

VHF/UHF Antennas

Active Directional Antenna

R&S® HE 200



20 MHz to 3000 MHz

Portable directional antenna for tracing signal transmitters and interference sources

Features

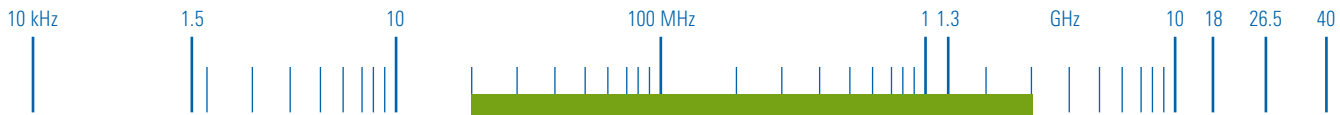
- ◆ Distinct directional pattern
- ◆ Suitable for horizontal and vertical polarization
- ◆ Wide frequency range
- ◆ Wide dynamic range
- ◆ Handy size
- ◆ Low weight

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.

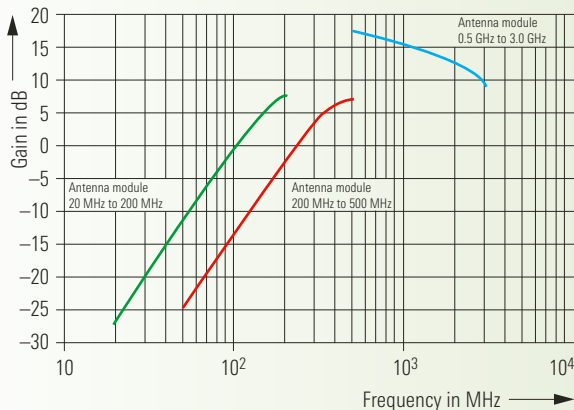


Specifications

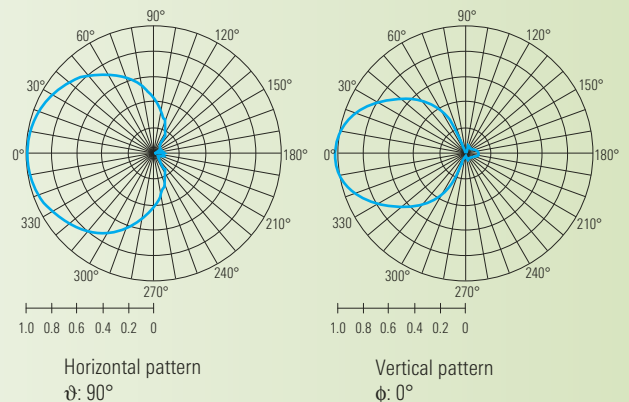
Frequency range	20 MHz to 3 GHz	Connector	N male
RF module 1	20 MHz to 200 MHz	MTBF	>50 000 h
RF module 2	200 MHz to 500 MHz	Operating temperature range	-30 °C to +60 °C
RF module 3	500 MHz to 3 GHz	Transit case (L × W × H)	approx. 562 mm × 430 mm × 190 mm
Optional HF module		Length of connecting cable	approx. 1 m
R&S®HE 200HF	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			Recommended extras		
Directional Antenna	R&S®HE 200	4050.3509.02	Loop Antenna	R&S®HE 200HF	4051.4009.02



Typical practical gain in active mode



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