

BROADBAND ANTENNAS

# OMNILOG<sup>®</sup> PRO H

SERIES

100 W high power transmit & receive antenna with up to 18 GHz frequency range and high gain



## Highlights:

- Perfect all-in-one antenna for site survey and countermeasures
- Magnetic base included
- Very compact design, lightweight

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# OmniLOG® PRO H Series

The new OmniLOG PRO H series consists of 100 W high power transmit & receive antennas.

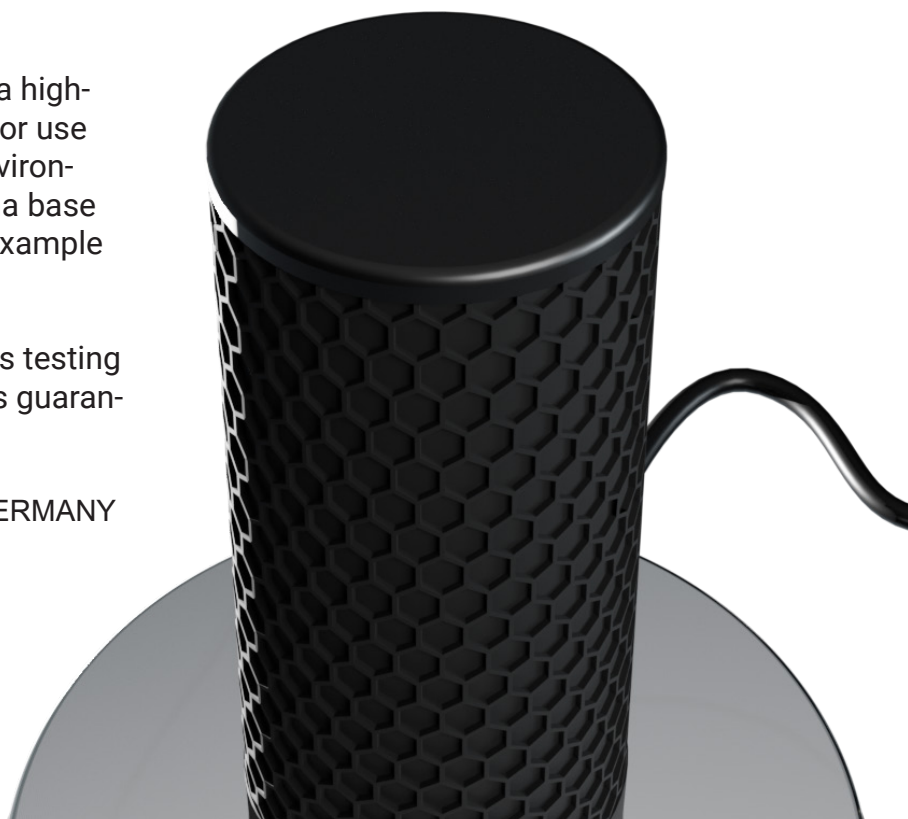


These broadband antennas are excellently suited for radial isotropic measurements, interference search or frequency monitoring, if necessary including countermeasures in conference rooms. Depending on the type, they cover all RF sources from VHF to K-band (for example, radio and TV, mobile communications, DECT, Bluetooth and WLAN, etc.).

Each OmniLOG PRO H is equipped with a high-tech antenna housing suitable for outdoor use (IP65 certified) as protection against environmental influences. The magnetic antenna base allows temporary fixed installation, for example on the car roof.

The OmniLOG PRO H undergoes rigorous testing in our laboratories before shipment. This guarantees the highest quality standards.

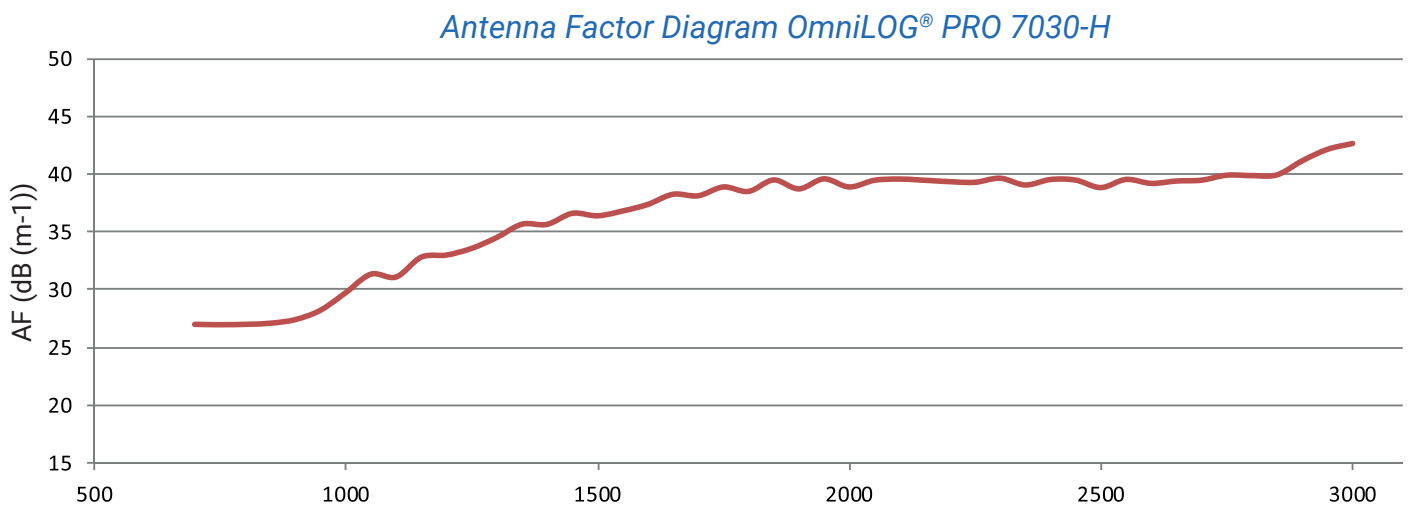
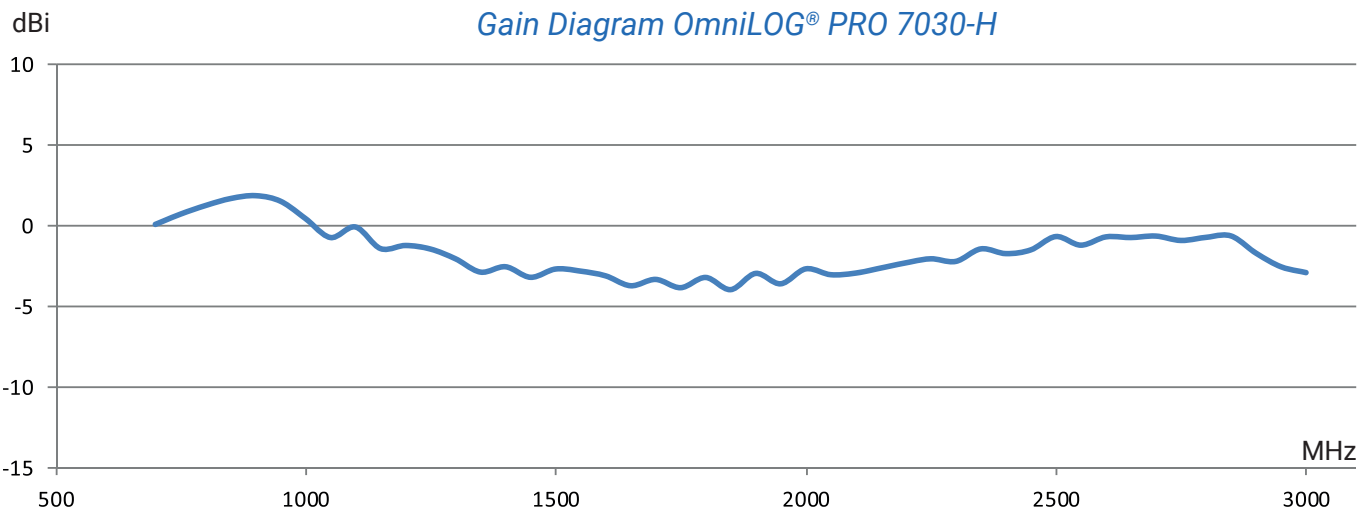
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# Specifications

## OmniLOG® PRO 7030-H

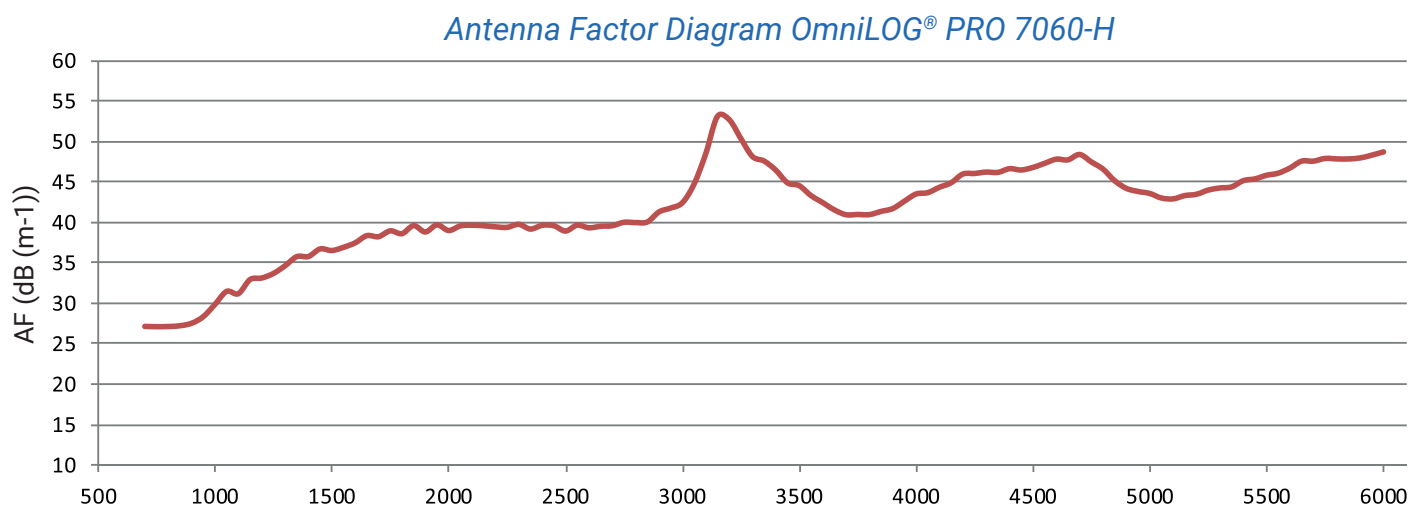
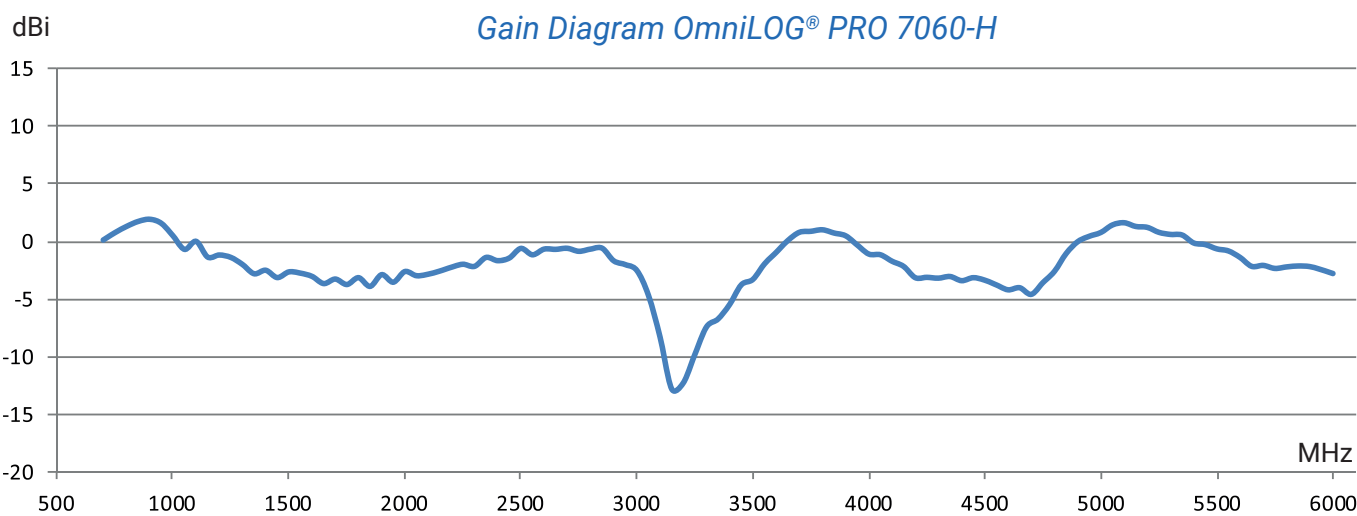
Frequency Range	700 MHz – 3 GHz
Design	Radial isotrop
Polarisation	Vertical, linear
RF Connection	SMA (male)
Nominal Impedance	50 Ohm
VSWR (typ.)	< 2,5:1
Max. Input Power	100 W
Temperature Range	- 40° C – + 70° C
Relative Humidity	0 % – 95 %
Dimensions [L x W x D]	Ø 8,4 x H 9,6 (incl. magnetic base + cable)
Weight	600 g
Warranty	2 years



# Specifications

## OmniLOG® PRO 7060-H

Frequency Range	700 MHz – 6 GHz
Design	Radial isotrop
Polarisation	Vertical, linear
RF Connection	SMA (male)
Nominal Impedance	50 Ohm
VSWR (typ.)	< 2,5:1
Max. Input Power	100 W
Temperature Range	- 40° C – + 70° C
Relative Humidity	0 % – 95 %
Dimensions [L x W x D]	Ø 8,4 x H 9,6 (incl. magnetic base + cable)
Weight	600 g
Warranty	2 years

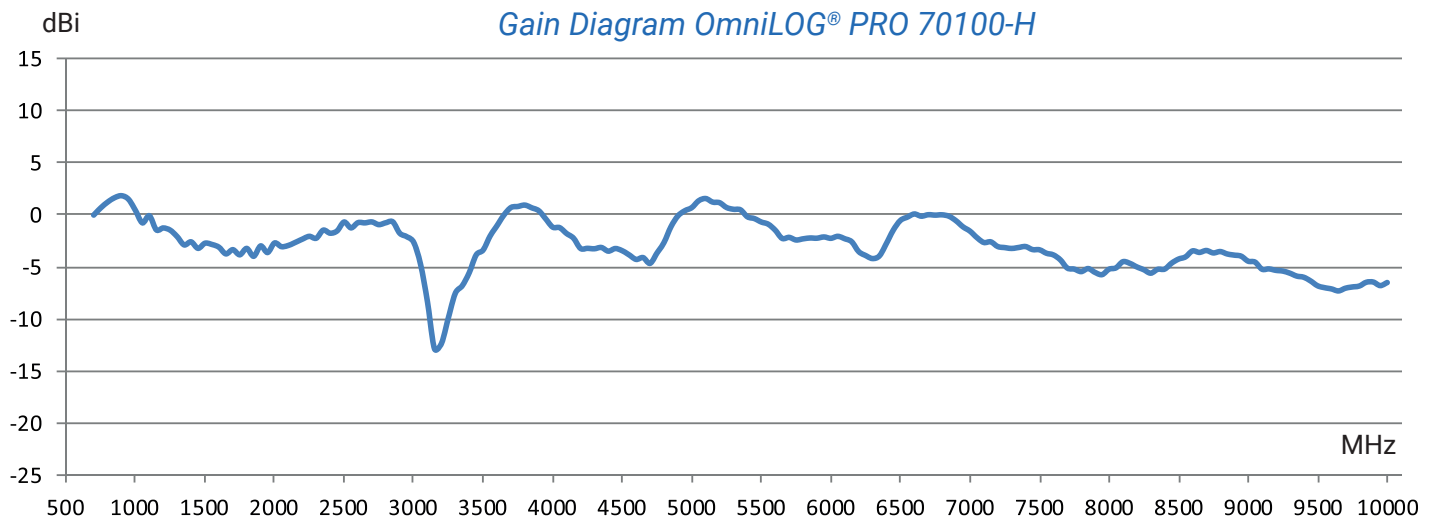


# Specifications

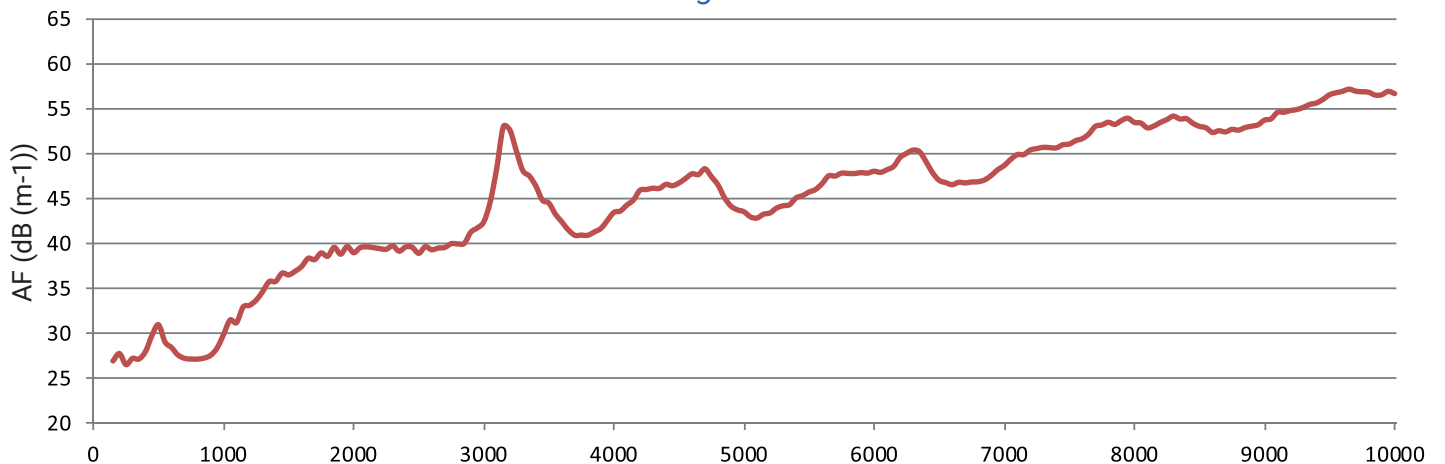
## OmniLOG® PRO 70100-H

Frequency Range	700 MHz – 10 GHz
Design	Radial isotrop
Polarisation	Vertical, linear
RF Connection	SMA (male)
Nominal Impedance	50 Ohm
VSWR (typ.)	< 2,5:1
Max. Input Power	100 W
Temperature Range	- 40° C – + 70° C
Relative Humidity	0 % – 95 %
Dimensions [L x W x D]	Ø 8,4 x H 9,6 (incl. magnetic base + cable)
Weight	600 g
Warranty	2 years

Gain Diagram OmniLOG® PRO 70100-H



Antenna Factor Diagram OmniLOG® PRO 70100-H

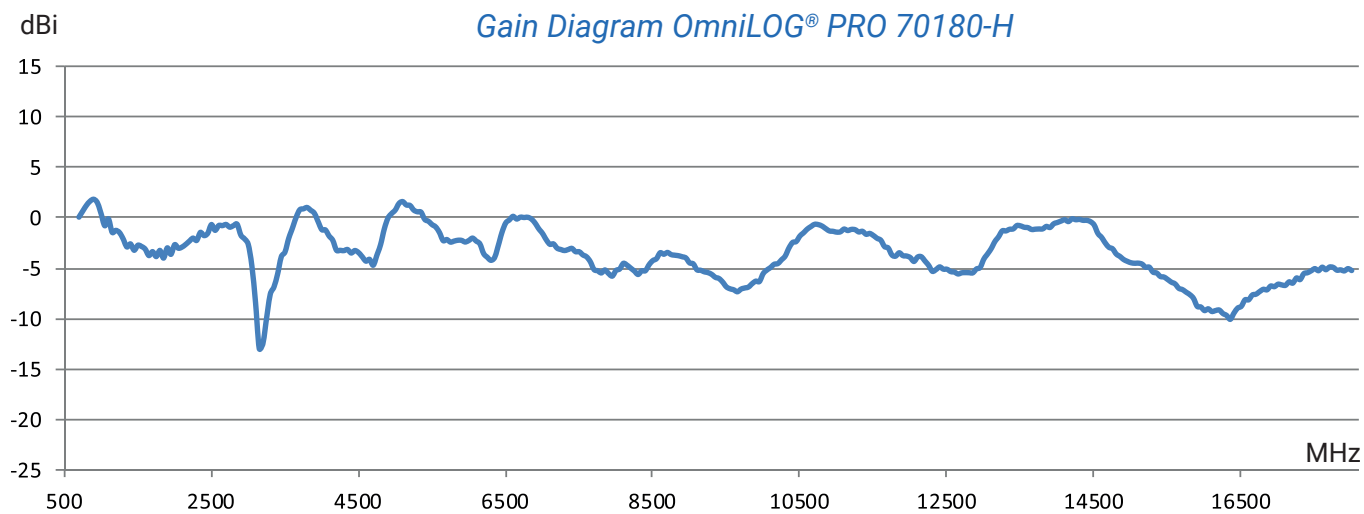


# Specifications

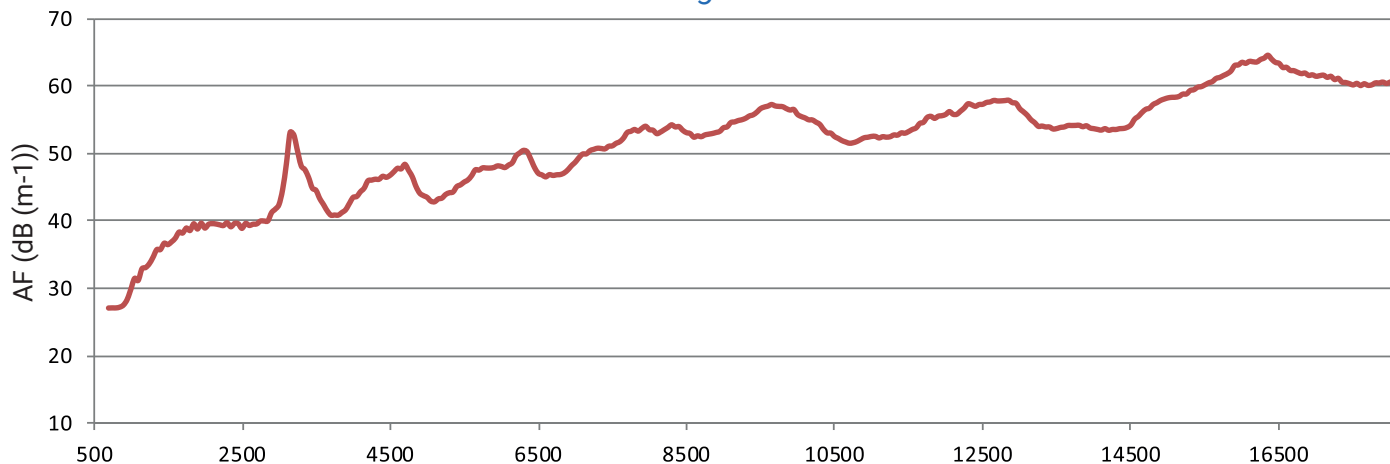
## OmniLOG® PRO 70180-H

Frequency Range	700 MHz – 18 GHz
Design	Radial isotrop
Polarisation	Vertical, linear
RF Connection	SMA (male)
Nominal Impedance	50 Ohm
VSWR (typ.)	< 2,5:1
Max. Input Power	100 W
Temperature Range	- 40° C – + 70° C
Relative Humidity	0 % – 95 %
Dimensions [L x W x D]	Ø 8,4 x H 9,6 (incl. magnetic base + cable)
Weight	600 g
Warranty	2 years

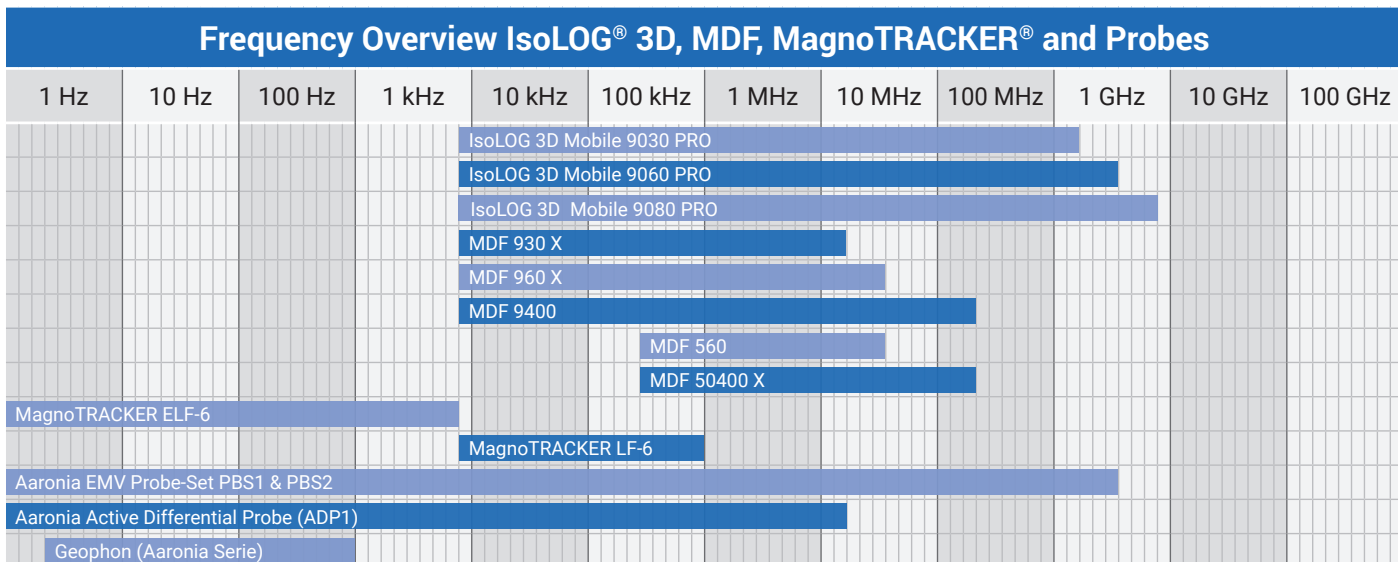
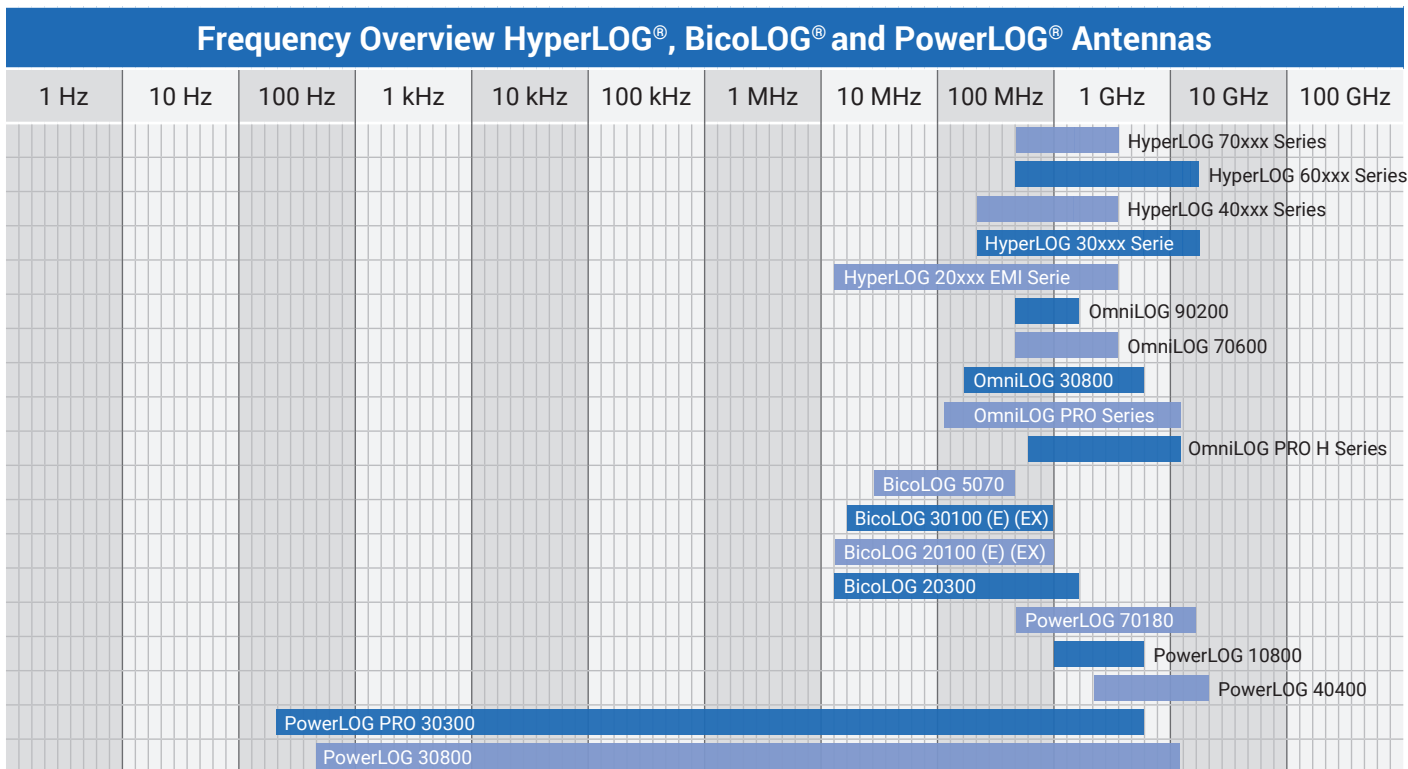
Gain Diagram OmniLOG® PRO 70180-H



Antenna Factor Diagram OmniLOG® PRO 70180-H



# Frequency Overviews



# REFERENCES



## Selected Aaronia Clients

### 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 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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