

BIRDS-2 Project

Power Consumption per board during nominal operation

Board	Mode	Voltage[V]	Current[A]	Power[W]	Duration of operation/Orbit[h]
OBC	Normal	3.95	0.08	0.316	1.5
Mission board	Normal	3.95	0.032	0.1264	1.5
COM-1	CW-TX	3.95	0.1565	0.618175	0.5
	AX25RX	3.95	0.045	0.17775	1

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Power Consumption for different Initial Operation Modes

Mode	Voltage[V]	Current[A]	Power[W]	Remarks
Standby Mode	3.92	0.19	0.7448	After ISS deployment. Waiting for Antenna Deployment. COM-1 board OFF.
Antenna deploy	3.92	2.15	8.428	Antenna deployment after 30 mins from deployment from ISS.
Normal operation	3.92	0.27	1.0525	CW transmission mode.
	3.92	0.16	0.6272	In receive mode. Waiting for command.