



R-330ZH

The R-330ZH automated jammer provides solutions to the following tasks:

- automated detection, direction finding and analysis of radio emitter signals in the operating frequency range;
- electronic countermeasures (ECM) against portable and mobile ground stations (subscriber terminals) of satellite communication systems (SCS) INMARSAT, IRIDIUM, basic stations of cellular communication system GSM-1800 and navigation equipment of consumers of satellite radio positioning system NAVSTAR (GPS);
- automated telecode information exchange with a similar interfaced jammer for synchronous direction finding of radio emitters for calculating their coordinates;
- automated telecode information exchange with a higher control post in order to receive a jamming mission and report the jamming results;
- automatic equipment testing and detection of faulty elements (components);
- maintaining map data with display of information on the detected radio emitters on the background of electronic terrain map or in the orthogonal grid.

The automated jammer consists of the equipment vehicle and antenna trailer.

R-330ZH jammer modes:

- standalone operation;
- operation in a pair with a similar item as a master station;
- operation in a pair with a similar item as a slave station;
- independently and in a pair with a similar item under control of the R-330KMA-type control post.

Main characteristics:

- Frequency band, MHz:
 - in radio surveillance: 100 to 2000;
 - in radio jamming: 1227,6; 1575,42; от 1500 до 1900;
- Radio emitter bearing error, deg: not more than 3
- Frequency band scanning rate, MHz/s:
 - in detection mode: not less than 800
 - in direction finding mode : not less than 400
- Total energy potential of four active transmit phased arrays, W: not less than 6000
- Number of quasi-simultaneously radiated jamming signals: not more than 12
- Beam angle of each of the 4 active transmit phased arrays, deg: 90 to 120 in azimuth; up to 20 in elevation
- Ground user equipment jamming range, km: 20-25
- Airborne user equipment jamming range, km: not less than 50



- Telecode information exchange rate, bit/s : not less than 1200
- Standard transport vehicle: URAL-43203 truck
- Power supply:
 - generator trailer: 220/380 V, 50 Hz
 - industrial power system:
 - emergency power supply of radio surveillance and radio communication equipment: +27VDC
- Power consumption (when powered from AC power system), kW:
 - w/o life-support system: not more than 2,5
 - with life-support system: not more than 10
- Emplacement (displacement) time, min: not more than 40
- Mean time between failures, h: not less than 1600
- Crew:
 - peacetime: 3
 - wartime: 4





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