

VPJ-1, VEHICLE PROTECTION JAMMER



VPJ-1 is a high quality jamming equipment for protection against RCIED and unauthorized use of cellular communication devices. The VPJ-1 unit is intended for blocking all type of communication within designated vehicle. Its unique design combines effective jamming and strict compliance with international standards of safety and electromagnetic compatibility.

VPJ-1 is a 'plug and play' unit, its installation is quick and its operation is easy. Once the VPJ-1 jammer is operating, all communication receivers present within the jamming coverage area are blocked, and communication activities in the immediate surroundings (including incoming and outgoing calls, SMS, pictures sending, etc.) are jammed.

TECHNICAL DATA

- Frequency ranges:
 - BH1 800 - 1500 MHz
 - BH2 1500 - 2170 MHz
 - BH3 2170 - 2500 MHz
- Synthesizer type digital
- Jamming signal type fast CW sweep signal, chirp (sweep time as low as 20 usec)
- Output power 27 dBm for all bands independently
- Antenna system three PCB antennas
- Frequency ranges:
 - ANTENNA1 800 - 1500 MHz
 - ANTENNA2 1500 - 2170 MHz
 - ANTENNA3 2170 - 2500 MHz
- Impedance 50 Ω unbalanced
- Radiation (H-plane), beamwidth at -3 dB 70° at 920; 60° at 1920 MHz
- Radiation (E-plane), beamwidth at -3 dB 70° at 920; 60° at 1920 MHz
- Polarization linear vertical
- Gain 5 dBi
- S.W.R. in bandwidth
 - \leq 2.0:1 from 800 to 1500 MHz
 - \leq 1.8:1 from 1500 to 2500 MHz
- Max. power 0.5 Watt (CW) per band at 50° C
- Connector SMA-female

- Dimensions
 - ANTENNA1 148.3 x 127 x 45 mm
 - ANTENNA2 148.3 x 127 x 30 mm
 - ANTENNA3 120.5 x 75.5 x 20 mm
 - JAMMER UNIT 300 x 265 x 80 mm
- Power supply 12 Vdc/24 Vdc
- Consumption 40 VA
- Operated temperature range: -20°C to + 60°C

Basic features

- Fully digitized jamming signal synthesis
- Effective jamming in a radius between 5-10 meters (depending on signal strength at site) of vehicle surroundings
- Can block up to three frequency bands simultaneously and independently
- Remote controlled (optional)
- Can be operated via 12/24 Vdc power source

Applications

- Prevention of eavesdropping and information transfer from/to the vehicle
- Prevent activation of RCIEDs on or near the vehicle

Users

- Government agencies
- Military forces
- Police Special Forces
- VIP protection agencies

