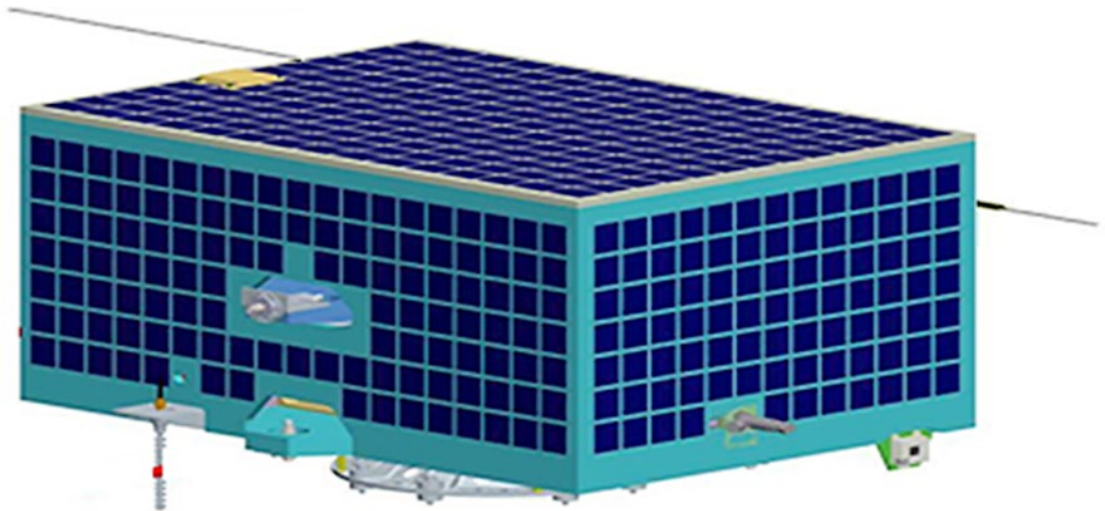


News Release

CAMSAT CAS-6 Satellite will be Launched soon

CAMSAT's amateur radio payload CAS-6 piggybacked on a technology test satellite TIANQIN-1 will be launched at 3:21 UTC on December 20, 2019 at the Taiyuan Satellite Launch Center of China using a CZ-4B launch vehicle. The primary payload of this launch is China-Brazil Earth Resources Satellite CBERS-4A.



- **Satellite Name:** CAS-6/TIANQIN-1
- **Orbit:**
 - Orbit type : SSO
 - Apogee : 629km
 - Inclination : 97.89°
 - Period : 97min
- **Satellite Architecture:** Micro-satellite
- **Mass:** 35kg
- **Stabilization:** three-axis stabilization system with its +Y surface facing the earth
- **Amateur Radio Payload:**
 - Call sign: BJ1SO
 - VHF Antenna: one $1/4\lambda$ monopole antenna with max.0dBi gain is located at +Z side
 - UHF Antenna: one $1/4\lambda$ monopole antenna with max.0dBi gain is located at -Z side
 - CW Telemetry Beacon: 145.910MHz 17dBm
 - AX.25 4.8k Baud GMSK Telemetry: 145.890MHz 20dBm
 - U/V Linear Transponder Downlink: 145.925MHz 20dBm, 20kHz bandwidth, Inverted
 - U/V Linear Transponder Uplink: 435.280MHz