

Satellites  
Transversal competencies



ANYWAVES, a CNES (French Space Agency) spin-off, develops revolutionary antennas for satellites constellations and the New Space market.

Based on breakthrough technology and an expert team mainly composed of PhD on advanced antenna technologies, ANYWAVES designs and manufactures – on demand or off-the-shelf - a new generation of miniature, high-performance and high-quality antennas for space applications such as telecommunications, navigation, Earth observation, atmospheric input and many others.

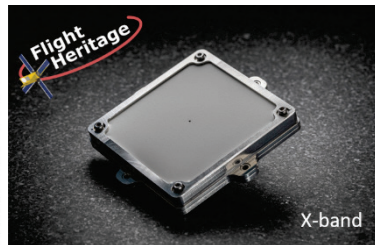
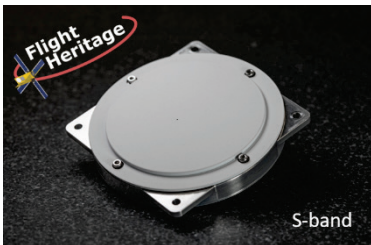
ANYWAVES also offers its expertise in electromagnetism to support its customers regarding antennas analysis, measurement and optimization; whether the antenna be alone or on carrier.

**COMPETENCIES & CAPABILITIES**

Expert in electromagnetism, with a focus on antennas, ANYWAVES maximizes the performances of all wireless systems and designs high-performance antennas with powerful computation resources and professional electromagnetic software.

ANYWAVES proposes generic antennas (S-band TT&C, X-band Payload Telemetry, All-band GNSS, cap tests...) as well as payload ones (deployable helixes, antenna arrays...) and has high production capability.

ANYWAVES also performs tests campaign with radiation pattern measurements of antennas.



# ANYWAVES

## PRODUCTS & SERVICES

ANYWAVES' off-the-shelf antennas:

- S-band antenna for TM/TC operating in Tx & Rx
- X-band antenna for the payload TM
- GNSS all-bands antenna (GPS, Galileo, Glonass, Beidou, Inmarsat in L-band)

Antenna measurement services (alone or on platform):

- S-parameters
- Radiation pattern

Simulation services:

- Analysis and optimization of the antennas placement on platforms.
- Radiated Electromagnetic Compatibility analysis

Other:

- Custom antenna design.

## MAJOR SPACE PROJECTS & REFERENCES

- S-Band and X-Band antennas have flight heritage from EYESAT (CNES Janus Project) and ANGELS (by HEMERIA)
- ANYWAVES has the CNES Advance label and benefits from CNES know-how on space technologies.
- ANYWAVES awards:
  - o I-lab 2019 for the development of its new antenna technology based on 3D printed ceramic materials
  - o FinSpace winner (Euroconsult award), Word Satellite Business Week 2019
  - o Startup of the year 2020, Occitanie Region
- Under EN9100 Quality certification

## POINT OF CONTACT

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**TURNOVER** 1 M€

**WORK FORCE** 18

**SPACE TURNOVER** -

**SPACE WORK FORCE** 18