

# R&S®HL223 LOG-PERIODIC ANTENNA

200 MHz to 1.3 GHz

Optimized for radiomonitoring and measurements



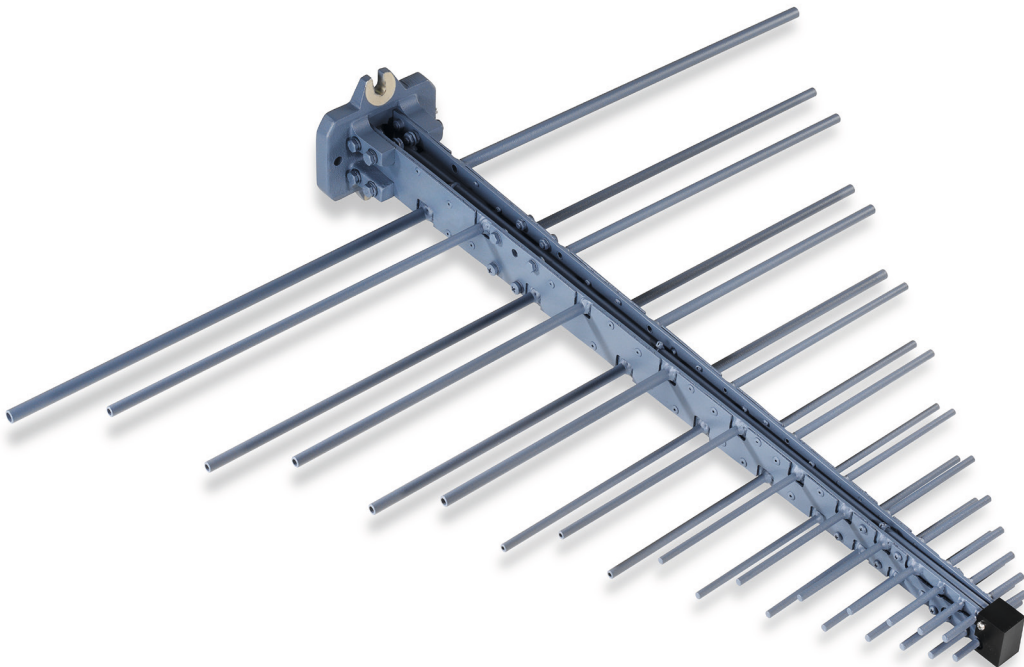
With its broadband characteristics and virtually frequency-independent radiation patterns, the R&S®HL223 log-periodic antenna covers a very wide frequency range.

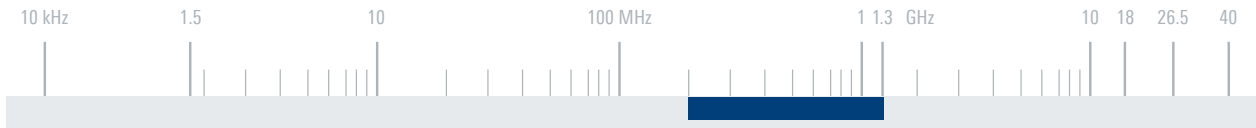
The sturdy construction makes the antenna suitable for stationary and mobile applications.

Each antenna is supplied with an individual calibration certificate so that it can be used for measurements and for monitoring and transmitting applications.

## Key facts

- ▶ Excellent broadband characteristics
- ▶ Virtually frequency-independent radiation pattern
- ▶ Only one antenna required to cover a wide frequency range
- ▶ Sturdy construction
- ▶ Suitable for mobile use
- ▶ Adapter for R&S®HZ-1 wooden tripod supplied with antenna
- ▶ Individual calibrations in line with ANSI C63.5, CISPR 16-1-6 and SAE ARP958
- ▶ Accredited calibration available on request





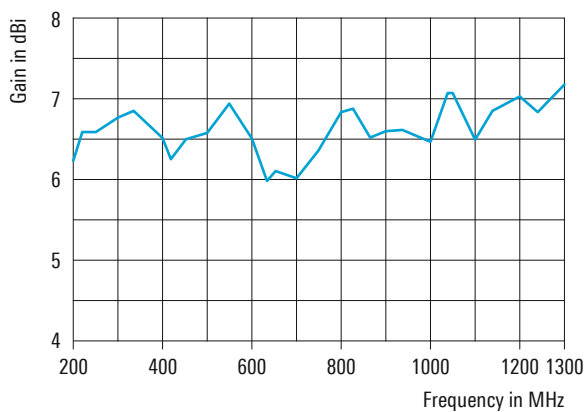
## Specifications

Frequency range	200 MHz to 1.3 GHz	
Polarization	linear	
Input impedance	50 Ω	
VSWR	typ. < 2	
Max. input power (at +20°C)	1500 W to 600 W CW	
Gain	typ. ≥ 6 dBi	
Connector	N female	
MTBF	100 000 h	
Operating temperature range	−40°C to +50°C	
Max. wind speed	without ice deposit	200 km/h
Dimensions	W × H × L	approx. 765 mm × 120 mm × 710 mm (30 in × 5 in × 28 in)
Weight	approx. 2 kg (4 lb)	

## Ordering information

Ordering information	Type	Order No.
Log-periodic antenna	R&S®HL223	4001.5501.02
<b>Recommended extra</b>		
Wooden tripod	R&S®HZ-1	0837.2310.02

## Typical gain



## Typical directional radiation patterns at 750 MHz

