

R&S®HK001E

UHF Coaxial Dipole

225 MHz to 450 MHz

UHF omnidirectional antenna for vertical polarization



The R&S®HK001E 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.

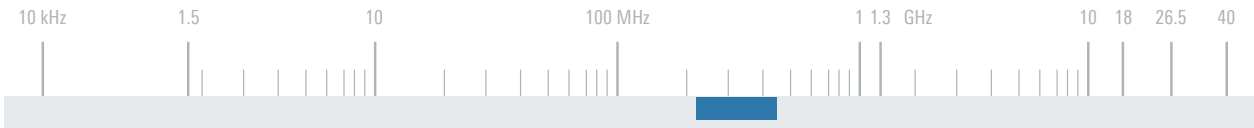
The entire antenna system is splash water resistant.

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

Key facts

- Ideal for military aeronautical radio
- Particularly for use on ships
- RCS optimized
- Rugged design
- Minimal wind load
- High protection against lightning strikes in the vicinity





Specifications	
Frequency range	225 MHz to 450 MHz
Polarization	linear/vertical
Input impedance	50 Ω
VSWR	≤ 2
Max. input power	400 W CW
Gain	typ. 2 dBi
Horizontal radiation pattern	omnidirectional
Uncircularity	
225 MHz to 400 MHz	typ. ±0.5 dB
> 400 MHz to 450 MHz	typ. ±1 dB

RF connector	N female
MTBF	> 150 000 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. 405 mm × 810 mm (16 in × 32 in)
Weight	approx. 3 kg (7 lb)

Ordering information	Type	Order No.
UHF Coaxial Dipole, color: squirrel gray (RAL 7000)	R&S®HK001E	4095.1005.02
Recommended extras		
Mast, length: 6 m, pluggable	R&S®KM011	0273.9116.02

