

AIRBORNE TRANSMITTER "MOSKIT"

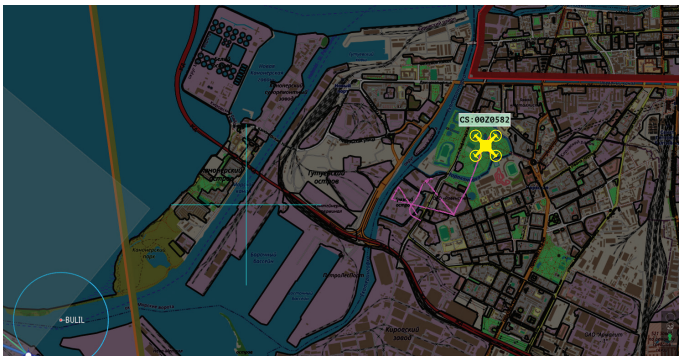
Compact airborne transmitter (transponder) "Moskit" of 1090ES standard records and transmits identification number, coordinates, altitude, speed and course of an aircraft it is mounted on, as well as messages on its operation status. The transponder "Moskit" can be installed on any UAV type of different manufacturers.

Use of the transmitters together with other surveillance technologies provides monitoring system operators and ATC controllers with situation awareness on a completely different level, as well as it ensures an increase in flight security level.

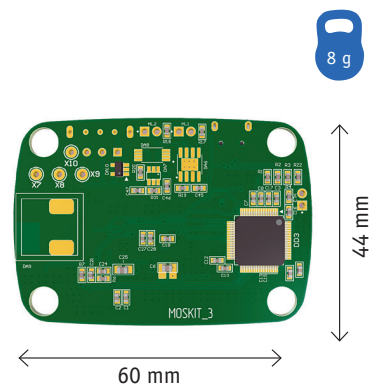


EQUIPPING A UAV WITH AIRBORNE TRANSMITTER ENSURES:

- » identification and monitoring over the UAV in all flight phases;
- » checking for compliance with airspace use requirements;
- » integration of information on the UAV and its actions into an overall picture of airspace within the surveillance area.



DESIGN OPTIONS



For external installation in its own frame

For internal installation under a UAV's frame

The transmitter uses the built-in power and navigation information sources

The transmitter uses the power and navigation information sources of the UAV it is installed in

Compact dimensions

Light weight

Low power consumption

SPECIFICATIONS

Radiation frequency, MHz	1090
Radiation power, dBm (W)	+28 (0.63)
Power voltage, V	5.0

Extended squitter type	DF18
Operating range	7 km
Current consumption, mA	200

USE

This transmitter is used for monitoring of the use of UAVs that perform the following tasks:

- » operation within an assigned area/area of responsibility;
- » surveillance over the site perimeter;
- » patrolling of long-span areas;
- » movement along fixed route points.



The airborne transmitter "Moskit" is manufactured in compliance with the requirements of ICAO, Annex 10, vol.4.