SIGN4L

V-Protect

RF COMMUNICATION JAMMING SYSTEM

Due to constantly changing global threats, SIGN4L has developed leading-edge technologies to counter RF controlled devices. Designed and built in the UAE, the RF communication jamming system provides seamless and adaptable protection across relevant frequency bands and technologies. Integrated into a standard SUV, the system is quickly deployable and easily operated for multi-role applications.

SPECIFICATIONS

Product:
SIGN4L has developed a state of the art mobile active/reactive high power jammer system. This system enables jamming of all common terrestrial RF signal technologies as well as portable SATCOM equipment.

Use Case:
- Counter Remoted Controlled Improvised Explosive Device (C-RCIED).
- Counter Drone measures.

Features:
- Mobile operation. Installed in a vehicle, the system is fully self-contained, with the option of external power source for "on-the-pause" operation.
- Easy to use. The system can be operated automatically or manually depending on user requirements.
- Jamming of all frequencies associated with radios, walkie-talkies, mobiles and Wi-Fi.
- Different jamming types including active and reactive.
- Up to 16 wideband jammers for simultaneous operation across all bands.
- Graphical threat selection and topology.

Feature	Specification
Operating Bands	20 to 6000 MHz, continuous (with no gaps)
Common Threats	UHF/VHF
	Cellular 2G/3G/4G
	Bluetooth/Wifi (2.4 and 5 GHz)
	SATCOM (Thuraya, Iridium, Inmarsat)
Jamming Ratio	2:1 (typical)
Number Jamming Elements	Up to 16 simultaneous channels
Total Output Power	>1000W
Antennas	Combination of omni and high gain directional antennas
Capabilities	User defined reactive jamming frequency range, pre-defined active wave-forms
Functionality	No manual hardware configuration changes between bands, frequencies or technologies
Display	Ruggedized Remote Control Unit (RCU) with integrated interactive GUI
Environmental	MIL-STD 810G