

# 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.

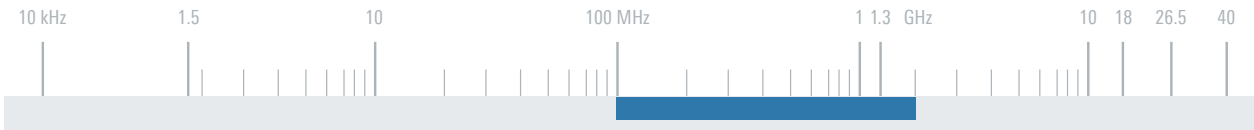
A mast stub mounted on the dipole's base plate provides a convenient antenna interface for customer applications.

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
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	typ. 2 dBi

Horizontal radiation pattern	omnidirectional
Uncircularity	±1 dB
Connector	N female
MTBF	> 150000 h
Operating temperature range	-40°C to +70°C
Protection class	IP65
Max. wind speed	275 km/h (without ice deposit)
Dimensions (Ø × H)	approx. 0.5 m × 1.4 m (2 ft × 5 ft)
Weight	approx. 15 kg (33 lb)

Ordering information	Type	Order No.
VHF/UHF Coaxial Dipole, color: squirrel gray (RAL 7000)	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

