

# R&S®HK309

## Passive Receiving Dipole

20 MHz to 1.3 GHz

Passive broadband receiving dipole for vertically polarized signals and high field strengths



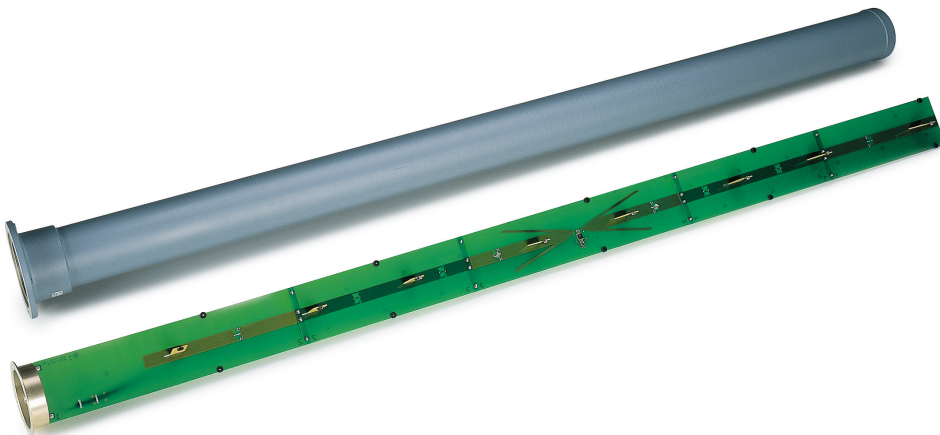
Its extremely wide bandwidth and high sensitivity make the R&S®HK309 particularly suitable for reception tasks in communications, reconnaissance and measurement.

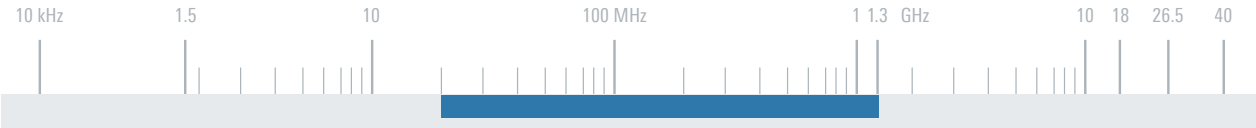
Compact design, a minimum number of distribution and switching units and a high S/N ratio are essential features for these applications.

The broadband characteristic of the R&S®HK309 passive receiving dipole is ensured by eight impedance elements which suppress nulls in the main direction of reception.

### Key facts

- Extremely wide frequency range
- High sensitivity
- High large-signal immunity
- High protection against lightning strikes in the vicinity
- Small size (dipole length only 1.7 m)
- Low weight





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Specifications	
Frequency range	20 MHz to 1.3 GHz
Polarization	linear/vertical
Horizontal radiation pattern	omnidirectional
Input impedance	50 Ω
VSWR	typ. < 3
Gain	-24 dBi to -2 dBi (typ.)
Connector	N female

Operating temperature range	-40°C to +70°C
Max. wind speed	180 km/h (without ice deposit)
MTBF	> 500000 h
Dimensions (Ø × L)	approx. 100 mm × 1710 mm (4 in × 67 in)
Weight	approx. 4 kg (9 lb)

Ordering information	Type	Order No.
Passive Receiving Dipole	R&S®HK309	4054.2007.02

