

BROADBAND ANTENNAS

OMNILOG[®]

SERIES

Omni-directional broadband antenna with up to 8 GHz frequency range and high gain



Highlights:

- Perfectly usable with Spectrum Analyzers for omnidirectional measurements
- SMA-connector with heavy-duty 90° knuckle base
- Very compact design, lightweight

**AARONIA AG**
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MADE IN GERMANY

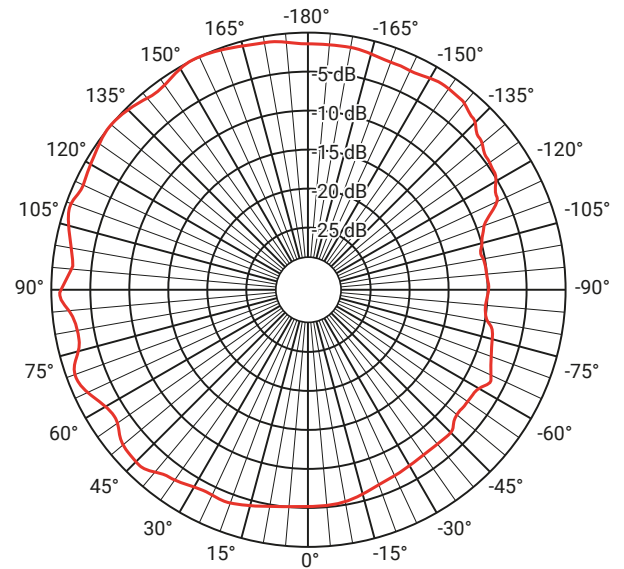
Specifications

OmniLOG® 70600

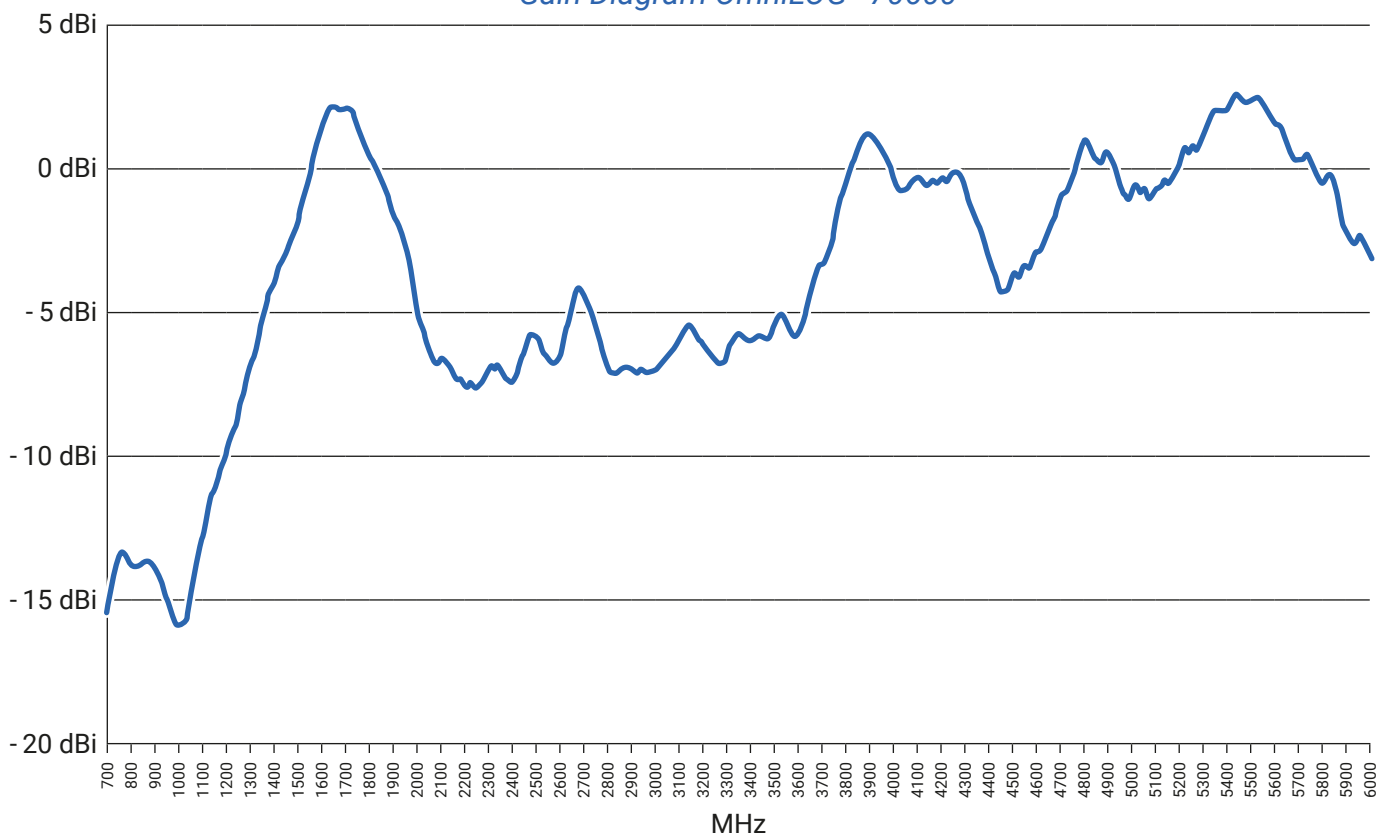
Dimensions [L x W x D]	173 x 62 x 9 mm
Weight	54 g
Design	Omnidirectional
RF Connection	SMA (male)
Frequency Range	680 MHz – 6 GHz
Nominal Impedance	50 Ohm
VSWR (typ.)	< 3:1
Max. Input Power	5 W
Temperature Range	- 40° C – + 85° C
Relative Humidity	0 % – 95 %
Polarisation	Linear
Warranty	2 years

RoHs compliant

Horizontal Pattern OmniLOG® 70600

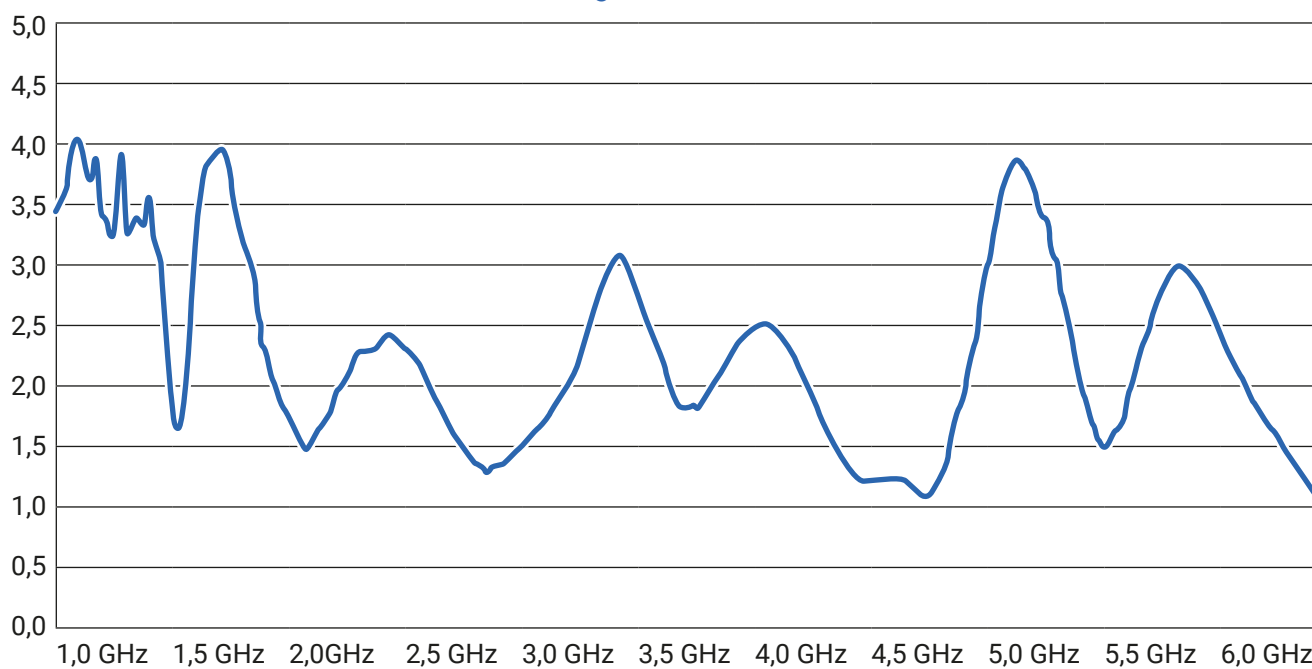


Gain Diagram OmniLOG® 70600

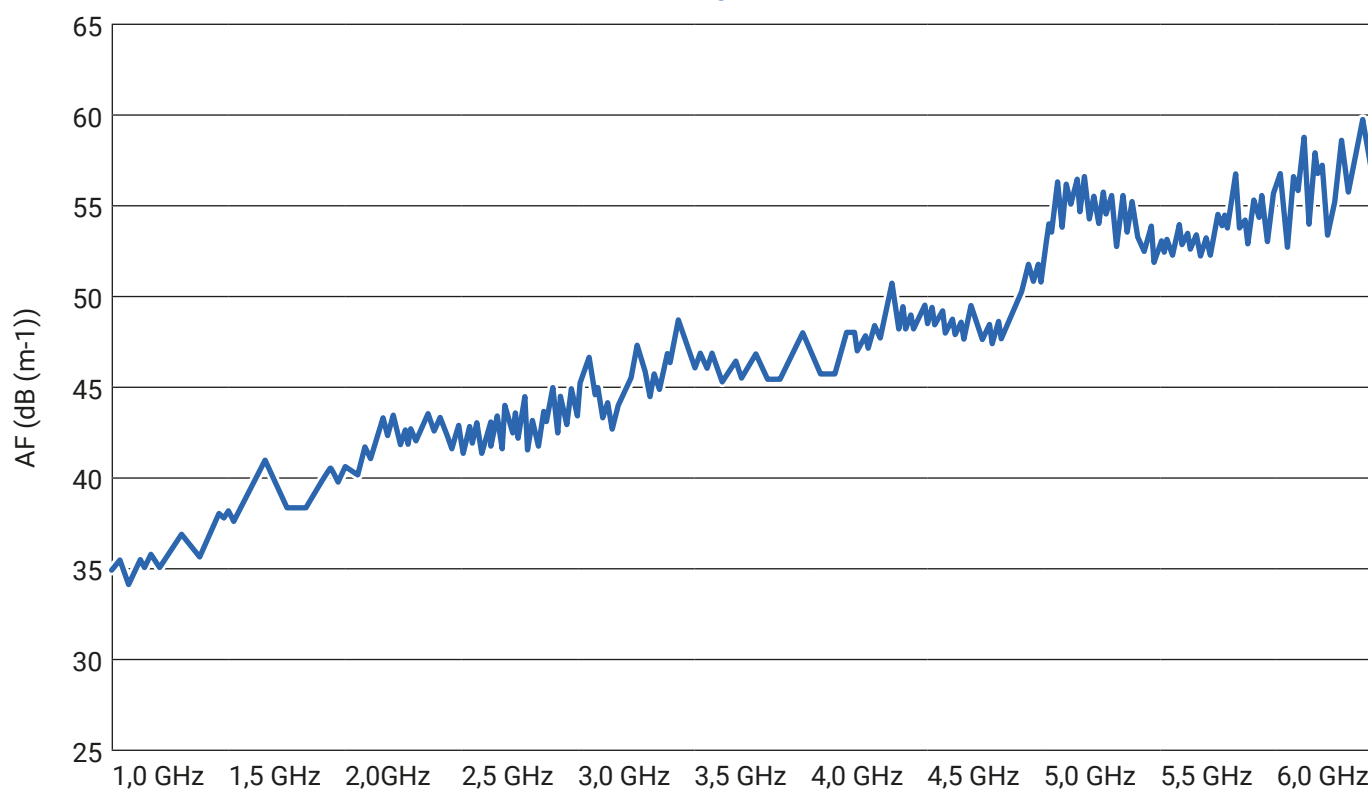


Specifications

VSWR Diagram OmniLOG® 70600



Antenna Factor Diagram OmniLOG® 70600



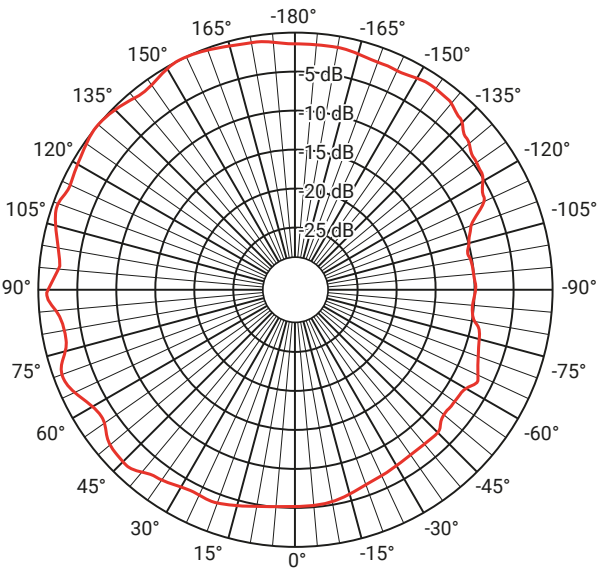
Specifications

OmniLOG® 30800

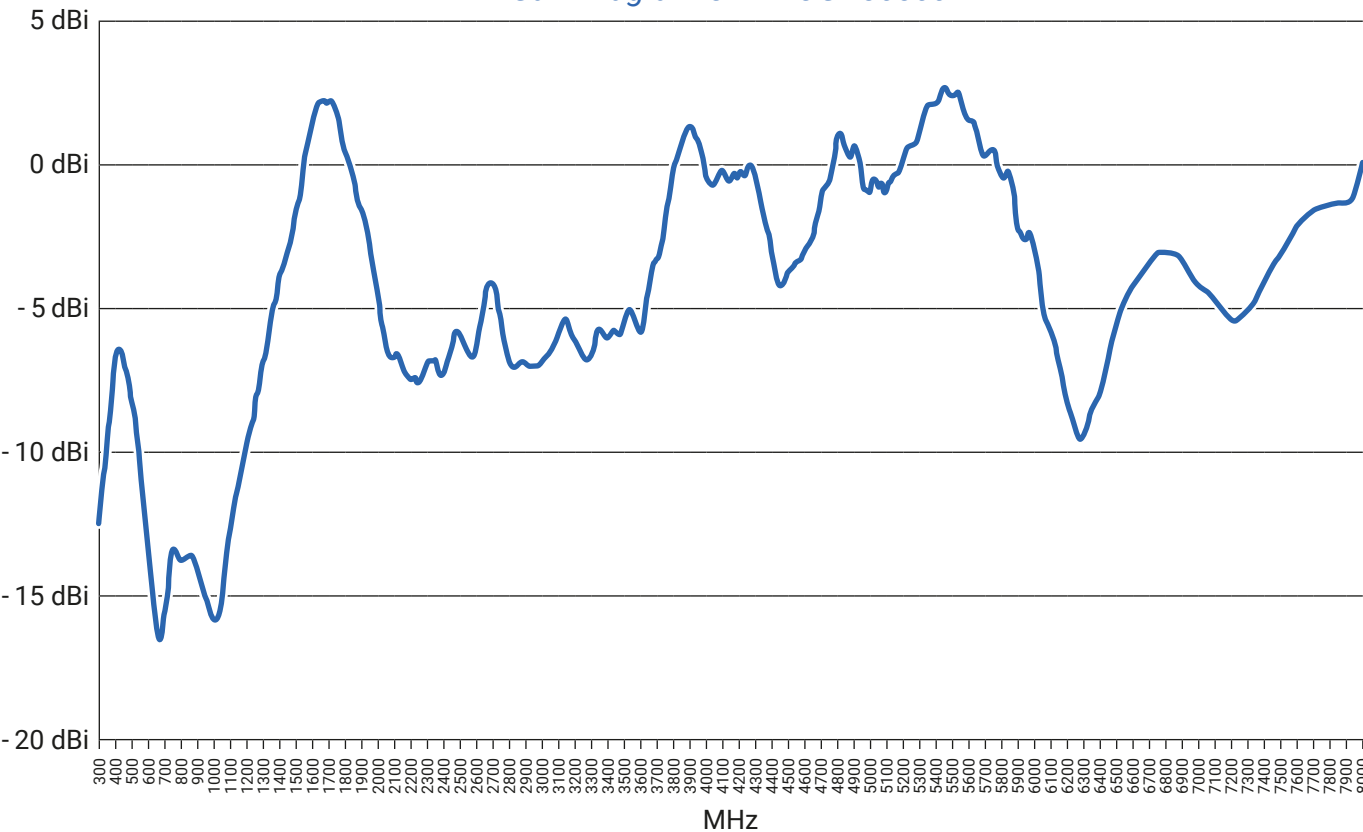
Dimensions [L x W x D]	173 x 62 x 9 mm
Weight	54 g
Design	Omnidirectional
RF Connection	SMA (male)
Frequency Range	300 MHz – 8 GHz
Nominal Impedance	50 Ohm
VSWR (typ.)	< 3:1
Max. Input Power	5 W
Temperature Range	- 40° C – + 85° C
Relative Humidity	0 % – 95 %
Polarisation	Linear
Warranty	2 years

RoHs compliant

Horizontal Pattern OmniLOG® 30800

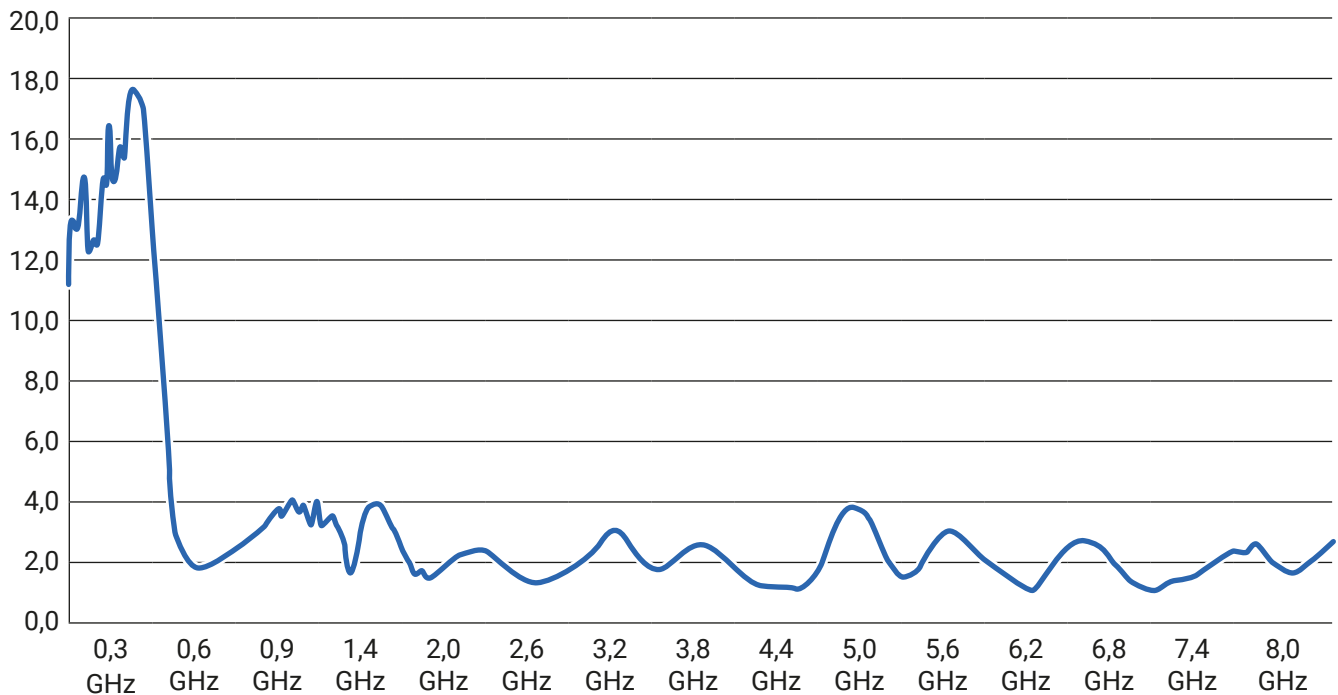


Gain Diagram OmniLOG® 30800

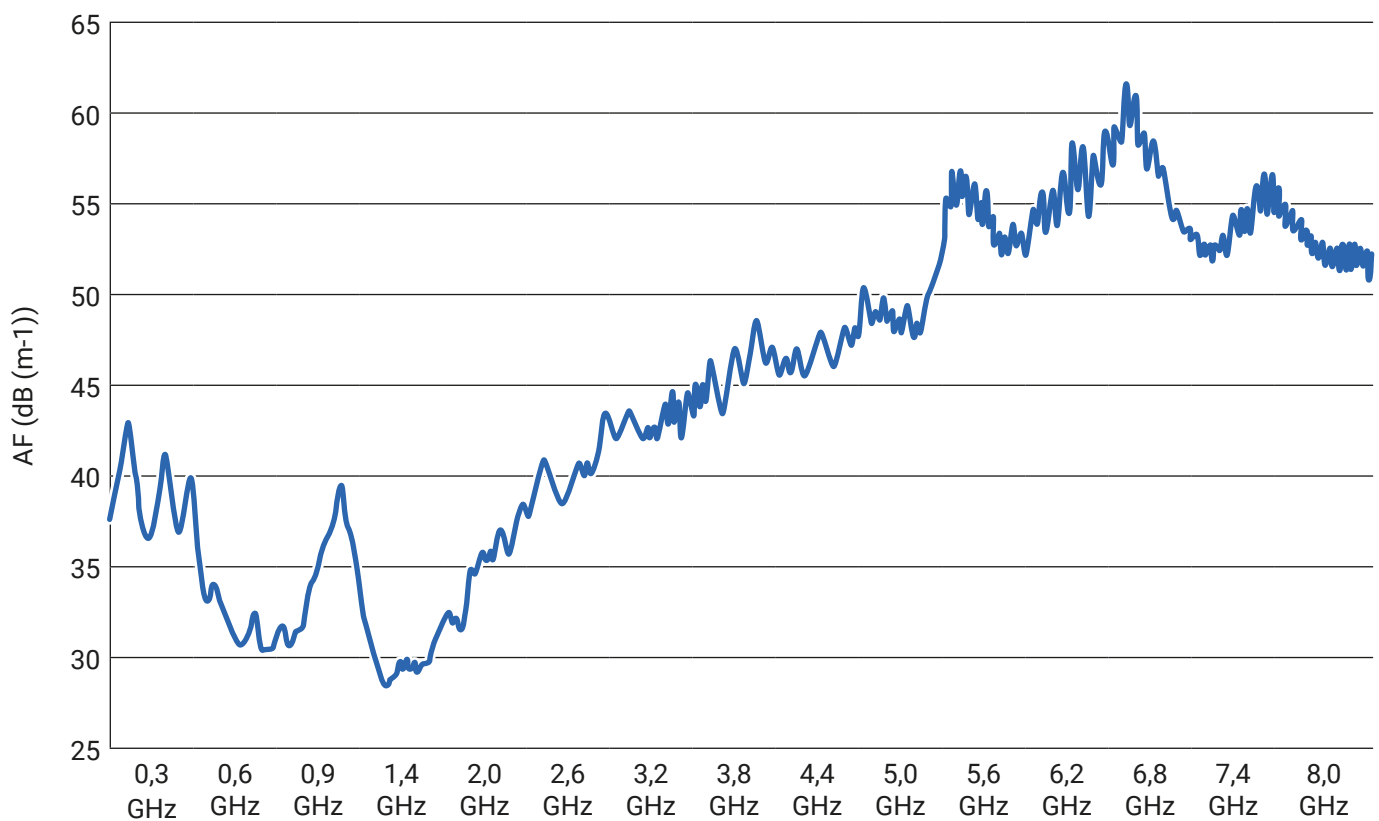


Specifications

VSWR Diagram OmniLOG® 30800



Antenna Factor Diagram OmniLOG® 30800

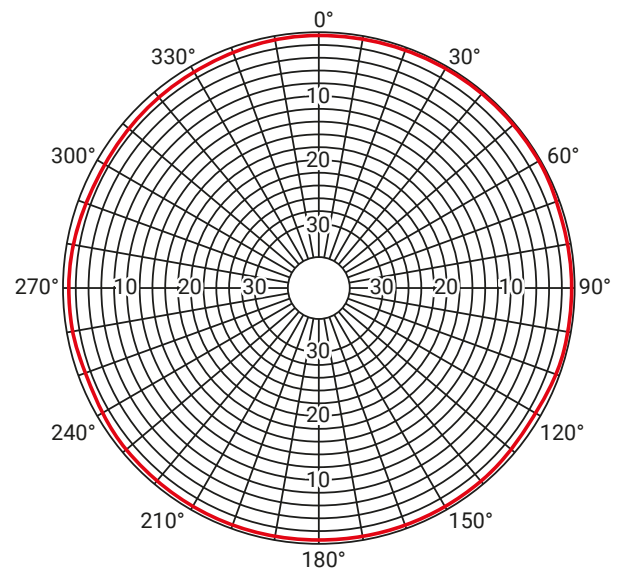


Specifications

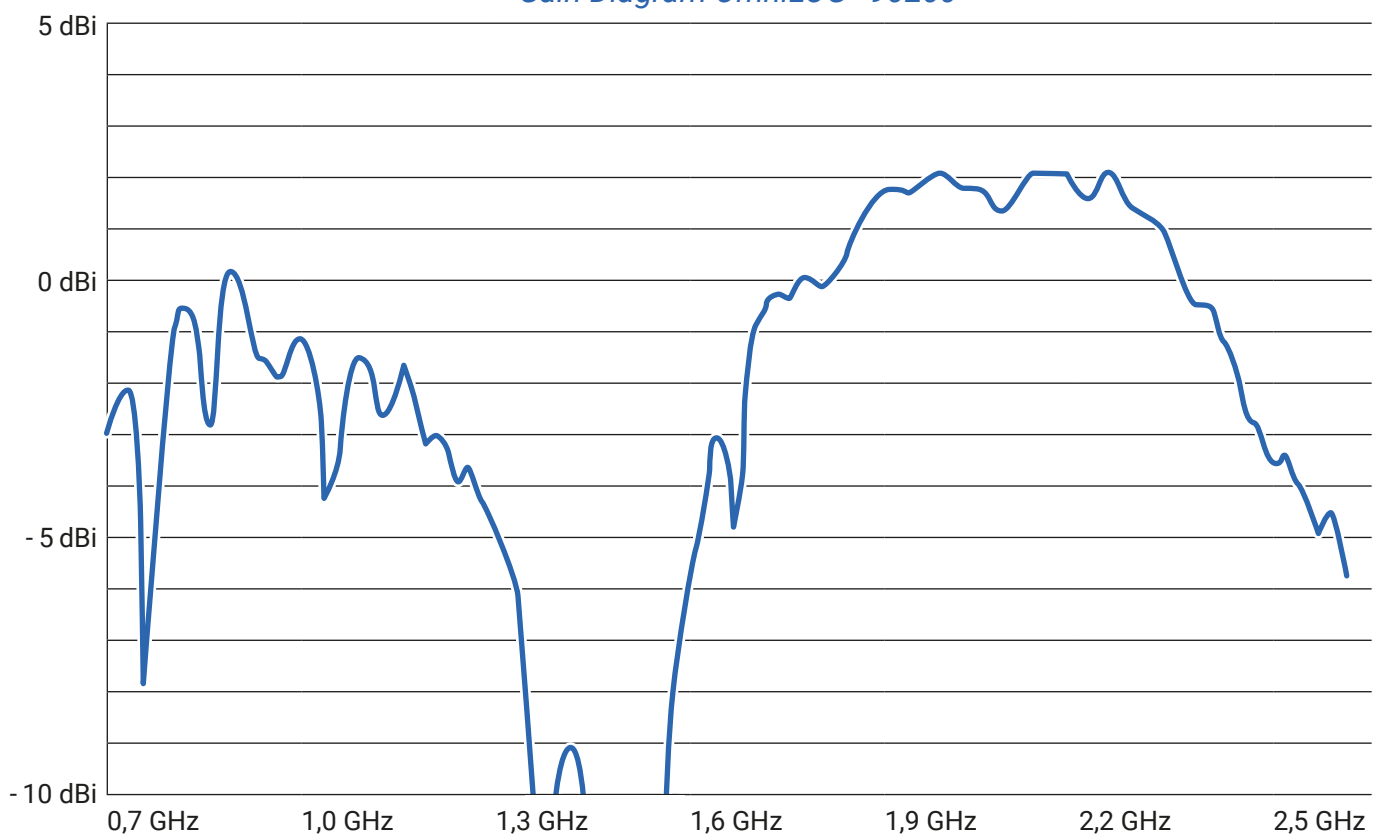
OmniLOG® 90200

Dimensions [L x W x D]	210 x 20 mm
Weight	70 g
Design	Omnidirectional
RF Connection	SMA (male)
Frequency Range	700 MHz – 2,5 GHz
Nominal Impedance	50 Ohm
VSWR (typ.)	< 3:1
Temperature Range	- 20° C – + 70° C Shock: 40 G at 10 msek
Temperature Shock	- 20° C – + 70° C 10 cycles
Warranty	2 years

Horizontal Pattern OmniLOG® 90200

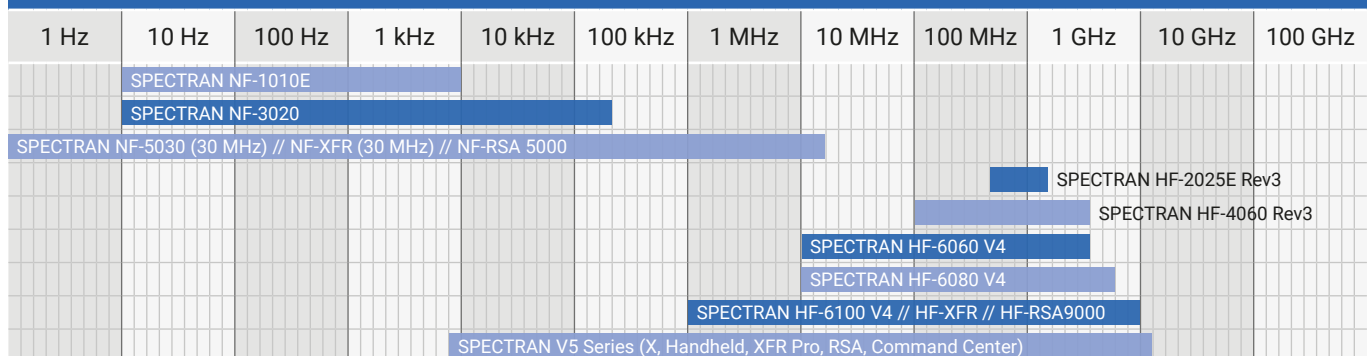


Gain Diagram OmniLOG® 90200

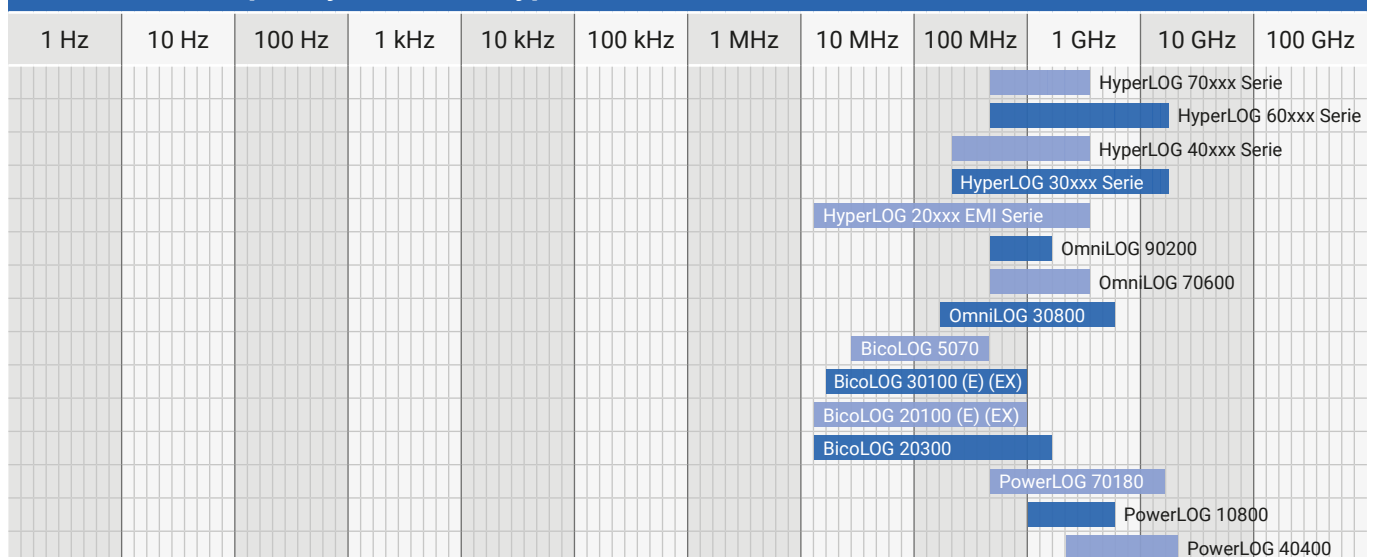


Frequency Overviews

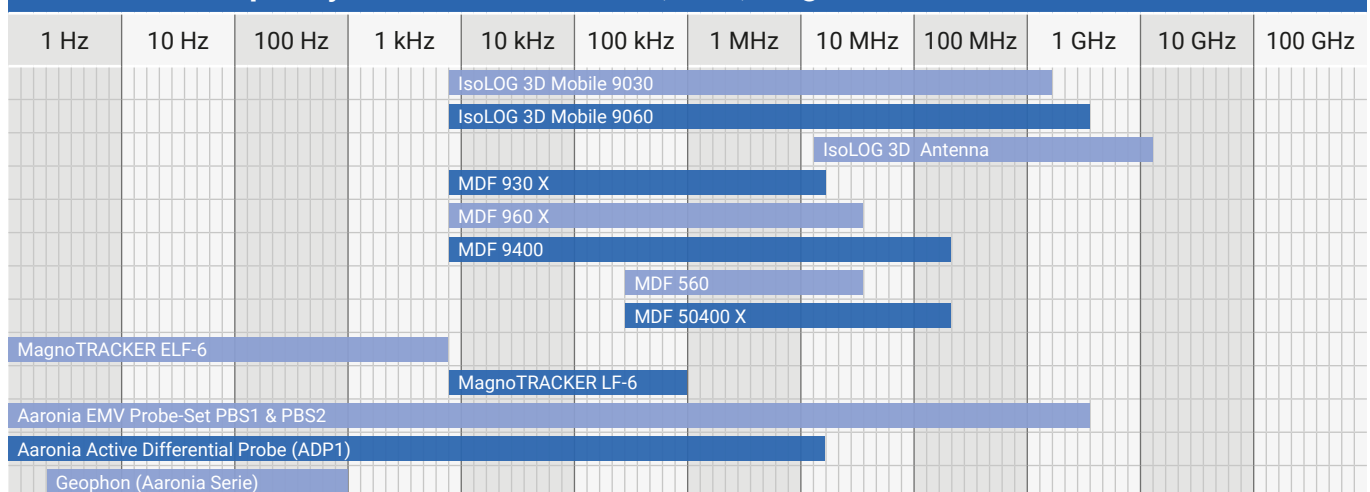
Frequency Overview SPECTRAN® Spectrum Analyzers



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 (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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