HiSPiCO is a transmitter system for S band communication links for small satellites in LEO environment. It is a cost effective, miniaturized, low power solution for CubeSats and achieved TRL 9. The wideband downlink system provides up to 1.6 Mbps at frequencies from 2.1 to 2.5 GHz. Optional matching patch antennas are available.

**HiSPiCO Highlights**
- High-speed data links
- Miniaturized, low power transmitter
- Turbo-Code FEC
- Downlink/TM & Payload up to 1.6 Mbps

### Key Specifications

- **S Band Tx Operation**: 2.100-2.500 GHz
- **Data Rate**: Up to 1.6 Mbps
- **Operational Mode**: DQPSK
- **Linear RF Output Power**: Up to +27 dBm (optional up to +30 dBm)
- **Low Power Consumption**: <5 W @ +27 dBm
- **DC Supply Voltage**: 3.3 - 5.0 V
- **Ultra Small Volume**: < 0.1 U
- **Low Mass**: 100 grams
- **Technology Readiness Level (TRL)**: 9