

EMC Test Antennas

Field-strength-measurement Antennas

20 to 1300 MHz

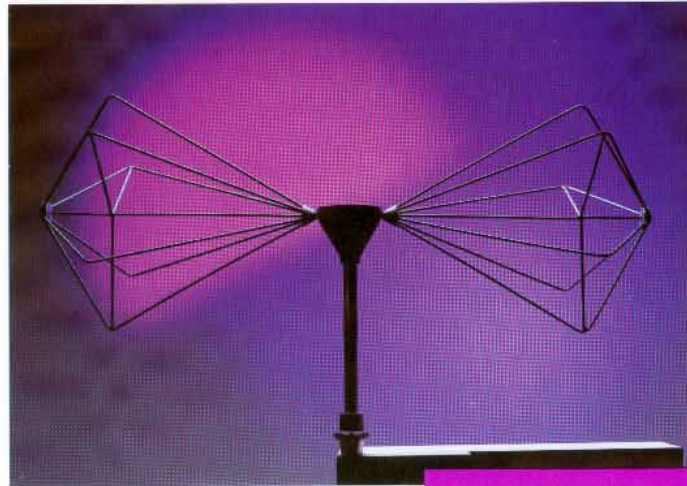
HK 116

HL 223

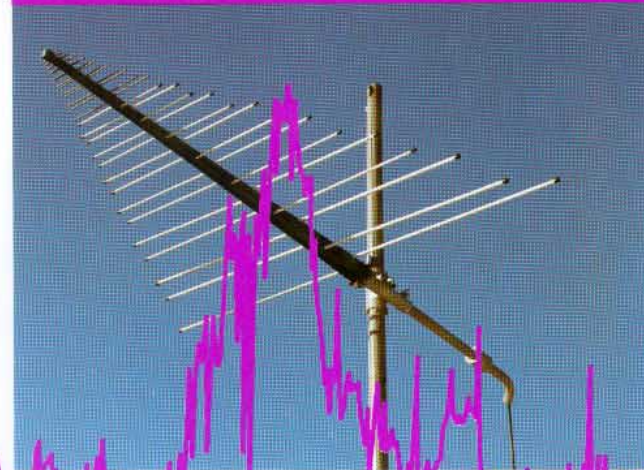
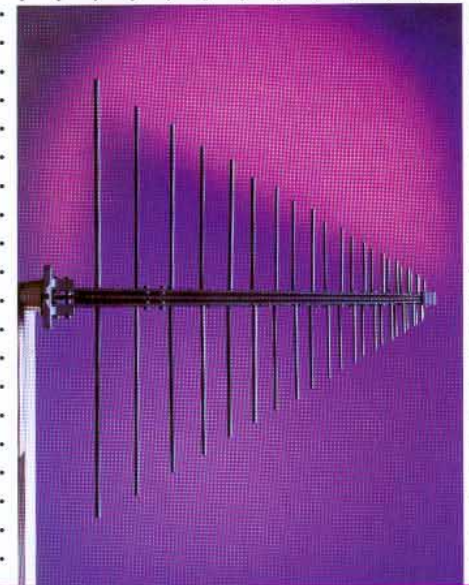
HL 023 A1

Meets requirements of:
CISPR · CCIR · VDE · MIL 461 · VG · FCC

Individually calibrated in accordance with:
ANSI C 63.5 · DIN 45 003 · ARP 958
Recalibration service available from R&S



ROHDE & SCHWARZ



- Rugged construction
- Low weight
- Fast setup

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Field-strength-measurement Antennas

HK 116
HL 223
HL 023 A1

The **linear-polarized antennas HK 116, HL 223 and HL 023 A1** are designed for general-purpose, wideband applications, both transmit and receive, over a frequency range of 20 to 1300 MHz. Since they meet relevant civil and military standards, the antennas can be used for EMI, EMS and other field-strength measurements. Rohde & Schwarz provides a recalibration service.

For transportation, the Log-periodic Antenna HL 023 A1 can be disassembled and fitted into the carrying bag supplied. For transporting and storing the Log-periodic Antenna HL 223, an aluminium case is available.

The Biconical Antenna HK 116 consists of two screw-on dipole elements and a support bar, into which the antenna transformer is integrated.

All the antennas require very little time to set up. The HK 116 and the HL 223 are provided with a tripod adapter; for the antenna HL 023 A1, a mast with adjustable height is available.

Specifications

	HK 116	HL 223	HL 023 A1
Frequency range	20 to 300 MHz	200 to 1300 MHz	80 to 1300 MHz
Polarization	linear	linear	linear
Impedance	50 Ω	50 Ω	50 Ω
Correction factor	8 to 21 dB	10 to 26 dB	4 to 25 dB
RF connector	N-type female	N-type female	N-type female
Max. input power	20 W, typ.	500 W	700 W CW at 80 MHz 650 W CW at 100 MHz 320 W CW at 500 MHz 250 W CW at 1000 MHz 230 W CW at 1300 MHz

General

Dimensions			
Length	720 mm	710 mm	1670 mm
Width	1380 mm	765 mm	1960 mm
Weight	3 kg	2 kg	5 kg
MTBF	>16 ⁸ hours	>16 ⁸ hours	>16 ⁸ hours

Ordering information

Order designations

Biconical Antenna	HK 116	4000.7752.02
Log-periodic Antenna	HL 223	4001.5501.02
Log-periodic Antenna	HL 023 A1	0577.8017.02

Recommended accessories

Antenna Case	HL 223-Z1	4001.6189.02
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