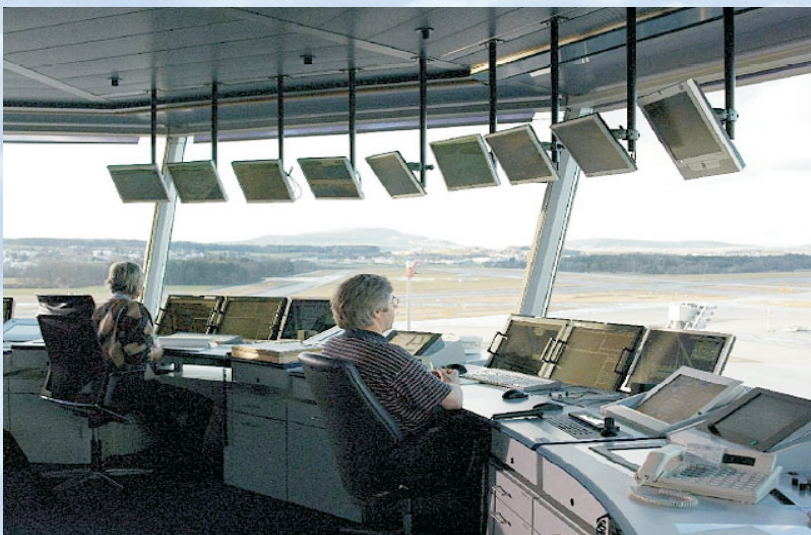
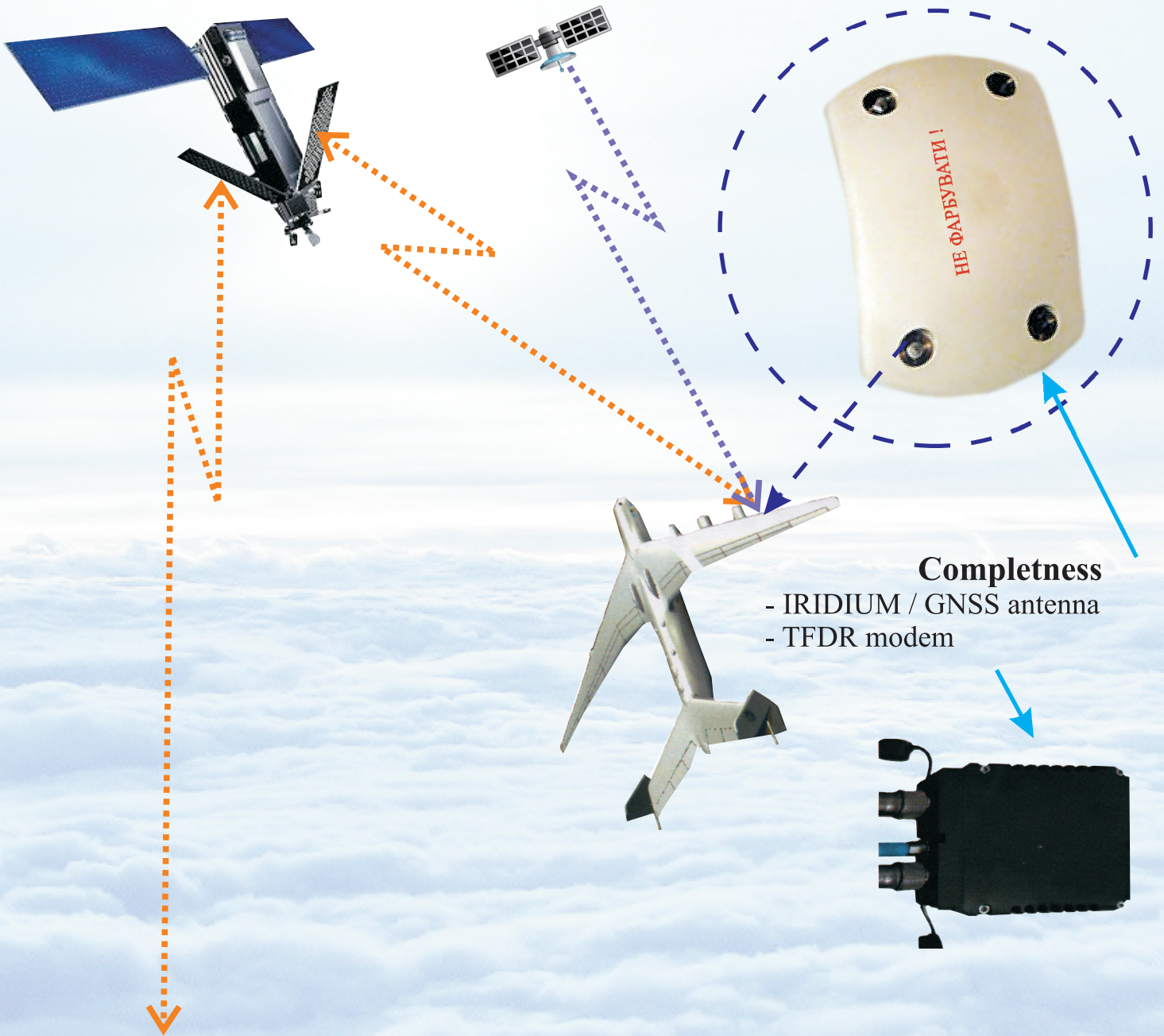




Transceiver Flight Data Recorder (Black box) ACH-5301



Function

The transceiver is designed to transmit IRIDIUM data from the flight data recorder to the ground control infrastructure control points via the satellites of the IRIDIUM system.

ACH-5301

SPECIFICATIONS



Operating frequency GNSS L1	- (1570 – 1606) MHz
Operating frequency IRIDIUM	- (1610 – 1626,5) MHz
IRIDIUM transmitter power	- up to 1 W (to be controlled)
Antenna Gain in to zenite	- up to 3,2 dB
Bandwidth of the data transmission channel	- up to 32 kbd*
Activation and identification in the IRIDIUM system	- SIM card
Coverage of IRIDIUM system	- global
Ready to work after power on	- up to 2 min**
External configuration	- not required
The input speed	- 115,200 kbd
The volume of the clipboard	- 8 Mb
Hours	- unlimited
Operating temperature:	
- antenna from minus 55° to plus 60 °C	
- modem from minus 30° to plus 55 °C	



Maximum altitude	- 18000 m
Maximum speed	- 500 m/s
Vibration resistance - in the frequency range from 10 to 2000 Hz with the magnitude of acceleration	- 50 (5), $m \cdot s^{-2}$ (g)
Supply voltage	- 18...36 V
Power supply	- no more 8 W
Dimentions, mm:	
- antenna	120*74*44
- modem	100*125*30
Mass, kg:	
- antenna	0,17
- modem	0,4

Complete with special software for setting up.

*With the full deployment of the IRIDIUM system

** In the presence of satellite signals in the conditions of antenna placement