

# R&S®HK014E

## VHF/UHF

### Coaxial Dipole

100 MHz to 2 GHz

VHF/UHF omnidirectional antenna for vertical polarization



The R&S®HK014E VHF/UHF coaxial dipole is a vertically polarized, omnidirectional antenna for fixed and mobile applications, particularly for use on board ships. It is suitable for both transmission and reception.

At mast stub mounted on the dipole's base plate provides a convenient antenna interface for customer applications.

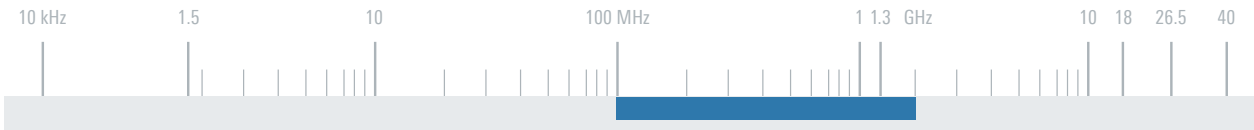
The entire antenna system is splash water resistant.

The antenna can also be fitted upside down, if required.

#### Key facts

- Extremely wide frequency range
- High suppression of skin currents
- Filled-in vertical radiation pattern
- High protection against lightning strikes in the vicinity
- Sturdy design
- RCS optimized
- Minimal wind load
- Particularly for use on ships





Specifications	
Frequency range	100 MHz to 2 GHz
Polarization	linear/vertical
Input impedance	50 Ω
VSWR	< 2 (typ.)
Permissible input power	
Up to 200 MHz	1000 W CW
Up to 500 MHz	600 W CW
Up to 1.3 GHz	400 W CW
Up to 2 GHz	300 W CW
Gain	2 dBi (typ.)

Horizontal radiation pattern	omnidirectional
Uncircularity	±1 dB (typ.)
Connector	N female
MTBF	> 150000 h
Operating temperature range	-40°C to +70°C
Max. wind speed	275 km/h (without ice deposit)
Dimensions (Ø × H)	approx. 500 mm × 1400 mm (19.7 in × 55.1 in)
Weight	approx. 15 kg (33.1 lb)

Ordering information	Type	Order No.
VHF/UHF Coaxial Dipole, color: squirrel gray (RAL7000)	R&S®HK014E	4095.5000.02
<b>Recommended extras</b>		
Diplexer for the ranges 100 MHz to 174 MHz/225 MHz to 450 MHz	R&S®FT224	0525.5117.04

