

PELENA-20TS

HIGH-POWER SYSTEM FOR JAMMING WITHIN THE BROAD BANDWIDTH TO BE INSTALLED ON ESCORT VEHICLES



The Jammer is designed for radio counteraction to control channels within the bandwidth of 20 to 7000 MHz (optionally up to 13,000 MHz) when moving as an escort vehicle as part of a convoy.

The Jammer is installed on a wheelbase (cross-country vehicle or mini van).



The Jammer is powered from the Power Supply System incorporated in the device.



Signal shaping system, antenna system, power supply system, system of personnel protection from electromagnetic radiation, air conditioning and heating system, system for fastening to a vehicle, control and indication system, tools and accessories kit, set of operating documents.





BASIC FEATURES

- The Jammer is placed in a luggage space or on a roof of a vehicle for uniform distribution of the load on the chassis to retain controllability and dynamic characteristics
- The antenna system is installed on the vehicle roof in a radar-transparent case to ensure maximum masking and protection from moisture, dust and other environmental exposures
- The circuitry and design of the Jammer equipment provide for the high extent of maintainability and prevent emergency situations
- The product is equipped with the control and indication system including the wired remote control and the remote control based on a rugged tablet. It enables wired and wireless control of the Jammer operation, setting of operation modes, indication of equipment status, serviceability diagnostics
- The automatic monitoring system of the product ensures permanent monitoring and shows the equipment condition, necessity for repair or scheduled works. Additionally the system records major events and abnormal operation modes of the Jammer
- The power supply system is designed for autonomous and continuous power supply for over 4 hours. Modular design of the system supports continuous operation and enables hot swapping of discharged batteries while the Jammer is operating. Batteries can be charged both from the 220 V AC mains and vehicle onboard mains
- The Jammer combines Barrage (solid filling of the radio-frequency spectrum with a powerful, uniform signal), Aiming (monitoring and counteraction) and Windows (absence of counteraction within selected bandwidths) counteraction modes to allow adapting the equipment application to the task to be accomplished
- In the spectral density and output signal power redistribution mode, the equipment analyzes the electronic environment and enhances the counteraction in bandwidth segments of potential danger, depending on hazards detected

Type:
 Operating frequency band:
 Overall output power emitted within the bandwidth:

mobile system
 20...7000 MHz (to 13000 MHz)

minimum 1135 W

Time of continuous autonomous operation of the Jammer powered from the power supply system incorporated in the Jammer - 4 h