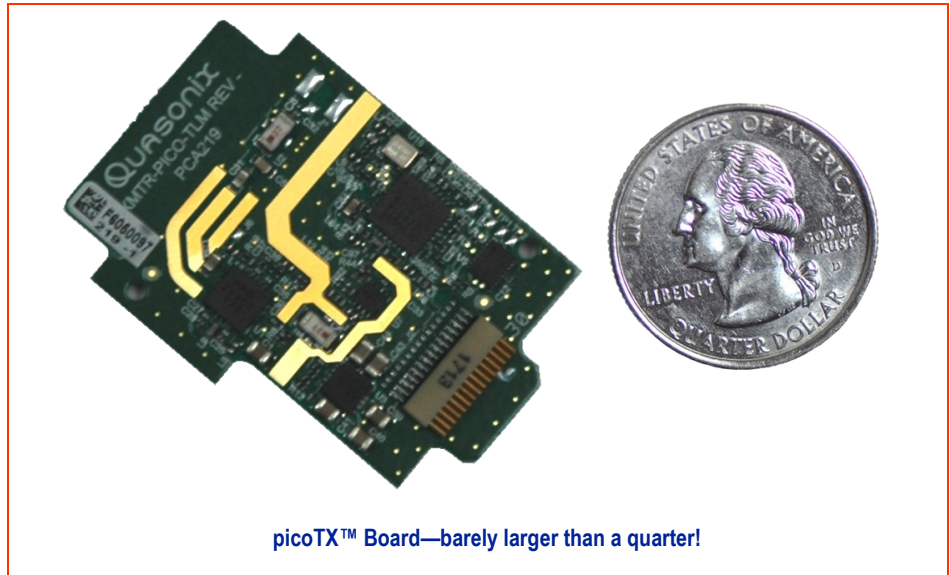


S-BAND picoTX™



Quasonix introduces the world's smallest 1 Watt transmitter. If your flight test requires minimal weight and power consumption with maximum transmitter performance, the picoTX™ is your solution.

- **Extremely Flexible, Small Transmitter**

Mounts easily in every telemetry system with no heat-sinking required—the frequency-agile picoTX™ measures only one inch by one and a half inches; Good things come in small packages!

Weights in at a mere 0.20 oz.

- **Built-in Microcontroller**

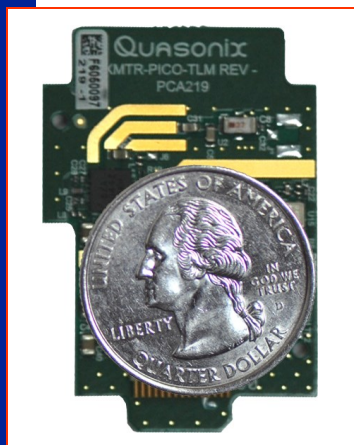
Supports automatic tuning to the programmed frequency—no external controller needed

- **Low Power Consumption Equals Longer Flights**

*Operates at 5 V
10 mW to 1 W*

- **PCM/FM (ARTM Tier 0)**

- **Designed for High Shock Environments**



picoTX™ Board with Quarter

S-BAND picoTX™ SPECIFICATIONS

Main Section

Modulation type	PCM/FM (ARTM Tier 0)
Carrier frequency tuning range	S band: 2200.5 - 2394.5 MHz
RF output power	10 mW to 1 W
Carrier frequency accuracy	± 2.5 ppm over temperature ± 7.5 ppm, all causes, including aging over 5 years
Data (bit) rate*	Fixed bit rate up to 10 Mbps
Pre-mod filtering bandwidth	0.7 x bit rate
Input voltage	5.0 VDC
Input current	900 mA @ 5.0 V for 1 Watt output power
Signal interfaces	TTL Modulation Input

Environmental Section

Operating temperature	-40°C to +85°C
Non-operating temperature	-40°C to +85°C (all models)
Operating humidity	0 to 95% (non-condensing)
Altitude	Up to 100,000 ft.

Physical Section

Dimensions (inches)	1.050" (W) x 1.550" (L) x 0.183" (H)
Weight	0.20 oz

* When ordering, specify the desired frequency and bit rate.

With razor-sharp focus on the aeronautical telemetry market and a team rich in talent, experience, and sheer determination, Quasonix is able to consistently design, develop and manufacture *what our customers regard as* market-leading telemetry products.

Quasonix is...*Reinventing Telemetry*™



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