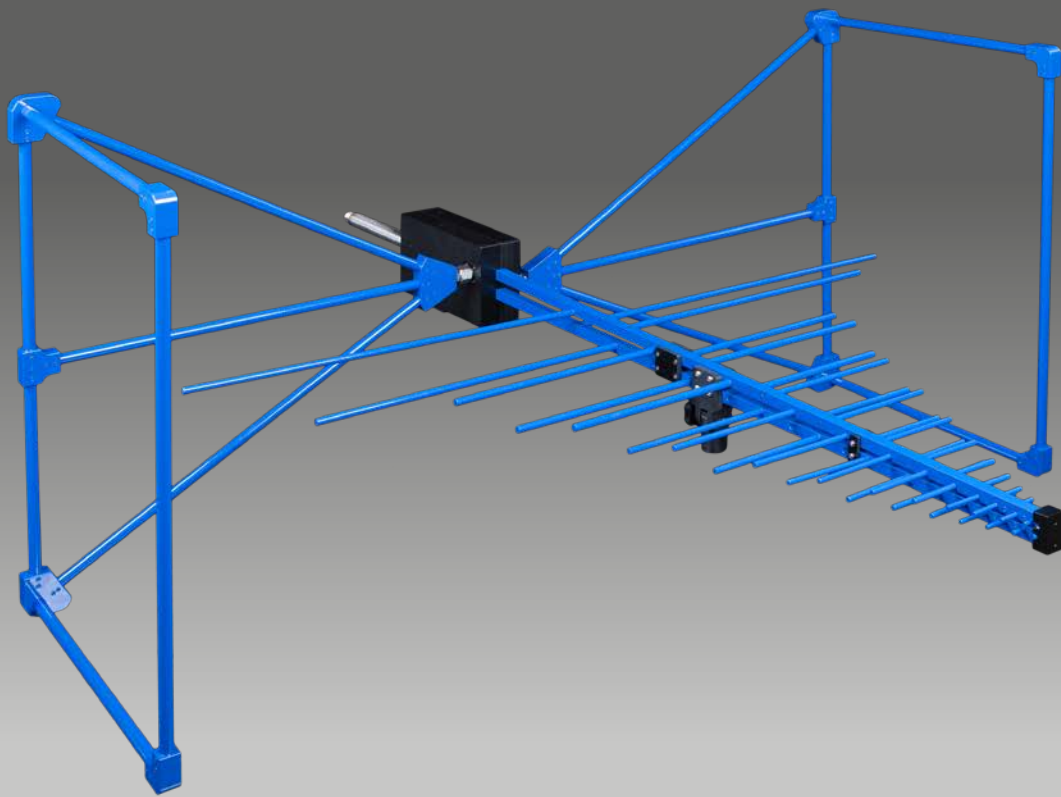


EMC REFERENCE ANTENNAS

HYPERLOG[®]

EMI SERIES

EMC broadband antennas for the entire frequency range from 20 MHz to 6 GHz



Highlights:

- Reference antennas with 0,3 dB accuracy
- Compatible with any spectrum analyzer
- Perfect for pre- and full compliance tests

**AARONIA AG**
WWW.AARONIA.DE



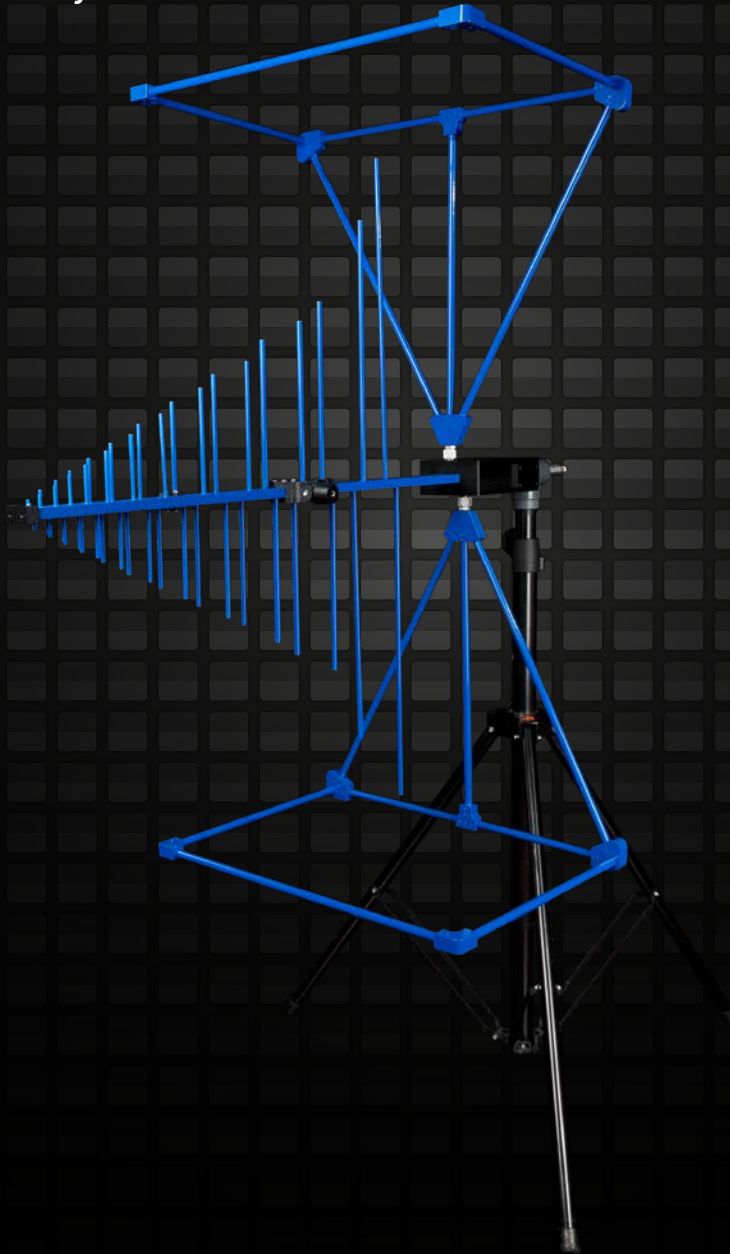
Gewerbegebiet Aaronia AG II, DE-54597 Strickscheid
Tel.: +49(0)6556-9019-355 Fax: +49(0)6556-93034
www.aaronia.com E-Mail: mail@aaronia.de



MADE IN GERMANY

Highlights

- ✓ Perfect for EMC / EMI pre- and full compliance tests as well as immunity measuring
- ✓ Extremely high accuracy of 0,3 dB
- ✓ Works with any spectrum analyzer, regardless of brand
- ✓ Specific calibration data included
- ✓ Max. input power: 310 W AM
- ✓ Dimensions [L x W x D]: 1300 x 1170 x 595 mm
- ✓ Weight: 6,5 kg
- ✓ Made in Germany



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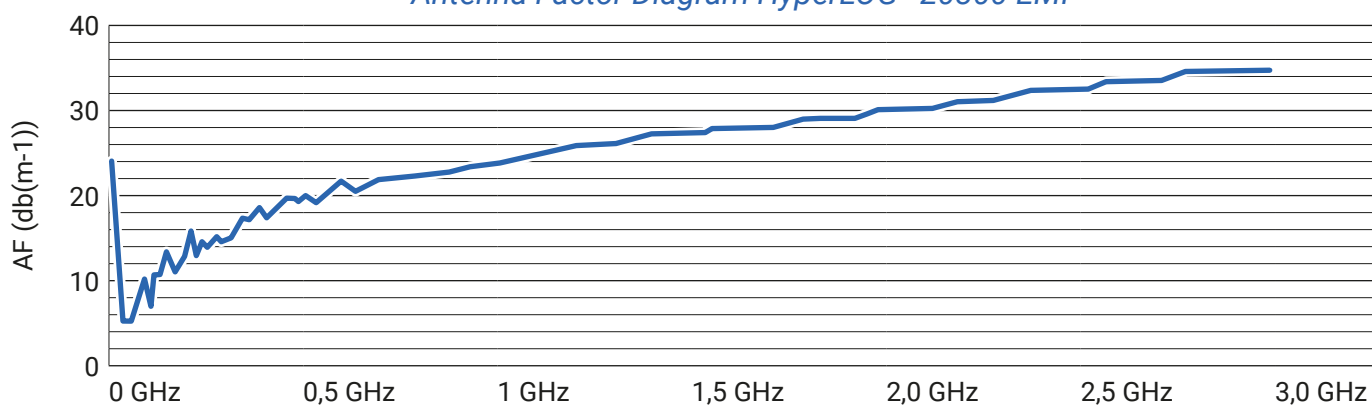
MADE IN GERMANY

Specifications

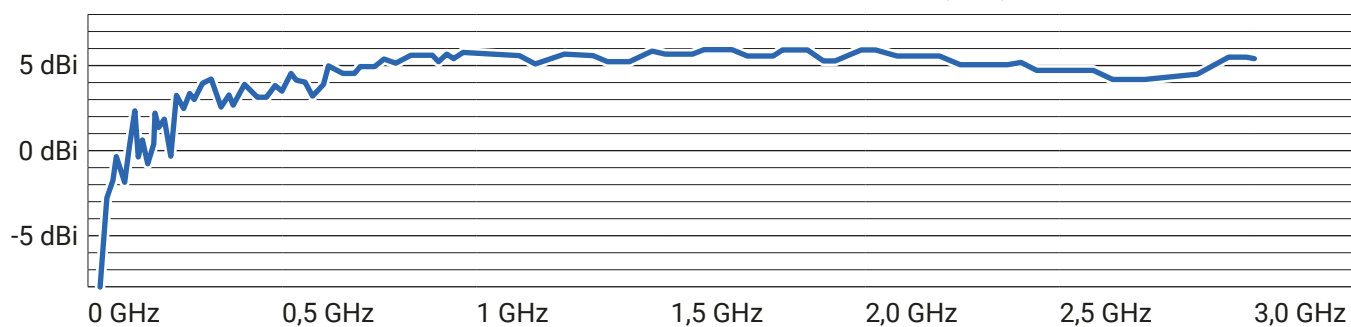
HyperLOG® 20300 EMI

Dimensions [L x W x D]	1300 x 1170 x 595 mm	Nominal Impedance	50 Ohm
Weight	6,5 kg	Calibration Points	2970 (1 MHz steps)
Design	Biconical and log-periodical	VSWR (typ.)	< 2:1
Gain (typ.)	8 dBi	Accuracy	0,3 dB
Frequency Range	20 MHz – 3 GHz	Max. Input Power	310 W AM
RF Output	N female	Warranty	2 years

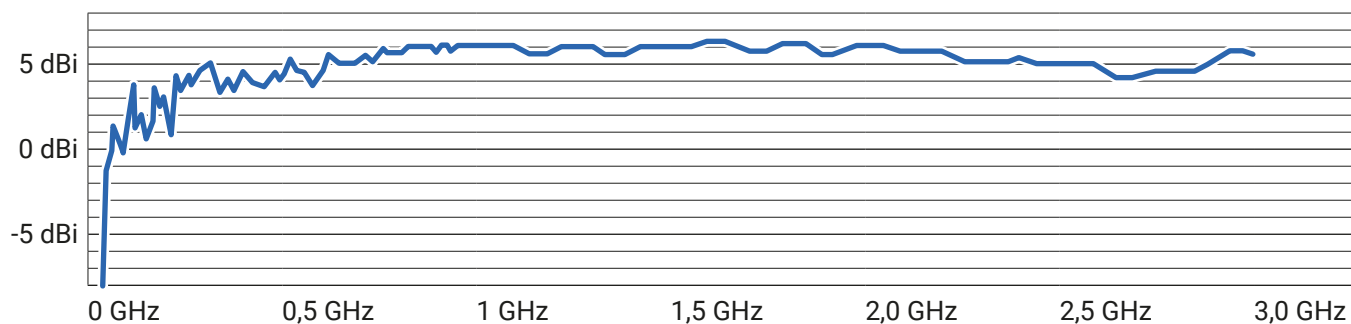
Antenna Factor Diagram HyperLOG® 20300 EMI



Gain Diagram HyperLOG® 20300 EMI (3 m)



Gain Diagram HyperLOG® 20300 EMI (10 m)

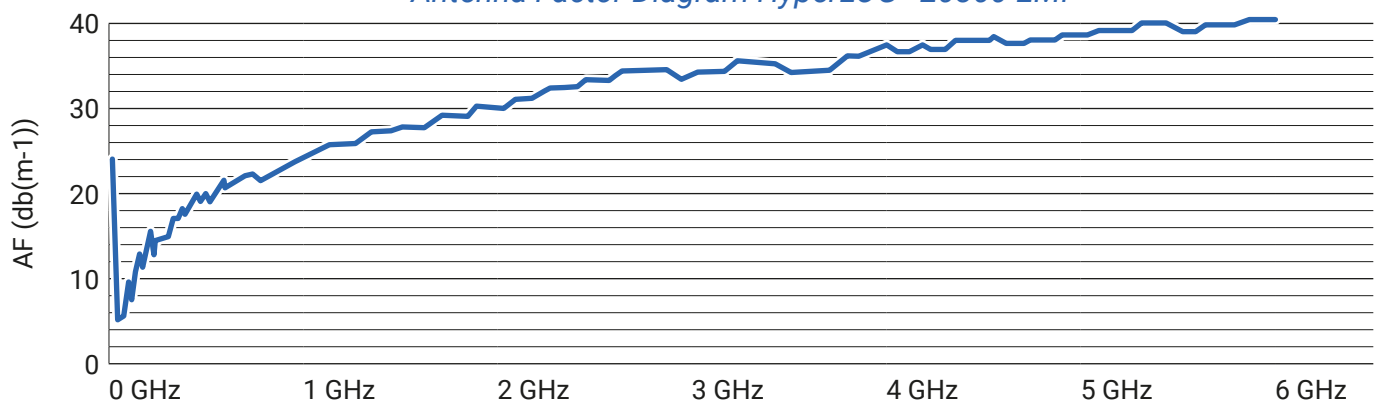


Specifications

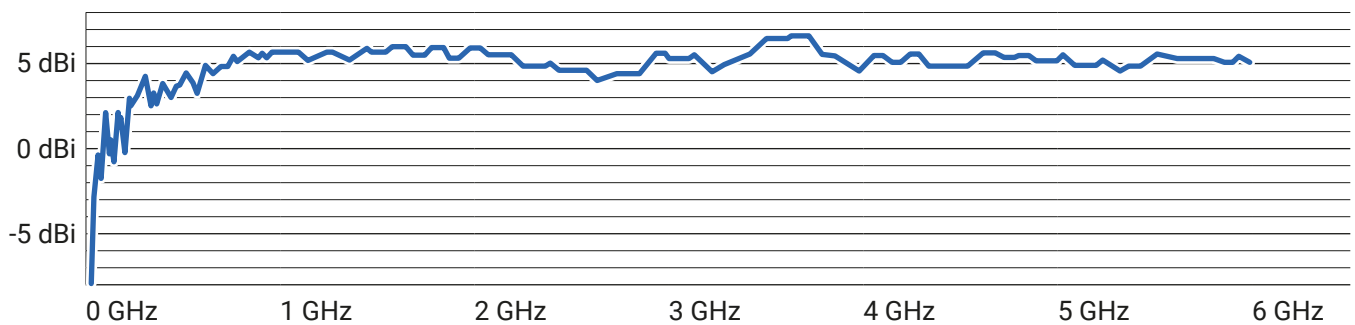
HyperLOG® 20600 EMI

Dimensions [L x W x D]	1300 x 1170 x 595 mm	Nominal Impedance	50 Ohms
Weight	6,5 kg	Calibration Points	5970 (1 MHz steps)
Design	Biconical and log-periodical	VSWR (typ.)	< 2:1
Gain (typ.)	8 dBi	Accuracy	0,3 dB
Frequency Range	20 MHz – 6 GHz	Max. Input Power	310 W AM
RF Output	N female	Warranty	2 years

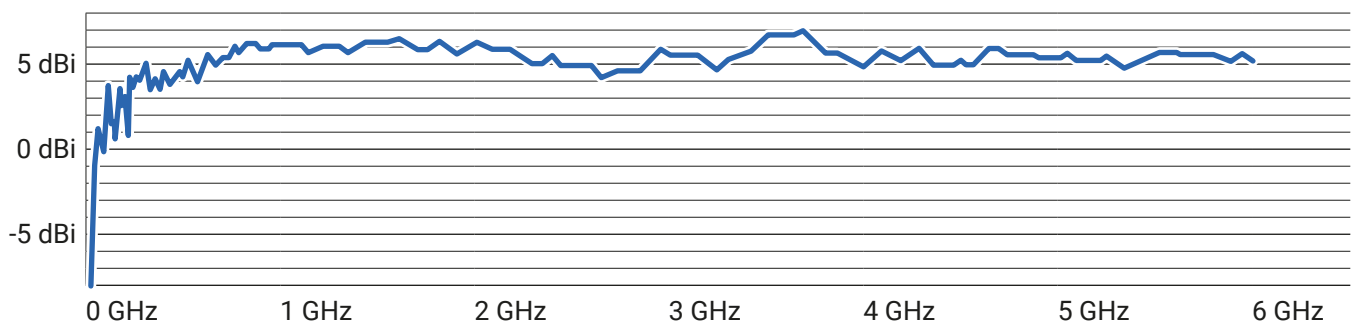
Antenna Factor Diagram HyperLOG® 20300 EMI



Gain Diagram HyperLOG® 20600 EMI (3 m)



Gain Diagram HyperLOG® 20600 EMI (10 m)



Recommended Accessories

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.: 771 (1 m), 772 (5 m), 773 (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.: 770

Laser Pointer

Laser pointer for pinpointing any RF source, even in bright daylight. Available as 150 mW power version (green laser). Easy to install on top of any HyperLOG® X antenna. Connector and screws included.

Order/Art.-No.: 791 (150 mW)

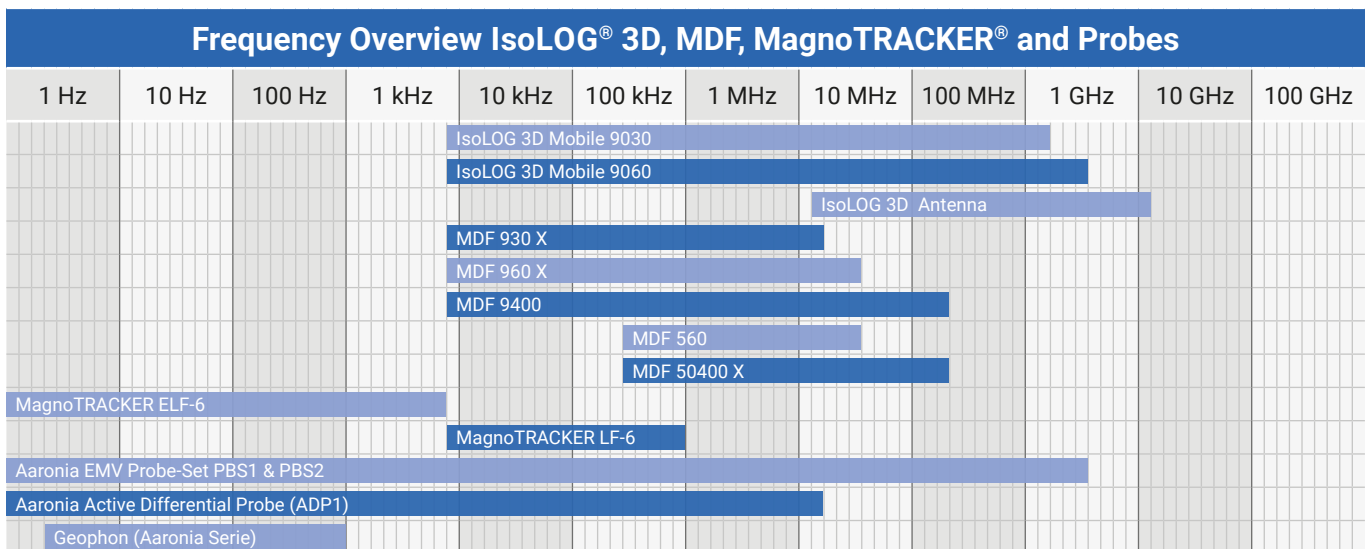
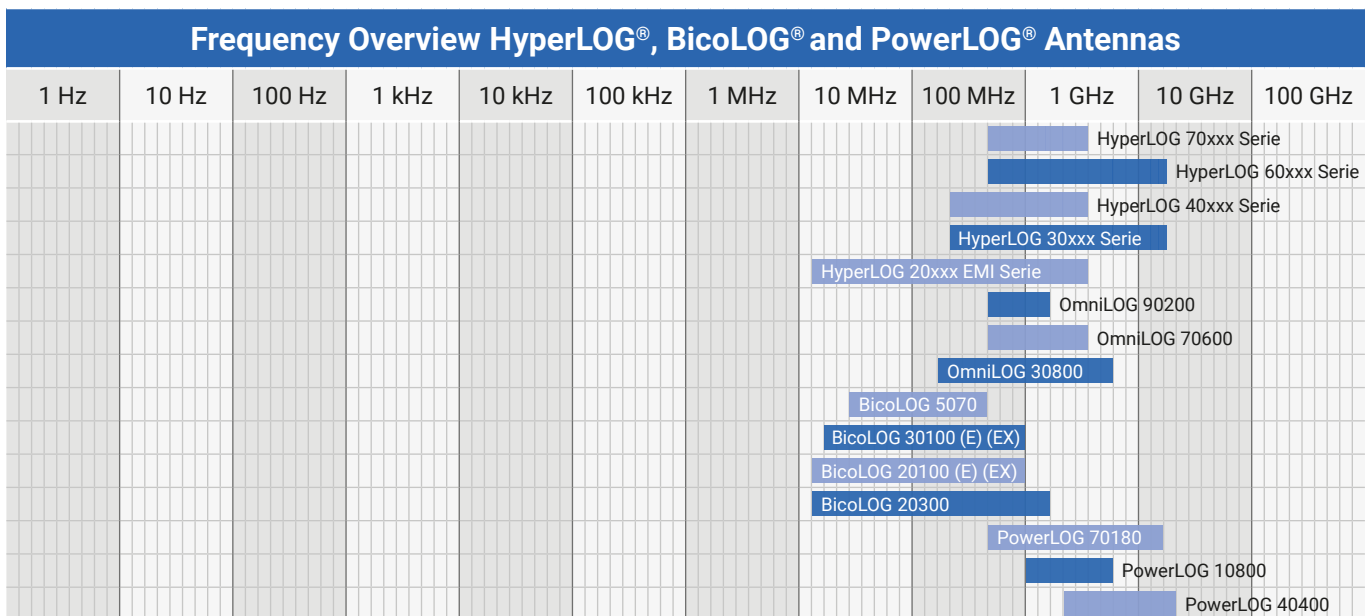
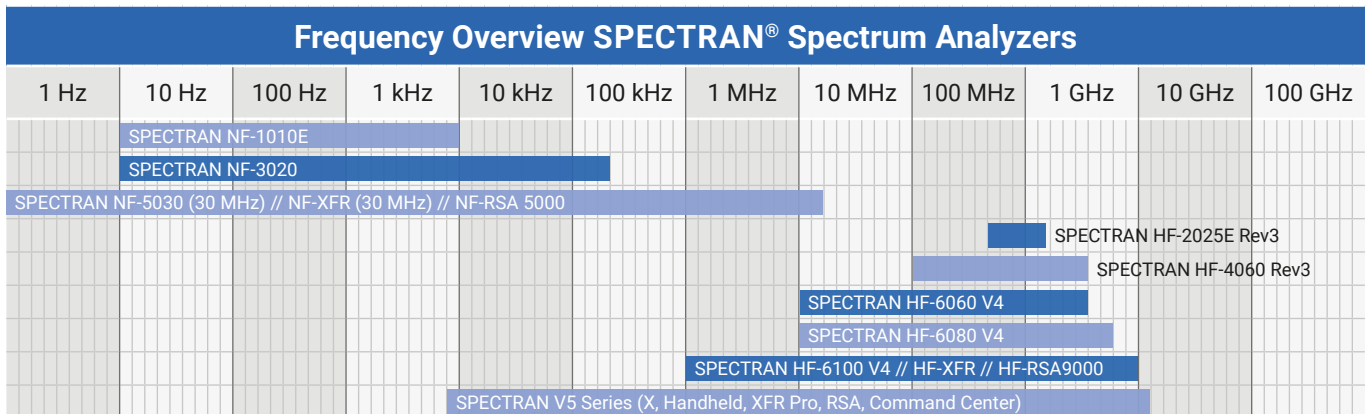


Heavy Tripod

Adjustable in height, strong in stability. Highly recommended for use with any HyperLOG® antenna.

Order/Art.-No.: 283

Frequency Overviews



REFERENCES



Selected List of Aaronia Clients

Government, Military, Aero- and 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
- **VIAVI**, Korea
- **Wilkinson Sword**, Germany
- **IBM Deutschland**, Germany
- **Nokia-Siemens Networks**, Germany



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