complete scan with EJDERHA-Portable and damages/burns electronic circuitry of threats without a need of detection by firing instantaneous high energy pulses.

Basic Features

- **Application Type**: Eavesdropping Devices (Covert Listening Devices) by Clearance/Neutralization of Bugs in Offices, Meeting Rooms, Embassies Behind Walls/Inside Furniture.

- **Electric Field**:
  - High Power Version: 75kV /m @ 1 m
  - Low Power Version: 35kV /m @ 1 m

- **Pulse Frequency**: Adjustable, more than 10 pulses per second

- **Beam Width**: ±45°

- **Beam Width**:
  - High Power Version: 30 kg
  - Low Power Version: 10 kg

- **SAR**: Compatible with Health Standards (No ionizing radiation, no heating effect)

- **No effect on friendly force communication**