

LOGPER ANTENNAS

HYPERLOG[®]

30 SERIES

All-in-one broadband antenna for the entire frequency range from 380 MHz to 35 GHz



Highlights:

- Optimal for EMC measurements with spectrum analyzers
- Polarization can be freely aligned
- Suitable for mobile use



Gewerbegebiet Aaronia AG II, DE-54597 Strickscheid
Tel.: +49(0)6556-9019-355 Fax: +49(0)6556-93034
www.aaronia.com E-Mail: mail@aaronia.de



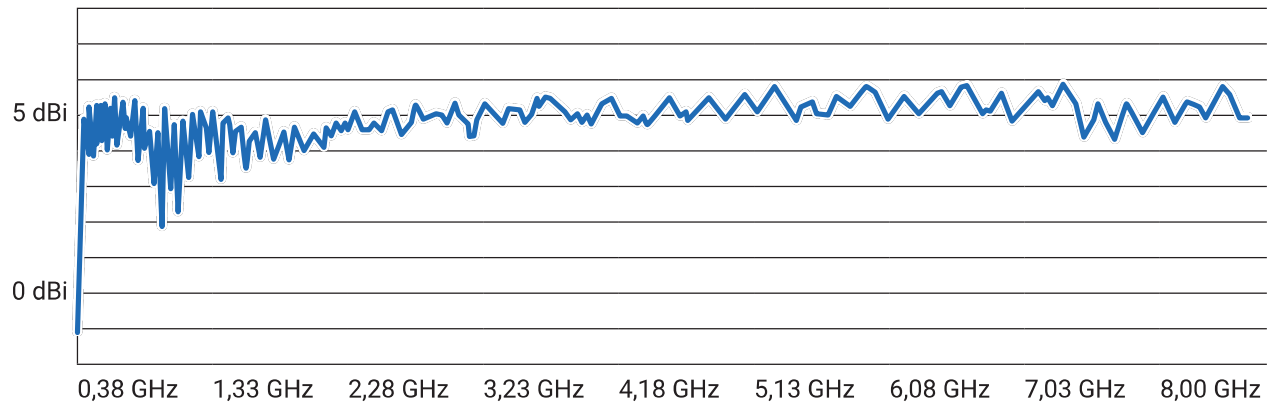
MADE IN GERMANY

Specifications

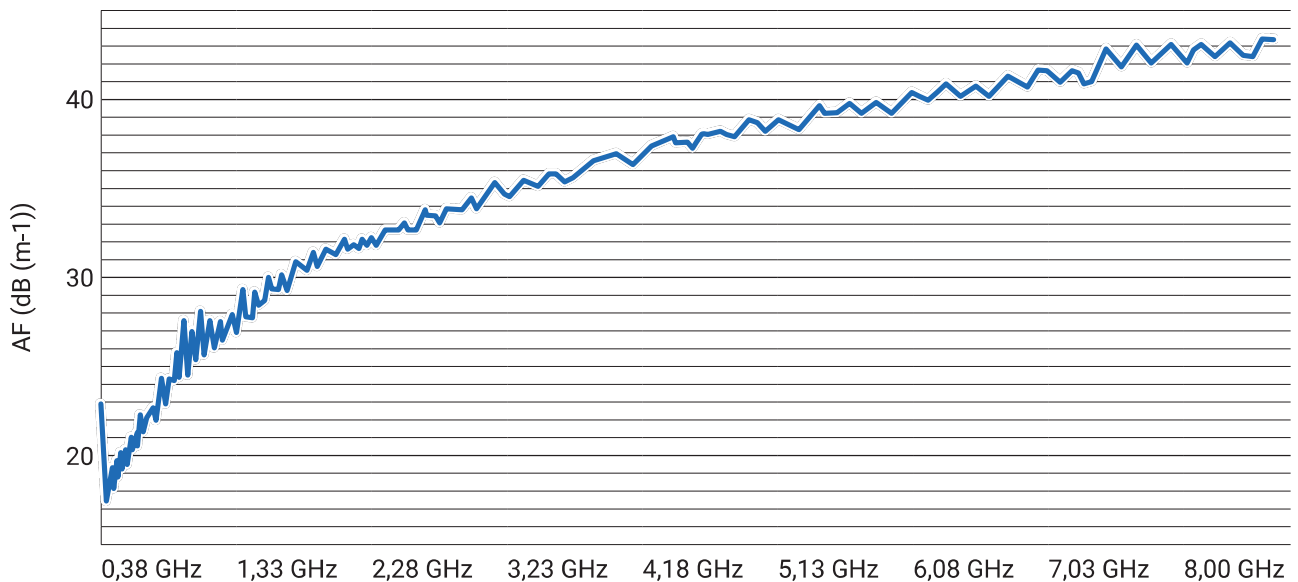
HyperLOG® 3080

Dimensions [L x W x D]	590 x 360 x 30 mm	Nominal Impedance	50 Ohm
Weight	1000 g	Calibration Points	763 (10 MHz steps)
Design	Log-periodical	VSWR (typ.)	< 2,5
Gain (typ.)	4 dBi	Max. Transmission Power	100 W CW (400 MHz)
RF Connection	SMA (f)	Antenna Factor	20 – 43 dB/m
Frequency Range	380 MHz – 8 GHz	Warranty	2 years

Gain Diagram HyperLOG® 3080



Antenna Factor Diagram HyperLOG® 3080

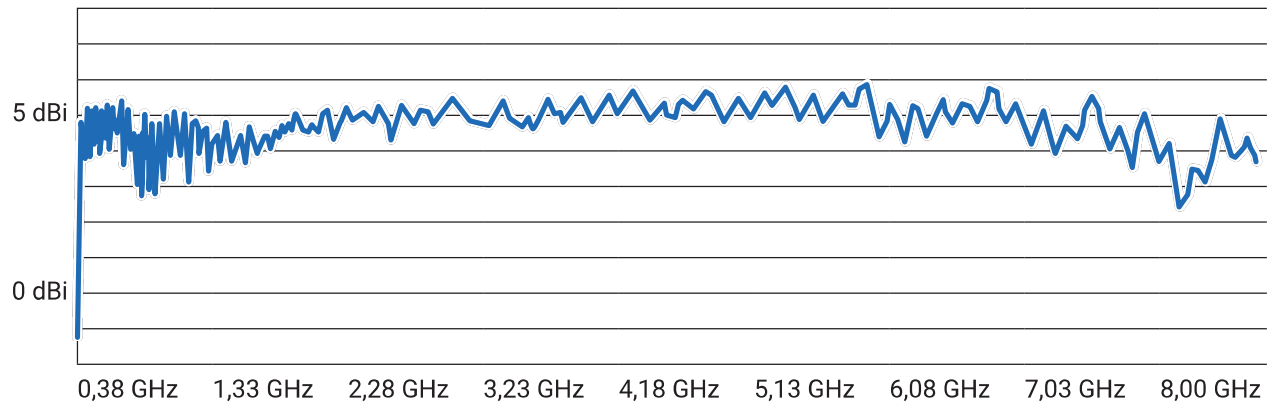


Specifications

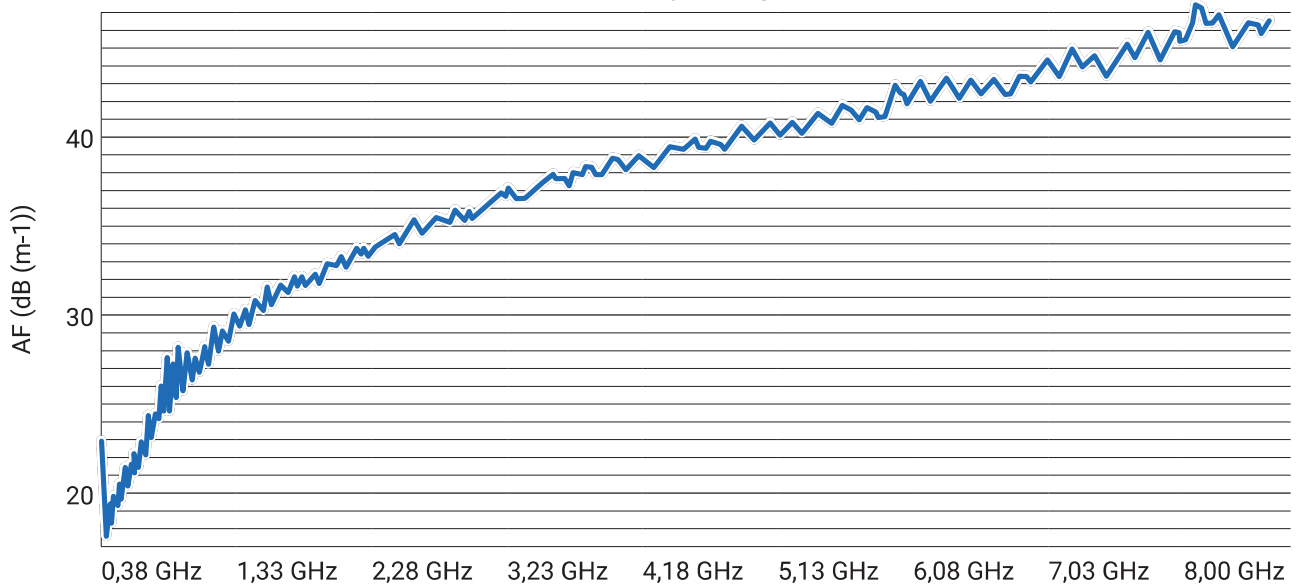
HyperLOG® 30100

Dimensions [L x W x D]	590 x 360 x 30 mm	Nominal Impedance	50 Ohm
Weight	1000 g	Calibration Points	963 (10 MHz steps)
Design	Log-periodical	VSWR (typ.)	< 2,5
Gain (typ.)	5 dBi	Max. Transmission Power	100 W CW (400 MHz)
RF Connection	SMA (f)	Antenna Factor	20 – 46 dB/m
Frequency Range	380 MHz – 10 GHz	Warranty	2 years

Gain Diagram HyperLOG® 30100



Antenna Factor Diagram HyperLOG® 30100

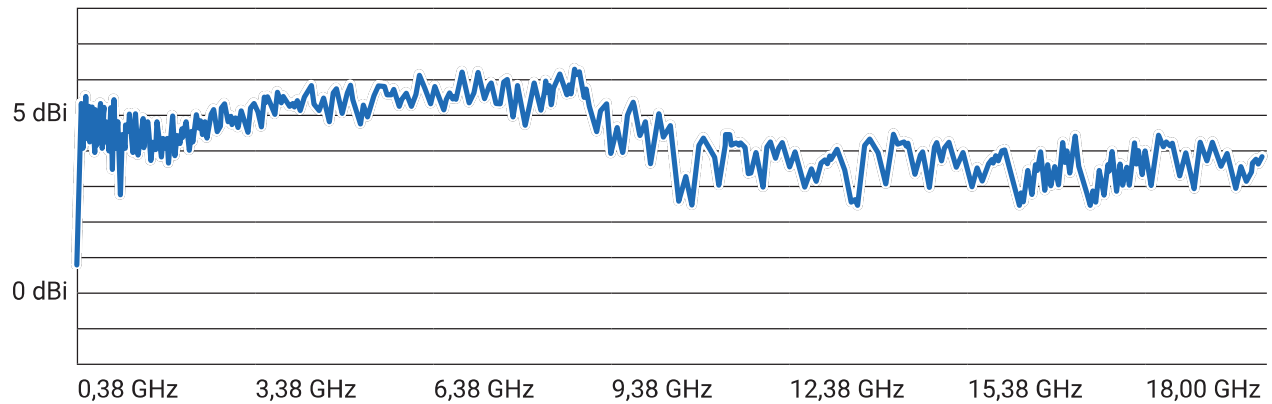


Specifications

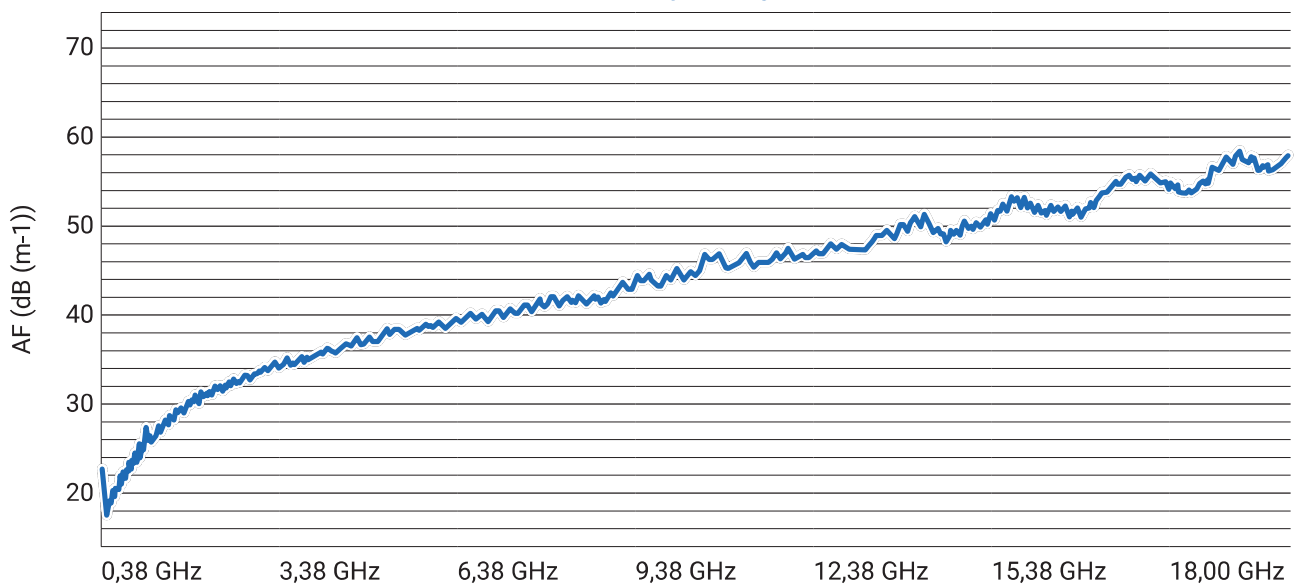
HyperLOG® 30180

Dimensions [L x W x D]	590 x 360 x 30 mm	Nominal Impedance	50 Ohm
Weight	1000 g	Calibration Points	1763 (10 MHz steps)
Design	Log-periodical	VSWR (typ.)	< 2,5
Gain (typ.)	5 dBi	Max. Transmission Power	100 W CW (400 MHz)
RF Connection	SMA (f)	Antenna Factor	20 – 55 dB/m
Frequency Range	380 MHz – 18 GHz	Warranty	2 years

Gain Diagram HyperLOG® 30180



Antenna Factor Diagram HyperLOG® 30180

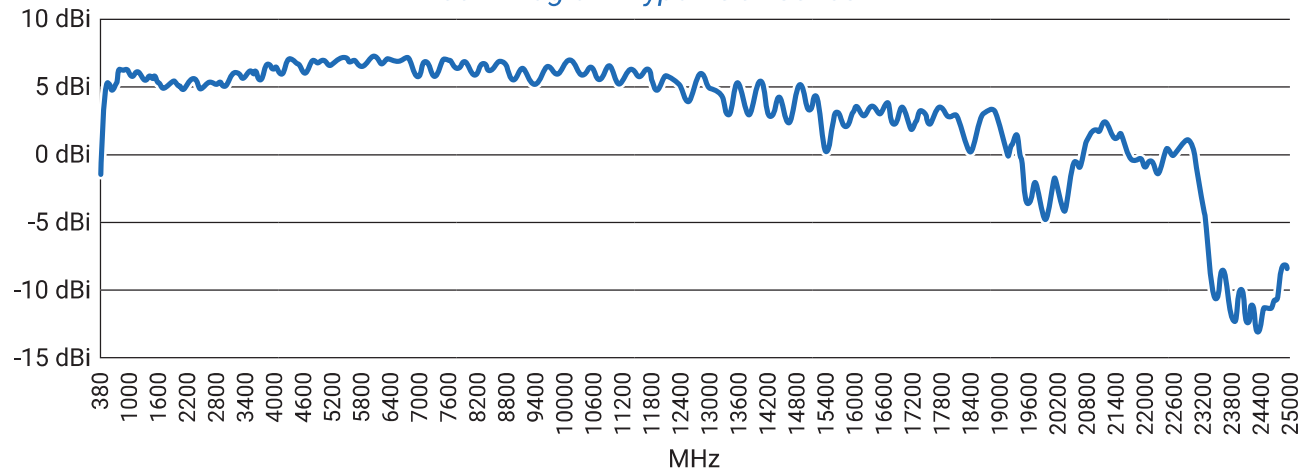


Specifications

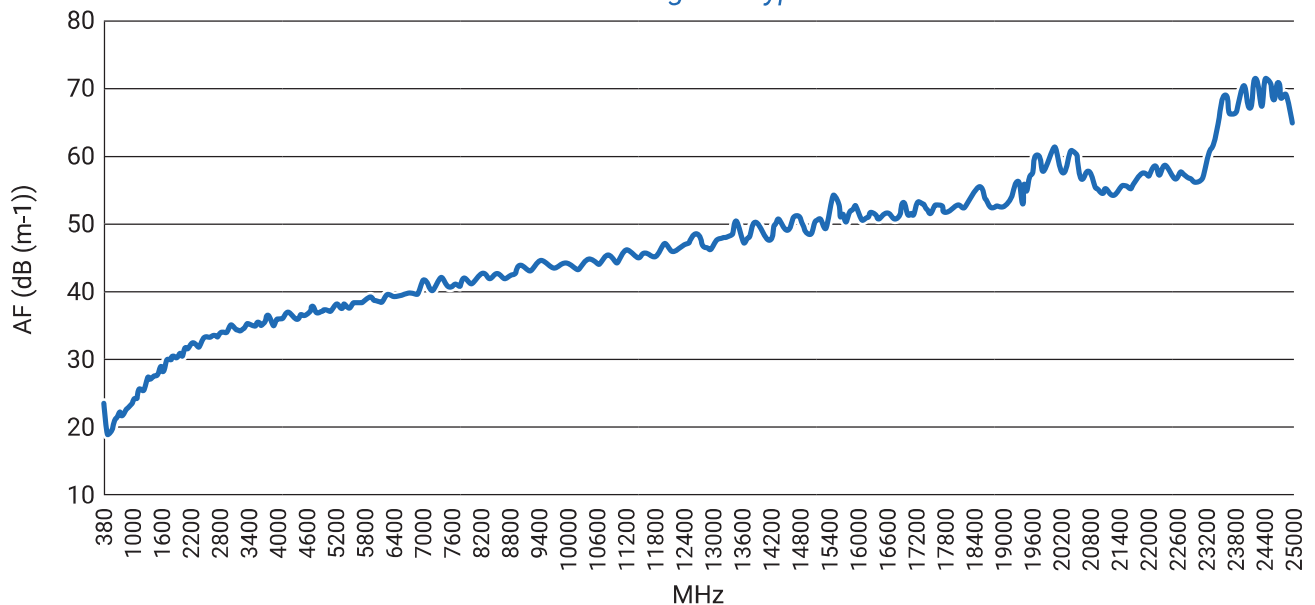
HyperLOG® 30250

Dimensions [L x W x D]	590 x 360 x 30 mm	Nominal Impedance	50 Ohm
Weight	1000 g	Calibration Points	493 (50 MHz steps)
Design	Log-periodical	VSWR (typ.)	< 2,5
Gain (typ.)	5 dBi	Max. Transmission Power	100 W CW (400 MHz)
RF Connection	K (2.92mm)	Antenna Factor	20 – 55 dB/m
Frequency Range	380 MHz – 25 GHz	Warranty	2 years

Gain Diagram HyperLOG® 30250



Antenna Factor Diagram HyperLOG® 30250

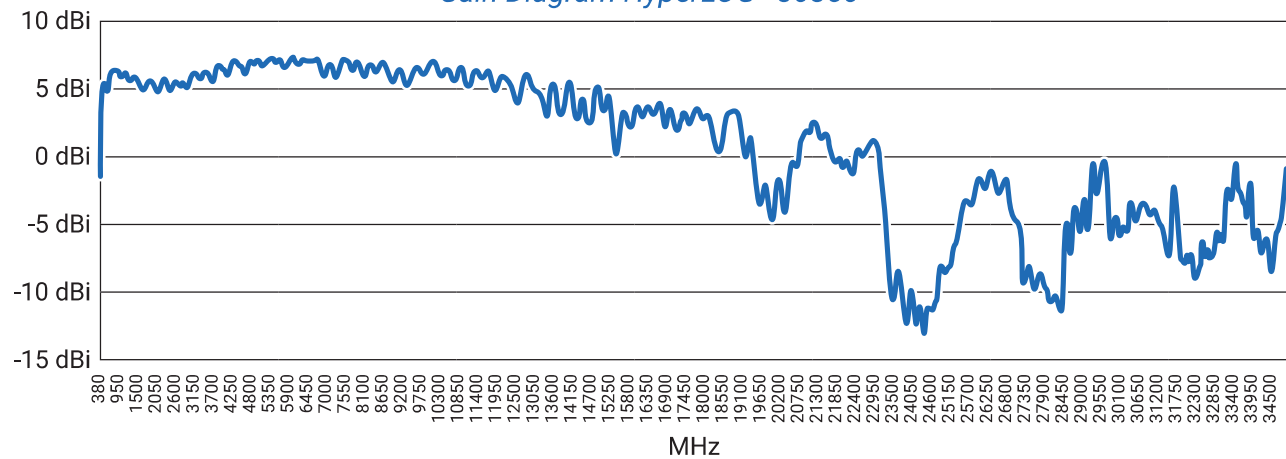


Specifications

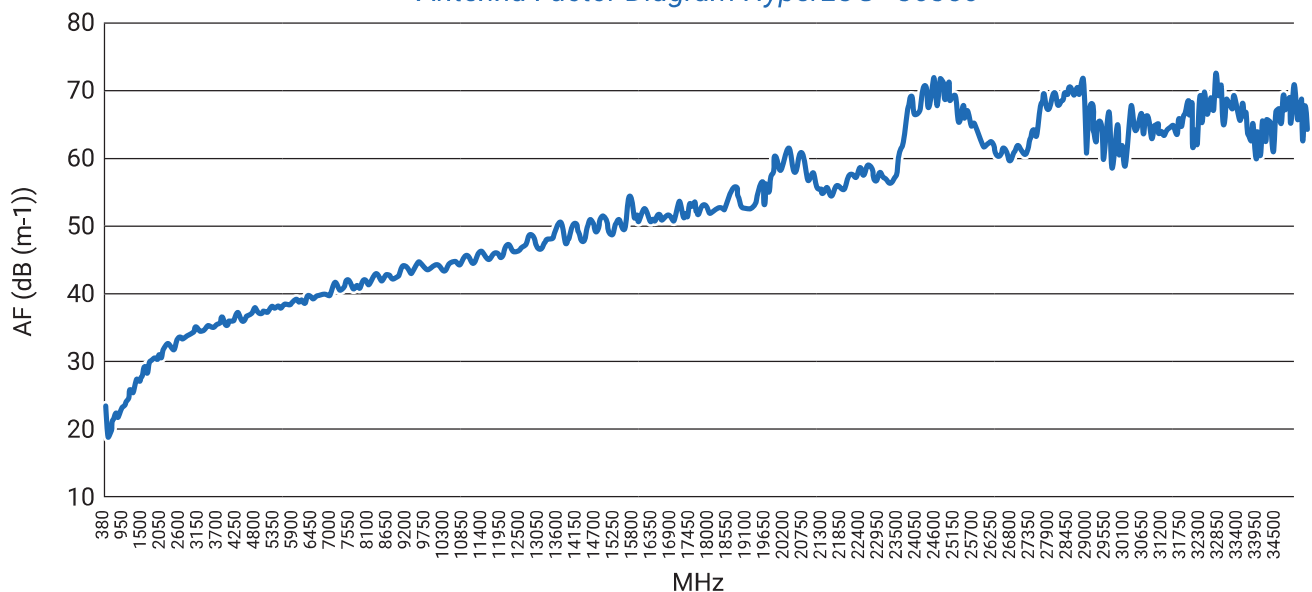
HyperLOG® 30350

Dimensions [L x W x D]	590 x 360 x 30 mm	Nominal Impedance	50 Ohm
Weight	1000 g	Calibration Points	693 (50 MHz steps)
Design	Log-periodical	VSWR (typ.)	< 2,5
Gain (typ.)	5 dBi	Max. Transmission Power	100 W CW (400 MHz)
RF Connection	K (2.92mm)	Antenna Factor	20 – 55 dB/m
Frequency Range	380 MHz – 35 GHz	Warranty	2 years

Gain Diagram HyperLOG® 30350



Antenna Factor Diagram HyperLOG® 30350



Recommended Accessories

Aluminum Tripod

Height adjustable, high stability. Recommended for use with HyperLOG® antennas.

Max. height: 105 cm.

Order/Art.-No.: 503/011



Multifunctional Pistol Grip

(strongly recommended)

Highly recommended for our HyperLOG® antennas. Quick and easy antenna polarization change, guarantees perfectly stable antenna handling.

Order/Art.-No.: 503/012

1 m / 5 m / 10 m SMA Cable

High-quality special SMA cable, connecting test equipment to any HyperLOG® antenna. Customers can choose between three different cables:

- 1 m standard SMA cable (RG316U)
 - 5 m low-loss SMA cable (especially low damping)
 - 10 m low-loss SMA cable (especially low damping)
- All versions: SMA plug (male) / SMA plug (male)

Order/Art.-No.: 501/006 (1 m), 501/008 (5 m), 501/0010 (10 m)

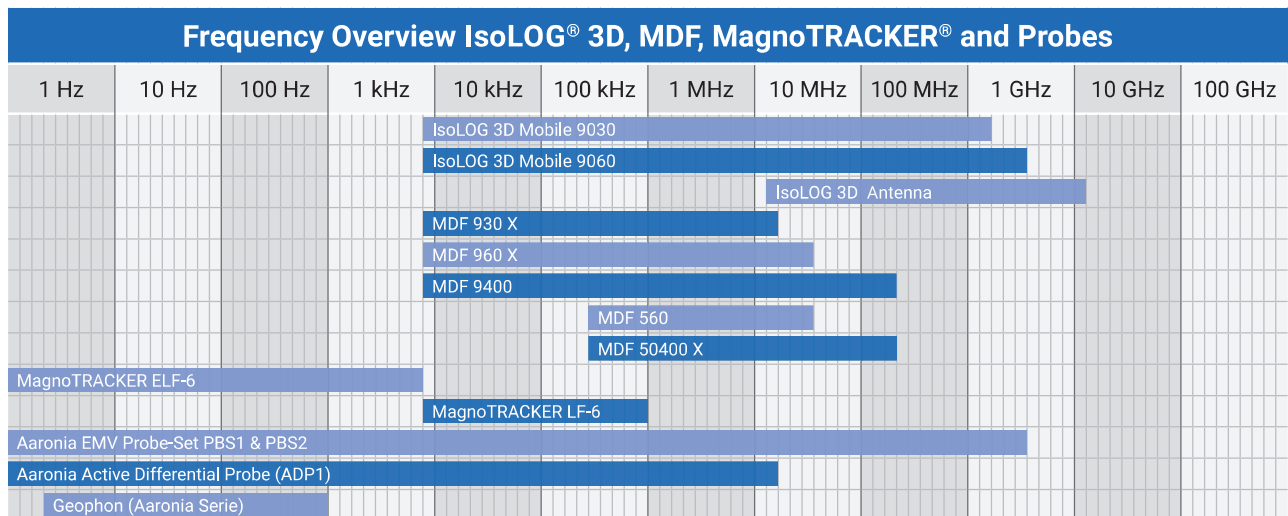
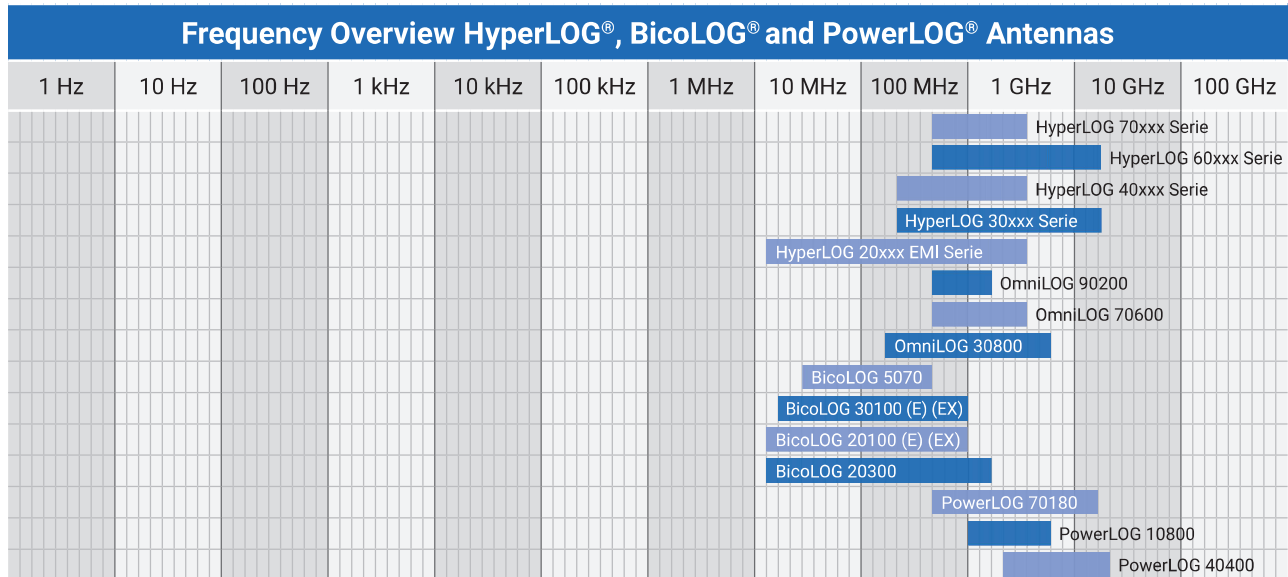
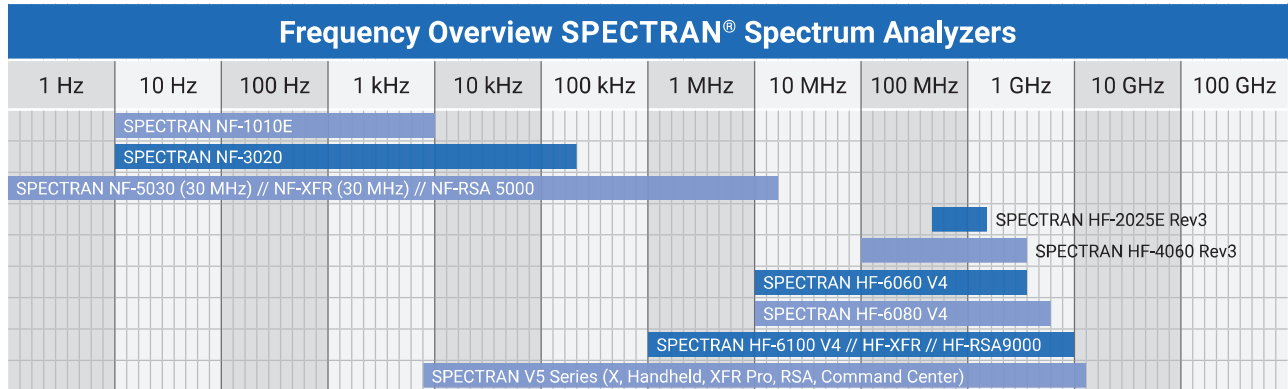


SMA to N Adapter

This special high-quality adapter allows for operating all HyperLOG® antennas with any standard spectrum analyzer equipped with an N connector. This adapter can be used with very high frequencies. Measuring just 30 x 20 mm in size, its nominal impedance is 50 Ohm. Layout: SMA socket (female) / N plug (male).

Order/Art.-No.: 502/009

Frequency Overviews



REFERENCES



Selected Aaronia Clients

Government, Military, Aeronautic, Astronautic

- NATO, Belgium
- Department of Defense (DoD), USA
- Department of Defence, Australia
- Airbus, Germany
- Boeing, USA
- German Armed Forces, Germany
- NASA, USA
- Lockheed Martin, USA
- Lufthansa, Germany
- German Aerospace Center (DLR), Germany
- Eurocontrol, Belgium
- EADS, Germany
- Drug Enforcement Administration (DEA), USA
- Federal Bureau of Investigation (FBI), USA
- Federal Criminal Police Office (BKA), Germany
- Federal Police, Germany
- Ministry of Defence, Netherlands

Research/Development, Science and Universities

- MIT - Physics Department, USA
- California State University, USA
- Indonesian Institute of Science (LIPI), Indonesia
- Los Alamos National Laboratory (LANL), USA
- University of Bahrain, Bahrain
- University of Florida, USA
- University of Victoria, Canada
- University of Newcastle, United Kingdom
- University of Durham, United Kingdom
- University Strasbourg, France
- University of Sydney, Australia
- University of Athen, Greece
- University of Munich, Germany
- Technical University of Hamburg, Germany
- Max-Planck Inst. for Radio Astronomy, Germany
- Max-Planck Inst. for Nuclear Physics, Germany
- Research Centre Karlsruhe, Germany

Industry

- IBM, Switzerland
- Intel, Germany
- Shell Oil Company, USA
- ATI, USA
- Microsoft, USA
- Motorola, Brazil
- Audi, Germany
- BMW, Germany
- Daimler, Germany
- Volkswagen, Germany
- BASF, Germany
- Siemens AG, Germany
- Rohde & Schwarz, Germany
- Infineon, Austria
- Philips, Germany
- ThyssenKrupp, Germany
- EnBW (Energie Baden-Württemberg), Germany
- CNN, USA
- Duracell, USA
- German Telekom, Germany
- Bank of Canada, Canada
- NBC News, USA
- Sony, Germany
- Anritsu, Germany
- Hewlett-Packard, Germany
- Bosch, Germany
- Mercedes-Benz, Austria
- Osram, Germany
- DEKRA, Germany
- AMD, Germany
- Keysight, China
- Infineon Technologies, Germany
- Philips Semiconductors, Germany
- Hyundai Europe, Germany
- VIAMI, Korea
- Wilkinson Sword, Germany
- IBM Deutschland, Germany
- Nokia-Siemens Networks, Germany

**MADE IN GERMANY**

Aaronia AG, Gewerbegebiet Aaronia AG, DE-54597 Strickscheid, Germany
Phone: +49(0)6556-900310 | Fax: +49(0)6556-900319
Email: mail@aaronia.de | URL: www.aaronia.com