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

AARONIA AG®
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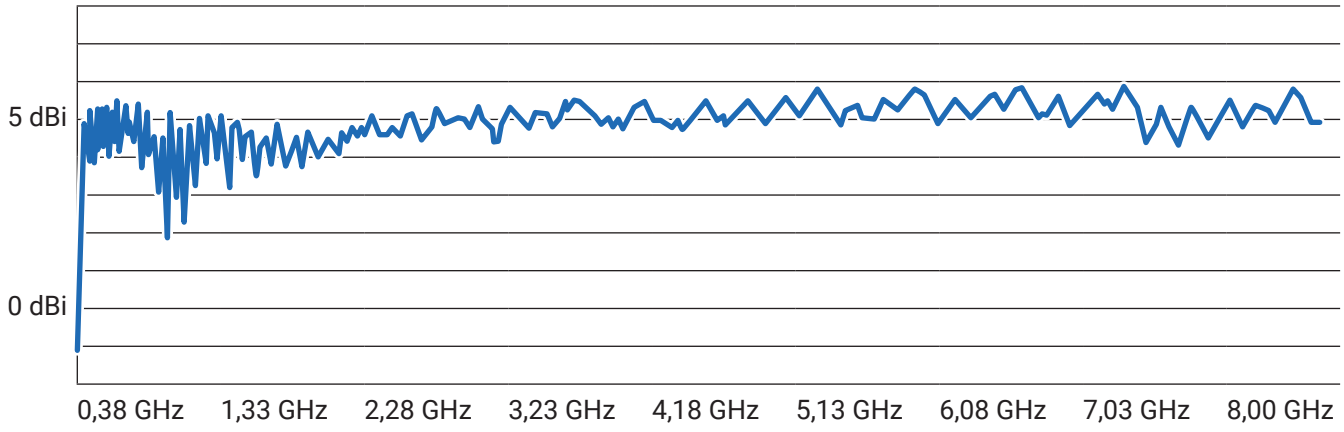
MADE IN GERMANY

Specifications

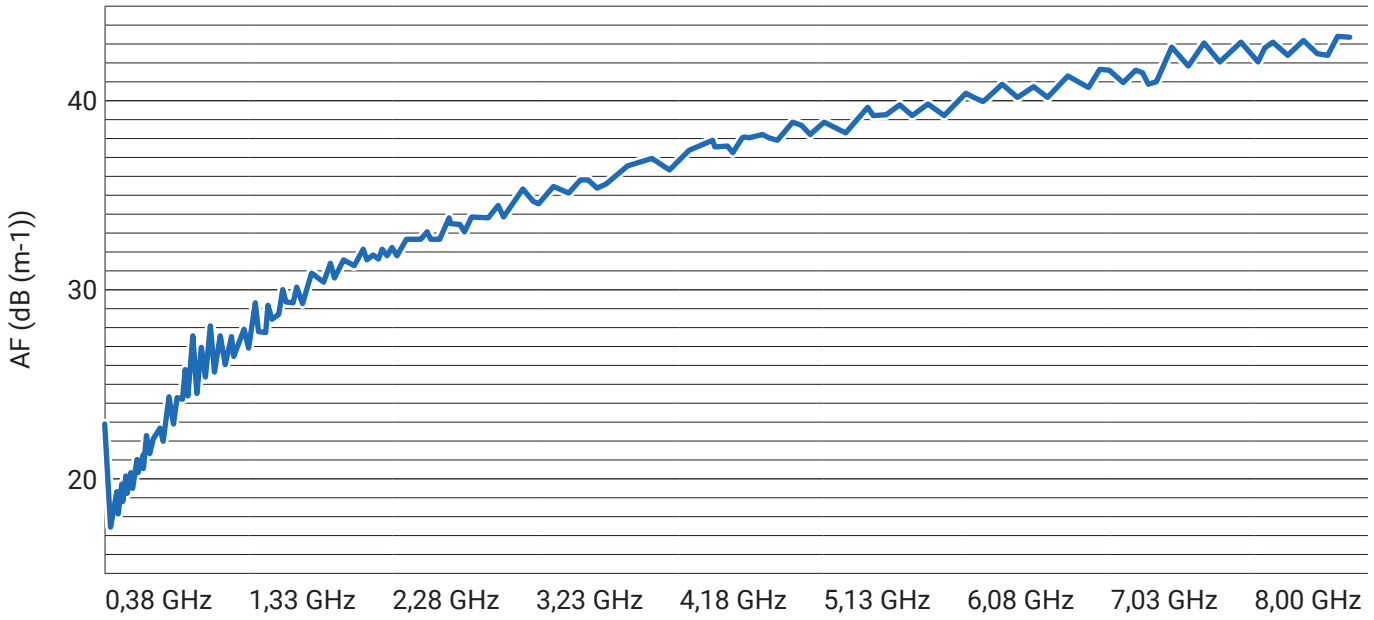
HyperLOG® 3080

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

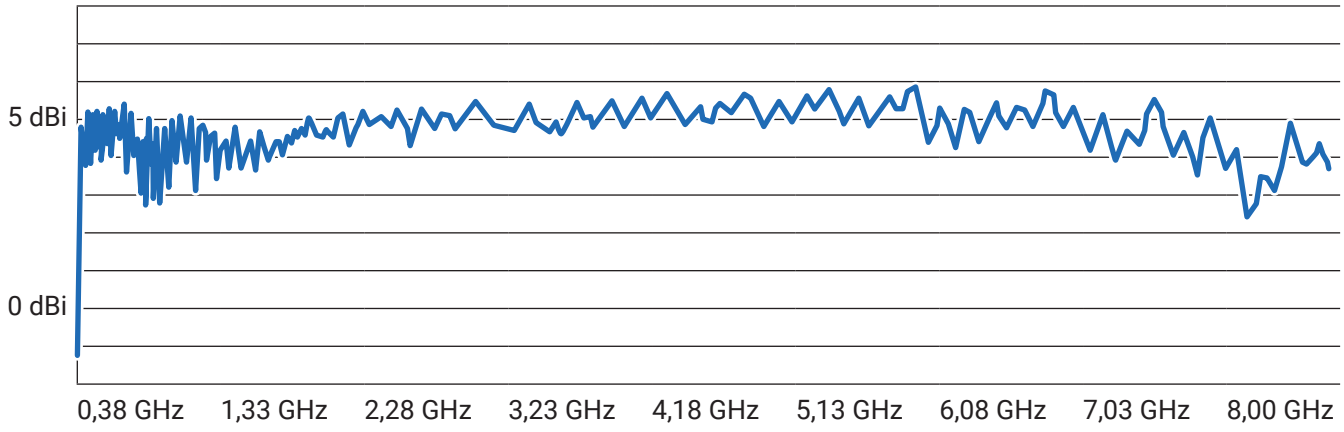


Specifications

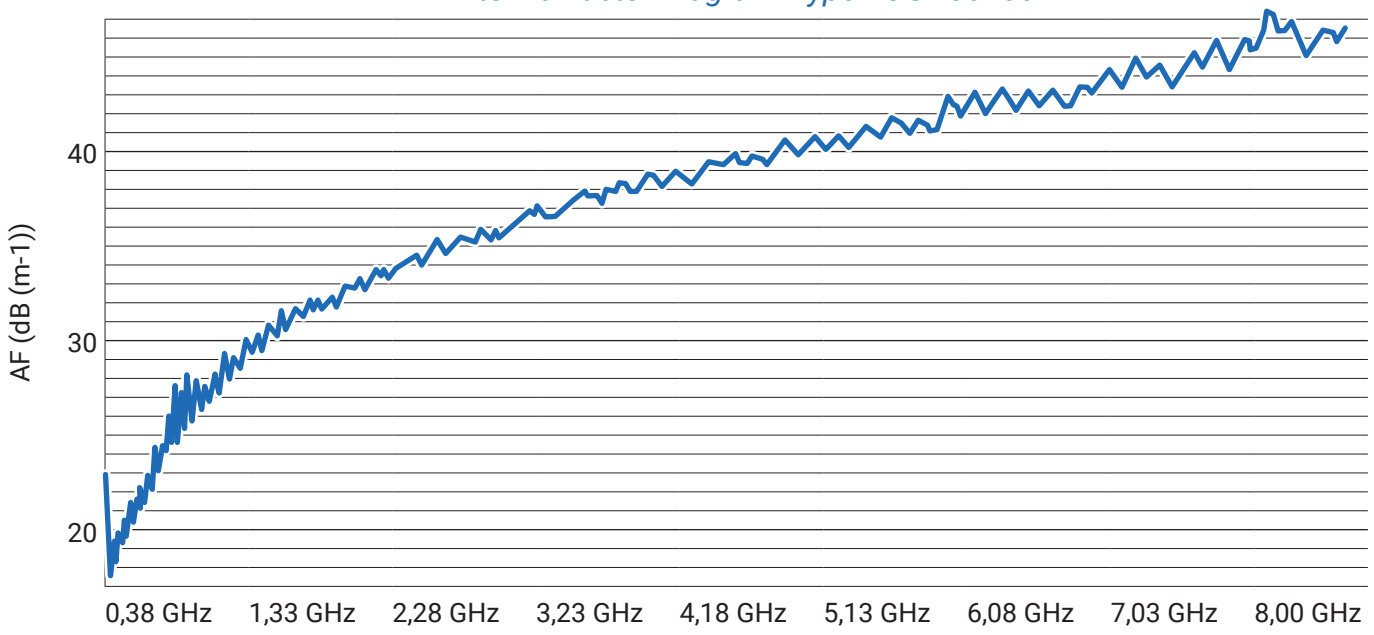
HyperLOG® 30100

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

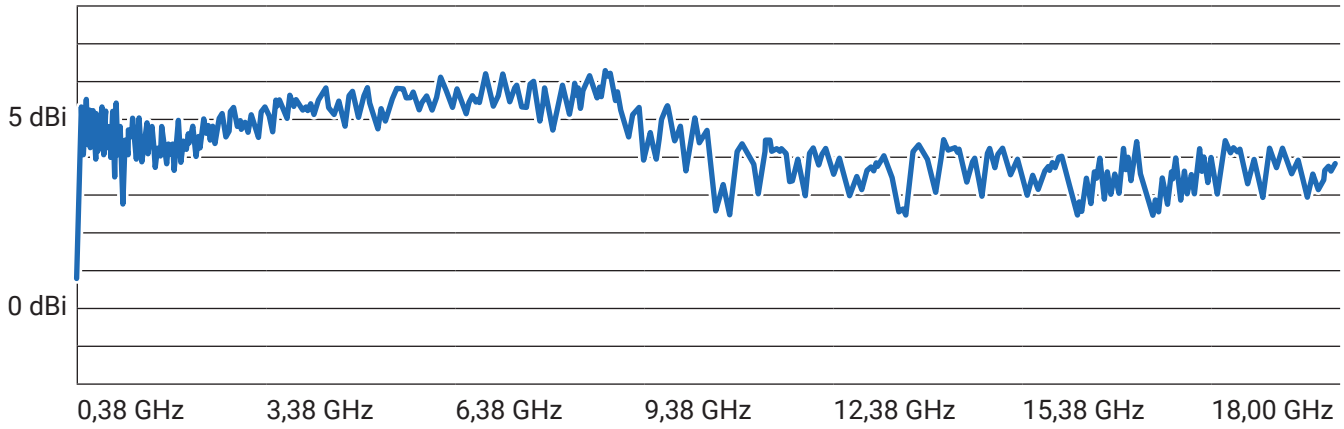


Specifications

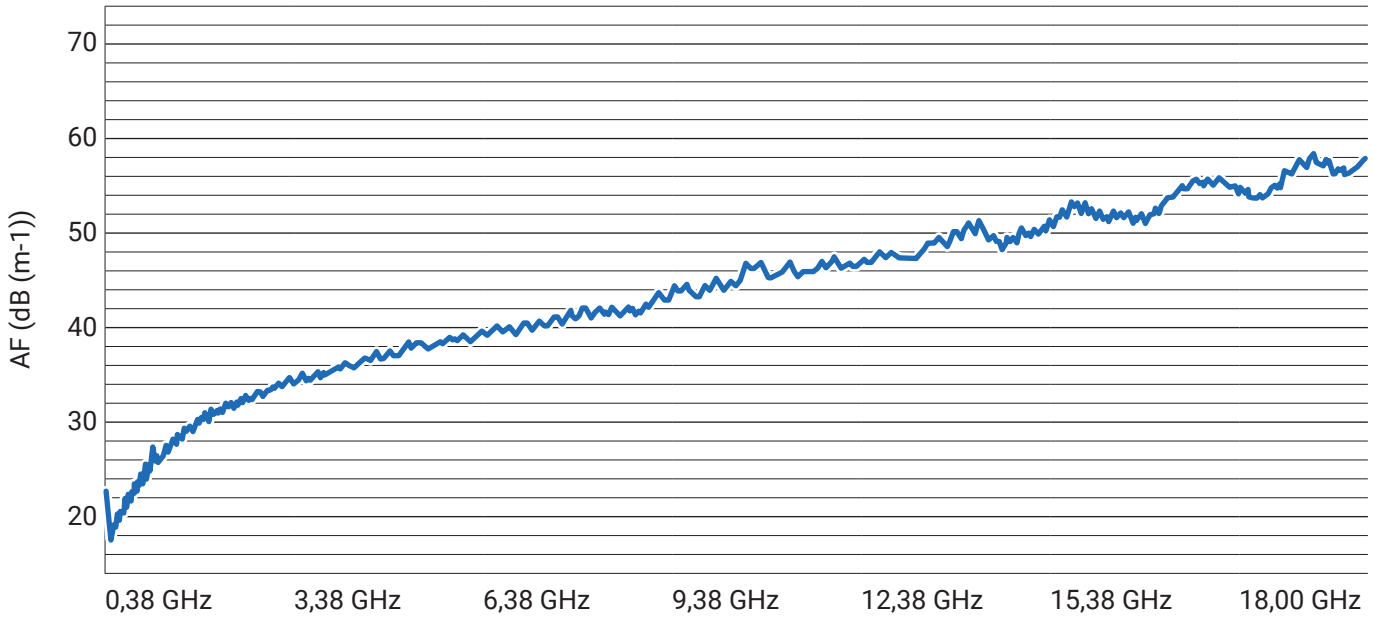
HyperLOG® 30180

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

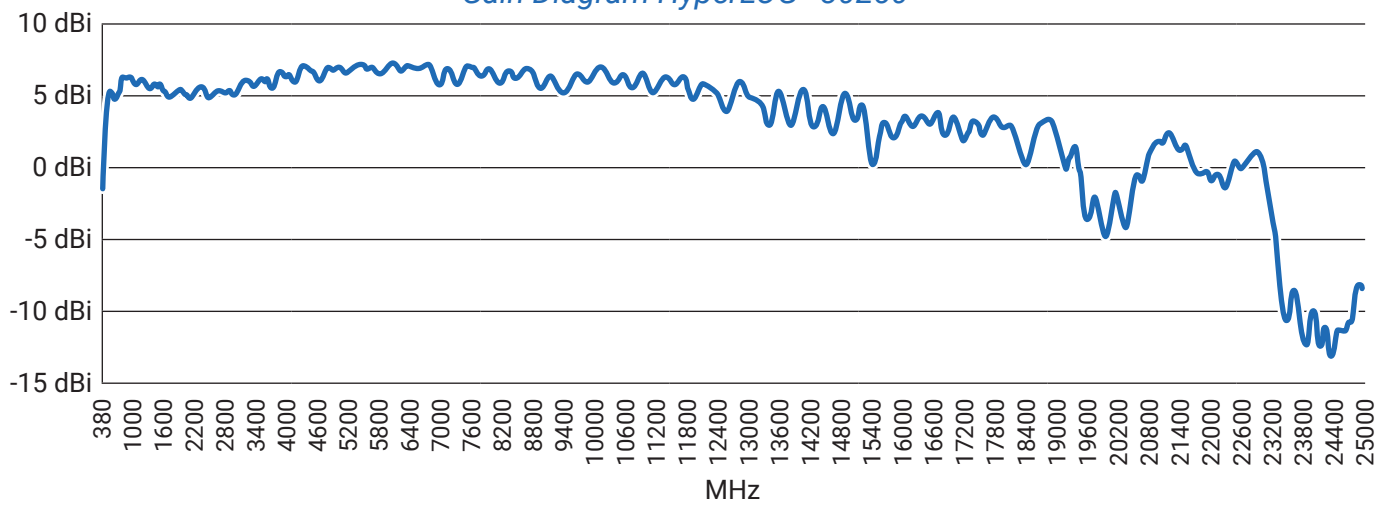


Specifications

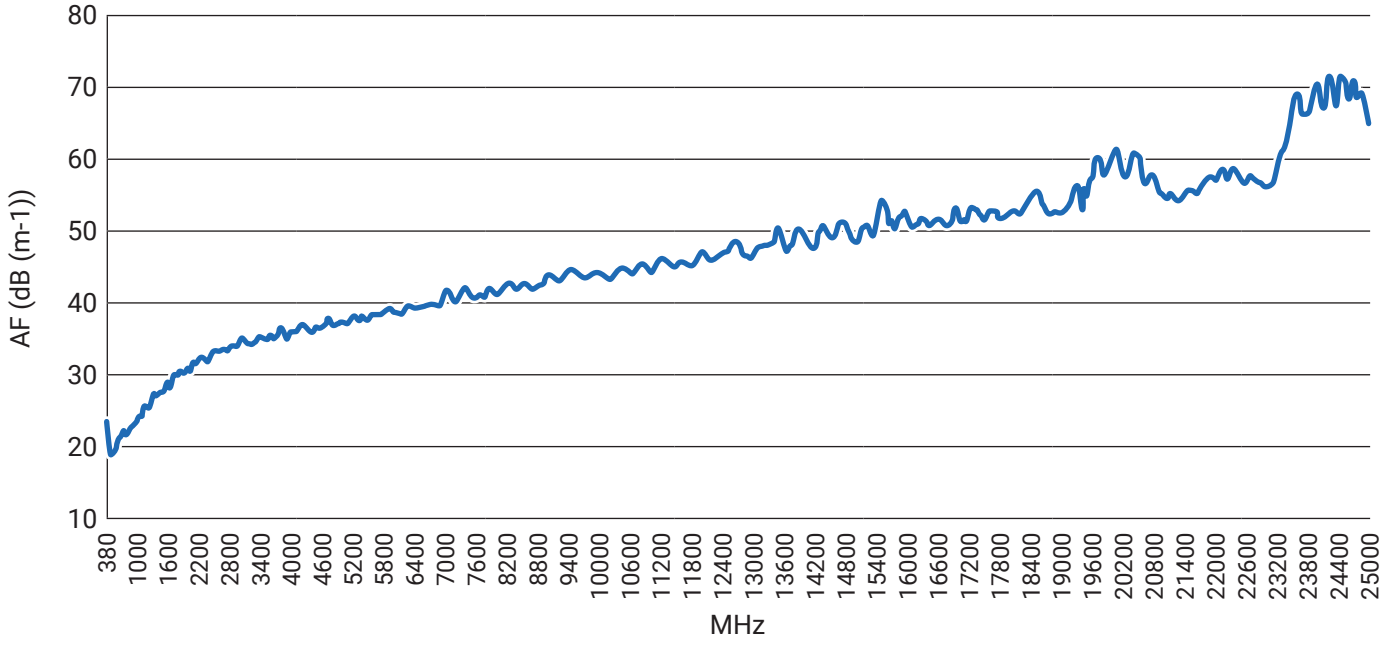
HyperLOG® 30250

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

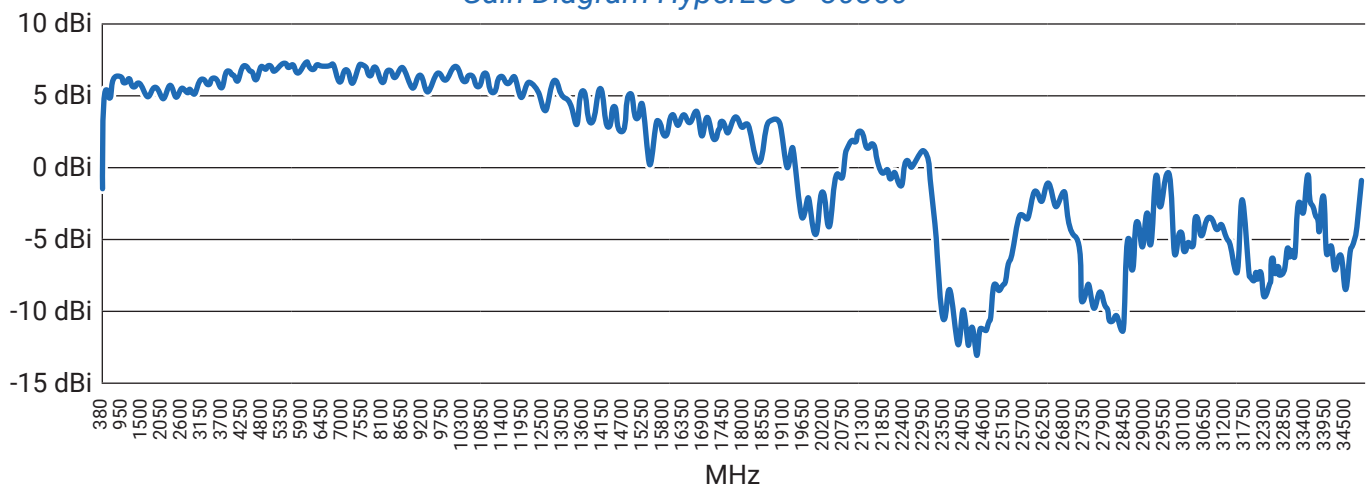


Specifications

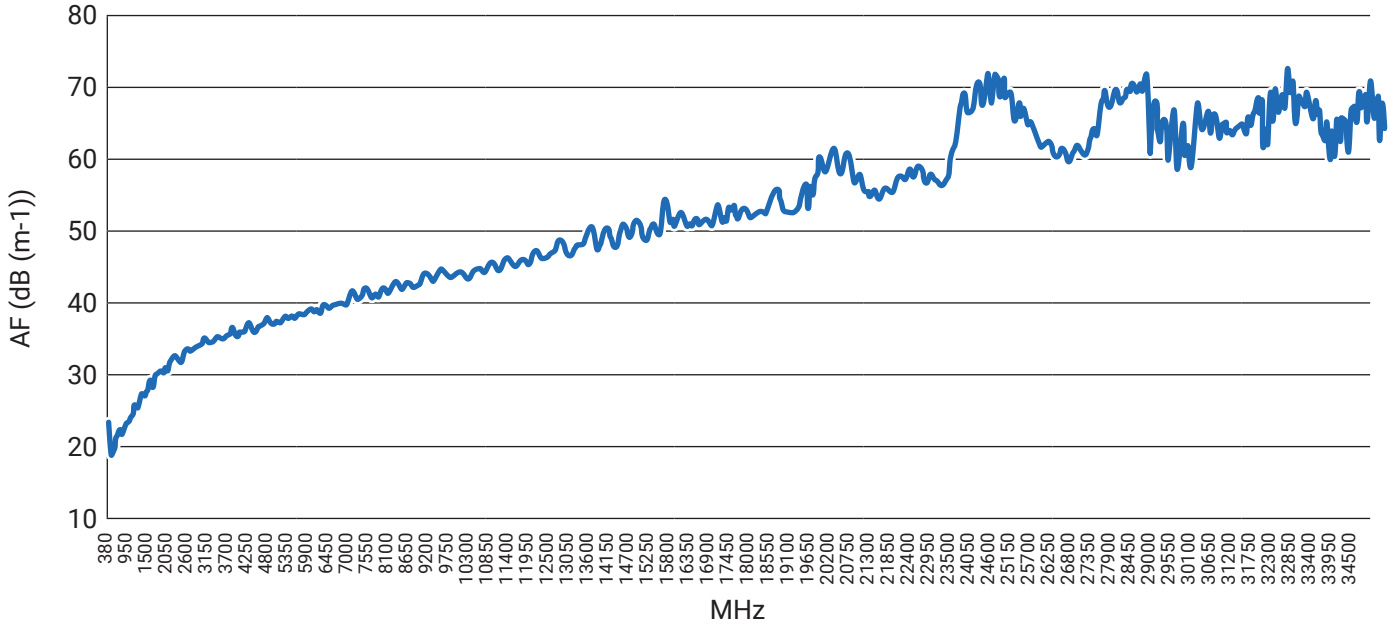
HyperLOG® 30350

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)

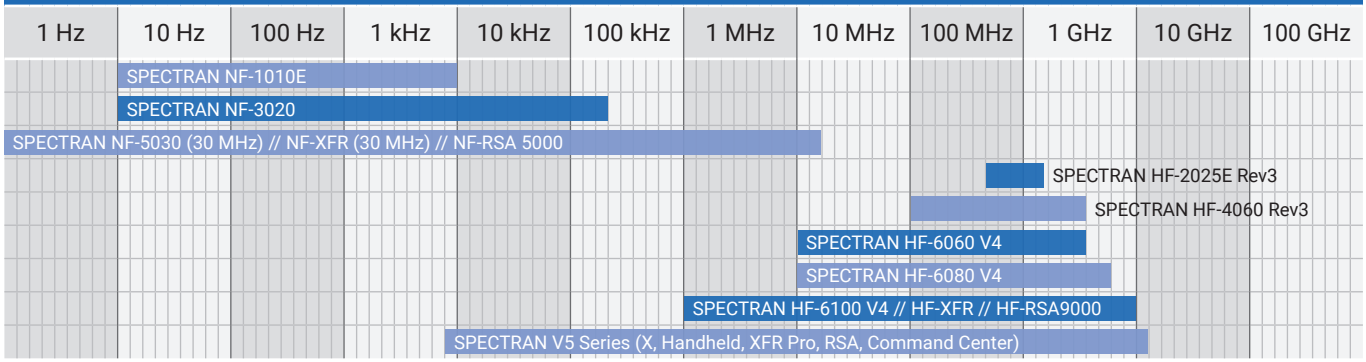
SMA to N Adapter

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).

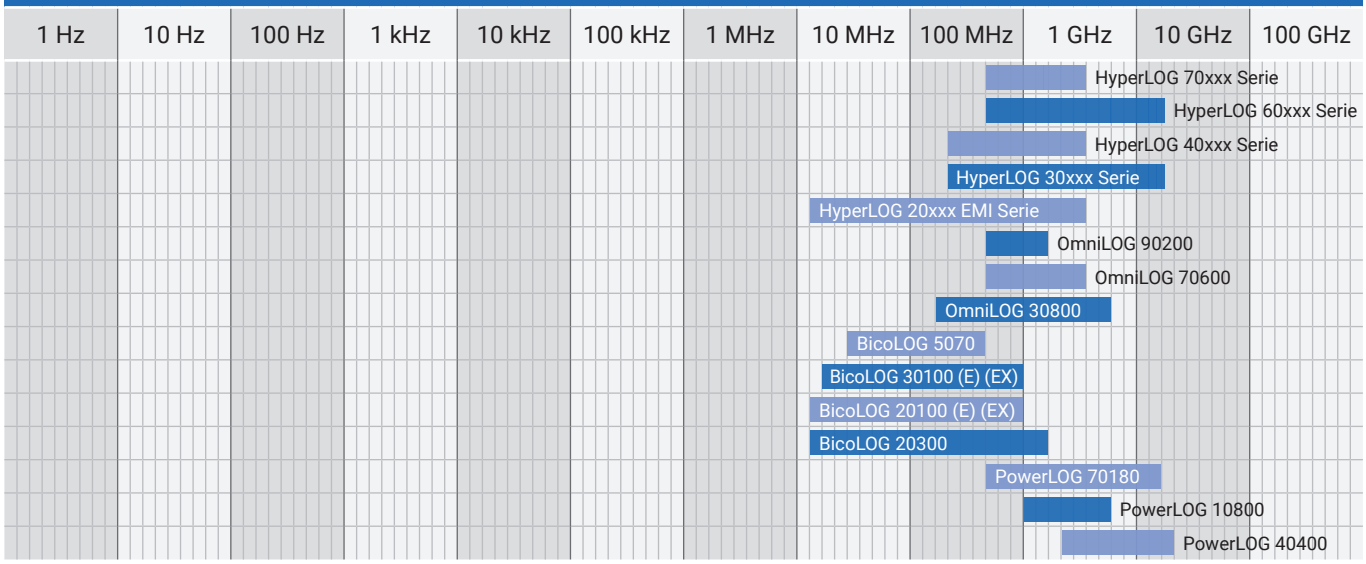
Order/Art.-No.: 502/009

Frequency Overviews

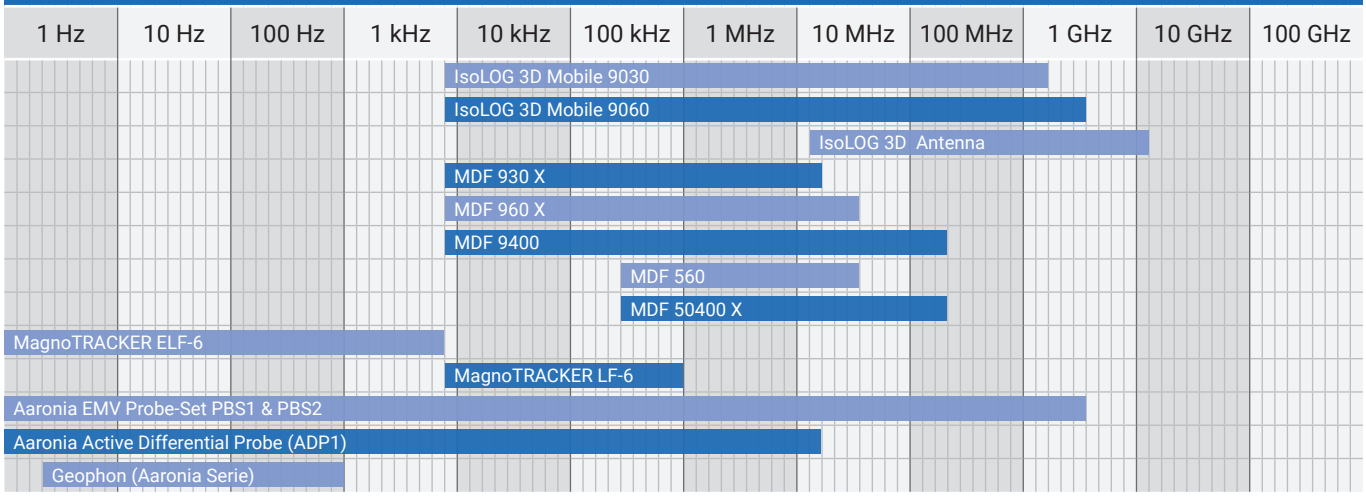
Frequency Overview SPECTRAN® Spectrum Analyzers



Frequency Overview HyperLOG®, BicoLOG® and PowerLOG® Antennas



Frequency Overview IsoLOG® 3D, MDF, MagnoTRACKER® and Probes



REFERENCES

Selected Aaronia Clients

AARONIA AG
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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 Sience (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
- **VIAVI,** Korea
- **Wilkinson Sword,** Germany
- **IBM Deutschland,** Germany
- **Nokia-Siemens Networks,** Germany

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