## R&S®HL050E Log-Periodic Antenna

750 MHz to 6 GHz

For EMI and EMS measurements



The linearly polarized R&S°HL050E log-periodic antenna provides broadband transmission and reception in the frequency range from 750 MHz to 6 GHz.

Precise construction makes the antenna suitable for field strength and EMI measurements.

Outstanding power rating and matching (VSWR) allow its use in EMS applications where field strengths of 10 V/m or higher are required.

The compact size and the low weight of this antenna ensure easy handling and make it ideal for use in test chambers and for open-field applications.

## **Key facts**

- Wide frequency range
- I Suitable for susceptibility and emission measurements
- Stable radiation patterns over frequency range ensure optimum illumination of EUT
- Very low cross-polarization
- I Compact size, low weight
- Ease of handling
- Outstanding power rating up to 6 GHz





Specifications		
Frequency range	750 MHz to 6 GHz	
Polarization	linear	
Nominal impedance	50 Ω	
VSWR		
750 MHz to 1300 MHz	< 2.5	
Above 1300 MHz	< 2	
Gain	typ. 8.5 dBi	
Cross-polarization	< -20 dB	
Front-to-back-ratio		
750 MHz to 1 GHz	> 15 dB	
1 GHz to 6 GHz	> 20 dB	

100 W CW	
N female	
> 150 000 h	
-30°C to +55°C	
IP55	
approx. 0.21 m × 0.47 m (8 in × 19 in)	
approx. 1.4 kg (3 lb)	

Ordering information	Туре	Order No.
Log-Periodic Antenna	R&S®HL050E	4100.1003.02
Recommended extras		
Wooden Tripod	R&S®HZ-1	0837.2310.02
Adapter for R&S®HZ-1	R&S®KM011Z10	4100.1703.02



