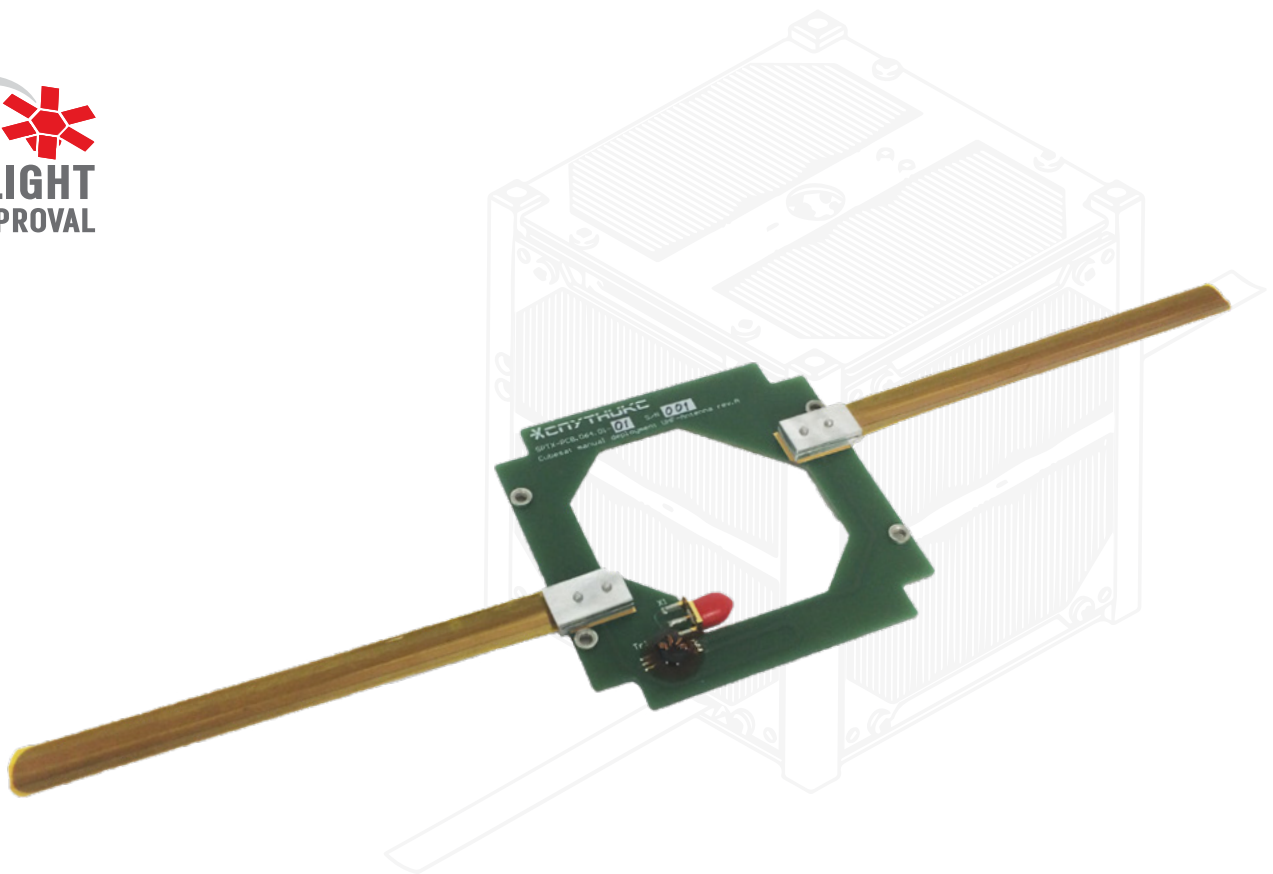




UHF antenna system

SXC-AUH-02



OrbiCraft-Pro UHF antenna system SXC-AUH-02 provides conversion of electrical RF signal to electromagnetic waves for transmit and receive radio signals

Features:

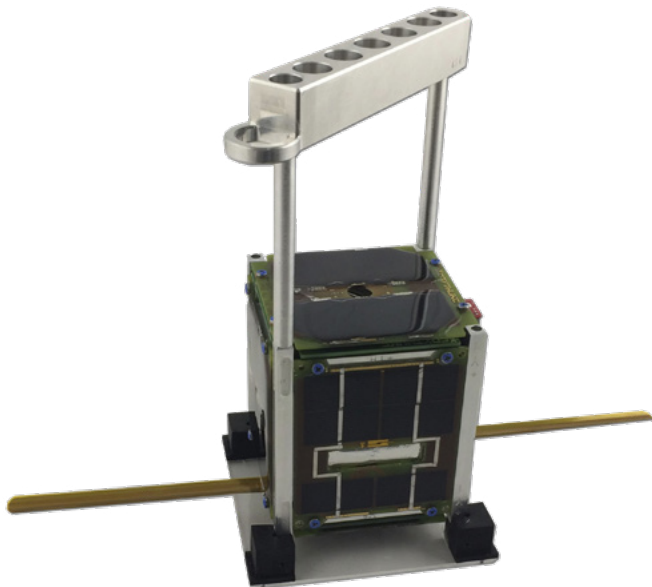
- Robust mechanical design
- Built-in RF balance system

Configuration:

- RF connector orientation



Flexible dipole antenna design allows bending for transportation purpose and automatic deployment after launch. The system is equipped with RF balance system, every item has tuned SWR.



Properties

Dimensions	98 x 98 x 10.5 board (98x362 deployed)
Mass	32g
Antenna type	dipole
Interfaces	SMA, 50 Ohm

Performance

Frequency	430 MHz – 440 MHz @ 6 dB level
Polarization	Linear

Operating conditions

Operating temperature range	-40...+105°C
Storage temperature	-50...+105°C
Mechanical vibration	12 g (request full test report)
Mechanical shock	50g (request full test report)

Testing*

Tests	Options
Functional	QT, AT
Vibration	QT, AT (on demand)
Mechanical shock	QT
Thermal cycling	QT, AT (on demand)
Thermal vacuum	QT, AT (on demand)

QT – Qualifying tests

AT – Acceptance tests

*QT is performed on the design/qualification model

AT is performed on the unit to be shipped

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