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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!

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# VHF/UHF Antennas

## Biconical Antenna

### R&S® HK 116



**20 MHz to 300 MHz**

**For radiated emission measurements**

#### Features

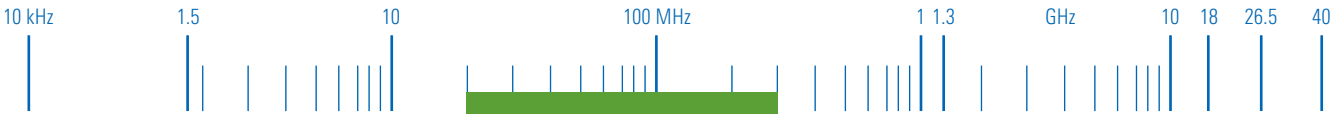
- ◆ Wide frequency range
- ◆ Radiation patterns virtually independent of frequency
- ◆ Individual calibration to ANSI C63.5 (free-space calibration)
- ◆ Low weight

#### Brief description

The R&S® HK 116 is a biconical dipole antenna for linearly polarized waves.

The antenna features a wide frequency range, a radiation pattern virtually independent of frequency plus low weight.

The R&S® HK 116 is individually calibrated to ANSI C63.5 and ARP-958 and particularly suitable for radiated emission measurements in EMC test rooms.

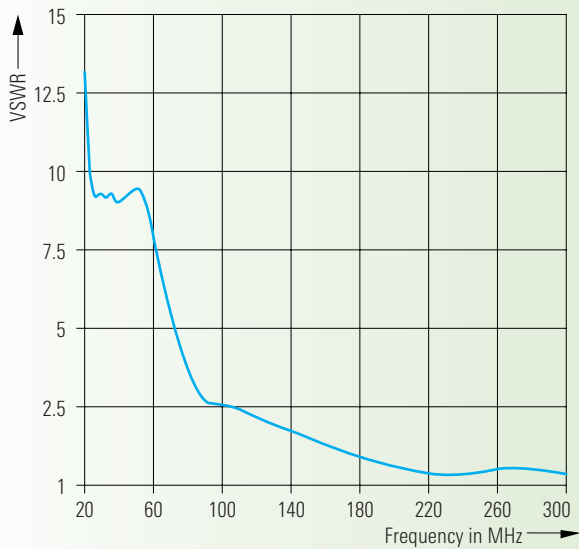


Specifications

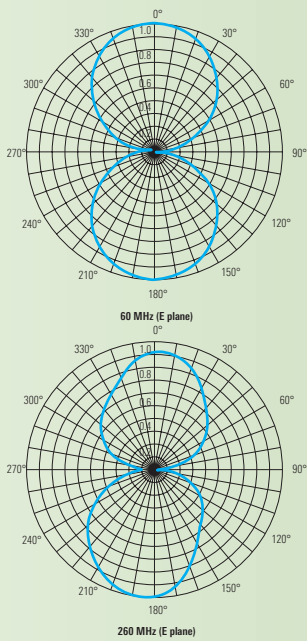
|                         |                   |                        |                                   |
|-------------------------|-------------------|------------------------|-----------------------------------|
| Frequency range         | 20 MHz to 300 MHz | Operating              |                                   |
| Polarization            | linear            | temperature range      | −40 °C to +55 °C                  |
| Input impedance         | 50 Ω              | MTBF                   | >3 000 000 h                      |
| VSWR                    | typ. 2.5          | Dimensions (L × W × H) | approx. 1380 mm × 530 mm × 720 mm |
| Permissible input power | 20 W CW           | Weight                 | approx. 3 kg                      |
| Connector               | N female          |                        |                                   |

Ordering information

|                   |             |              |                    |                        |
|-------------------|-------------|--------------|--------------------|------------------------|
| Biconical Antenna | R&S® HK 116 | 4000.7752.02 | Recommended extras |                        |
|                   |             |              | Wooden Tripod      | R&S® HZ-1 0837.2310.02 |



Typical VSWR



Typical horizontal radiation pattern