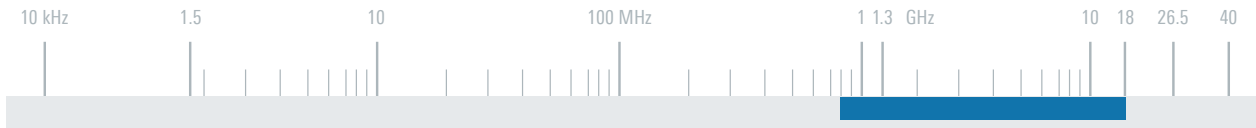


Broadband directional antenna, ideal for EMC measurements



- Wide frequency range
- High and constant gain
- Low VSWR
- Radiation pattern contains only one main lobe over the entire frequency range
- Input power up to 300 W CW/500 W PEP
- Ideal for use in EMC laboratories
- Compact size
- Each antenna is calibrated individually in line with ANSI C63.5 and SAE ARP958



Specifications

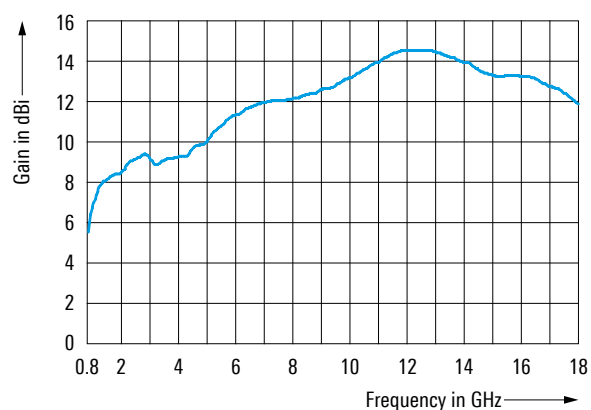
Frequency range	800 MHz to 18 GHz
Polarization	linear
Polarization decoupling	> 25 dB (typ. > 30 dB)
Input impedance	50 Ω
VSWR	≤ 3.0 ($f < 1.5$ GHz), < 2.0 ($f \geq 1.5$ GHz)
Max. input power	300 W CW/500 W PEP

Gain	5 dBi to 14 dBi (typ.)
Connector	N female
Operating temperature range	-10°C to +50°C
MTBF	> 100 000 h
Dimensions (W × H × L)	approx. 280 mm × 226 mm × 305 mm (11.0 in × 8.9 in × 12.0 in)
Weight	approx. 1.9 kg (4.2 lb)

Ordering information

Ordering information	Type	Order No.
Double-Ridged Waveguide Horn Antenna	R&S®HF907	4070.7000.02
Recommended extras		
Wooden Tripod	R&S®HZ-1	0837.2310.02

Typical gain



Typical VSWR

