LOGPER ANTENNAS

HYPERLOG®

60 SERIES

All-in-one log-periodic antenna for the entire frequency range from 680 MHz to 35 GHz



- ✔ Compatible with any spectrum analyzer or TSCM receiver
- ✔ High-tech TEFLON antenna support
- ✔ Polarization can be freely aligned
- ✔ Suitable for mobile use

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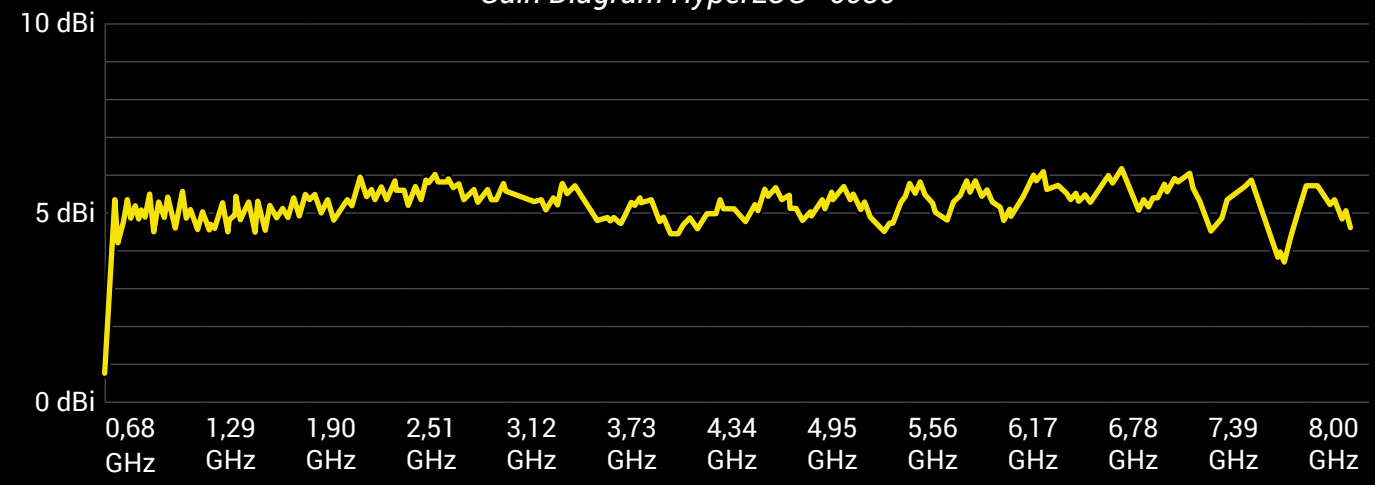
MADE IN GERMANY

Specifications

HyperLOG® 6080

Dimensions [L x W x D]	340 x 200 x 25 mm	Nominal Impedance	50 Ohm
Weight	250 g	Calibration Points	733 (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	22 – 44 dB/m
Frequency Range	680 MHz – 8 GHz	Warranty	2 years

Gain Diagram HyperLOG® 6080



Antenna Factor Diagram HyperLOG® 6080



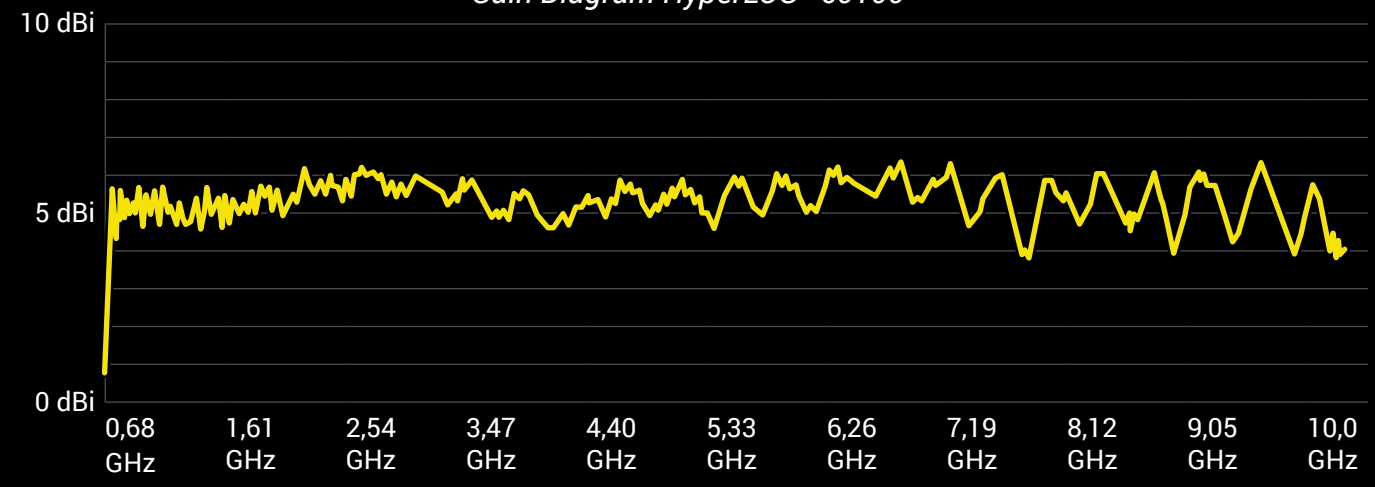
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Specifications

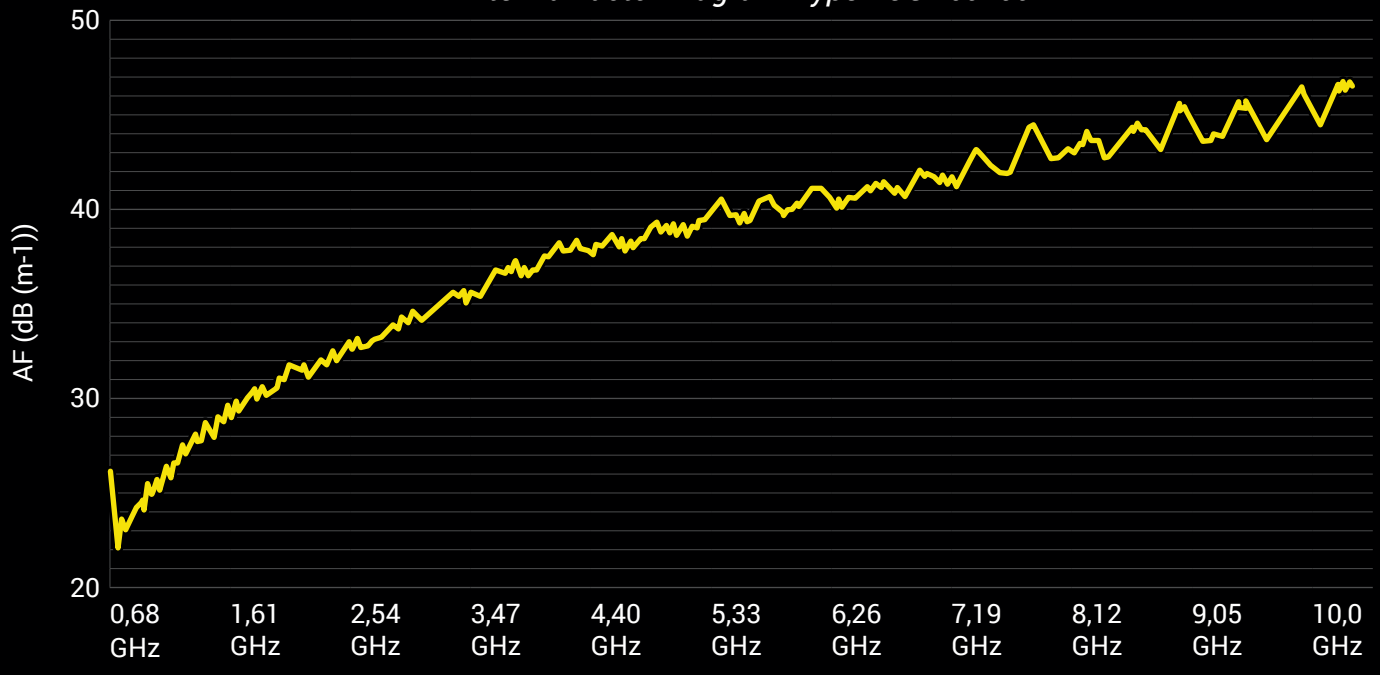
HyperLOG® 60100

Dimensions [L x W x D]	340 x 200 x 25 mm	Nominal Impedance	50 Ohm
Weight	250 g	Calibration Points	933 (10 MHz steps)
Design	Log-periodical	VSWR (typ.)	< 2,5
Gain (typ.)	5 dBi	Max. Transmission Power	50 W CW (800 MHz)
RF Connection	SMA (f)	Antenna Factor	22 – 46 dB/m
Frequency Range	680 MHz – 10 GHz	Warranty	2 years

Gain Diagram HyperLOG® 60100



Antenna Factor Diagram HyperLOG® 60100

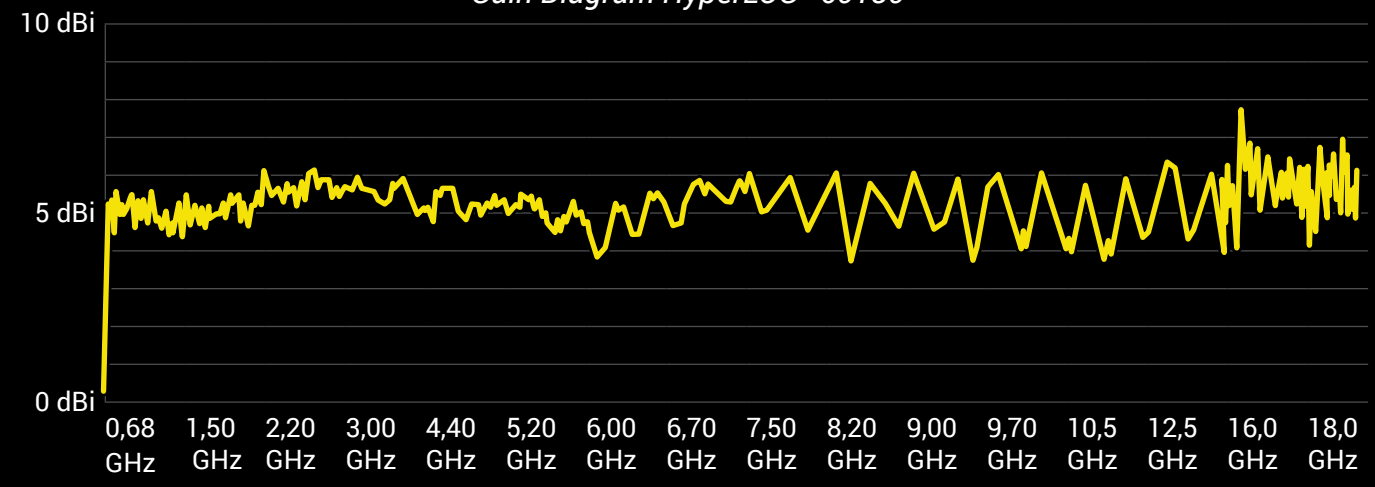


Specifications

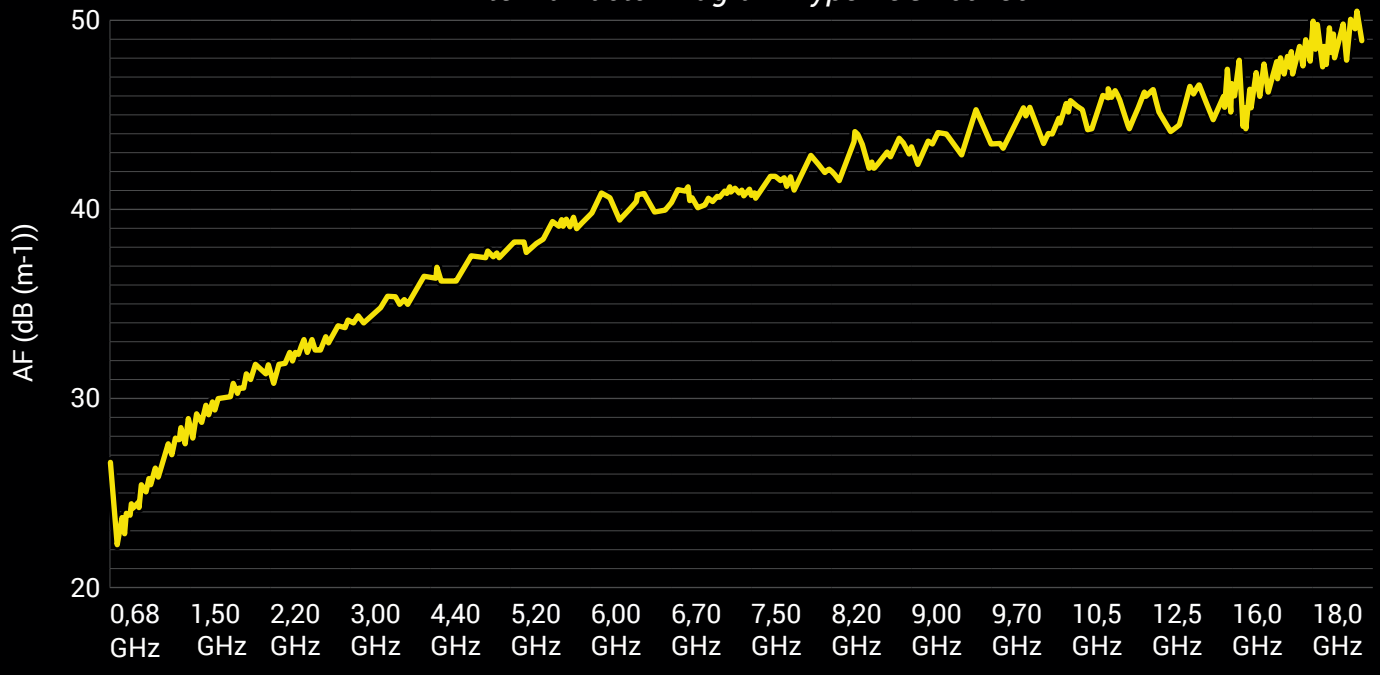
HyperLOG® 60180

Dimensions [L x W x D]	340 x 200 x 25 mm	Nominal Impedance	50 Ohm
Weight	250 g	Calibration Points	1733 (10 MHz steps)
Design	Log-periodical	VSWR (typ.)	< 2,5
Gain (typ.)	5 dBi	Max. Transmission Power	50 W CW (800 MHz)
RF Connection	SMA (f)	Antenna Factor	22 – 50 dB/m
Frequency Range	680 MHz – 18 GHz	Warranty	2 years

Gain Diagram HyperLOG® 60180



Antenna Factor Diagram HyperLOG® 60180



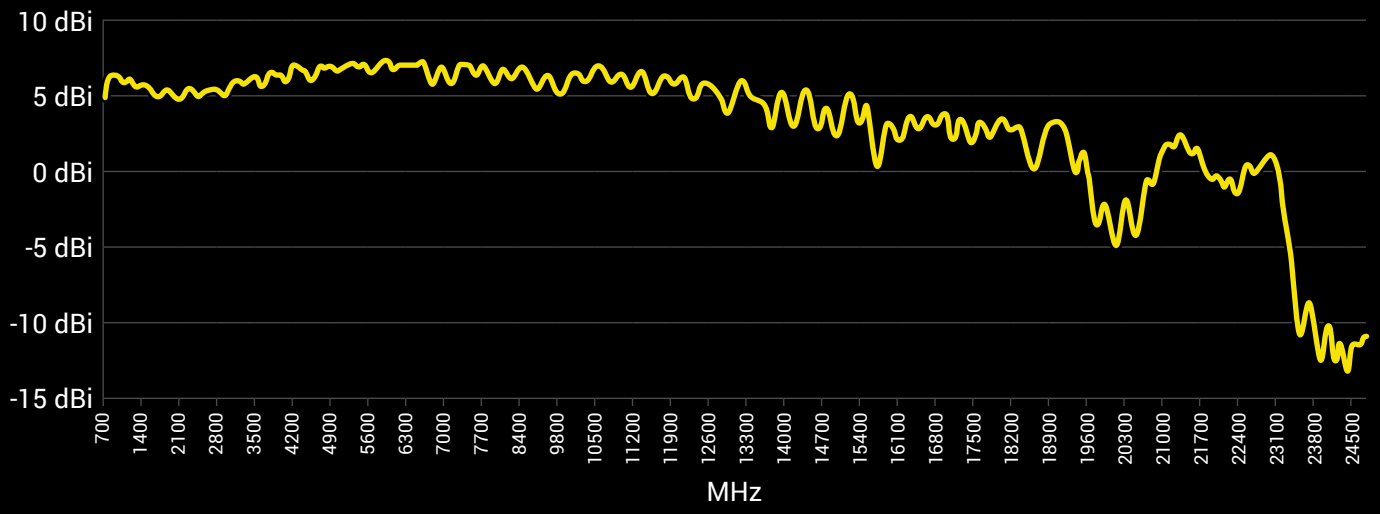
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Specifications

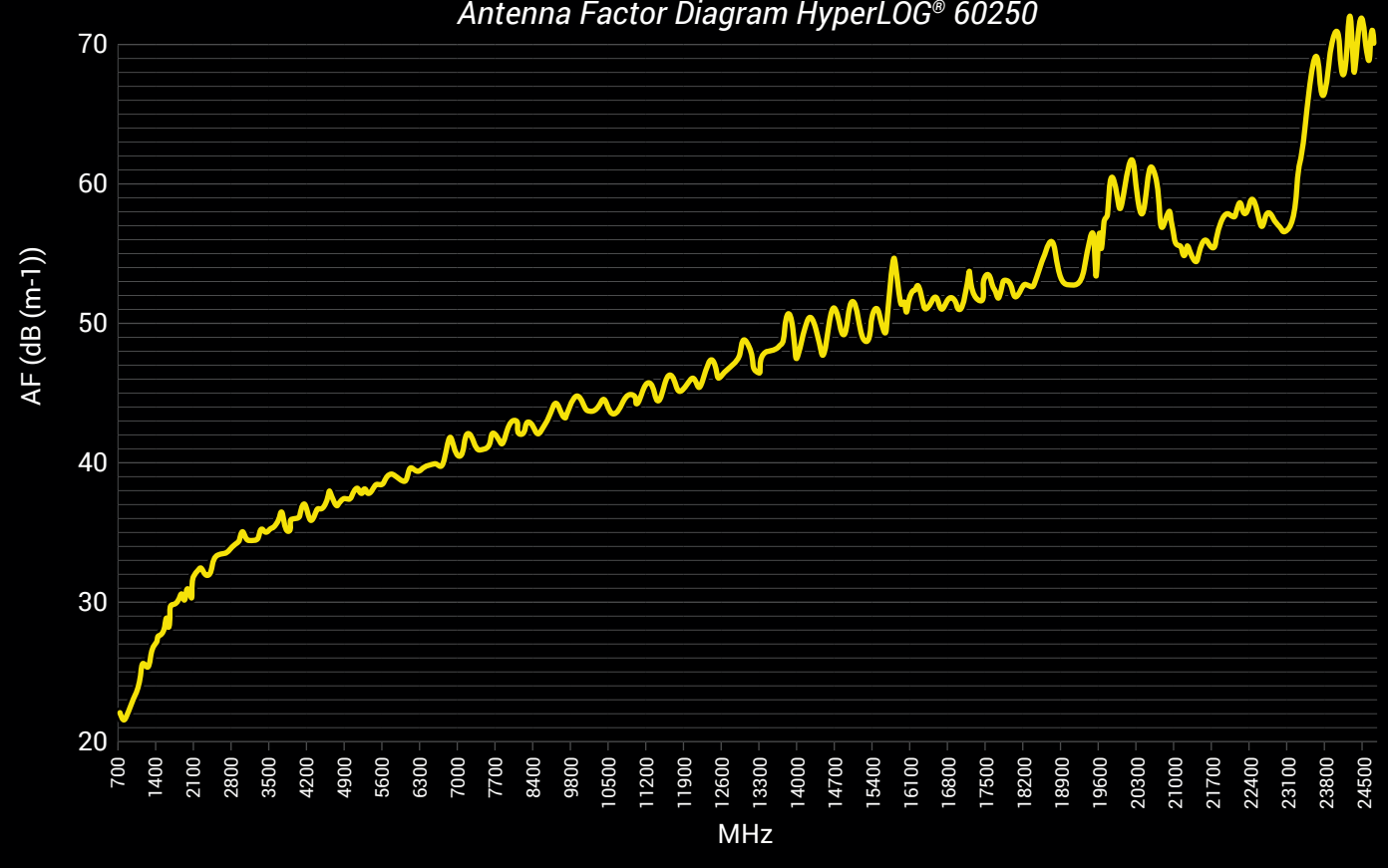
HyperLOG® 60250 (No longer available)

Dimensions [L x W x D]	340 x 200 x 25 mm	Nominal Impedance	50 Ohm
Weight	250 g	Calibration Points	487 (50 MHz steps)
Design	Log-periodical	VSWR (typ.)	< 2,5
Gain (typ.)	5 dBi	RF Connection	K (2.92mm)
Frequency Range	680 MHz – 25 GHz	Warranty	2 years

Gain Diagram HyperLOG® 60250



Antenna Factor Diagram HyperLOG® 60250

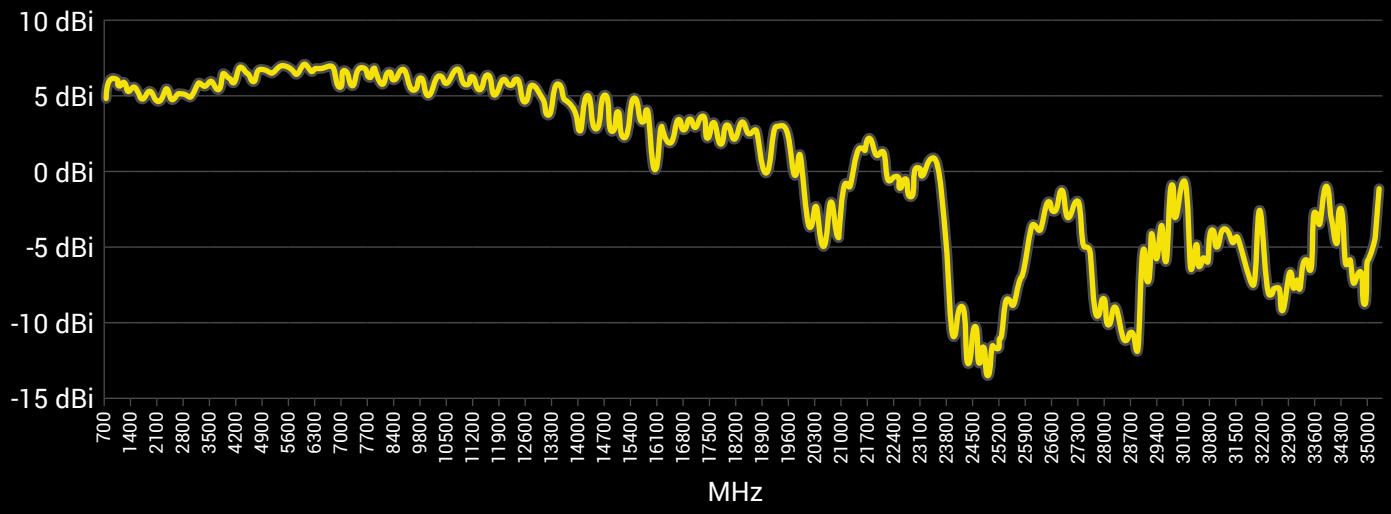


Specifications

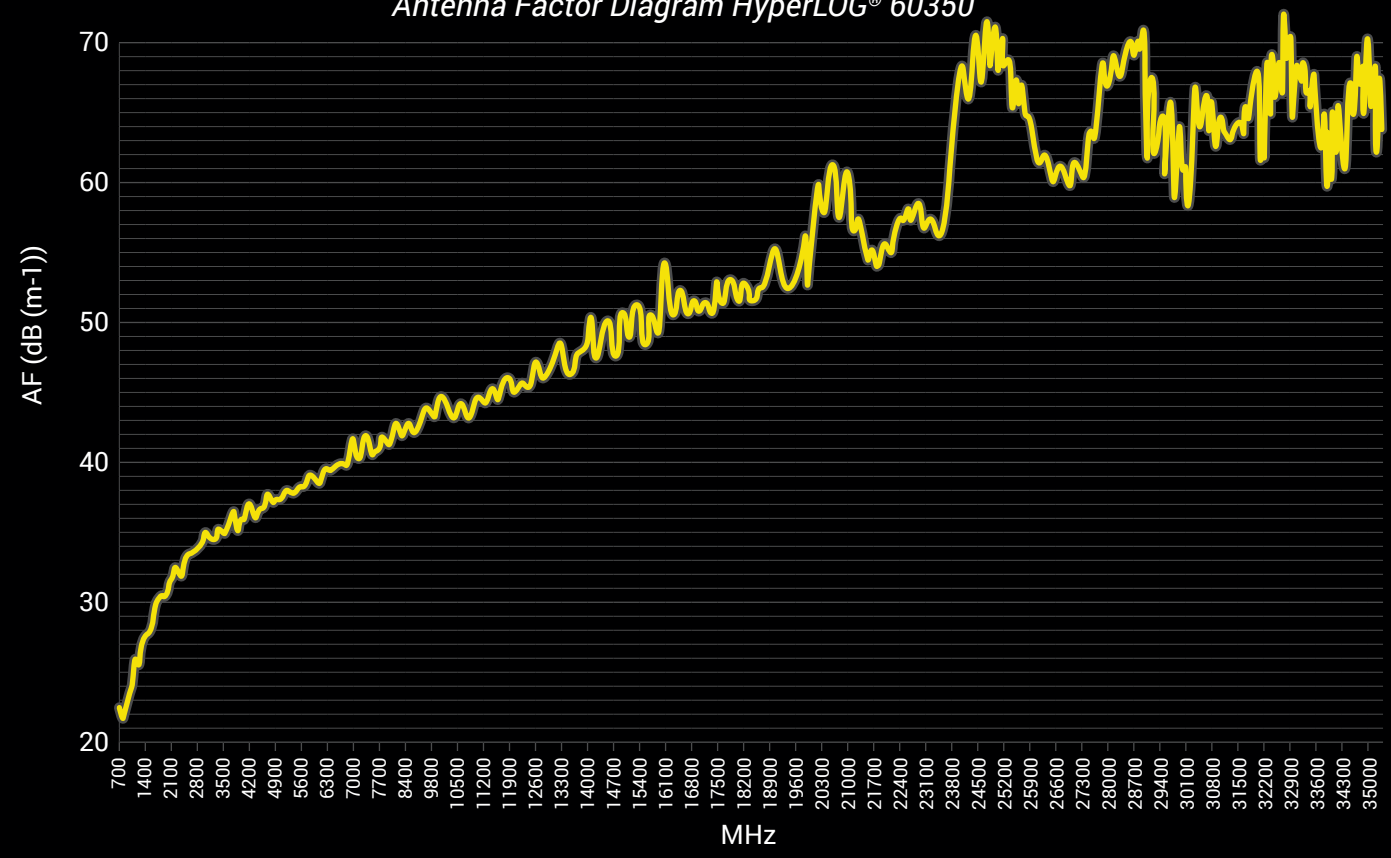
HyperLOG® 60350 (No longer available)

Dimensions [L x W x D]	340 x 200 x 25 mm	Nominal Impedance	50 Ohm
Weight	250 g	Calibration Points	687 (50 MHz steps)
Design	Log-periodical	VSWR (typ.)	< 2,5
Gain (typ.)	5 dBi	RF Connection	K (2.92mm)
Frequency Range	680 MHz – 35 GHz	Warranty	2 years

Gain Diagram HyperLOG® 60350



Antenna Factor Diagram HyperLOG® 60350



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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)



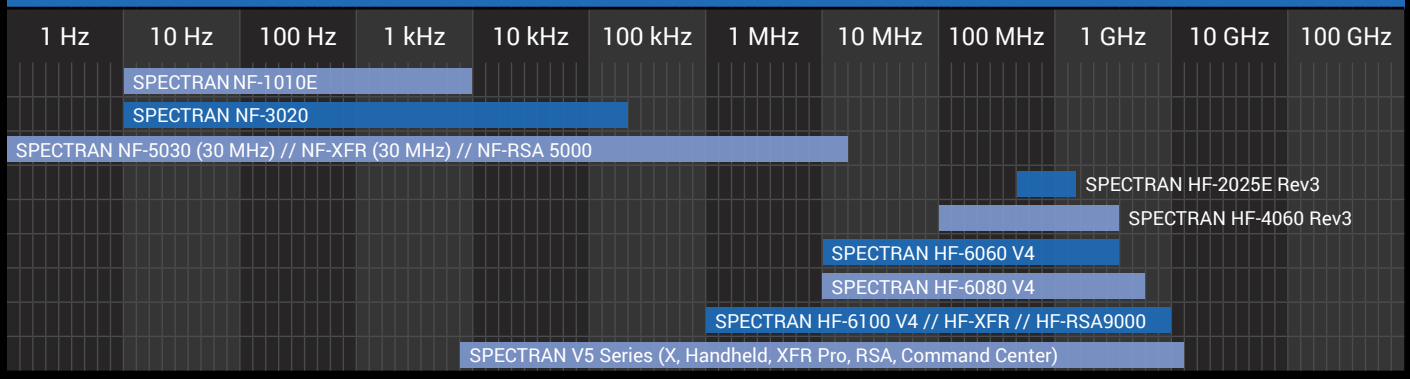
SMA to N Adapter

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).

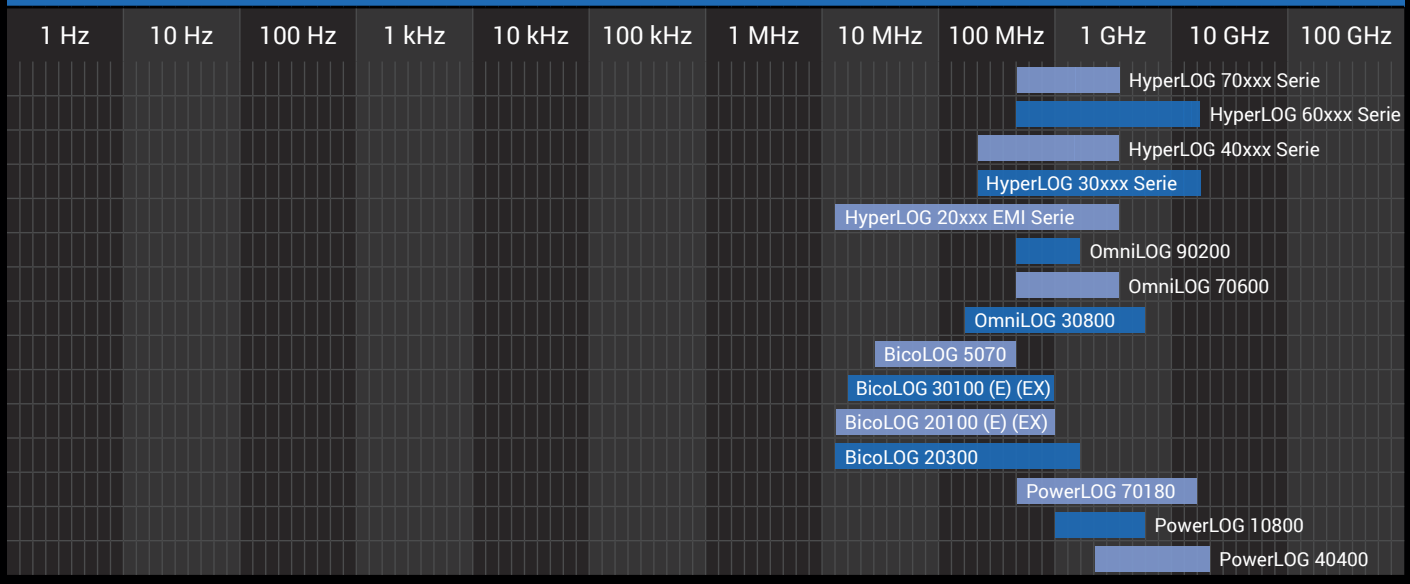
Order/Art.-No.: 502/009

Frequency Overviews

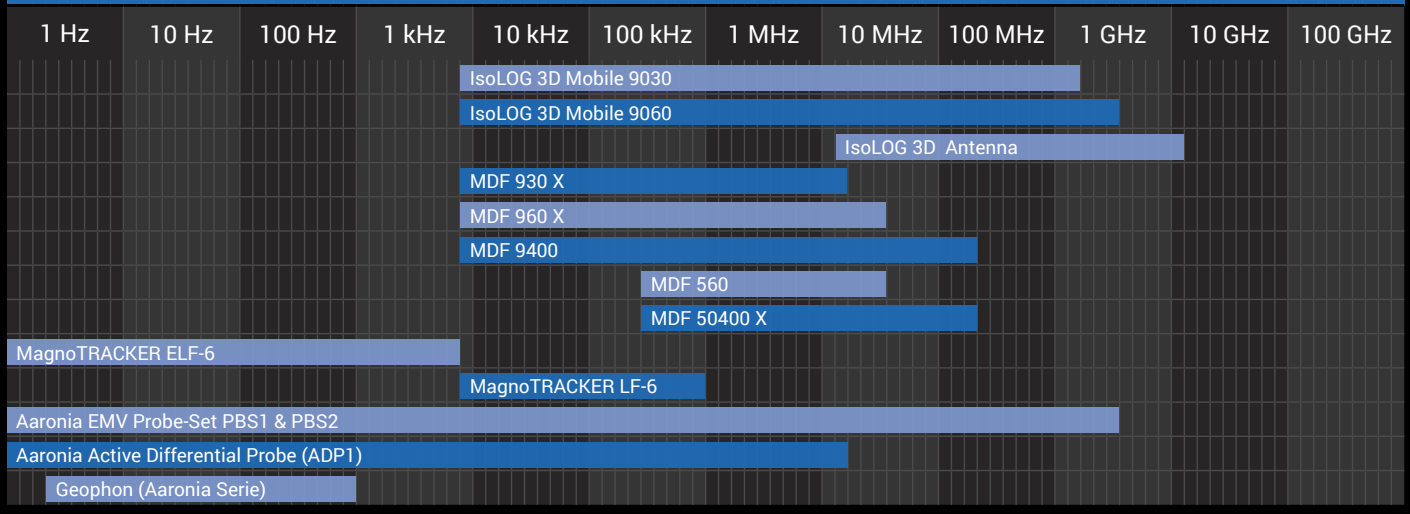
Frequency Overview SPECTRAN® Spectrum Analyzers



Frequency Overview HyperLOG®, BicoLOG® and PowerLOG® Antennas



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



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References

Selected Aaronia Clients

AARONIA AG
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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

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