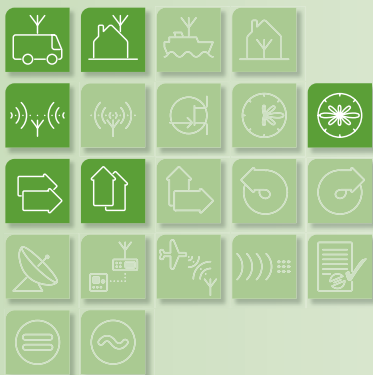


VHF/UHF Antennas

Omnidirectional Antenna

R&S® HF 902

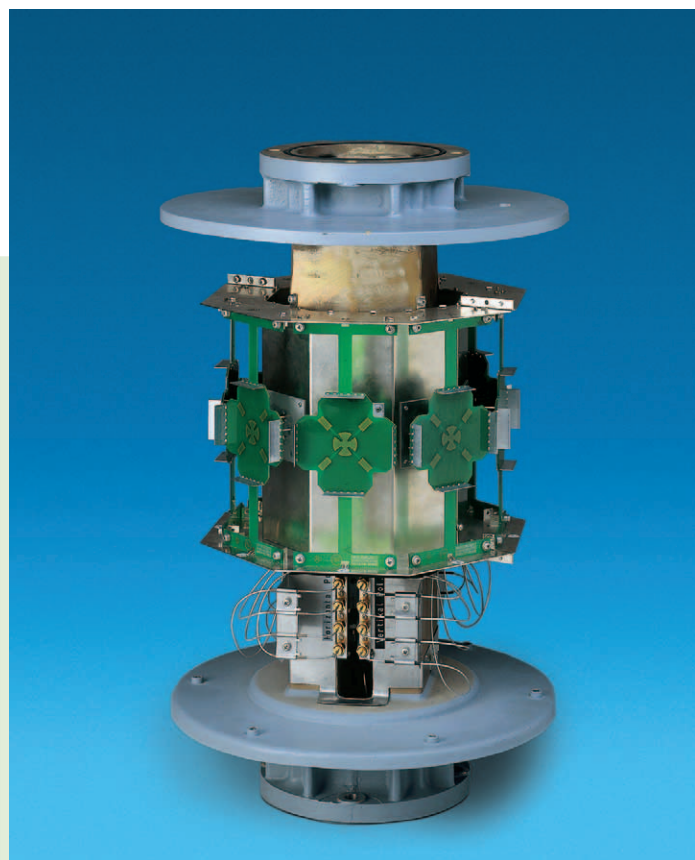


1 GHz to 3 GHz

Reception of vertically and horizontally polarized waves

Features

- ◆ Broadband frequency range
- ◆ Easy integration into broadband antenna systems due to cable feedthrough
- ◆ Small size
- ◆ Rugged design
- ◆ Suitable for mobile use
- ◆ Ideal for detection and monitoring of horizontally and vertically polarized signals



Brief description

The Omnidirectional Antenna R&S® HF902 has been designed for the reception of vertically and horizontally polarized waves. It is ideal for broadband detection and monitoring of RF signals in the frequency range 1 GHz to 3 GHz.

With a diameter of only 0.31 m and a height of 0.49 m, the compact broadband antenna is particularly suitable for applications where the available space is limited.

A compact omnidirectional receiving system for horizontally and vertically polarized waves in the frequency range 20 MHz to 3 GHz is obtained when combining the R&S® HF 902 with the Antennas R&S® HE309, R&S® HE314A1 and R&S® HF214.



Specifications

Frequency range	1 GHz to 3 GHz
Polarization	linear/horizontal and vertical
Input impedance	50 Ω
VSWR	typ. <2.5 (1.3 GHz to 3 GHz)
Gain	typ. 0 dBi
Connector	2 × N female
MTBF	>1 000 000 h
Operating temperature range	-40 °C to +65 °C

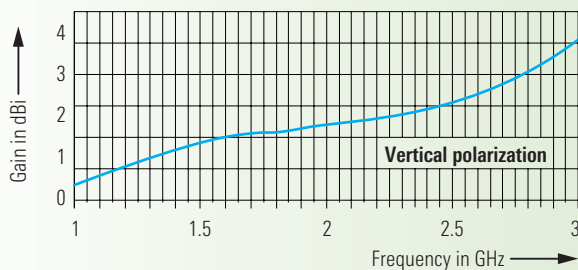
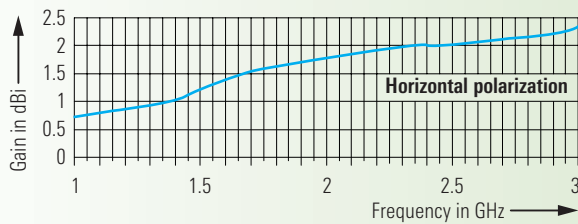
Max. wind speed	
Without ice deposit	188 km/h
With 30 mm radial ice deposit	130 km/h
Dimensions	
Diameter	approx. 310 mm
Height	approx. 490 mm
Weight	approx. 8 kg

Ordering information

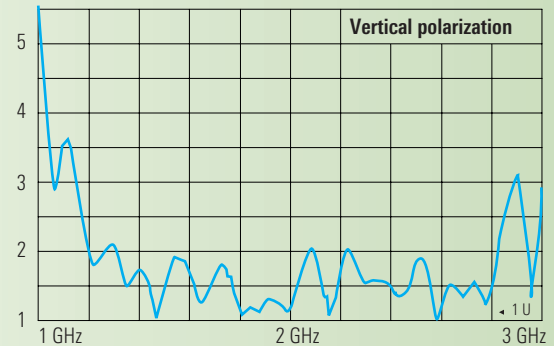
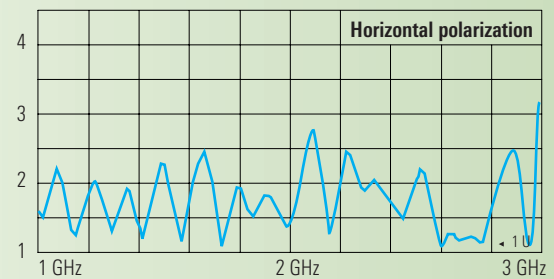
Omnidirectional Antenna R&S®HF902 4042.8005.02

Recommended extras

Active Vertical Dipole	R&S®HE309	4027.5009.02
Active Omnidirectional Antenna	R&S®HE314A1	4027.6505.02
Omnidirectional Antenna	R&S®HF214	4042.7009.02



Typical gain



Typical VSWR