

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.

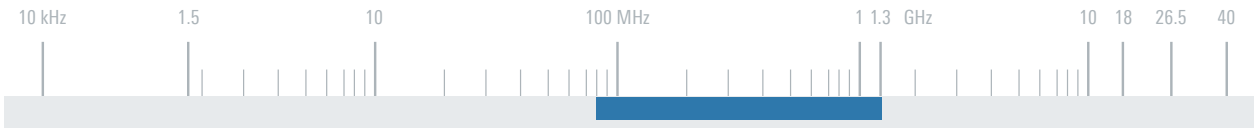
The antenna features a virtually frequency-independent radiation pattern and allows horizontally and vertically polarized signals to be received.

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





Specifications	
Frequency range	80 MHz to 1.3 GHz
Polarization	linear horizontal, vertical (optional ±45°)
Input impedance	50 Ω
VSWR	≤ 2.5
Gain	typ. 6 dBi
Antenna connector	2 × N female

Operating temperature range	-40°C to +50°C
Max. wind speed	180 km/h (without ice deposit)
MTBF	> 150000 h
Dimensions (W × H × L)	approx. 2 m × 2.2 m × 1.7 m (7 ft × 7 ft × 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

