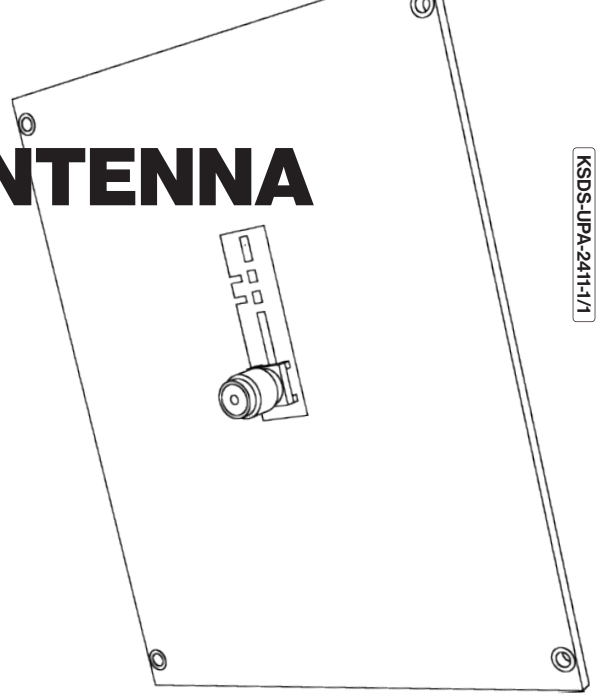
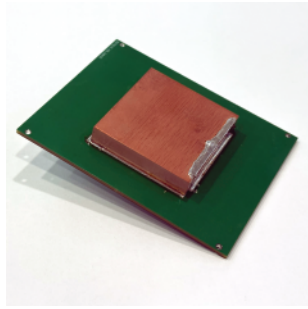
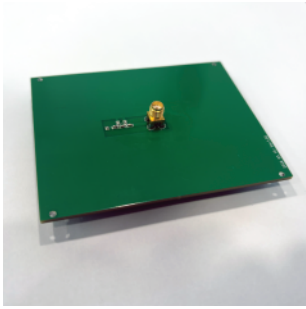


KSPA-U UHF PATCH ANTENNA

DATASHEET

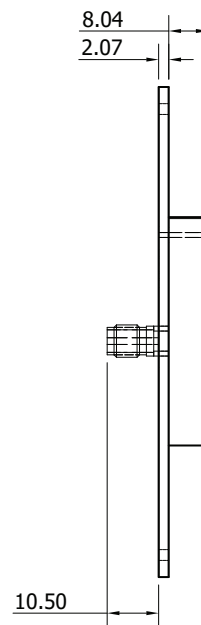
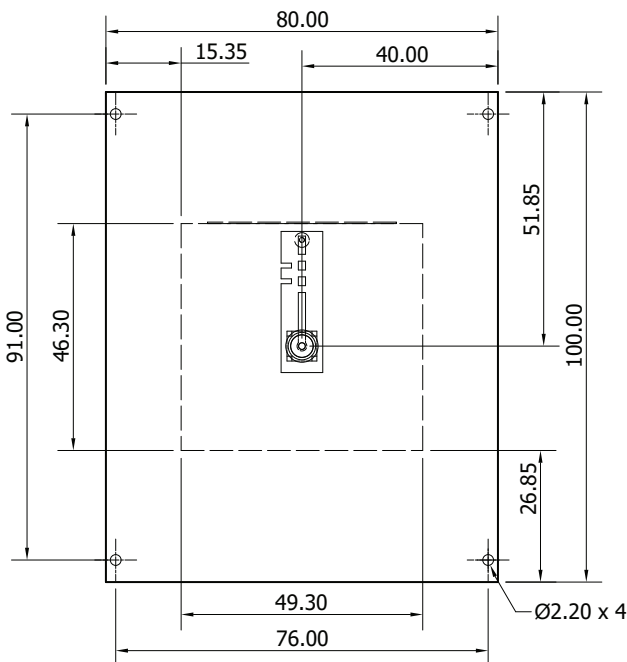
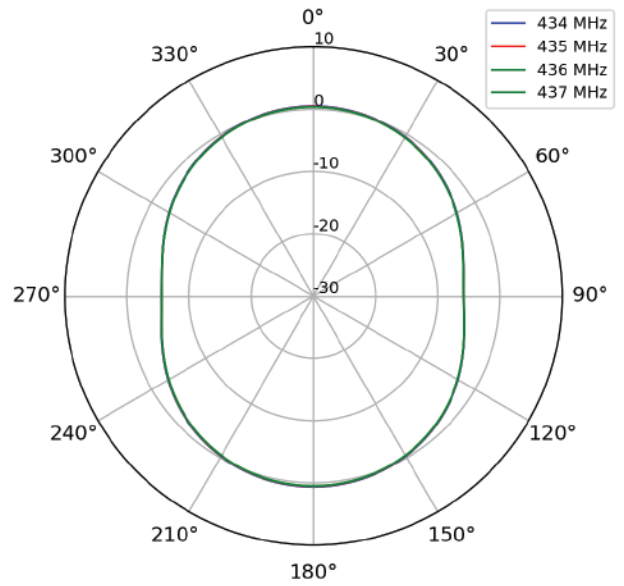


KSDS-UPA-2411-1/1

KSUPA UHF patch antenna is designed for CubeSats to fit in 1U size panel. Unlike most other UHF antennas, it does not require any deployable component. It was first flown in space by KAIROSPACE developed CubeSat, KSAT3U in 2023.

Specifications

Frequency range	434-437 MHz
Gain (calculated)	1.5 dBi
VSWR	≤1.5
Connector	SMA female
Impedence	50 Ω
Power handling	5 W
Polarization	Linear
Half power beam width	120 ±20 °C
Dimensions	80 x 100 x 10 mm
Mass	<100 g



*Units: Metric mm