

ANTERAL



High Performance Antennas

Anteral, spin-off company of the Antenna research group of the Public University of Navarra, has been working on the design of most advanced high performance antennas and reflector antennas for several applications.

Specialized in

Design, manufacture and verification of high performance antennas for innovative applications and sectors such as space, telecommunications, radiotelescopes or scientific.

Our values

We try to be the best in what we do, offering our clients innovative solutions in a short period of time and with a personal treatment.

Our antennas

Anteral offers standard and custom designs for different types of antennas up to 500 GHz.

- Spline profile horns
- Corrugated horns
- Axial corrugated horns
- Radial corrugated horns
- Lens horn antennas
- Standard Gain Horns
- Near Field Probes
- Rectangular smooth walled horns
- Pyramidal and Sectorial horns
- Planar antennas

Custom designs allow to choose the variation of radiation pattern in the desired bands, so the client can choose, for a given beamwidth, characteristics like sidelobe level, return loss level or cross-polar level.

Our horn antenna designs can achieve the following characteristics:

- Bandwidth: Up to 50%
- Sidelobes level: < -45 dB
- Cross-polarization level: < -45 dB
- S11 level: < -40 dB

Anteral also offers custom designed reflector antennas working up to 500 GHz. These antennas can be used for scientific applications like radiometers or radiotelescopes, and also for civil applications like point to point high throughput communications links. Main features are:

- Gain: > 45dB
- Configuration: Parabolic, Offset or Cassegrain

More info:

www.antal.com



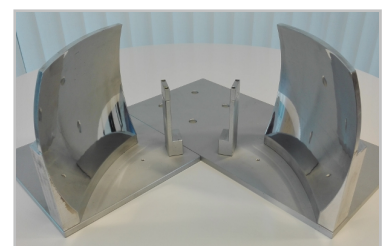
Near Fiel Probes for ESA-ESTEC



Standard Gain Horns



Ku-band corrugated horn



330GHz Reflector Antennas (50dBi)

Our clients

Some of our clients are:



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Management System
ISO 9001:2008

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