

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.

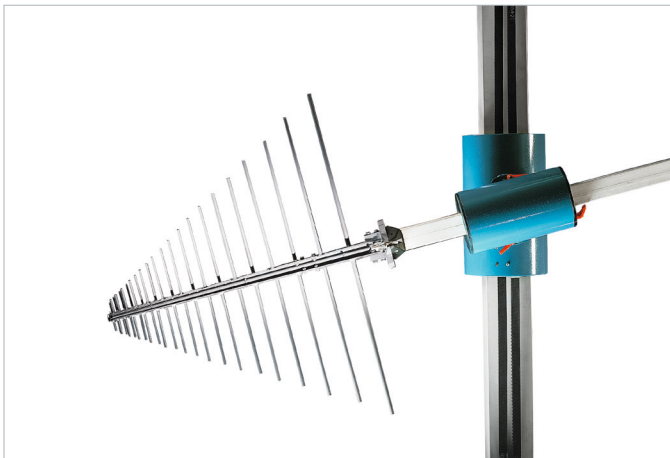
The sturdy construction makes the antenna suitable for stationary and mobile applications.

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

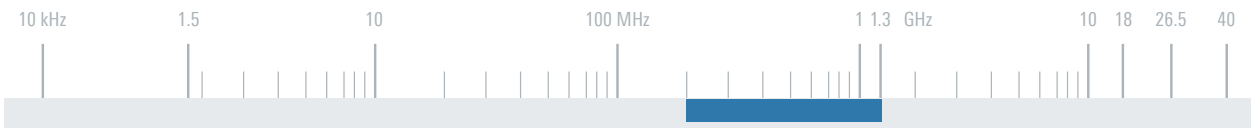
An accredited calibration of the free-space antenna factors is optionally available.

Key facts

- Excellent broadband characteristics
- Virtually frequency-independent radiation pattern
- Only one antenna required to cover a wide frequency range
- Selectable polarization plane
- Sturdy construction
- Suitable for mobile use
- Individual calibration in line with CISPR 16-1-6 and SAE ARP958
- Adapter for R&S®HZ-1 wooden tripod supplied with antenna



Adapter and mast not included.



Specifications	
Frequency range	200 MHz to 1.3 GHz
Polarization	linear
Input impedance	50 Ω
VSWR	≤ 2; typ. 1.6
Max. input power (at +20°C)	1500 W to 600 W CW
Gain	> 6 dBi
Connector	N female

MTBF	1 000 000 h
Operating temperature range	−40°C to +50°C
Max. wind speed	200 km/h (without ice deposit)
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	Type	Order No.
Log-Periodic Antenna	R&S®HL223	4001.5501.02
Accredited Antenna Calibration (free-space antenna factors)	R&S®HL223-DKD	4060.6369.02
Recommended extras		
Wooden Tripod	R&S®HZ-1	0837.2310.02

