**Summary of Transceiver Boards for Cubesat Application**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Company | Tx Freq  (MHz) | Modulation Scheme | Transmit Bit Rate (kbps) | Mass (g) | Transmit Power Consumption (W) | Website |
| NanoAvionics | 2200-2290 | GMSK | 100-500 | 191 | 6.0 | https://n-avionics.com/subsystems/s-band-transceiver/ |
| Satlab | 2200-2290 | GMSK | 128-512 | 190 | 5.0 | https://www.satlab.com/products/srs-3/ |
| IQ Wireless | 2025-2300 |  | 600-4000 | 420 | 8-12 | http://www.iq-wireless.com/images/pdf/SLINK-Datasheet.pdf |
| Cubesat Shop | 2300-2300 | DQPSK | 1060 | 75 | 4.9 | https://www.cubesatshop.com/product/highly-integrated-s-band-transmitter-for-pico-and-nano-satellite/ |
| ISIS | 2200-2290 | OQPSK | 3400 | <300g | 9.2 | https://www.isispace.nl/product/isis-txs-s-band-transmitter/ |
| EuroSat | 2200-2290 | NA | 20000 | NA | <9 | https://www.endurosat.com/products/cubesat-s-band-transmitter/ |