

WE DESIGN, DEVELOP, AND MANUFACTURE COMMUNICATION SYSTEMS FOR SATELLITES

	S-BAND TRANSMITTER
	ALL NEW! ALL NEW! + S-BAND TRANSMITTER + WITH DVB-S2 ENCODING + SPACEWIRE INTERFACE
Just Launched!	TECHNICAL SPECIFICATIONS
Available with DVB-S2	DIMENSIONS 96 x 90 mm

throughput is over 12 Mbps.

6 e UNIT TOTAL MASS Ŀ BOARD TEMPERATURE -20 to 60 °C <u>ک</u>ر INPUT VOLTAGE 6 POWER CONSUMPTION < 12 W

CUBECOM.SPACE

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PROCESSING

- LOW POWER FLASH BASED FPGA
- AVAILABLE IN DVB-S2 ENCODING
- BCH ENCODING FOR BURST ERROR CORRECTION
- LDPC ENCODING

DELIVERABLES

- FLIGHT BOARD
- USER MANUAL + STEP MODEL
- ACCEPTANCE TEST REPORT

RF SPECIFICATIONS

FREQUENCY RANGE	2.2 - 2.3 GHz
MAXIMUM RF POWER	2 Watt (33 dBm)
CHANNEL SPACING	100 kHz
SPURIOUS RESPONSE	< -60 dBc (TBC)
TX SNR	> 20 dB
EVM	< 7%
SYMBOL RATE	4 Msps

INTERFACES

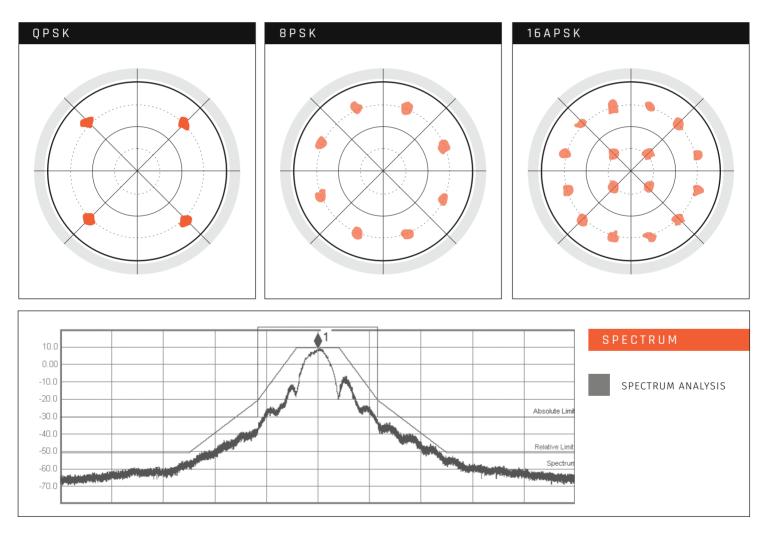
1. LOW SPEED I²C BUS OR CAN 2.0 (TELEMETRY AND CONTROL)

2. SPACEWIRE, GENERIC LVDS, QSPI (HIGH SPEED DATA INTERFACE)

3. 50 Ω SMP RF CONNECTOR

MODULATION

• CONFORMS TO SFCG 21 2R4 EMISSIONS



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