HiSPiCO is a transmitter system for S band communication links from small satellites in LEO environment. It’s a cost effective, miniaturized, low power solution for Cubesats with TRL9 achieved. The wideband downlink system provides up to 1 Mbps at frequencies 2.1 - 2.5 GHz. Optional patch antennas are available.

**Key Specifications**

- **S Band TX Operation:** 2.100-2.500 GHz
- **Operational Mode:** DQPSK
- **Payload Data Rate:** Up to 1.6 Mbps
- **Linear RF Output Power:** +27 dBm (opt. +30 dBm)
- **Low Power Consumption:** Up to 5W @ 27 dBm
- **DC Supply Voltage:** 3.3-5.0 V
- **Ultra Small Volume:** Fits into 1U
- **Low Mass:** 100 grams
- **Technology Readiness Level (TRL):** 9