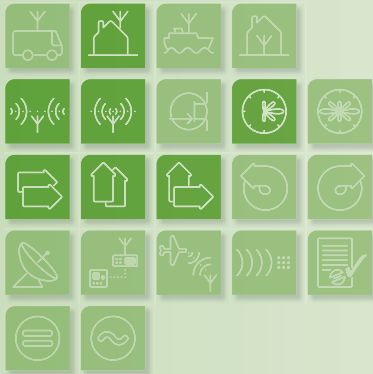


VHF/UHF Antennas

Crossed Log-Periodic Antenna

R&S® HL 007A2

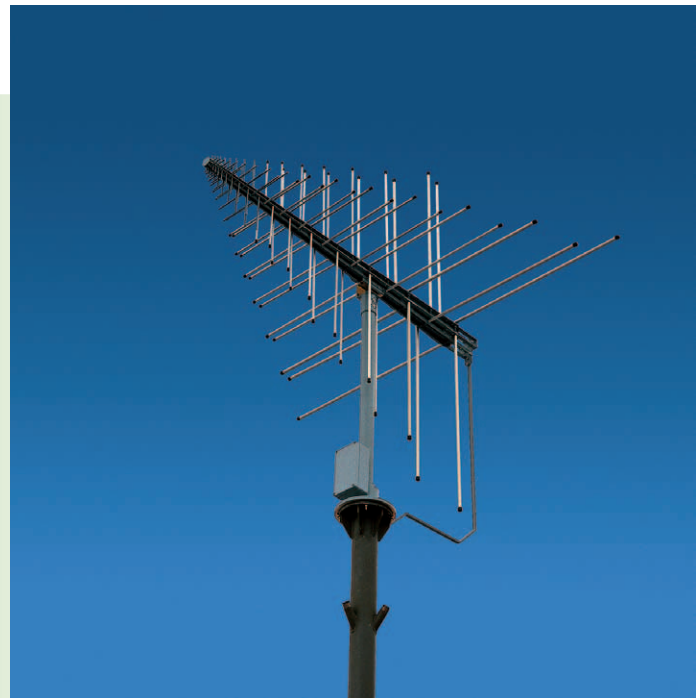


80 MHz to 1300 MHz

Monitoring and measurement of
RF signals

Features

- ◆ Wide frequency range
- ◆ Radiation pattern virtually independent of frequency
- ◆ Polarization horizontal, vertical and $\pm 45^\circ$ (selectable with option R&S® ZS 107)
- ◆ Remote-controlled polarization switching with R&S® GB 016 and R&S® ZS 107

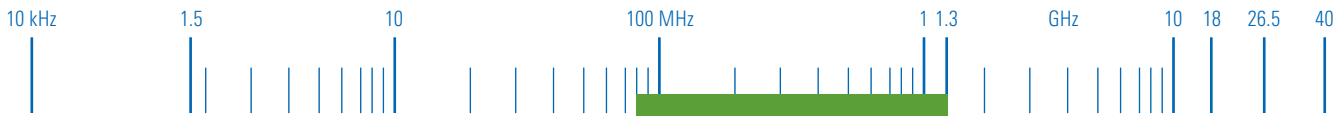


Brief description

The Log-Periodic Antenna R&S® HL007A2 with crossed elements is particularly suitable for monitoring and measuring RF signals.

The antenna features a virtually frequency-independent radiation pattern and allows horizontally, vertically and $\pm 45^\circ$ polarized signals to be received.

Polarization switching (optional) can also be remote-controlled (optional).

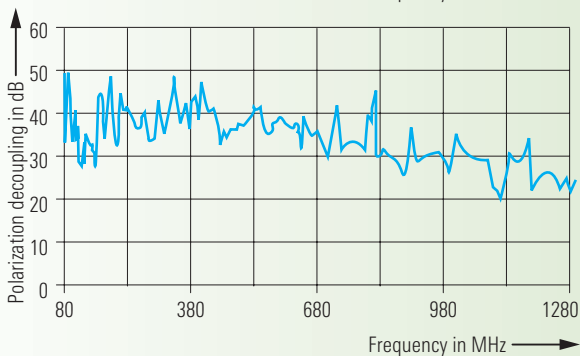
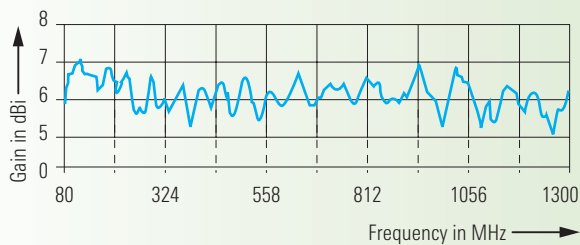


Specifications

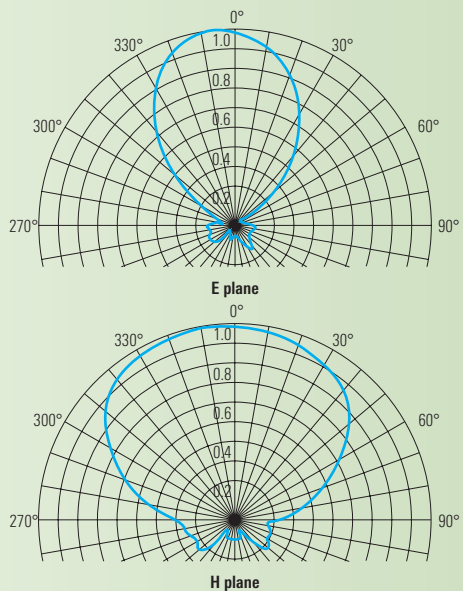
Frequency range	80 MHz to 1.3 GHz	Operating temperature range	-40°C to +50°C
Polarization (remotely selectable, optional)	linear/horizontal, vertical, $\pm 45^\circ$	Max. wind speed	180 km/h (without ice deposit)
Input impedance	50 Ω	MTBF	>150 000 h
VSWR	≤ 2.5	Dimensions (L x W x H)	approx. 1.7 m x 2 m x 2.2 m
Gain	typ. 6 dBi	Weight	approx. 15 kg
Antenna connector	2 x N female		

Ordering information

Crossed			Recommended extras		
Log-Periodic Antenna	R&S®HL007A2	4025.8700.03	Polarization Network		
			Switch for horiz./vert./ $\pm 45^\circ$		
			polarization	R&S®ZS 107	0428.2853.02
			Polarization Network		
			Switch for horiz./vert.		
			polarization	R&S®ZS 107	0428.2853.04
			Control Unit	R&S®GB016	4056.7006.02



Typical gain and polarization decoupling



Typical radiation patterns