

Airborne Multi-Band Multimode Transmitter, High Efficiency



Applications

- Flight test instrumentation
- RPV communications
- Space craft instrumentation
- Launch vehicle telemetry

Options:

- TTL or RS-422 data & clock interfaces
- Parallel, RS-232, 422, or multi-drop 485 for programming
- Custom operating frequencies

Features

- Multi-band L, S, & C-Bands
- Dual channel, 10 Watts per channel
- Programmable power levels
- Supports: PCM/FM, SOQPSK, & Multi-H CPM per Appendix A
- LDPC per IRIG-106 per Appendix R
- STC per IRIG-106 per Appendix S
- Selectable IRIG or CCSDS randomizer
- Serial programming interface per Appendix N
- Frequency Selectable via RS-232 COM port and Parallel BCD
- Provides IRIG 2¹⁵⁻¹ and CVSDS compatible randomizers
- Data rates
 - PCM/FM from 80 kbps to 30 Mbps
 - Others Formats from 650 kbps to 60 Mbps
- Bit rate agile
- High efficiency multi-power amplifier design
- Embedded isolators and GPS filtering
- 2.5" x 3.5" x 2.5"
- Environmentally rugged

Description

TTC's TTS-9800-2 series multiband, multimode transmitter provides the user with state-of-the-art modulation, forward error correction, and space time processing compatibility to IRIG-106-15, with user programmability options for serial and parallel interfaces with a high efficiency power amplifier chain. The TTS-9800-2 series provides the highest RF power efficiency offered in the industry today while being backed by outstanding customer support.

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TTS-9800-2 Series Datasheet

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Management System
 AS9100C
 ISO 9001:2008