

R&S®HA230/403 HF RECEIVING ANTENNA

1.5 MHz to 30 MHz

Also for polarization-diversity reception



The R&S®HA230/403 HF receiving antenna is a versatile shortwave antenna for both horizontally and vertically polarized waves.

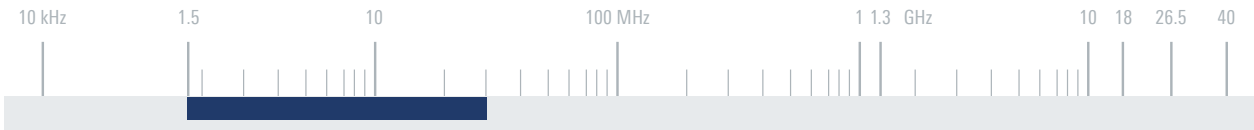
The antenna consists of a mast head with a vertical monopole and two horizontal dipoles mounted at a 90° angle. The antenna is installed on a 6 m mast.

Made up of electrically isolated and decoupled radiators, the antenna is particularly suitable for polarization-diversity reception.

Key facts

- ▶ Radiators for horizontal reception
- ▶ Radiator for vertical reception
- ▶ Individual radiators decoupled from each other
- ▶ Suitable for polarization-diversity reception





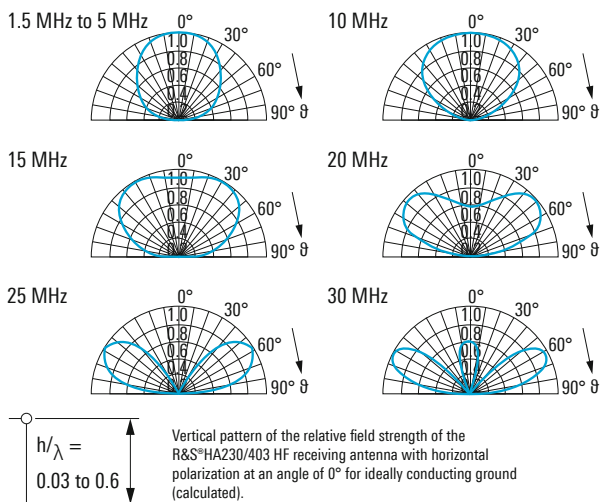
Specifications

Frequency range	1.5 MHz to 30 MHz	
Polarization	horizontal and vertical	
Input impedance	50 Ω	
Connectors	3 × N female	
MTBF	> 100 000 h	
Operating temperature range	-40°C to +65°C	
Max. wind speed	without ice deposit	150 km/h
Dimensions	length of radiators	approx. 5 m (16 ft)
	height	approx. 11 m (36 ft)
Weight (incl. mast)	approx. 85 kg (187 lb)	

Ordering information

	Type	Order No.
HF receiving antenna (stationary)	R&S®HA230/403	0101.1176.02
Consists of:		
Antenna head	R&S®HA230Z	0138.6313.00
Mast, length: 6 m	R&S®HA230M	0138.6342.00

Typical vertical radiation patterns for horizontal polarization



Typical vertical radiation patterns for vertical polarization

