

SHF Antennas

Double-Ridged Waveguide Horn Antenna R&S® HF906



1 GHz to 18 GHz

**Broadband directional antenna, ideal for
use in EMC measurements**



Features

- ◆ Wide frequency range
- ◆ High gain
- ◆ Low VSWR
- ◆ Input power up to
300 W CW/500 W PEP
- ◆ Ideal for use in EMC laboratories

Brief description

The linearly polarized Double-Ridged Waveguide Horn Antenna R&S® HF906 is a broadband, compact transmitting and receiving antenna for the frequency range 1 GHz to 18 GHz.

High gain and low VSWR allow the measurement of low field strengths as well as the emission of high powers without any significant return loss.

The calibrated antenna is ideal for use in EMC measurement laboratories. The use of an N connector allows easy adaptation to existing equipment as well as high input power. The antenna is made of aluminium and tinned GRP boards to keep its weight low.

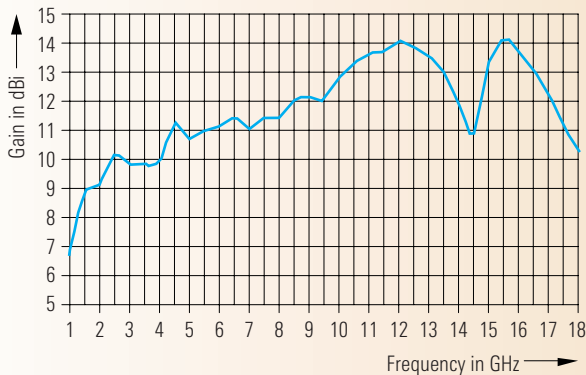


Specifications

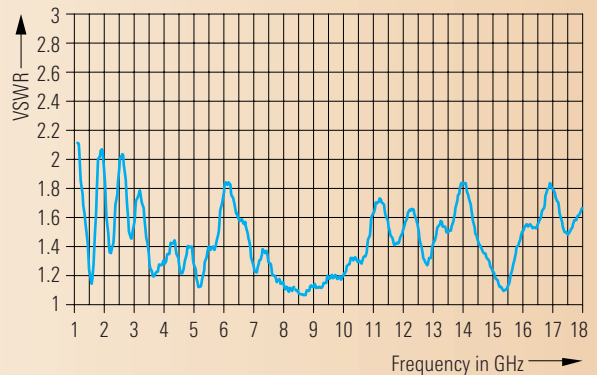
Frequency range	1 GHz to 18 GHz	Connector	N female
Polarization	linear	MTBF	>250 000 h
Input impedance	50 Ω	Operating	
VSWR	typ. <1.5	temperature range	0 °C to +50 °C
Max. input power	300 W CW/500 W PEP	Dimensions (L x W x H)	approx. 290 mm x 250 mm x 160 mm
Gain	typ. 7 dBi to 14 dBi	Weight	approx. 1.5 kg

Ordering information

Double-Ridged Waveguide			Recommended extras		
Horn Antenna	R&S®HF906	4044.4507.02	Wooden Tripod	R&S®HZ-1	0837.2310.02



Typical gain



Typical VSWR