



01 / CAPABILITY OVERVIEW

SPJ-1

SPJ-1 wideband self-protection radio jammer against RCIEDs



FIG 01 PRODUCT CONFIGURATION

**20 MHz – 6 GHz,
separated in 8 bands**

FREQUENCY RANGE

**up to ~100 m (depends
on terrain configuration)**

JAMMING RANGE

24 Vdc / 51 A

DC POWER SUPPLY

45 kg

WEIGHT

01.1 / OVERVIEW

A 6U rack-mounted wideband self-protection jammer against radio-controlled improvised explosive devices, covering 20 MHz to 6 GHz in eight bands with up to 310 W total output and fed by two external multiport omnidirectional antennas.

TYPE
Jammer

PROCUREMENT AND COMPLIANCE

Supply is exclusively for government and institutional end-users. Availability is subject to destination screening, a state-issued export licence and a verified End-User Certificate.



02 / TECHNICAL SPECIFICATION

TECHNICAL DATA

SPJ-1 / TECHNICAL EQUIPMENT

PERFORMANCE

Jamming range	up to ~100 m (depends on terrain configuration)
Frequency range	20 MHz – 6 GHz, separated in 8 bands

INTERFACES AND OPERATION

Total output power	up to 310 W; 10-100 W per band, with output power amplifier protection (VSWR, temperature, input power)
DC power supply	24 Vdc / 51 A
Operating temperature	-15 °C to +55 °C

PHYSICAL DATA

Weight	45 kg
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ADDITIONAL TECHNICAL DATA

Jamming signal types	fast multisweep (50 µs) up to 3 subbands per every band; fast FM sweep (whole band, subbands)
Communications bands/channels	programmable as required
Mission programming	via USB or LAN interface
Manual control	via preprogrammed push buttons
Remote control	via Ethernet interface (Windows application included): ON/OFF per band, power adjust, jamming signal bandwidth adjust, modulation type choice, system monitoring
Case type	amortized 19" rack, 6U
Antennas	two external multiport omnidirectional (360°) antennas along with suitable RF cables



03 / CONFIGURATION VIEWS

CONFIGURATION VIEWS

SPJ-1 / SUPPLEMENTARY CATALOGUE VIEWS

FIG 02 / Rear connector panel and antennas



FIG 03 / RC SPJ remote control panel

