

LOGPER ANTENNAS

# HYPERLOG<sup>®</sup>

40 SERIES

All-in-one broadband antenna for the entire frequency range from 400 MHz to 6 GHz



✓ Optimal for EMC measurements  
with spectrum analyzers

✓ Polarization can be freely aligned  
✓ Suitable for mobile use

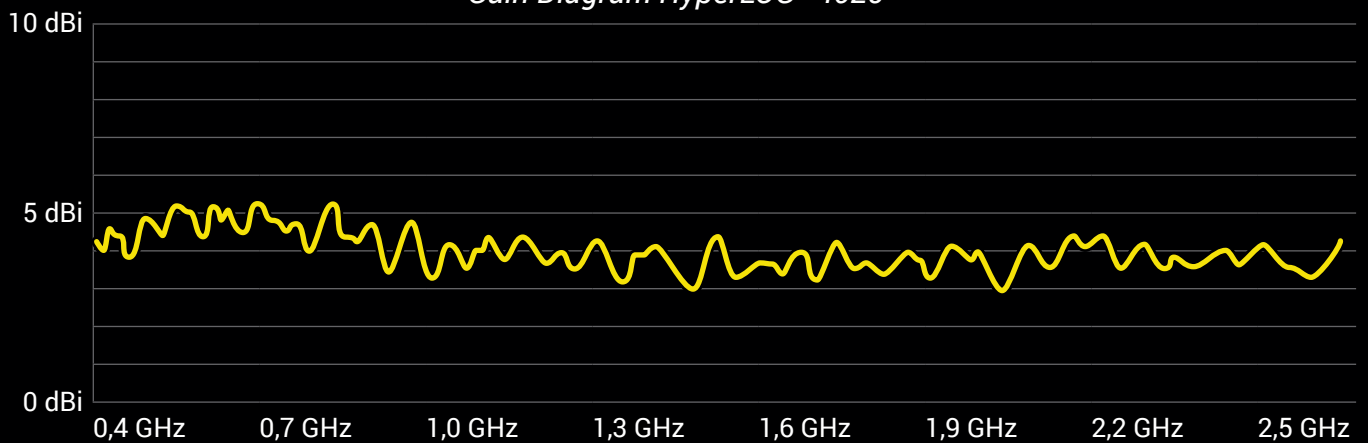


# Specifications

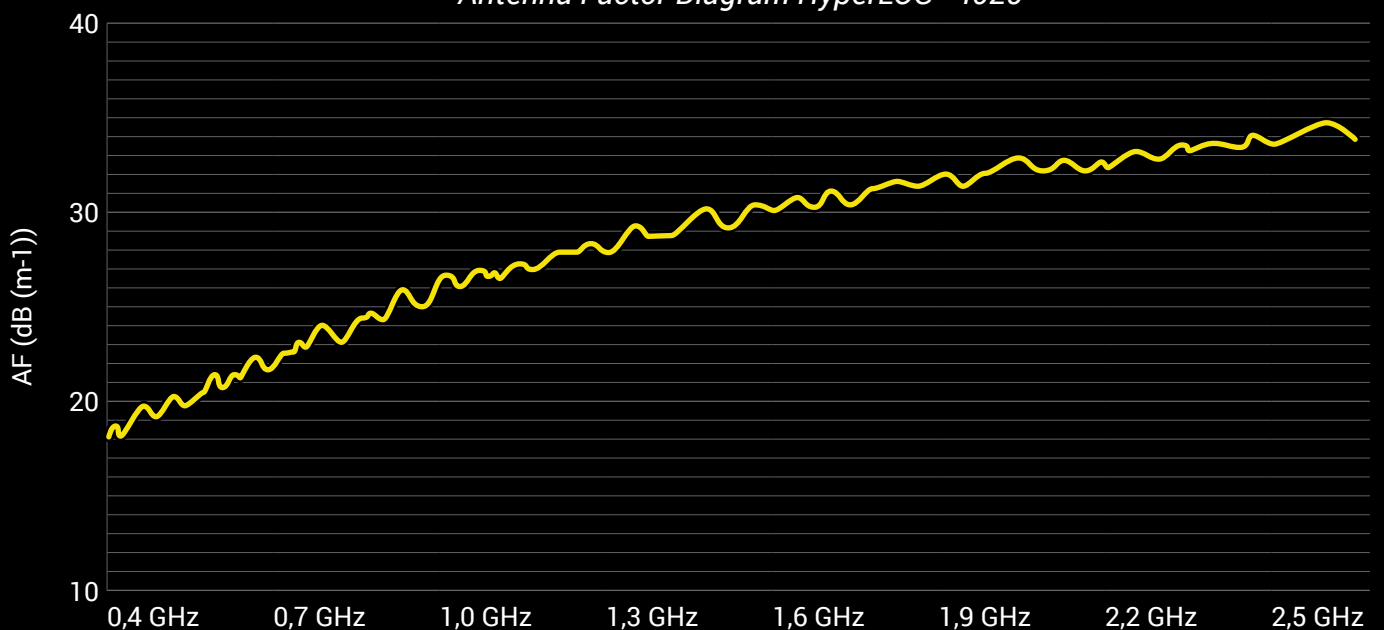
## HyperLOG® 4025

Dimensions [L x W x D]	590 x 360 x 30mm	Nominal Impedance	50 Ohm
Weight	1200g	Calibration Points	211 (10MHz steps)
Design	Log-periodical	VSWR (typ.)	<2
Gain (typ.)	4 dBi	Max. Transmission Power	100 W CW (400 MHz)
RF Connection	SMA (f) or N with adapter (see optional adapter)	Antenna Factor	18 – 34 dB/m
Frequency Range	400 MHz – 2,5 GHz	Warranty	2 years

Gain Diagram HyperLOG® 4025



Antenna Factor Diagram HyperLOG® 4025

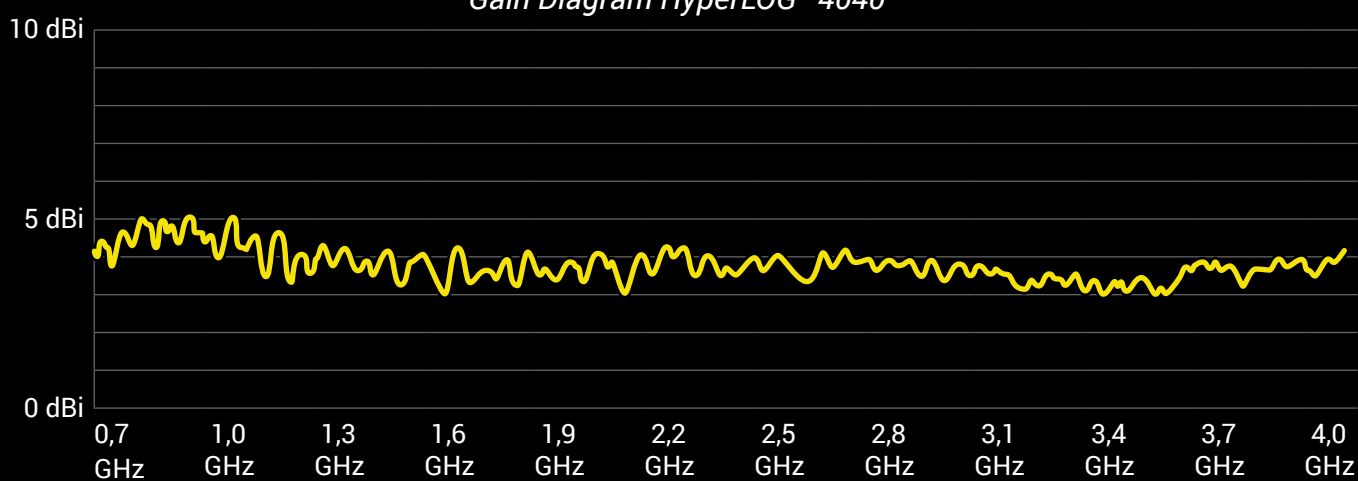


# Specifications

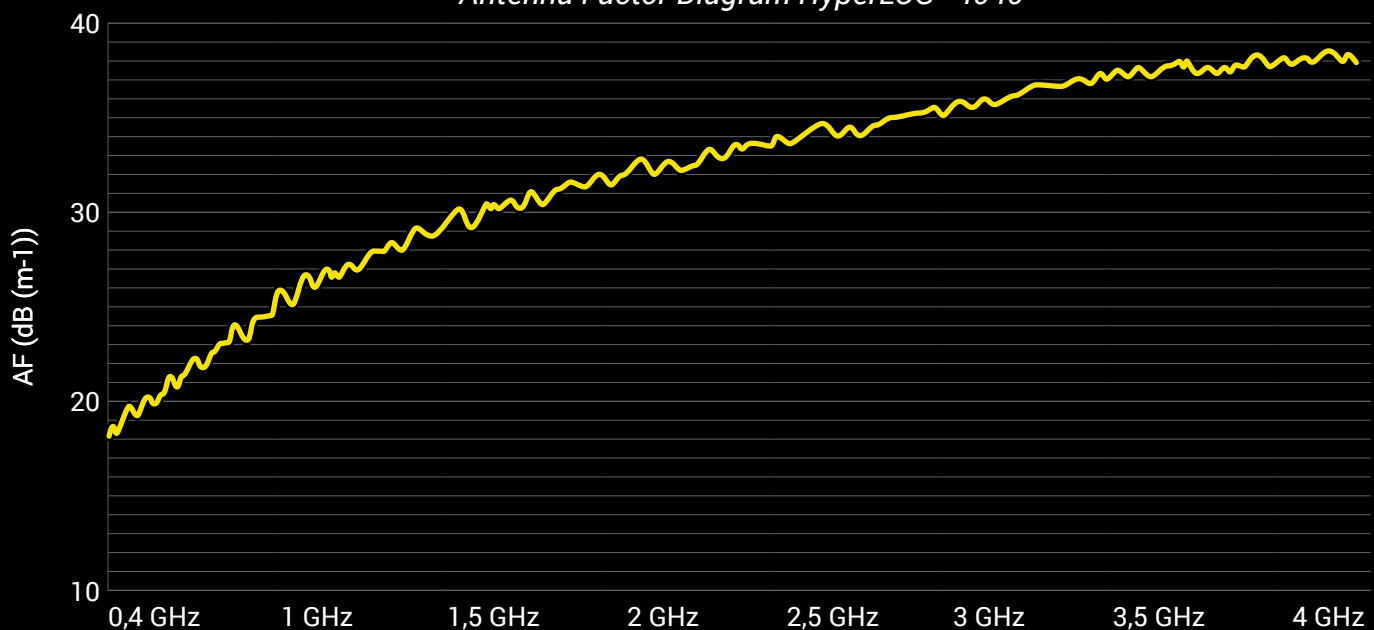
## HyperLOG® 4040

Dimensions [L x W x D]	590 x 360 x 30 mm	Nominal Impedance	50 Ohm
Weight	1200 g	Calibration Points	361 (10 MHz steps)
Design	Log-periodical	VSWR (typ.)	< 2
Gain (typ.)	4 dBi	Max. Transmission Power	100 W CW (400 MHz)
RF Connection	SMA (f) or N with adapter (see optional adapter)	Antenna Factor	18 – 38 dB/m
Frequency Range	400 MHz – 4 GHz	Warranty	2 years

Gain Diagram HyperLOG® 4040



Antenna Factor Diagram HyperLOG® 4040

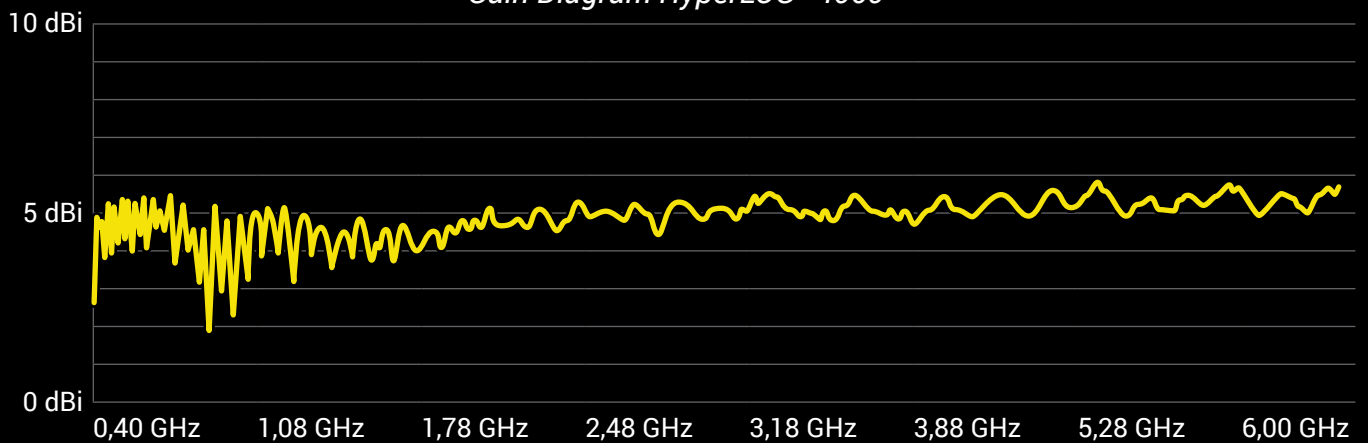


# Specifications

## HyperLOG® 4060

Dimensions [L x W x D]	590 x 360 x 30mm	Nominal Impedance	50 Ohm
Weight	1000g	Calibration Points	561 (10MHz steps)
Design	Log-periodical	VSWR (typ.)	<2
Gain (typ.)	5 dBi	Max. Transmission Power	100 W CW (400 MHz)
RF Connection	SMA (f) or N with adapter (see optional adapter)	Antenna Factor	20 – 40 dB/m
Frequency Range	400 MHz – 6 GHz	Warranty	2 years

Gain Diagram HyperLOG® 4060



Antenna Factor Diagram HyperLOG® 4060



# 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 (10m)



## 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

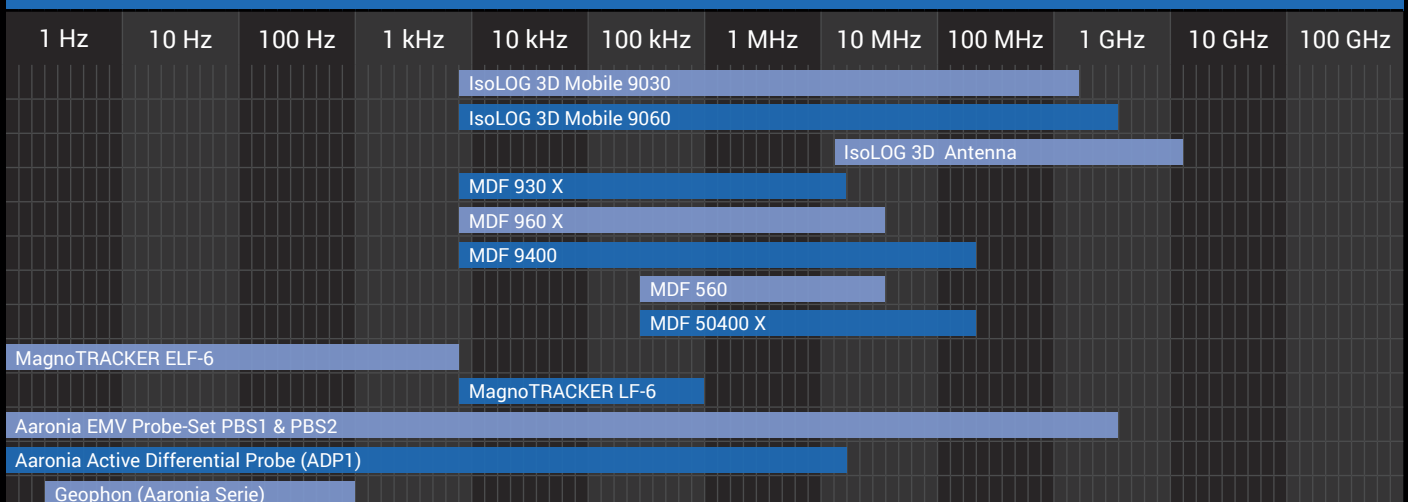
## Frequency Overview SPECTRAN® Spectrum Analyzers



## Frequency Overview HyperLOG®, BicoLOG® and PowerLOG® Antennas



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



# References



## Selected Aaronia Clients

### Government, Military, Aeronautic, Astronautic

- NATO, Belgium
- Department of Defense, USA
- Department of Defense, Australia
- Airbus, Germany
- Boeing, USA
- Bundeswehr, Germany
- NASA, USA
- Lockheed Martin, USA
- Lufthansa, Germany
- DLR, Germany
- Eurocontrol, Belgium
- EADS, Germany
- DEA, USA
- FBI, USA
- BKA, Germany
- Federal Police, Germany
- Ministry of Defense, Netherlands

### Research/Development, Science and Universities

- MIT – Physics Department, USA
- California State University, USA
- Indonesian Institute of Sciences, Indonesia
- Los Alamos National Laboratory, 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 Athens, 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, Germany
- CNN, USA
- Duracell, USA
- German Telekom, Germany
- Bank of Canada, Canada
- NBC News, USA
- Sony, Germany
- Anritsu, Germany
- Hewlett Packard, Germany
- Robert 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

