News Release

CAMSAT CAS-6 Satellite will be Launched soon

CAMST’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 1/4λ monopole antenna with max.0dBi gain is located at +Z side
  - UHF Antenna: one 1/4λ 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