

R&S®HK033

VHF/UHF

Coaxial Dipole

80 MHz to 2 GHz

Extremely broadband vertical coaxial dipole especially for use on board ships



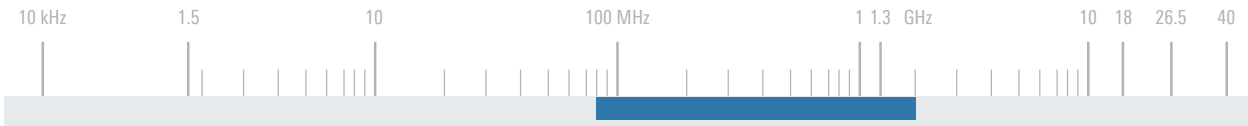
The R&S®HK033 VHF/UHF coaxial dipole is a very broadband omnidirectional antenna for vertically polarized signals.

It features a vertical radiation pattern with null fill and high suppression of skin currents.

Its rugged design, low wind load and integrated lightning protection make the R&S®HK033 ideal for use on board ships.

Key facts

- Extremely broadband
- Protection against lightning strikes
- Very low wind load
- Rugged mechanical design
- Low weight
- Ideal for aeronautical radio and monitoring applications



Specifications	
Frequency range	80 MHz to 2 GHz
Polarization	linear/vertical
Input impedance	50 Ω
VSWR	typ. < 2 (see diagram)
Max. input power	
100 MHz	860 W + 100% AM
400 MHz	430 W + 100% AM
600 MHz	360 W + 100% AM
1000 MHz	270 W + 100% AM
> 1300 MHz	240 W + 100% AM

Gain	typ. 2 dBi
Horizontal radiation pattern	omnidirectional
Max. deviation from circularity	±1 dB
Connector	N female
MTBF	> 1 000 000 h
Operating temperature range	-40°C to +85°C
Max. wind speed	240 km/h (without ice deposit)
Dimensions (Ø × H)	approx. 0.308 m × 1.234 m (1 ft × 4 ft)
Weight	approx. 6 kg (13.2 lb)

Ordering information	Type	Order No.
VHF/UHF Coaxial Dipole	R&S®HK033	4062.8369.02
Recommended extras		
Diplexer for the ranges from 100 MHz to 162 MHz/225 MHz to 450 MHz	R&S®FT224	0525.5117.03
Mast, length: 6 m, pluggable	R&S®KM011	0273.9116.02
Mast Adapter	R&S®KM011Z2	4022.3608.02

