TECHNICAL CHARACTERISTICS* OF THE MOBILE SYSTEM FOR COUNTERING SMALL-SIZED UAVS (VERSION "VIP-SUPPORT")

No.	Denomination	Value
1	Operating frequency range of continuous radio surveillance	from 0.4 to 6 GHz
2	Surveillance links	radio surveillance Wi-Fi DJI LTE (4G)
3	Safety zone limits in azimuth	360°
4	Safety zone limits by elevation angle	± 90°
5	Number of tunable emission ranges of jamming signals in the range from 400 to 6000 MHz in each sector	2
6	Number of jamming sectors	4
7	Number of jamming channels in each sector	3
8	Number of non-tunable emission ranges of anti-satellite navigation jamming signals in each sector	1
9	Operating temperature range for equipment	from minus 30 °C up to plus 50 °C
10	Power supply voltage	220 V ±10% 50 Hz
11	Maximum power consumption of AC mains, no more than	6000 VA
12	Equipment weight (without transport base), no less than	500 kg
13	UAV signal detection and identification range:**	
	UAV of quadrocopter-type with power budget of emitting signal no less than 0.2 W	up to 5 km
	UAV of aircraft-type with power budget of emitting signal no less than 1 W	up to 15 km
14	Control link jamming range:**	
	UAV with power budget of emitting signal no less than 0.2 W	up to 4 km
	UAV with power budget of emitting signal no less than 1 W	up to 10 km
15	Duration of continuous operation in standby mode***	24 hours 7 days
16	Duration of continuous operation in jamming mode	up to 2 hours
17	Crew	operator – 1 driver-technician – 1

* Technical characteristics of the System may change as continuous modernization of the System and the UAVs opposing to it is carried out;

** Specific detection and jamming ranges of UAV control links depend on:

- the distances between the control panel, the UAV and the System;
- the type of UAV control signals;
- the transmitter power of the UAV control panel,

and also depend on:

- angles of closure of the visible radio horizon;
- electromagnetic environment (presence and distance to mobile communication base stations and Wi-Fi modems);
- elevation changes in terrain;
- height and topology of surrounding buildings;
- presence of unintentional noise sources.

*** Subject to the organization of external power supply or constant refueling of the System's electric generator.