

# VHF/UHF Antennas

## Active Directional Antenna

### R&S® HE 200



20 MHz to 3 GHz

**Portable directional antenna for tracing signal transmitters and interference sources**

#### Features

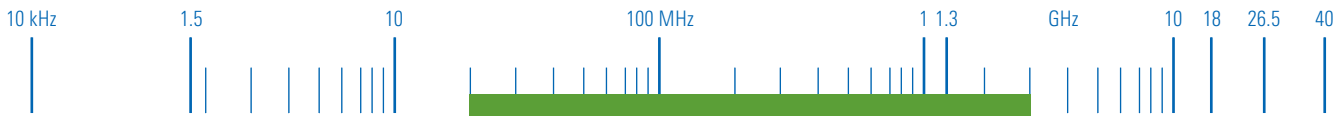
- ◆ Distinct directional pattern
- ◆ Suitable for horizontal and vertical polarization
- ◆ Wide frequency range
- ◆ Wide dynamic range
- ◆ Handy size
- ◆ Low weight

#### Brief description

Due to its small size and low weight, the Active Directional Antenna R&S® HE 200 is ideal for portable use.

In conjunction with portable receivers, it allows signal transmitters and interference sources to be reliably detected and localized. The direction is found by orienting the antenna towards the maximum signal level.

The wide frequency range is covered by three frequency-band-optimized antenna modules. The linearly polarized directional antennas have cardioid radiation patterns so that a constant DF accuracy is attained over the entire frequency range.



## Specifications

Frequency range	20 MHz to 3 GHz	Connector	N male
RF module 1	20 MHz to 200 MHz	MTBF	>50 000 h
RF module 2	200 MHz to 500 MHz	Operating temperature range	-30 °C to +60 °C
RF module 3	500 MHz to 3 GHz	Transit case (L × W × H)	approx. 470 mm × 360 mm × 180 mm
Optional HF module		Length of connecting cable	approx. 1 m
R&S® HE200HF	10 kHz to 20 MHz	Weight	
Input impedance	50 Ω	Antenna	approx. 1 kg (max.)
VSWR	typ. <2.5	With transit case	approx. 5 kg
Power supply	4 × 1.5 V DC, size: AA		
Power consumption	approx. 55 mA at 25 °C		

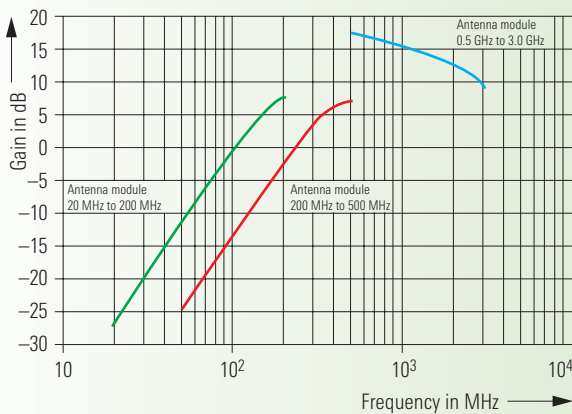
## Ordering information

### Active

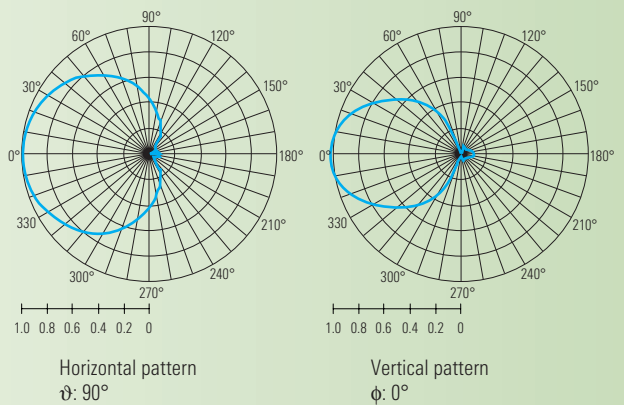
**Directional Antenna** R&S® HE200 4050.3509.02

### Recommended extras

Loop Antenna R&S® HE200HF 4051.4009.02



**Typical practical gain in active mode**



**Typical directional radiation pattern in the frequency range 0.5 GHz to 3 GHz**