

Item Requirements

- Article Name: S-band transmitter and antenna for the cubesat
- Type and Quantity

Item No.	Item	Q'ty
1	S-band transmitter and antenna for the cubesat <ul style="list-style-type: none">- S-band transmitter for the cubesat (1EA)- S-band patch antenna for the cubesat (1EA)	1 set

- Delivery Date: Within 90days after the contraction

- requirements for S-band transmitter

Frequency	2.4GHz (Amateur S-band)
RF Power	> 27dbm
Data rate	> 1Mbps
Power supply	3.3V or 5V
Mechanical dimension	Should fit into 1U cubesat.
Data interface	RS422 or SPI
	Should have space heritage

- requirements for S-band patch antenna
 - compatible with S-band transmitter
 - Frequency : 2.4GHz(Amateur S-band)
 - Fit into 1U cubesat
 - Space heritage