Main advantages

- **Light and compact, easily reconfigurable;**
- **DDS technology of signal synthesis;**
- **Multiplexing of channels in time;**
- **From 40 to 400 W of effective power;**
- **Compatibility with a wide range of user tasks;**
- **Programming and control via Ethernet or Wi-Fi.**

Constant development of new more effective electronic equipment and rapid evolution of public and military communications networks lead to faster obsolescence of jamming

equipment and systems. New types of signals appear, frequency ranges are extended, and speeds are increasing. Existing jamming algorithms do not work for parameters of new systems of communication, which makes jamming ineffective. That´s why, reprogramming and remote control, which allows changing configuration and controlling spectrum and frequency range, have become the most important features of jammers today. All the modern jamming systems of recognized producers, such as TRL Technology, Raytheon, etc., have these options.

Following modern trends, specialists of *Radioservice* company have developed RS-300M intelligent jammer with software that allows changing structure of blocking signal, number of bands, spectrum width and other parameters of blocking signal. The software permits performing all these functions remotely, via either Wi-Fi, or network cable (Ethernet). Operation algorithms use temporary channel multiplexing, which allows saving system’s energy resources. It is possible to control the jamming process even from an ordinary tablet.

Portable jammers with integrated system of forced cooling are designed for jamming of mobile phones and wireless access channels of all the existing standards, as well as for blocking of any detected sources of unauthorized radio emissions. An operator can change a signal for jamming from a set of standard blocking signals, or synthesize blocked signal by his own discretion. If the jammer works together with a monitoring receiver, the blocking signal is turned on automatically after detection of the corresponding subscriber’s signal, or after analysis in the computer of the radio receiving device of the detected unauthorized

signal.

In intelligent mode (Reactive Jamming), and for control of jammer’s operation, it is recommended to use Spectrum Jet 3.0 real time receiver with analysis speed up to 40-50 GHz/s. A spectrogram of synthesized blocking signal is displayed as a screenshot, which includes 4 jammer’s channels, GSM 1805-1880 MHz and UMTS (3G) 2110-2170 MHz, band 2400-2483 MHz (Wi-Fi, Bluetooth, ZigBee), and LTE (4G) band 2710-2770 MHz. All the settings are saved till the next turning on of the equipment.