

# TELEMETRY TRANSMITTERS

## Type TUALTX



### KEY SPECIFICATIONS

- Up to 14 Mbps Data Rate
- Low Power Consumption
- Ultra Compact Size
- Low Weight
- Various Output Power Options
- IRIG 106 Compatible
- MIL-STD-810G Compatible

TUALTX series aeronautical transmitters are ultra-small flight test telemetry modules suitable for missiles, rockets and mini UAVs. Various RF output options are available for different range requirements.

IRIG-106 compatible SDR based units are capable of offering data encryption, FEC and randomizer optionally. PCM/FM and PSK type modulation waveforms are available. Data rate is configurable up to 14 Mbps with 1 kbps steps. Flexible architectures let systems be modified easily for higher data rates, different form factors and electrical characteristics for specific applications.



### TECHNICAL SPECIFICATIONS

Frequency Range:	2.2 GHz-2.4 GHz		
Data Rate:	Up to 14 Mbps		
Modulation Type:	PCM /FM, QPSK, UQPSK, SOQPSK, OQPSK, BPSK		
RF Output Power:	1W, 2W	//	5W, 10W
Dimension:	D:59mm H:17mm	//	D:62mm H:28mm // L:82mm W:55mm H:20mm
Weight:	57 g	//	163 g // 152 g
Data Encryption:	AES 256		
Data Interface:	RS422/485, TTL		
FEC (O):	Reed Solomon (RS), Convolutional, LDPC		
Nominal Power Consumption:	1W: 350mA @ 28V 2W: 450mA @ 28V 5W:1.05A @ 28V 10W: 1.4A @ 28V		