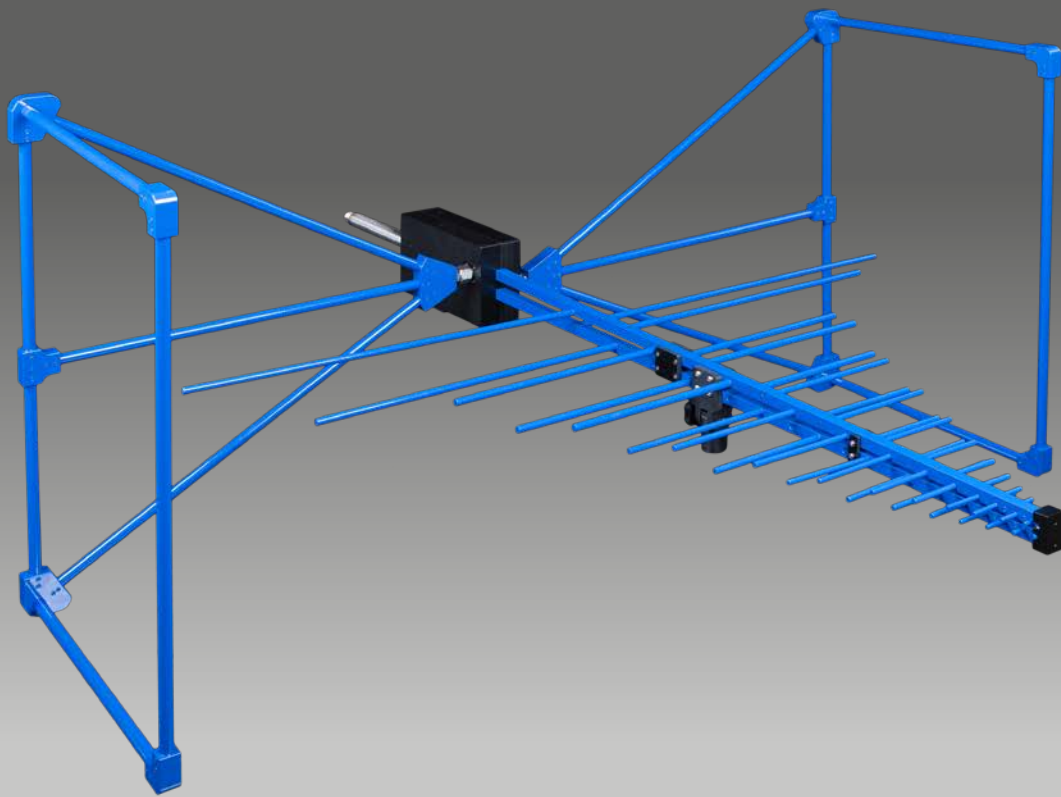


EMC REFERENCE ANTENNAS

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

E-Mail: mail@aaronia.de



MADE IN GERMANY



ES France - Département RF & Hyperfréquences
127 rue de Buzenval BP 26 - 92380 Garches



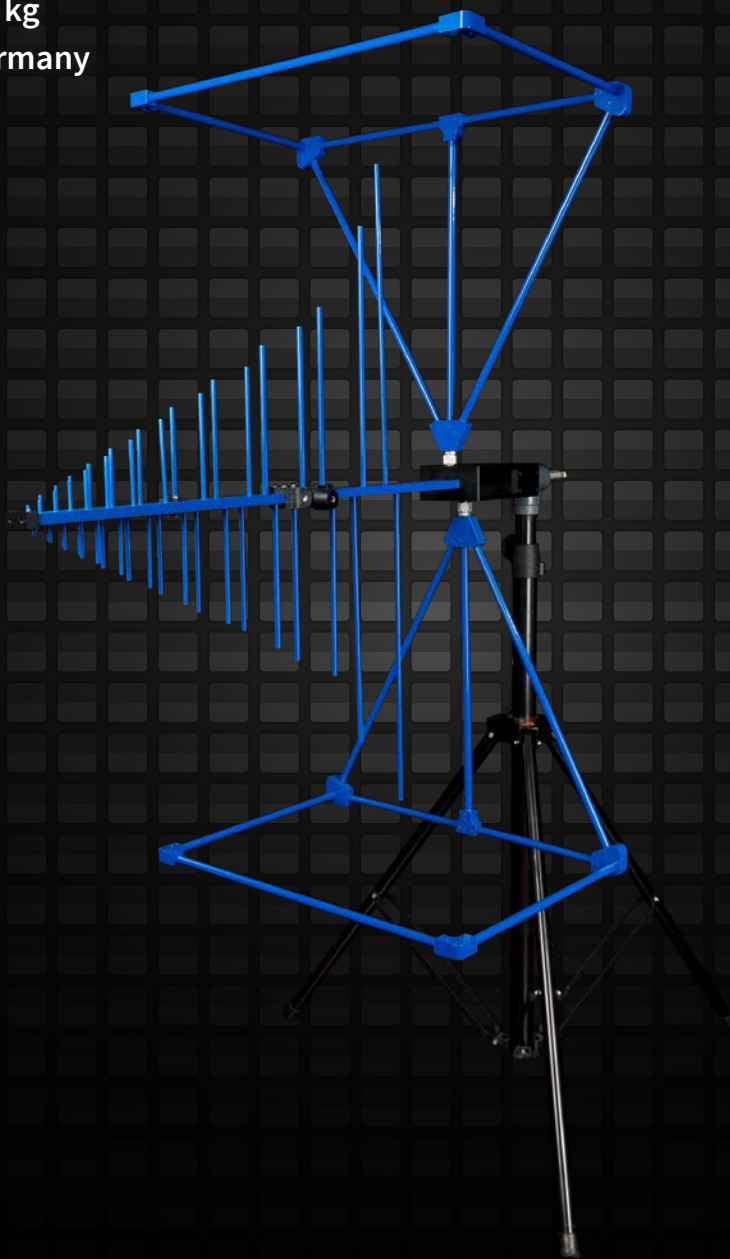
Tél. 01 47 95 99 60



e-mail : hyper@es-france.com
Site Web : www.es-france.com

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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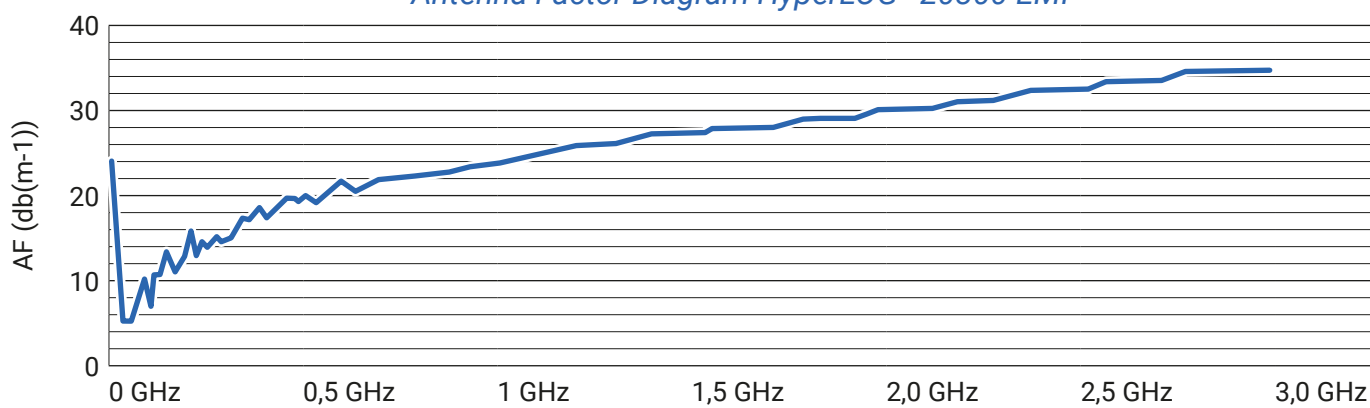
e-mail : hyper@es-france.com
Site Web : www.es-france.com

Specifications

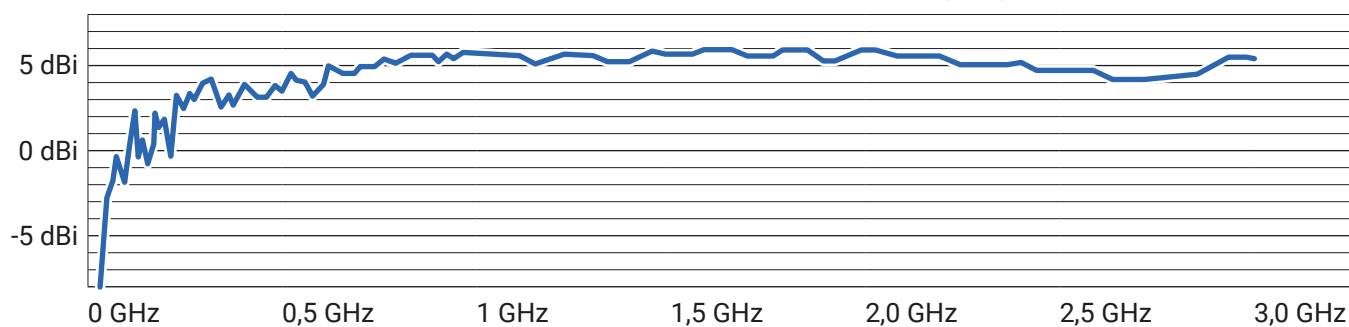
HyperLOG® 20300 EMI

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

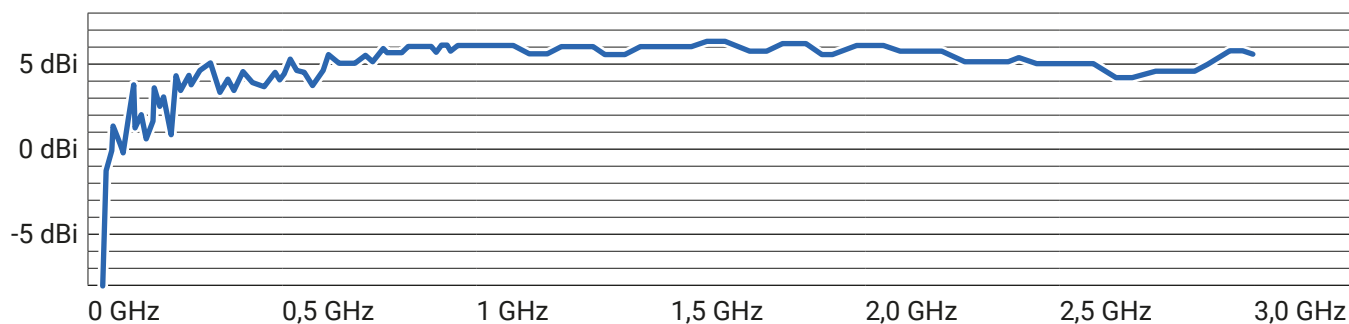
Antenna Factor Diagram HyperLOG® 20300 EMI



Gain Diagram HyperLOG® 20300 EMI (3 m)



Gain Diagram HyperLOG® 20300 EMI (10 m)

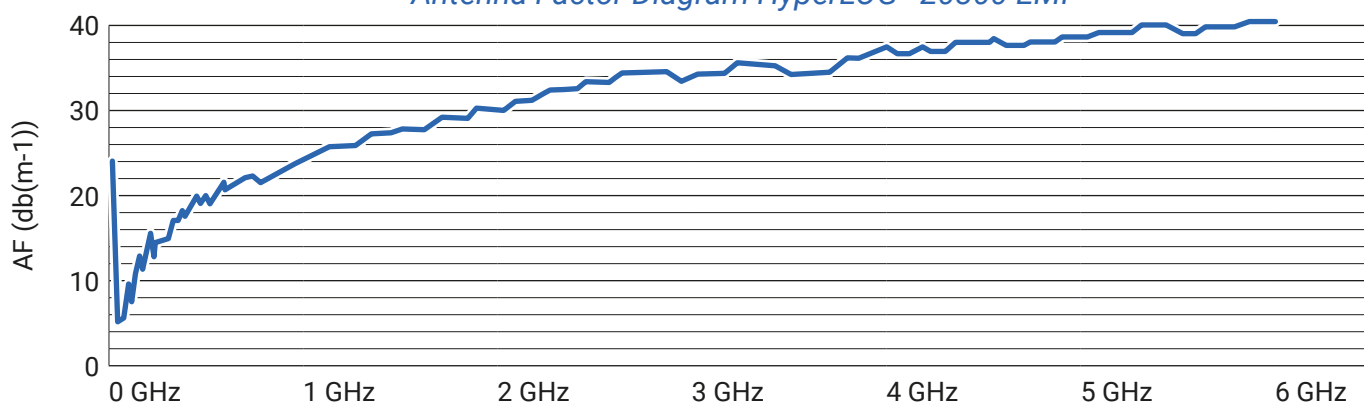


Specifications

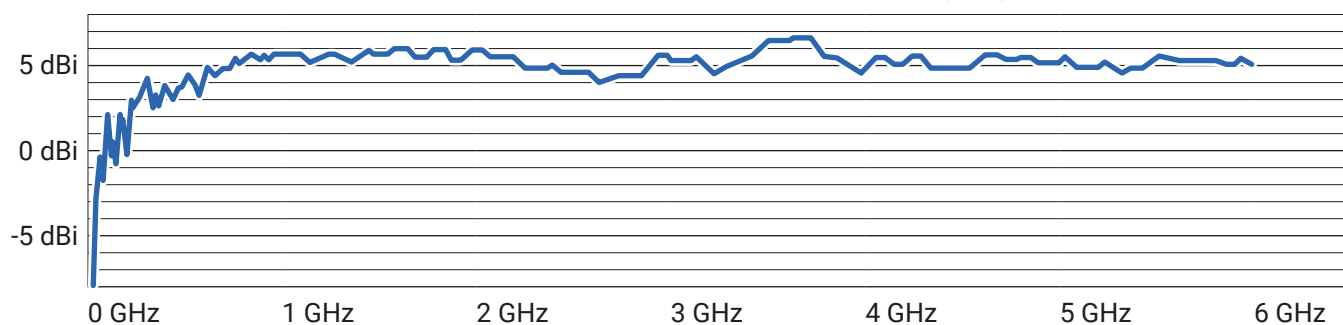
HyperLOG® 20600 EMI

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

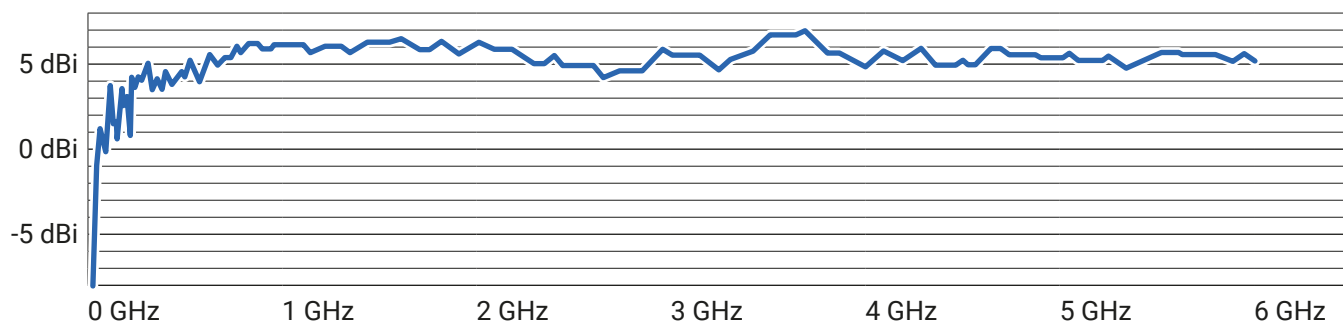
Antenna Factor Diagram HyperLOG® 20300 EMI



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)



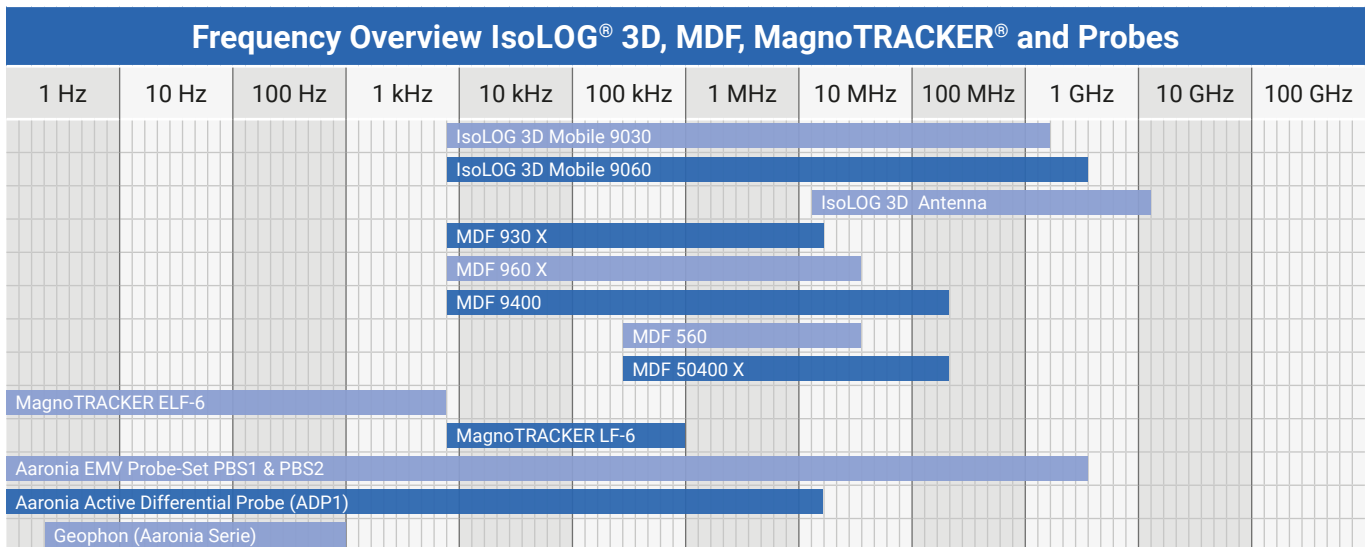
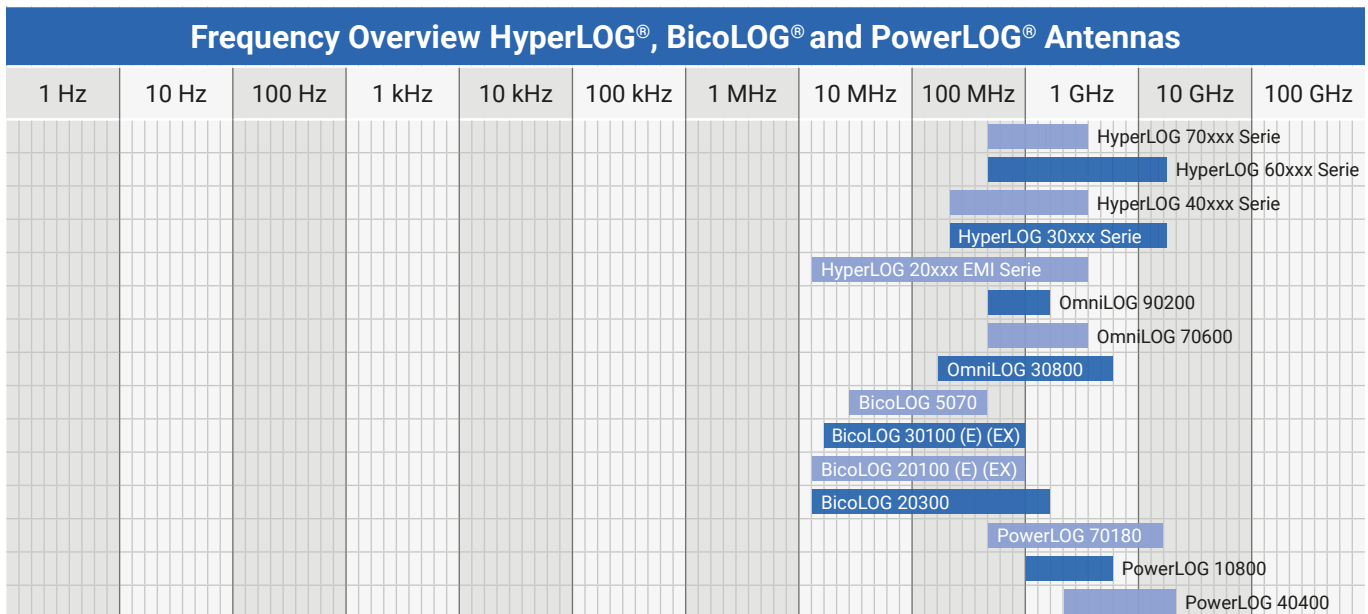
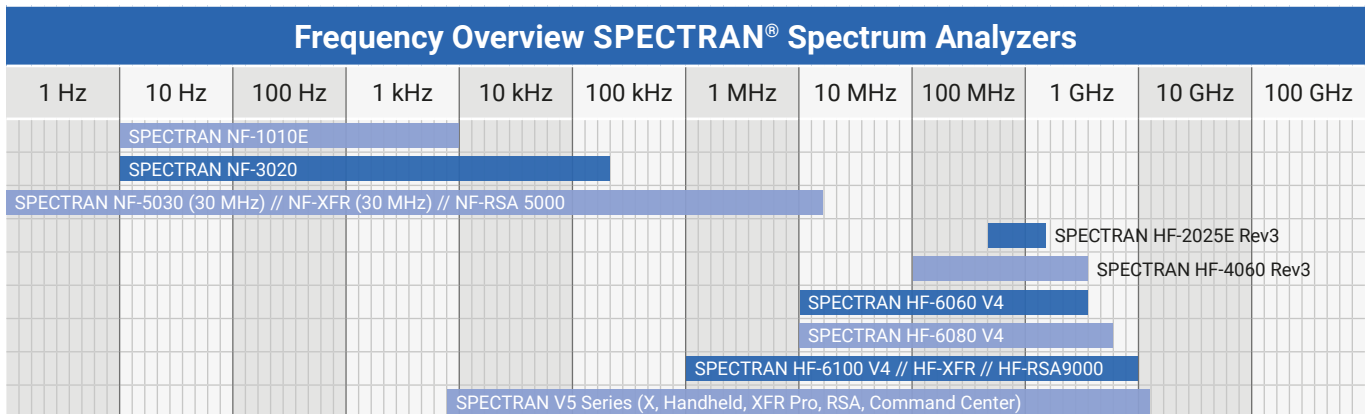
Heavy Tripod

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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