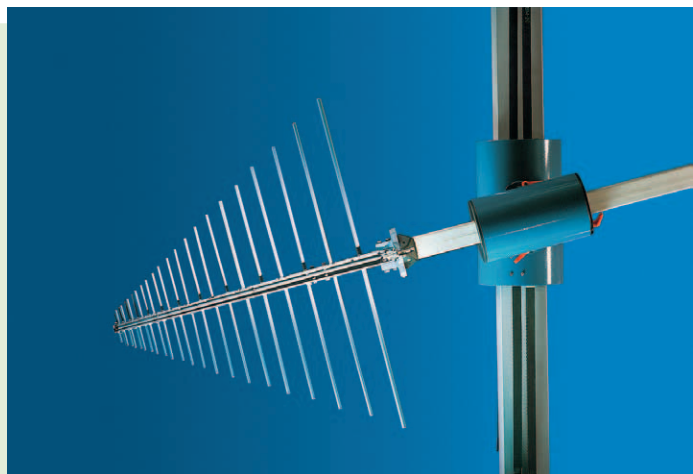


VHF/UHF Antennas

Log-Periodic Antenna

R&S® HL 223



200 MHz to 1300 MHz

Optimized for radiomonitoring and measurements

Features

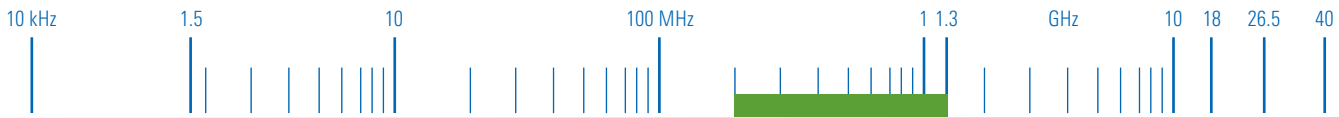
- ◆ Excellent broadband characteristics
- ◆ Radiation patterns virtually independent of frequency
- ◆ Only one antenna required to cover a wide frequency range
- ◆ Selectable polarization plane
- ◆ Sturdy construction
- ◆ Suitable for mobile use
- ◆ Individual calibration to ANSI C63.5/DIN 45003 and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

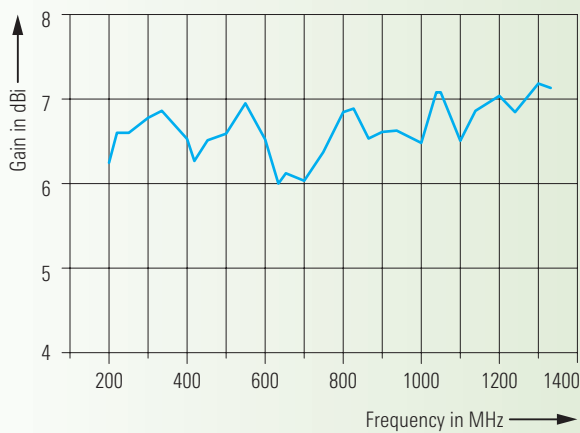


Specifications

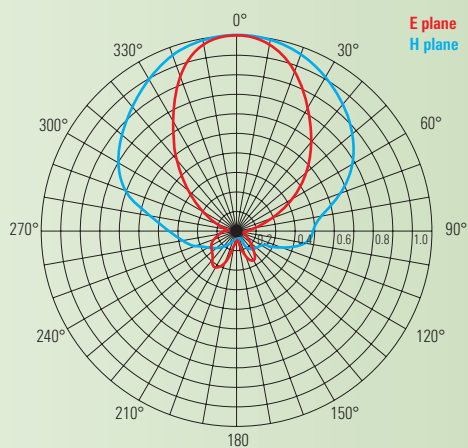
Frequency range	200 MHz to 1.3 GHz	MTBF	>200 000 h
Polarization	linear	Operating temperature range	-40°C to +50°C
Input impedance	50 Ω	Max. wind speed	200 km/h (without ice deposit)
VSWR	≤2 (typ. 1.6)	Dimensions (L × W)	approx. 710 mm × 765 mm
Max. input power	1500 W CW to 600 W CW	Weight	approx. 2 kg
Gain	>6 dBi		
Connector	N female		

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