



Paradigma Technologies

Germany · paradigma-tech.com

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as of 20 August 2026

A large, faint, stylized graphic of an eye or a camera lens, composed of concentric arcs and a central circle, positioned on the right side of the page.

Paradigma Technologies

Paradigma Technologies is a New Space company based in Sežana, Slovenia. The company specializes in telecommunication systems for small satellites, cubesats, and SOTM applications, operating in Ka Band and beyond. They develop and produce state-of-the-art mmWave telecommunication systems. Their engineering expertise is derived from work in the Mobile and SATCOM markets. Paradigma Technologies has been selected for the CASSINI Business Accelerator and has an R&D project approved under the Recovery and Resilience Plan of the Slovenian Government, funded by the European Union and its #NextGenerationEU programme.

This profile is generated from the live NewSpace Market catalogue. Specifications are as published by the manufacturer; every product links to a page where a request for quotation reaches the company directly.

SERVICES

Services

CAD & CAM Design

The company provides end-to-end design services for PCBs, chassis, frames, connectors, and JIGs using CAD and CAM.

Feasibility Studies and Technology Research

Paradigma Technologies offers research services including feasibility studies, preliminary analysis of new technologies, concept development, and prototype creation.

Hardware Design

The company offers end-to-end design of analog and digital systems, adhering to ISO, MIL, and ECSS standards.

Product Industrialization

Paradigma Technologies assists with industrialization, covering product definition, investment planning, technology selection, supplier management, project planning, production, and testing.

System Integration

Paradigma Technologies provides system integration services, including module build-up and the creation of electrical and mechanical adapters for enhanced connectivity.

Product catalogue



PARADIGMA TECHNOLOGIES

K Band Transmitter

Compact K Band (17.8–20.2 GHz) transmitter for CubeSat and SmallSat missions with integrated modulator and BUC/beacon modes.

RF Output Frequency	17.8 – 20.2 GHz
RF Input Frequency (BUC mode)	900 – 3500 MHz
Signal bandwidth	Up to 250 MHz
RF Output Power	Digitally selectable up to 2 W
Modulations	ASK, PSK up to 2 Mbps; OQPSK, MSK, FSK, GFSK, 4-FSK up to 350 kbps
MER	> 35 dB
Spurious & harmonics	< -60 dBc

price on request



PARADIGMA TECHNOLOGIES

Ka Band Receiver with UHF Transceiver

Compact dual-mode Ka Band receiver (26.5–30 GHz) with integrated UHF transceiver (900–930 MHz) for CubeSat/SmallSat missions and mmWave 5G.

Ka Band RF input	26.5 – 30 GHz
IF output	3.4 – 5.8 GHz
Ka Band Noise Figure	≤ 2.5 dB
Ka Band Gain	Up to 110 dB
UHF band	900 – 930 MHz
UHF output power	1 W
UHF sensitivity	-120 dBm @ 125 kbps PSK

price on request



PARADIGMA TECHNOLOGIES

Ka Band Transponder

Redundant 2U Ka Band transponder system for CubeSats with dual transponders, high-gain corrugated horn antenna, and 30 krad radiation tolerance. Space heritage Q2 2024.

RF Output Frequency	17.3 – 21.2 GHz
RF Input Frequency	27.0 – 31.0 GHz
Antenna Gain	23 dBi dual-band corrugated horn, LHCP/RHCP selectable in orbit
RF Output Power	Digitally selectable up to 2 W
Noise Figure	< 3 dB
Signal bandwidth	Configurable 10 – 250 MHz
MER	> 35 dB

price on request



PARADIGMA TECHNOLOGIES

Q Band Transmitter

Miniaturized 1.5U Q Band (37.5–42.5 GHz) transmitter for CubeSats with 28 dBi lens horn antenna and 30 krad radiation tolerance. Space heritage Q2 2023.

RF Output Frequency	37.5 – 42.5 GHz
IF Input	2185 MHz
Antenna Gain	28 dBi dual-polarized lens horn, LHCP/RHCP selectable
EIRP	48 dBm
Signal bandwidth	Up to 250 MHz
Modulations	ASK/OOK up to 2 Mbps; n-FSK up to 1 Mbps
MER	> 35 dB

price on request

Contact Paradigma Technologies

Open the company profile on NewSpace Market to see full specifications and datasheets, and to send a request for quotation that reaches the manufacturer directly.

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