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## Test & Measurement

- > sales
- > rentals
- > calibration
- > repair
- > disposal

## Complimentary Reference Material

This PDF has been made available as a complimentary service for you to assist in evaluating this model for your testing requirements.

TMG offers a wide range of test equipment solutions, from renting short to long term, buying refurbished and purchasing new. Financing options, such as Financial Rental, and Leasing are also available on application.

TMG will assist if you are unsure whether this model will suit your requirements.

Call TMG if you need to organise repair and/or calibrate your unit.

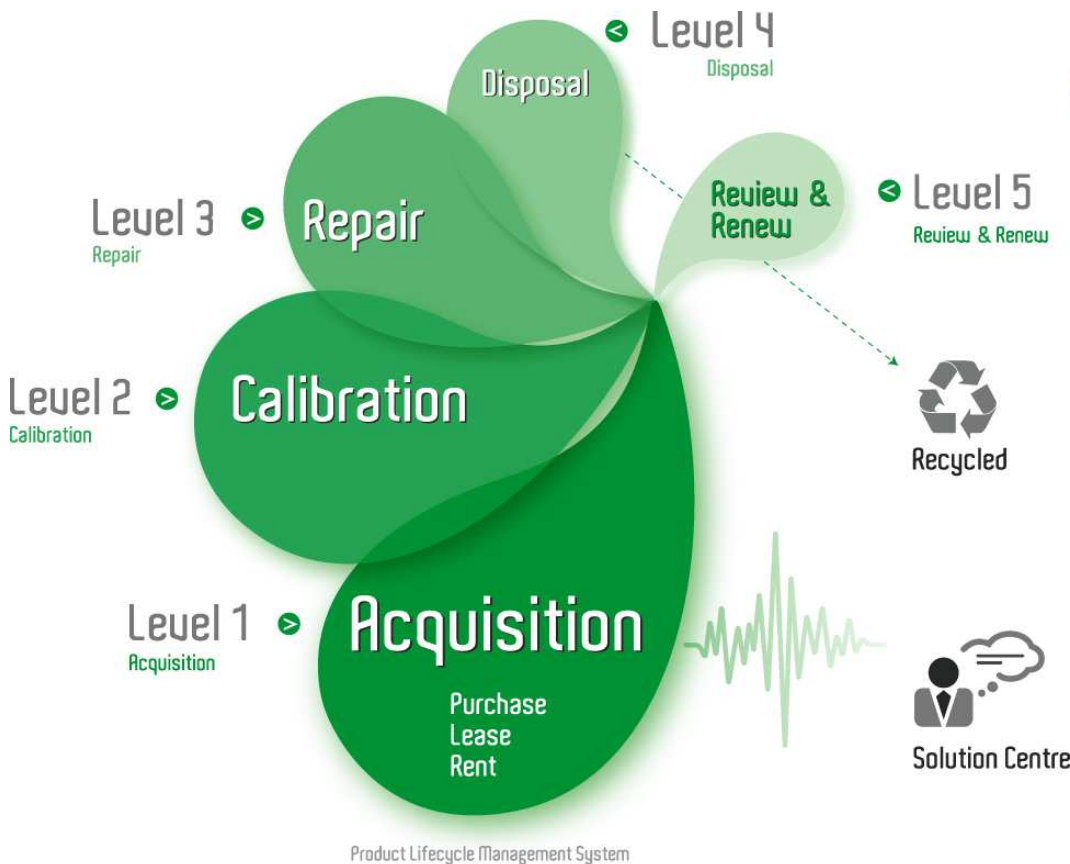
If you click on the "Click-to-Call" logo below, you can call us for FREE!

TMG Corporate Website

TMG Products Website



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Product Lifecycle Management System

### Disclaimer:

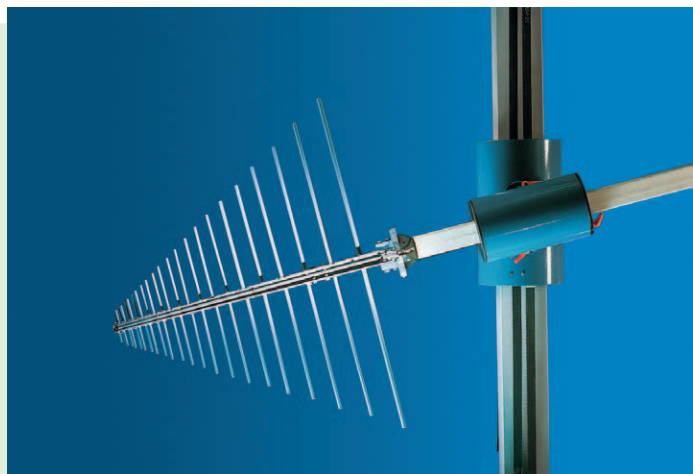
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# VHF/UHF Antennas

## Log-Periodic Antenna

### R&S® HL 223



200 MHz to 1300 MHz

Optimized for radiomonitoring and measurements

#### Features

- ◆ Excellent broadband characteristics
- ◆ Radiation patterns virtually independent of frequency
- ◆ Only one antenna required to cover a wide frequency range
- ◆ Selectable polarization plane
- ◆ Sturdy construction
- ◆ Suitable for mobile use
- ◆ Individual calibration to ANSI C63.5/DIN 45003 and ARP 958

#### Brief description

Owing to its broadband characteristics and the virtually frequency-independent radiation patterns, the R&S® HL 223 covers a very wide frequency range.

The sturdy construction makes the antenna suitable for stationary and mobile applications.

Each antenna is supplied with an individual calibration report so that measurements can be performed in addition to monitoring and transmitting applications.



## Specifications

Frequency range	200 MHz to 1.3 GHz
Polarization	linear
Input impedance	50 $\Omega$
VSWR	$\leq 2$ (typ. 1.6)
Max. input power	1500 W CW to 600 W CW
Gain	$> 6$ dBi
Connector	N female

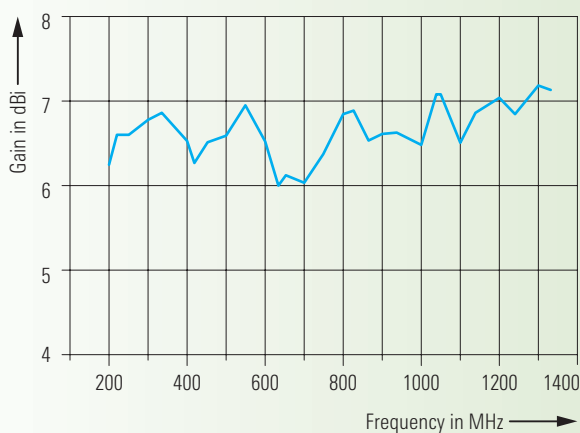
MTBF	$> 200\,000$ h
Operating temperature range	$-40^\circ\text{C}$ to $+50^\circ\text{C}$
Max. wind speed	200 km/h (without ice deposit)
Dimensions (L x W)	approx. 710 mm x 765 mm
Weight	approx. 2 kg

## Ordering information

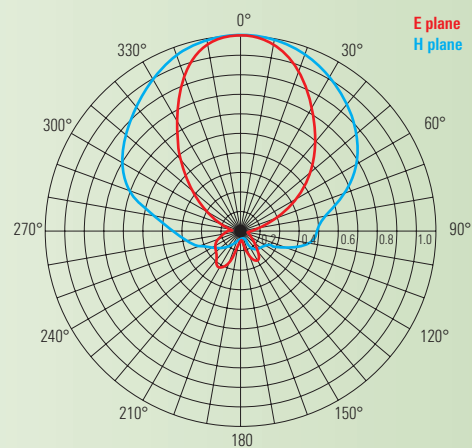
**Log-Periodic Antenna** R&S®HL223 4001.5501.02

### Recommended extras

Wooden Tripod	R&S®HZ-1	0837.2310.02
Tripod	R&S®HFU-Z	0100.1114.02
Mast, 1 m to 5 m, adjustable	R&S®HFU-Z	0100.1120.02



**Typical gain**



**Typical directional radiation pattern at 750 MHz**