

R&S®HL024A1 CROSSED LOG- PERIODIC ANTENNA

1 GHz to 18 GHz

Log-periodic directional antenna for simultaneous reception of horizontally and vertically polarized waves



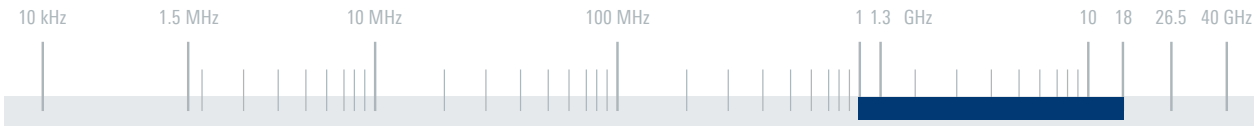
The R&S®HL024A1 crossed log-periodic antenna is designed for simultaneous reception of horizontally and vertically polarized waves.

It can also be used as a transmitting antenna for low power and as a feed for the R&S®AC008 microwave directional antenna.

Key facts

- ▶ Horizontal and vertical polarization
- ▶ Wide frequency range
- ▶ Virtually frequency-independent radiation pattern
- ▶ Usable as a feed for R&S®AC008 microwave directional antenna
- ▶ Accredited calibration available on request

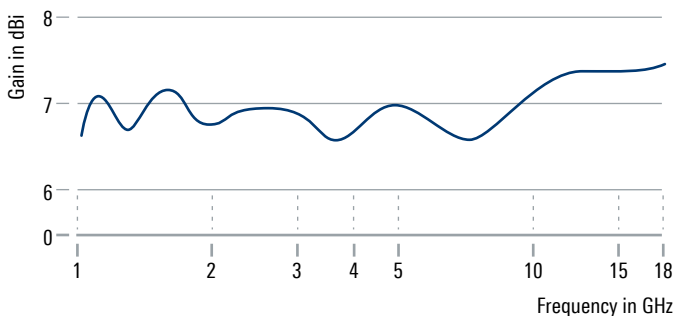




Specifications		
Frequency range		1 GHz to 18 GHz
Polarization		linear/horizontal and vertical
Input impedance		50 Ω
VSWR		≤ 2.5
Maximum input power		9 W to 2.5 W (CW)
Gain		7 dBi (typ.)
Connector		2 × SMA female
Operating temperature range		-30°C to +55°C
Maximum wind speed	without ice deposit	180 km/h
MTBF		> 100000 h
Dimensions	∅ × H; with radome	approx. 210 mm × 300 mm (8 in × 12 in)
Weight		approx. 0.7 kg (2 lb)

Ordering information	Type	Order No.
Crossed log-periodic antenna	R&S®HL024A1	0650.7510.03
Recommended extras		
Microwave cable, length: 5 m	R&S®AC008W2	0751.6931.04
Microwave cable, length: 10 m	R&S®AC008W2	0751.6931.05
Adapter for R&S®HZ-1	R&S®HL025Z1	4053.4006.03
Wooden tripod	R&S®HZ-1	0837.2310.02

Typical gain



Typical radiation patterns

