



RADIO SYSTEM RS 125/50-1



Mobile battalion radio intermediate system is intended for retransmission of radio communication between VVF-VVF and VF-VVF radio participants at the battalion level, as well as data routing within and between VVF and VF radio network.

RS-125/ 50-1 is compatible with elements of the mobile and stationary components of the telecommunications

system of the Air Force, systems of other holders and other systems in the Army in the next points of interconnection:

- In radio subsystem (VVF and VF).

RS-125/50-1 with integration of Telecommunication and Information devices, subsystems and equipment, systems have the following basic telecommunication technical characteristics:

- Wire Ethernet data transmission of IP data with rates up to 100 Mb/s at the distance up to 100 m using a field-type tactical cable Ethernet STP,
- Wire Ethernet data transmission of IP data with rates up to 1000 Mb/s at the distance up to 500m using an optical-type tactical cable Single Mode,
- Radio transmission of voice and data in the VVF frequency range from 30 MHz to 87.975 MHz, with minimum transmit power of 45 W, using radio device Thales TRC 9310-3C,
- Radio transmission of voice and data in VF frequency range from 1.5 MHz to 29.999 MHz, with minimum transmit power of 100 W, using radio device Thales TRC 3730 with rod and wire dipole antenna.

