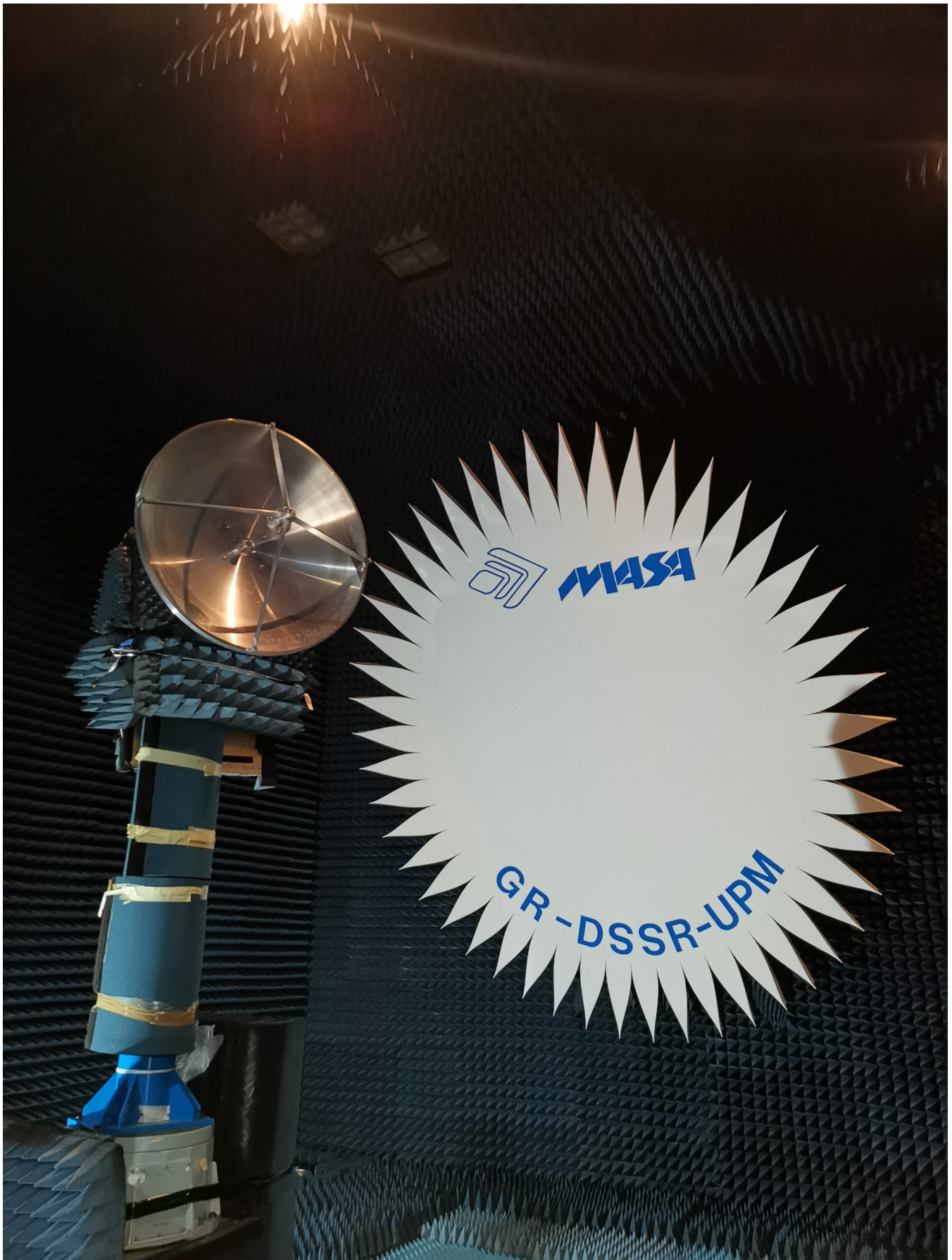
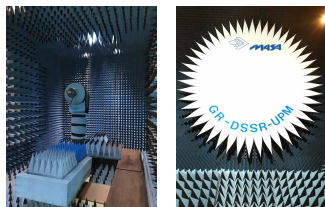


## LEHA-UPM (Antenna Testing Laboratory)

LEHA-UPM (Antenna Testing Laboratory) has been working on Antenna Measurements for industrial activities, research and educational purposes since 1980.





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## Technological Offers type

Technological scientific services

## Research and innovation areas

- Digital Technologies, Artificial Intelligence, Cybersecurity, 5G, Robotics
- Science For Engineering and Architecture
- Space and Earth Observation

## ODS



**Available from:** 2010

## Where?

Information and Telecommunications Processing R&I Centre Radiation Group

Keywords: | [5G communication](#) | [anechoic chamber](#) | [Antenna Measurements](#) | [Compact Range](#) | [Flat System](#) | [ISO17025](#) | [Radar Section Measurement](#) | [Satellite communication](#) | [Spherical System](#)

## LEHA-UPM (Antenna Testing Laboratory)

LEHA-UPM (Antenna Testing Laboratory) has been working on Antenna Measurements for industrial activities, research and educational purposes since 1980, and is part of the Radiation Group (RG) at the SSR Department at the UPM.

LEHA-UPM quality director is Professor Manuel Sierra Castañer and the technical director is Professor Belén Galocha Iragüen. LEHA-UPM's staff consists of the engineer, Pablo Caballero, the engineer, Xiaoliang Sun, and the technician, Cristian Martínez. A variable number of students doing their masters thesis also collaborate at ATAL.

LEHA-UPM is recognised with ISO 17025 accreditation for antenna measurement.

LEHA-UPM is included on the network: RLA in the Madri+d initiative (Community of Madrid).

**Description of the services offered**

Measurements of antenna from 660 MHz up to 110 GHz with ISO17025 accreditation up to 40 GHz.

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**Sector or area of application**

Defence and Security, 5G Communications, Satellite Communications.

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**Previous references for provision of services**

Satellite antenna measurement for CASA-EADS, SENER, TTI:

Hispasat Satellites, Astra Satellites, Hispasat Amazon, ASAR panels for Envisat, JUICE, BepiColombo, antennas for Intelsat, Eutelsat, Venus and Mars Express, etc.

- Mobile phone systems: Antenna and radome measurements for MOYANO, SIEMENS, Telefónica and Vodafone, etc.
  - RCS measurement of some materials for ship builders.
  - Ship antenna measurement and design.
  - Antenna measurement systems design and consultancy: Airbus, INDRA systems, Universities (Alcalá, Oviedo, Valencia, Seville, etc.), DGTEL, etc.
- 

**Request for service**

Request the service by sending an e-mail to [manuel.sierra@upm.es](mailto:manuel.sierra@upm.es) or a [belen@gr.ssr.upm.es](mailto:belen@gr.ssr.upm.es) .