

VPJ-2, VEHICLE PROTECTION JAMMER



VPJ-2 is a high quality jamming equipment for protection against RCIED and unauthorized use of cellular communication devices. The VPJ-2 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-2 is a 'plug and play' unit, its installation is quick and its operation is easy. Once the VPJ-2 jammer is operating, all communication receivers present within the jamming coverage area are blocked, and communication activities in the immediate surroundings are jammed.

TECHNICAL DATA

- Frequency ranges:
 - BL1 100 - 200 MHz
 - BL2 200 - 400 MHz
 - BL3 400 - 800 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 100 - 200 MHz
 - ANTENNA2 200 - 400 MHz
 - ANTENNA3 400 - 800 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
 - $\leq 3.0:1$ from 100 to 200 MHz
 - $\leq 2.0:1$ from 200 to 400 MHz
 - $\leq 1.8:1$ from 400 to 800 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

