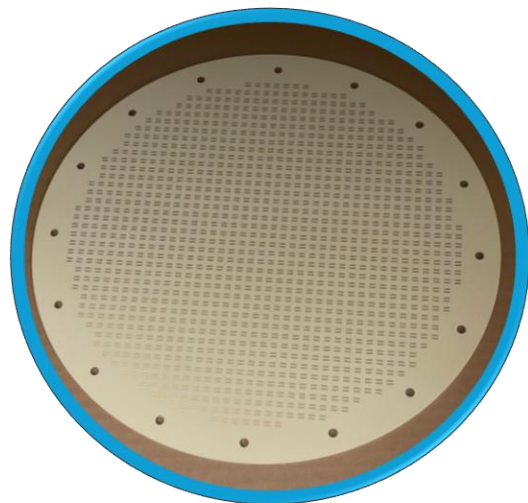




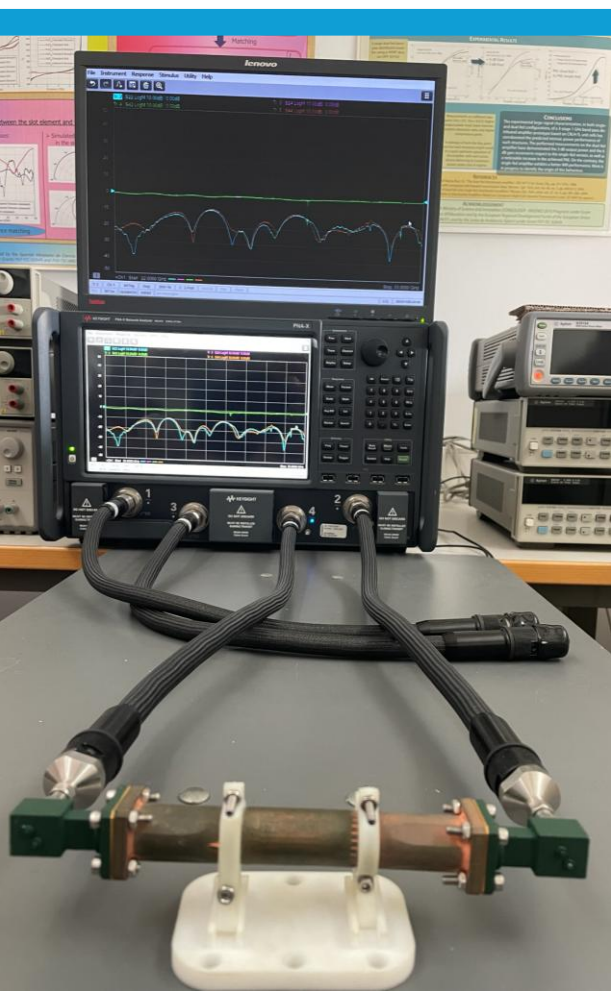
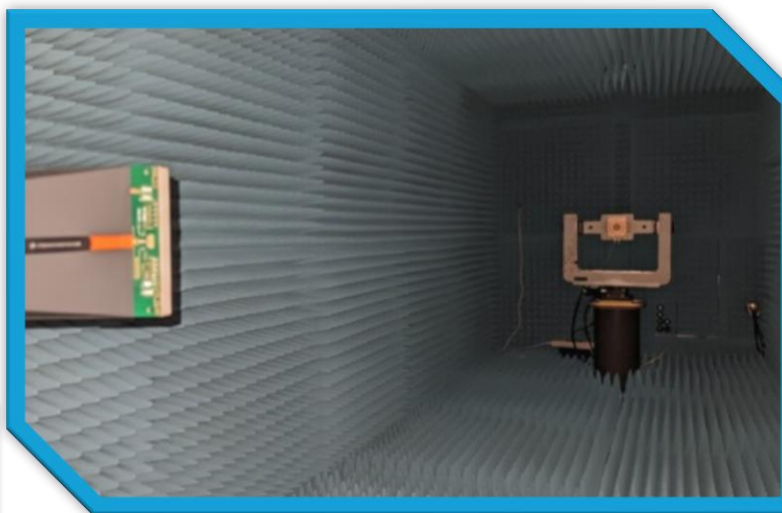
UNIVERSIDAD
DE MÁLAGA



mmiRF

Radiofrequency, Microwave and Millimetre-Wave Lab

Services Portfolio



Contact information



elenaabdo@uma.es



www.mmirf.uma.es



Radiofrequency, Microwave and
Millimetre-Wave Lab (mmiRF)

Facilities

Prototype and measurements

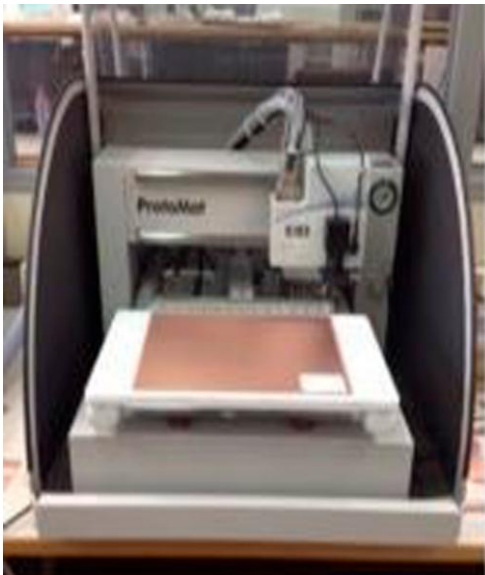
RF, Microwave and Millimetre Wave Lab (mmiRF) has infrastructure for the design, ensemble, manufacturing and characterisation of high-frequency circuits and systems



Prototyping of planar, hybrid circuits and 3D components

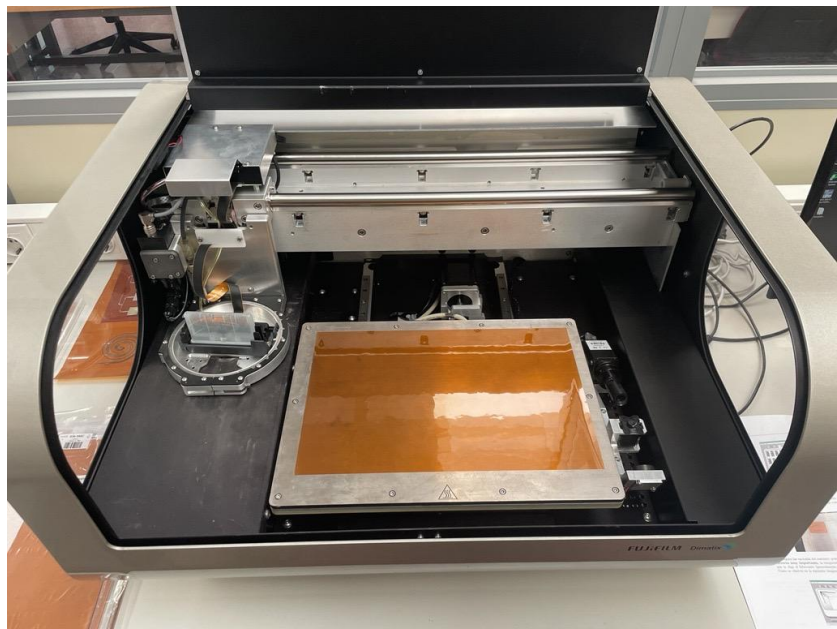


The mmiRF Lab has infrastructure for manufacturing prototypes at RF and microwave frequencies, and its technical staff is trained for its optimal use.



PCB prototyping system. Circuit boards can be fabricated with this mailing machine to 25 GHz is offered.

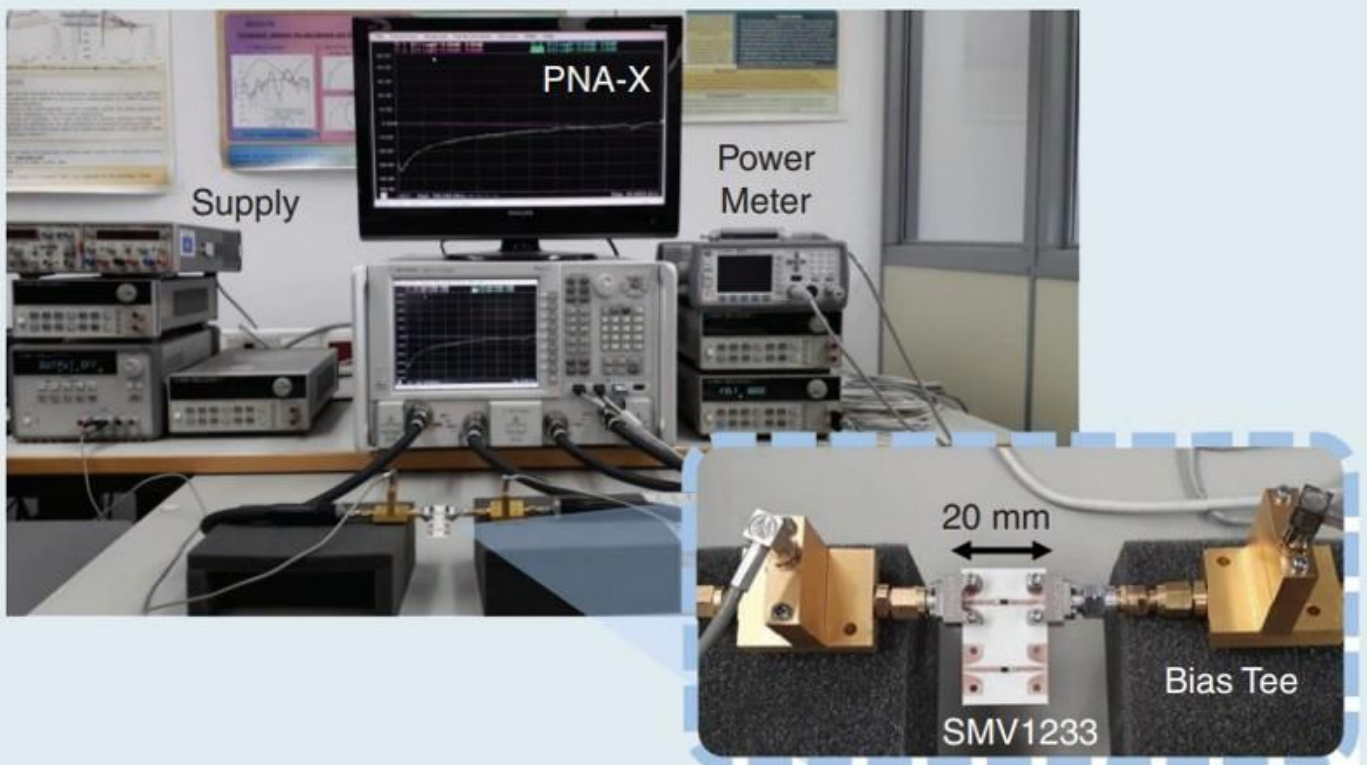
Injection printer FILM
Dimatix Materials Printer
DMP-2850 allows the use of
inks with different properties
and performances.



Devices, circuit measurement and characterization

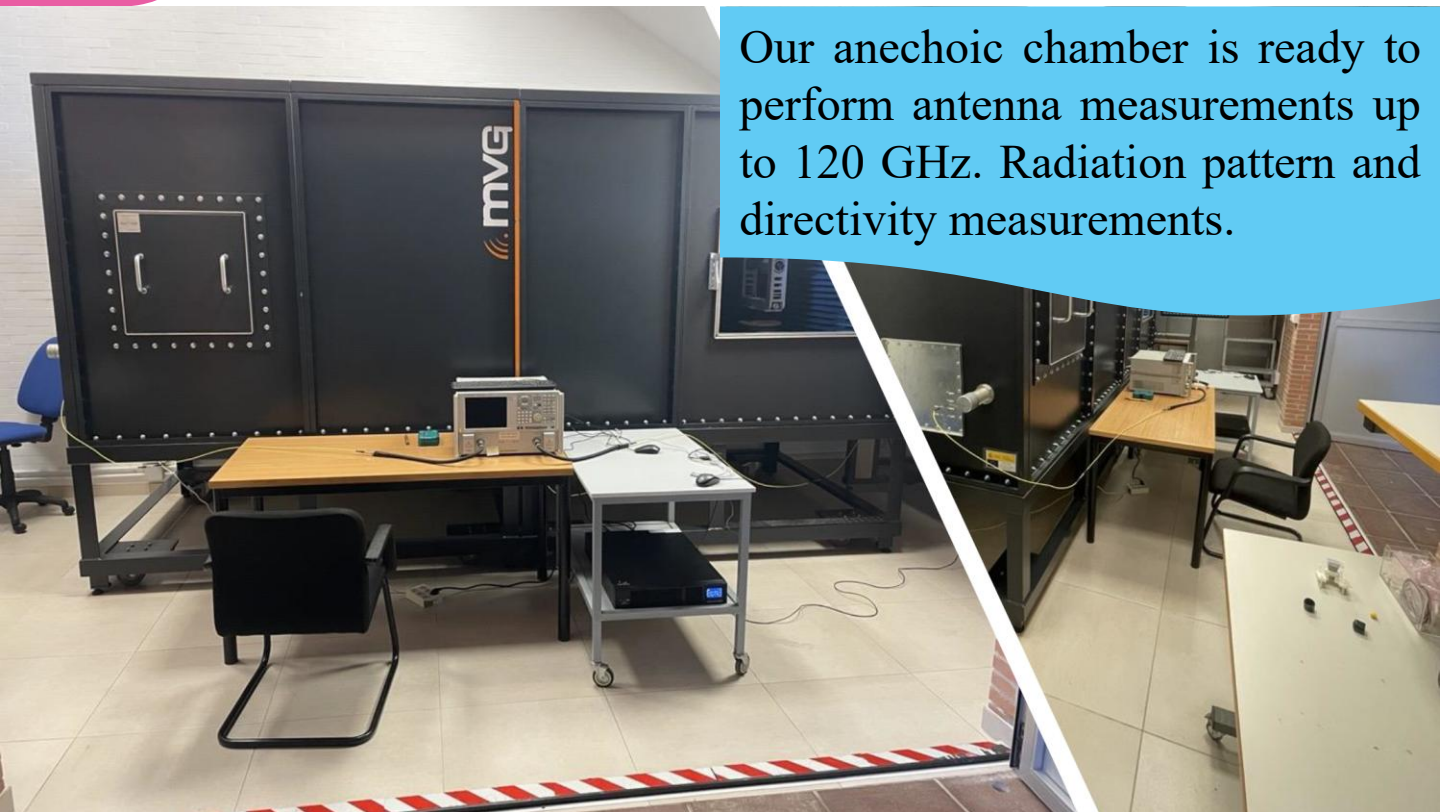


Measurement capabilities of mmiRF Lab reach up to 67 GHz and include, as its main instruments, a 4-port Nonlinear Vector Network Analyser (NVNA), a vector signal generator, a spectrum analyser and a high-performance oscilloscope. All the instruments include remote access interface.

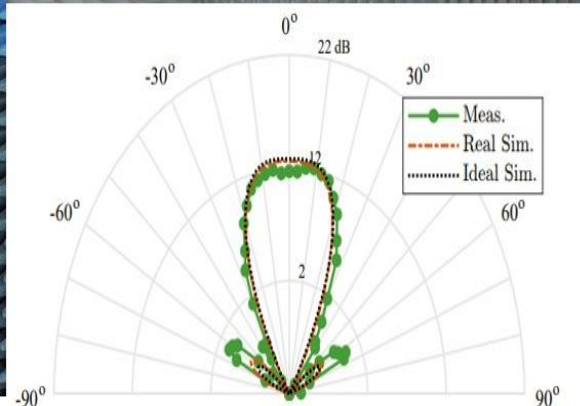
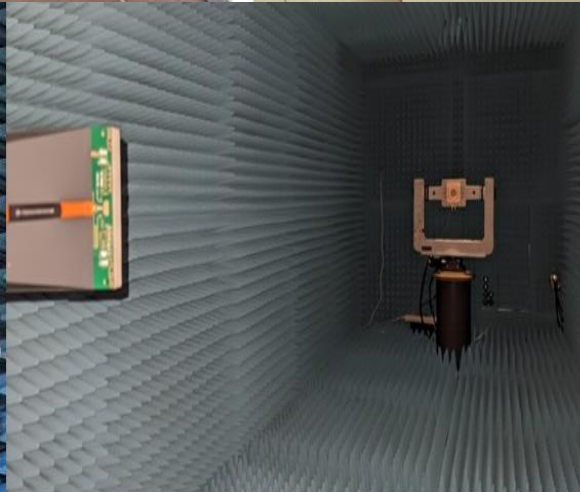


Anechoic Chamber

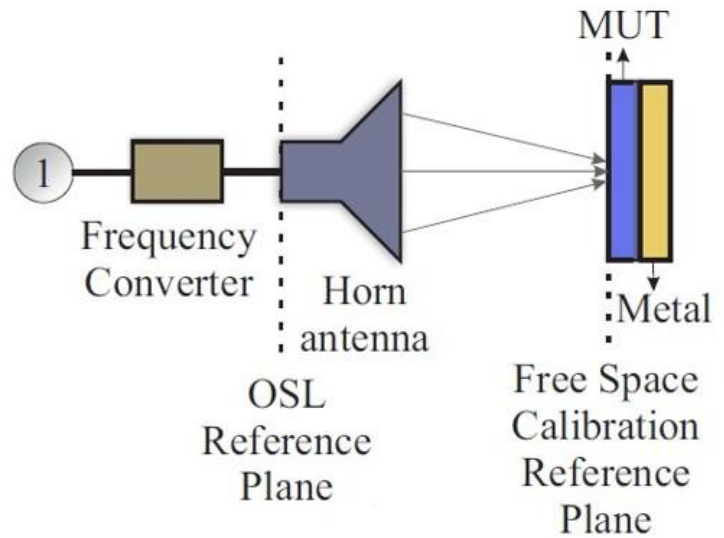
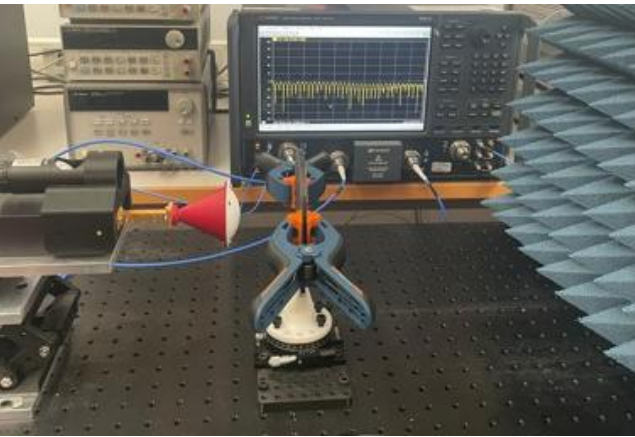
Our anechoic chamber is ready to perform antenna measurements up to 120 GHz. Radiation pattern and directivity measurements.



- Horn Antennas
- Metasurfaces
- Transmitarrays
- Reflectarrays
- Leaky-Wave Antennas
- Arrays printed planar structures
- Patch Antennas
- Others



Materials Characterization



Customised test solutions for electromagnetic characterization of materials like permittivity, permeability and/or conductivity. Our research laboratory has two materials characterization facilities.

