

# R&S® AU900A4 Receiving Antenna System

9 kHz to 3 GHz

Omnidirectional and directional reception of vertically and horizontally polarized waves



The rotatable R&S®AU900A4 receiving antenna system designed for the reception of linearly polarized electromagnetic waves in the frequency range from 9 kHz to 3 GHz.

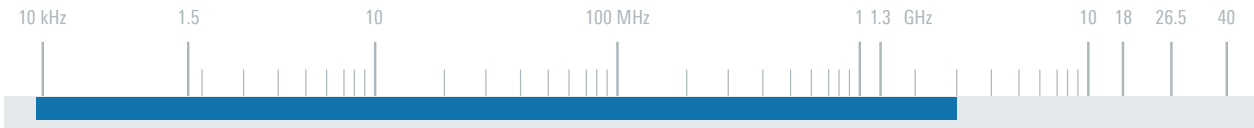
Its excellent characteristics (wide frequency bandwidth, horizontal and vertical polarization, omnidirectional and directional reception) make the antenna system ideal for radiomonitoring and radiolocation tasks.

The antenna is designed to withstand even the most adverse environmental conditions. The compact antenna requires little space and is easy to install.

## Key facts

- Omnidirectional and directional reception
- Reception of vertically and horizontally polarized signals
- Rotatable
- Ideal for radiomonitoring and radiolocation
- Customized antenna configuration



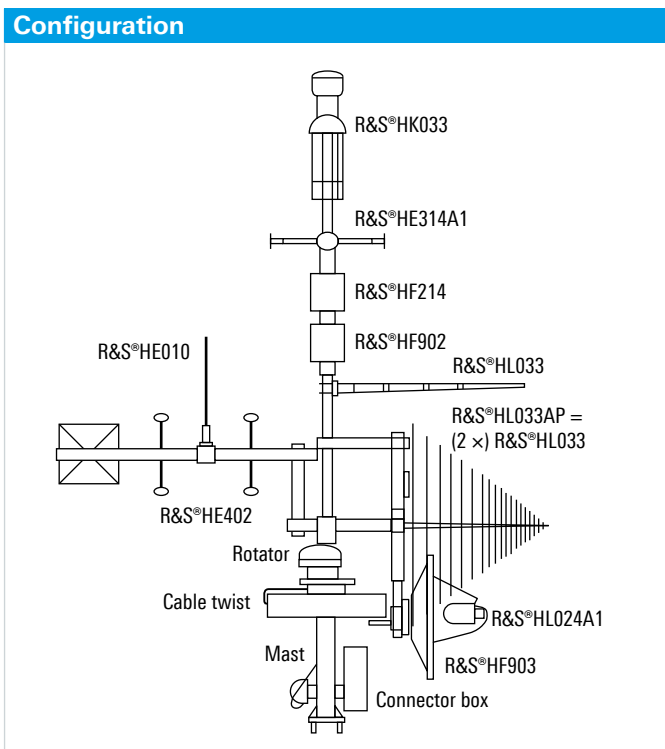


Specifications	
Frequency range	9 kHz to 3 GHz
Polarization	horizontal and vertical
Input impedance	50 Ω
Connectors (type and number)	depends on antennas used
Max. wind speed	180 km/h (without ice deposit) <sup>1)</sup>
Wind load (at 180 km/h)	13500 N <sup>1)</sup>
Range of rotation	0° to 400°
MTBF	≥ 15000 h

Operating temperature range	-40°C to +50°C
Dimensions (W × H)	approx. 3.1 m × 6.5 m <sup>1)</sup> (122.1 in × 255.9 in)
Weight	
Without ice deposit	approx. 350 kg (771.6 lb) <sup>1)</sup>
With 30 mm radial ice deposit	approx. 1000 kg (2204.6 lb) <sup>1)</sup>

<sup>1)</sup> Maximum configuration.

Ordering information	Type	Order No.
Receiving Antenna System	R&S®AU900A4	4045.0205.16
<b>Recommended extras</b>		
Antenna Control Unit (for indoor use, control via RS-232 interface and manual operation)		
With external rotator control	R&S®GB127S	3022.2011.02
With integrated rotator control	R&S®GB127M	3022.2511.02
Rotator Control Unit (with switch)	R&S®RD127	3021.9012.05



Operating frequency ranges		9 kHz	20 MHz	80 MHz 87 MHz	500 MHz 1.3 GHz	3 GHz
Directional antennas	Hor. polarization		R&S®HE402	R&S®HL033	R&S®HF903	
	Vert. polarization		R&S®HE402	R&S®HL033AP	R&S®HF903	
Omnidirectional antennas	Hor. polarization		R&S®HE314A1	R&S®HF214	R&S®HF902	
	Vert. polarization	R&S®HE010		R&S®HK033	R&S®HF902	