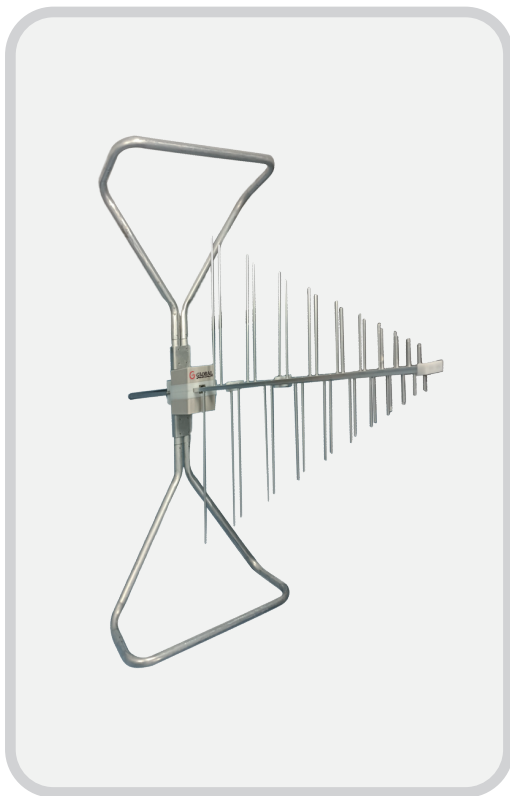


# Broadband EMC Test Antennas 30MHz–6GHz



1313-3 Series antennas are compact, high-performance instruments designed for EMC emissions and immunity testing. The broadband characteristics of these antennas enable them to operate over a wide frequency range - a must for automated test environments. Innovative design and manufacturing techniques result in long-lasting strength and mechanical integrity. The result is an electrically stable measuring instrument that maintains calibration over extended use.

The antenna boom is made from a custom aluminum extrusion that reduces the number of parts at the nose. The result is a stronger, more stable feedpoint and excellent cross-polarization properties. The unique shape allows for a larger feed cable to be used, which significantly increases the maximum power rating. Dipole elements are permanently attached to the boom by an assembly technique that maintains excellent electrical characteristics for the life of the antenna.

The low-frequency wings are swept forward and turned in at the ends to reduce ground plane coupling while maintaining performance. Each wing is attached with dual compression fittings for true alignment.

## Specifications

All specifications are subject to change without notice.  
All values are typical, unless specified.

Frequency Range	See Below	Length	51 in. (130 cm)
Impedance	50 Ohms Nominal	Wing Span	44 in. (112 cm)
VSWR	<2:1 Above 200 MHz	Width	19 in. (48 cm)
Connector	Type N Female	Weight	10 lbs. (5 kg)
Polarization	Linear	Mounting Tube	22 mm Stainless Steel
Imbalance	Less Than 1 dB	Wing Mount	Dual Compression
Max. Power	See Curve		

## Includes Individual Calibration

All specifications are subject to change without notice.  
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Model	Frequency
1313-3-30M1G	30-1000MHz
1313-3-30M6G	30-6000MHz

Options	Applications
> 1313-3-M Mount	> Radiated Emissions
> Tripod Mount	> Radiated Immunity
> Carrying Case	> Pre-scan / Full-compliance

# Broadband EMC Test Antennas 30MHz–6GHz

## Mounting

All 1313-3 antennas have a 22 mm stainless steel rear mounting tube. This configuration enables polarization changes without vertical displacement of the antenna, and minimizes the effect of the RF cable by keeping it well behind the antenna elements.

- > QUICK
- > SECURE
- > NO UNWANTED ROTATION

The 1313-3-M mount provides a secure interface to most antenna positioning towers. It locks the antenna in place, prevents unwanted rotation and facilitates rapid antenna changes.



1313-3-M MOUNT

