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Test & Measurement

- > sales
- > rentals
- > calibration
- > repair
- > disposal

Complimentary Reference Material

This PDF has been made available as a complimentary service for you to assist in evaluating this model for your testing requirements.

TMG offers a wide range of test equipment solutions, from renting short to long term, buying refurbished and purchasing new. Financing options, such as Financial Rental, and Leasing are also available on application.

TMG will assist if you are unsure whether this model will suit your requirements.

Call TMG if you need to organise repair and/or calibrate your unit.

If you click on the "Click-to-Call" logo below, you can call us for FREE!

TMG Corporate Website

TMG Products Website



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Product Lifecycle Management System

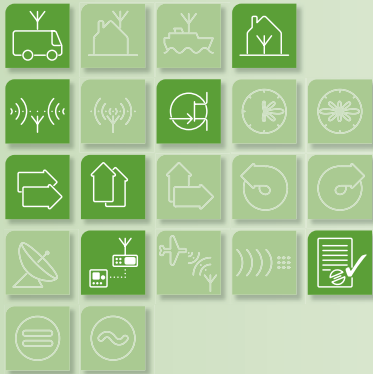
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VHF/UHF Antennas

Low-Noise Active Antenna System R&S® AM524

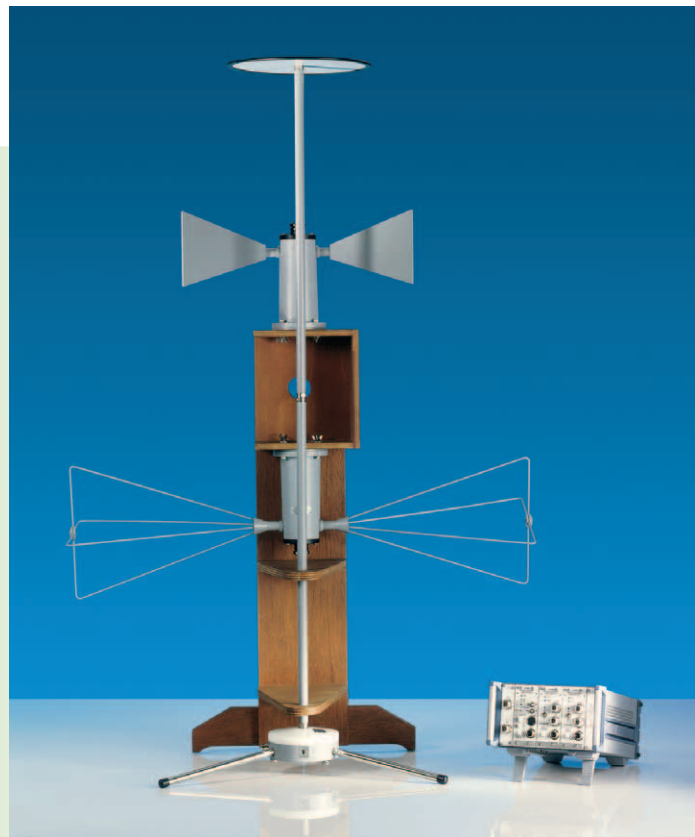


100 Hz to 1 GHz

For measuring low-level signals in
anechoic chambers

Features

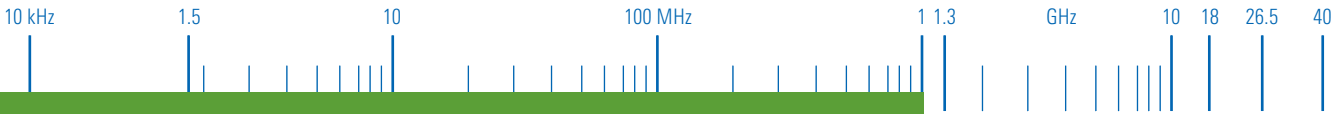
- ◆ Extremely high sensitivity
- ◆ Excellent large-signal characteristics
- ◆ Wide frequency range
- ◆ Especially suitable for TEMPEST measurements



Brief description

The Active Antenna System R&S® AM524 has been designed for measuring low-level signals in anechoic chambers. Criteria for dimensioning such antennas are different from those of active antennas used outside shielded rooms.

Essential parameters for antennas used in anechoic chambers are for instance low dimensions, high large-signal immunity and maximum sensitivity.



Specifications

Frequency range (in three subranges)	100 Hz to 1 GHz
Input impedance	50 Ω
Antenna factor ¹⁾	
100 Hz to 30 MHz	0 dB
100 MHz	-10 dB
1 GHz	19 dB
Field sensitivity (Δf = 1 Hz)	
100 Hz	0 dB(μV/m)
100 kHz	-43 dB(μV/m)
30 MHz	-51 dB(μV/m)
100 MHz	-54 dB(μV/m)
1 GHz	-37 dB(μV/m)

Power supply	110 V AC/230 V AC or 24 V DC
Connectors	N female
MTBF	>15 000 h
Operating temperature range	-10 °C to +55 °C
Dimensions (width × height), weight	
R&S®HE525	approx. 0.3 m × 1.5 m, approx. 5 kg
R&S®HE526	approx. 1 m × 0.3 m, approx. 1.7 kg
R&S®HE527	approx. 0.5 m × 0.25 m, approx. 1.6 kg

¹⁾ Without attenuator or amplifier.

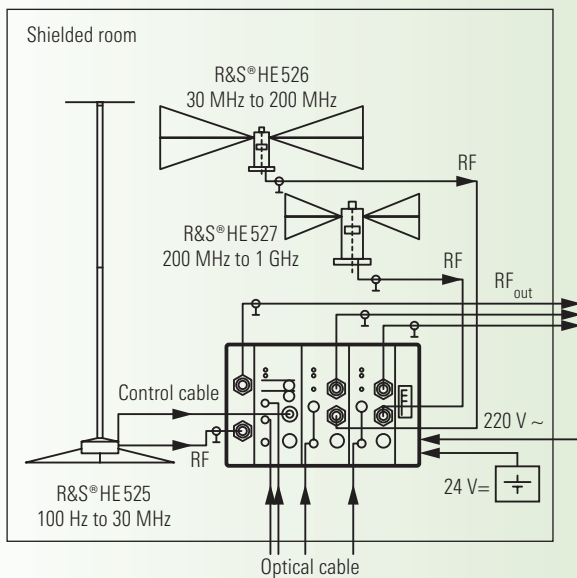
Ordering information

Low-Noise

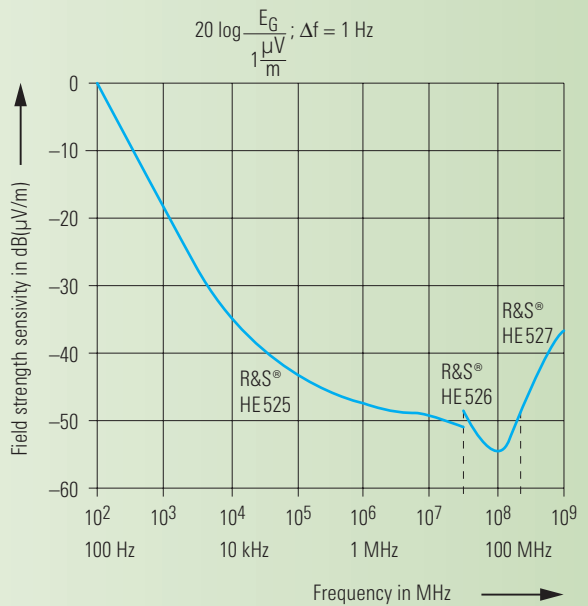
Active Antenna System R&S®AM524 4015.7001.02

Recommended extras

Control Unit R&S®GS525 4035.5004.02
Optical Cable Set R&S®GS525K1 4035.5604.02



Overview of system components



Field strength sensitivity