

R&S®HL007A2 CROSSED LOG- PERIODIC ANTENNA

80 MHz to 1.3 GHz

Monitoring and measurement of RF signals



The R&S®HL007A2 log-periodic antenna with crossed elements is particularly suitable for monitoring and measuring RF signals.

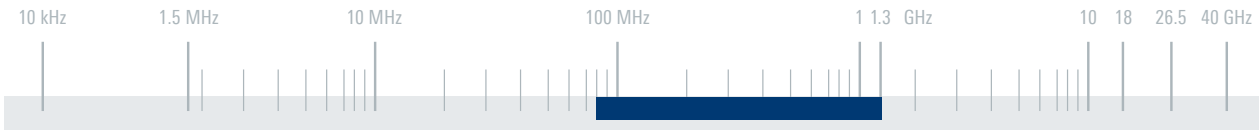
The antenna features a virtually frequency-independent radiation pattern and allows horizontally and vertically polarized signals to be received.

Polarization switching (optional) can also be remote controlled.

Key facts

- ▶ Wide frequency range
- ▶ Virtually frequency-independent radiation pattern
- ▶ Polarization horizontal and vertical (selectable with R&S®ZS107 option)
- ▶ Remote controlled polarization switching with R&S®GB016 and R&S®ZS107 or R&S®OSP220/OSP230 with R&S®OSP-BS016 and R&S®ZS107

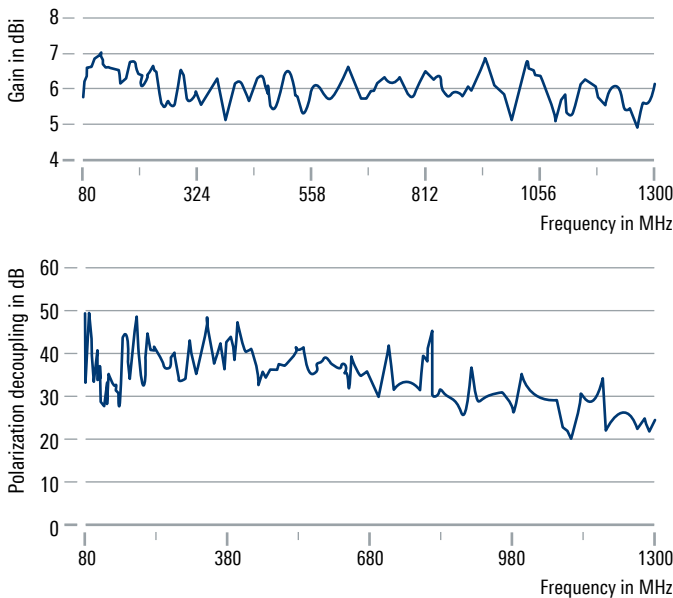




Specifications		
Frequency range		80 MHz to 1.3 GHz
Polarization		linear horizontal, vertical (optional $\pm 45^\circ$)
Input impedance		50 Ω
VSWR		≤ 2.5
Gain		6 dBi (typ.)
Antenna connector		2 x N female
Operating temperature range		-40°C to +50°C
Maximum wind speed	without ice deposit	180 km/h
MTBF		> 100000 h
Dimensions	W x H x L	approx. 2 m x 2.2 m x 1.7 m (7 ft x 7 ft x 6 ft)
Weight		approx. 18 kg (40 lb)

Ordering information	Type	Order No.
Crossed log-periodic antenna	R&S®HL007A2	4025.8700.03
Recommended extras		
Polarization network switch for horizontal/vertical polarization	R&S®ZS107	0428.2853.04
Control unit	R&S®GB016	4056.7006.03
Antenna remote control software (ARCOS)	R&S®CP001	4069.6384.05
Open switch and control platform, without touchscreen	R&S®OSP-220	1528.3105.02
Open switch and control platform, with touchscreen	R&S®OSP-230	1528.3105.03
Module for R&S®OSP, for controlling R&S®HL024Sx and R&S®HL050S7	R&S®OSP-BS016	4118.6007.03

Typical gain and polarization decoupling



Typical radiation patterns

