

# VHF/UHF Antennas

## Omnidirectional Antenna

### R&S®HF214

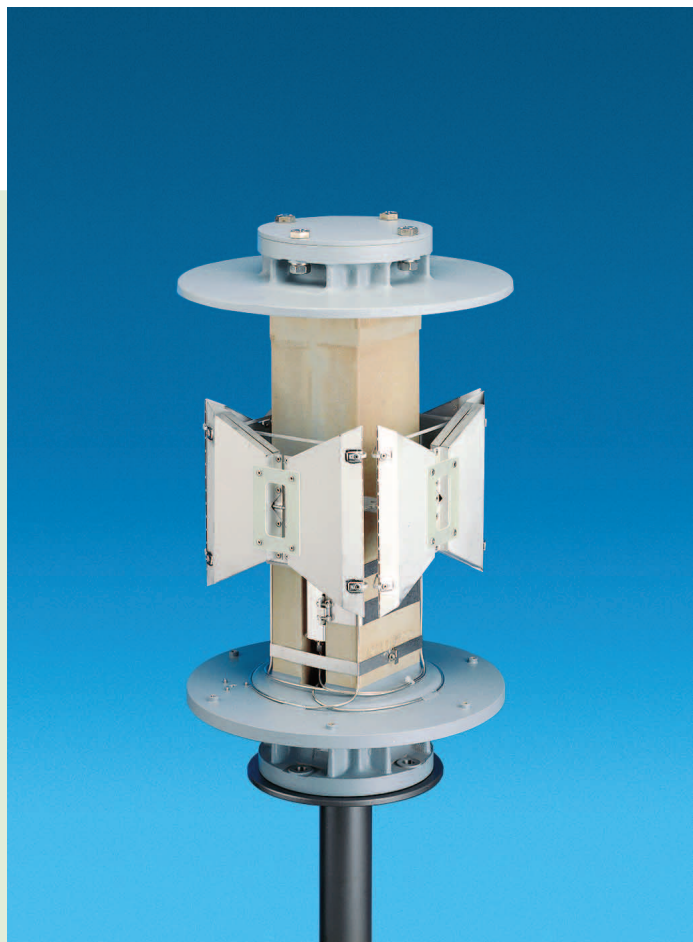


**500 MHz to 1300 MHz**

**Reception of 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 polarized signals



#### Brief description

The Omnidirectional Antenna R&S®HF214 has been designed for the reception of horizontally polarized waves. It is ideal for broadband detection and monitoring of RF signals in the frequency range 500 MHz to 1300 MHz.

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 3000 MHz is obtained when combining the R&S®HF214 with the Antennas R&S®HE309, R&S®HE314A1 and R&S®HF902.



## Specifications

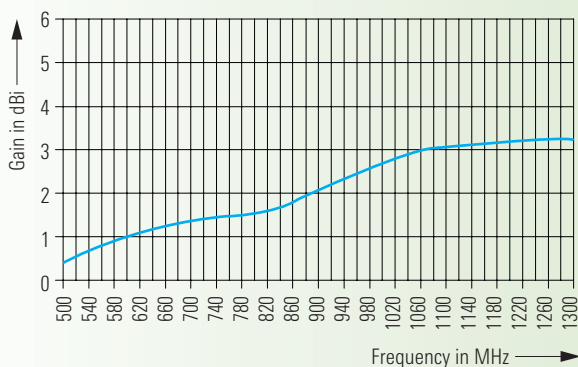
Frequency range	500 MHz to 1.3 GHz	Operating temperature range	-40°C to +65°C
Polarization	linear/horizontal	Max. wind speed	
Input impedance	50 Ω	Without ice deposit	188 km/h
VSWR	typ. <3	With 30 mm radial ice deposit	130 km/h
Gain	typ. 0 dBi	Dimensions	
Uncircularity of horizontal radiation pattern	±3 dB	Diameter	approx. 310 mm
Connector	N female	Height	approx. 490 mm
MTBF	>50 000 h	Weight	approx. 8 kg

## Ordering information

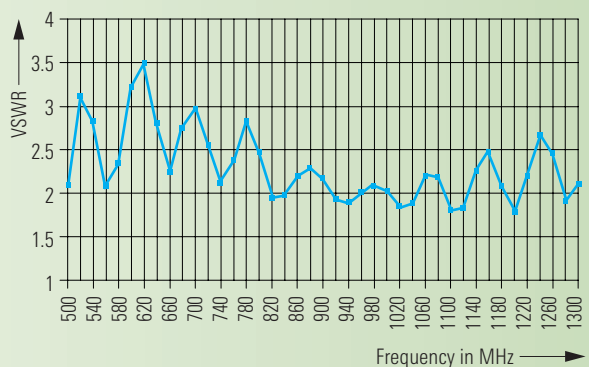
**Omnidirectional Antenna** R&S®HF214 4042.7009.02

### Recommended extras

Active Vertical Dipole	R&S®HE309	4027.5009.02
Active Omnidirectional Antenna	R&S®HE314A1	4027.6505.02
Omnidirectional Antenna	R&S®HF902	4042.8005.02



**Typical gain**



**Typical VSWR**