

HIGH-POWER HORN ANTENNAS

POWERLOG[®] PRO

SERIES

Constant field strength, enormous broadband and highest transmit power



- ✓ Wide frequency range from 300 MHz - 8 GHz
- ✓ Supports very high power levels up to 500W

- ✓ Constant field strength due to linear increasing gain
- ✓ High gain up to 14dBi

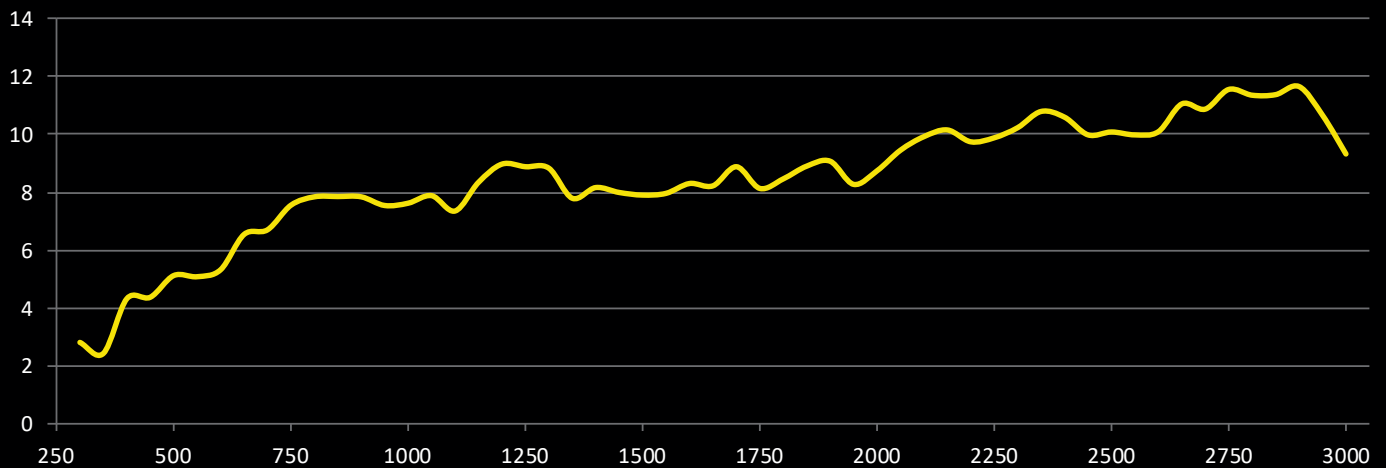


Specifications

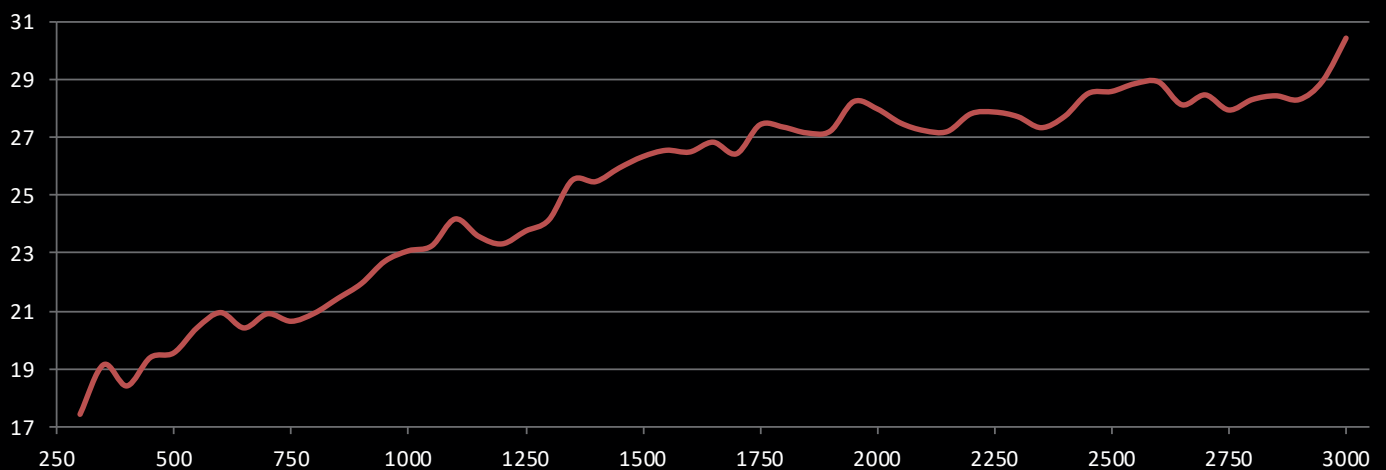
PowerLOG® PRO 30300

Dimensions [L x W x D]	510 x 507 x 507 mm	Nominal Impedance	50 Ohm
Weight	8800 g	VSWR (typ.)	< 2,5:1
Design	Quad-ridged horn	Max. Input Power	500 W
Gain	up to 12 dBi	Temperature Range	- 10° C – 60° C
RF Connection	2 x N (f) connections (H+V)	Relative Humidity	10% – 70%
Frequency Range	300 MHz – 3 GHz	Warranty	2 years

Gain Diagram PowerLOG® PRO 30300



Antenna Factor Diagram PowerLOG® PRO 30300

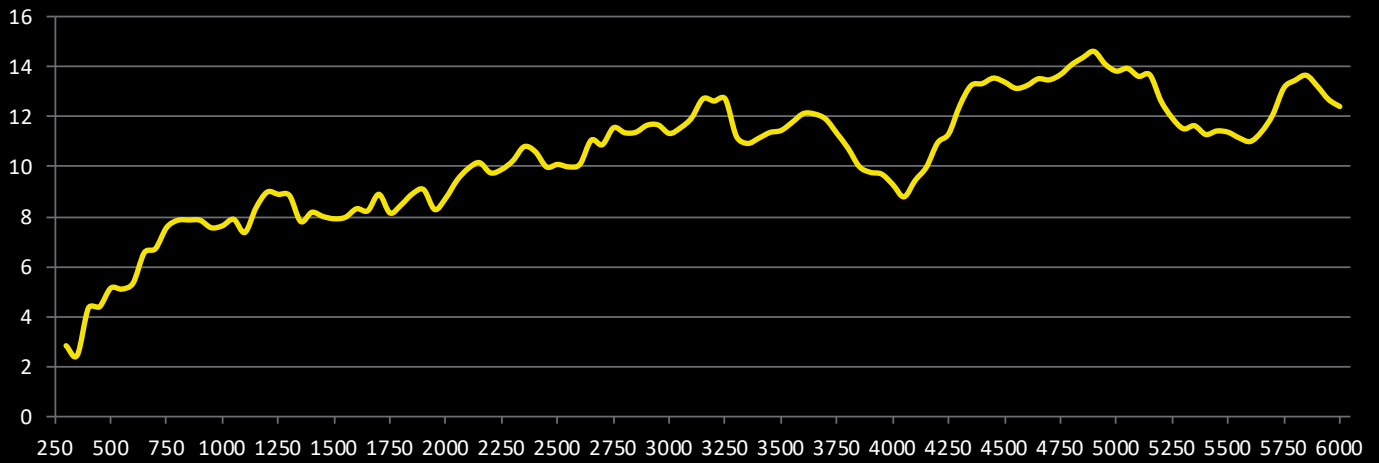


Specifications

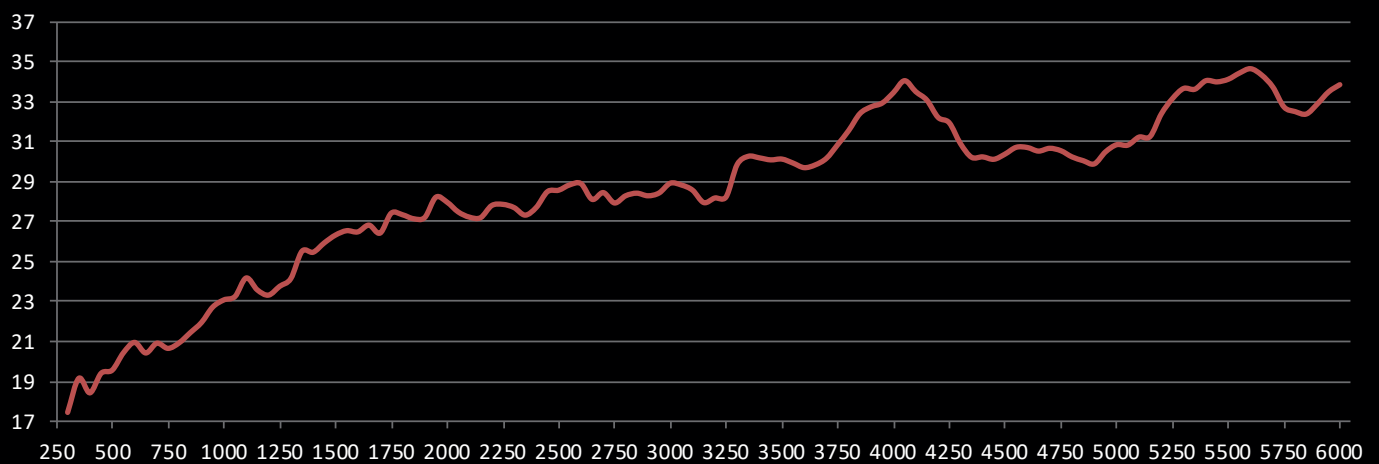
PowerLOG® PRO 30600

Dimensions [L x W x D]	510 x 507 x 507 mm	Nominal Impedance	50 Ohm
Weight	8800 g	VSWR (typ.)	< 2,5:1
Design	Quad-ridged horn	Max. Input Power	500 W
Gain	up to 14 dBi	Temperature Range	- 10° C – 60° C
RF Connection	2 x N (f) connections (H+V)	Relative Humidity	10% – 70%
Frequency Range	300 MHz – 6 GHz	Warranty	2 years

Gain Diagram PowerLOG® PRO 30600



Antenna Factor Diagram PowerLOG® PRO 30600

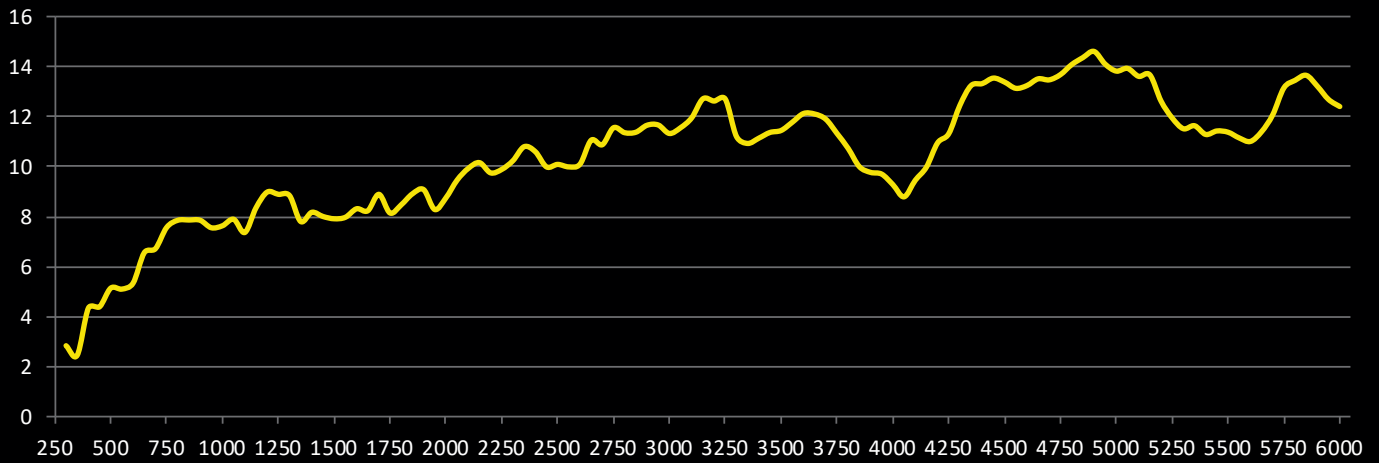


Specifications

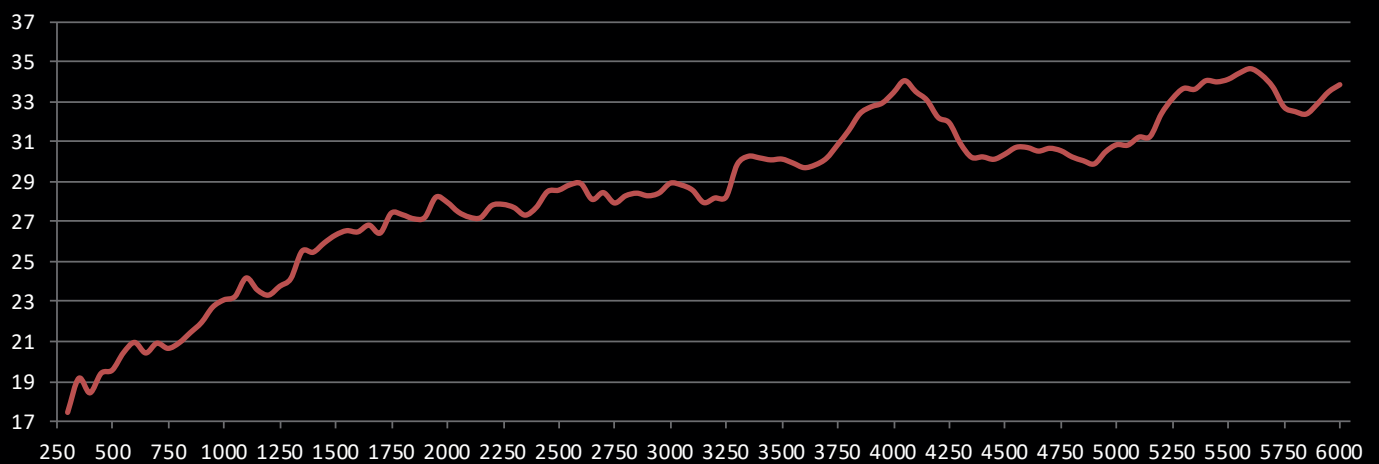
PowerLOG® PRO 30800

Dimensions [L x W x D]	510 x 507 x 507 mm	Nominal Impedance	50 Ohm
Weight	8800 g	VSWR (typ.)	< 2,5:1
Design	Quad-ridged horn	Max. Input Power	500 W
Gain	up to 14 dBi	Temperature Range	- 10° C – 60° C
RF Connection	2 x N (f) connections (H+V)	Relative Humidity	10% – 70%
Frequency Range	300 MHz – 8 GHz <small>(calibrated up to 6 GHz)</small>	Warranty	2 years

Gain Diagram PowerLOG® PRO 30800



Antenna Factor Diagram PowerLOG® PRO 30800



Recommended Accessories



3 m / 10 m N-Cable

This high-grade, waterproof cable with N-connector can be used to connect PowerLOG PRO Antennas

Order/Art.-No.: 501/013 (3 m), 501/014 (5 m)

5 m / 10 m SMA Cable

High-quality special SMA cable, connecting test equipment to any PowerLOG® antenna. Customers can choose between three different cables:

- 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.: 501/008 (5 m), 501/010 (10 m)



SMA to N Adapter

This special high-quality adapter allows for operating all PowerLOG® 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).

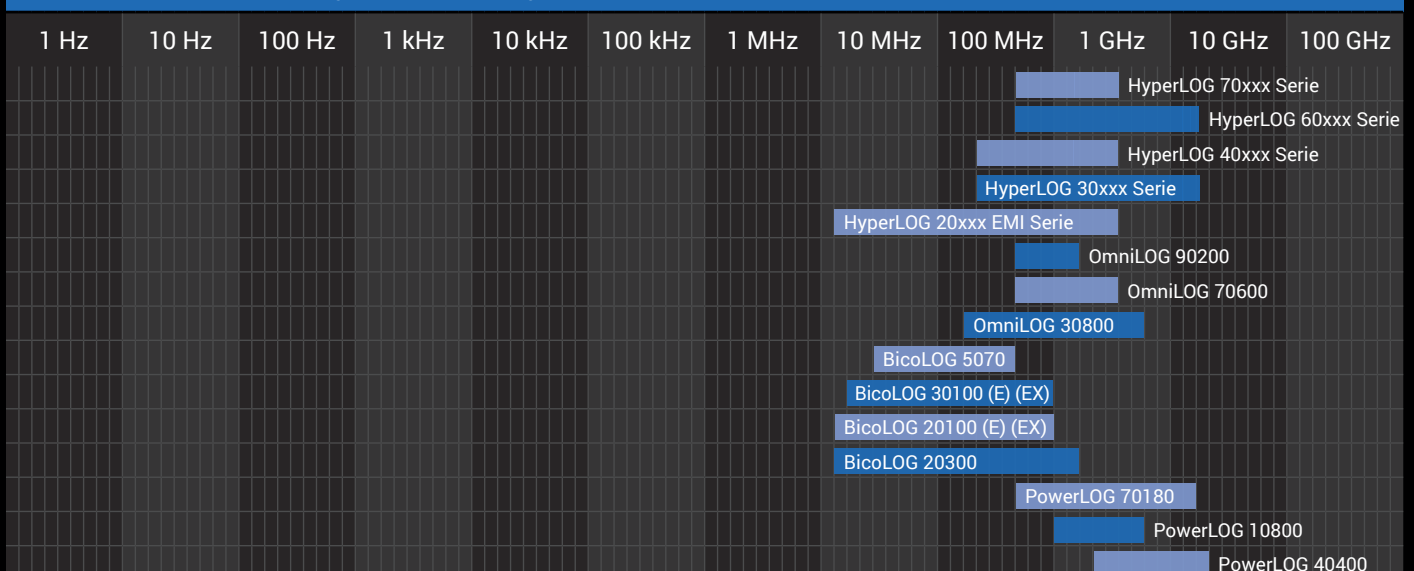
Order/Art.-No.: 502/009

Frequency Overviews

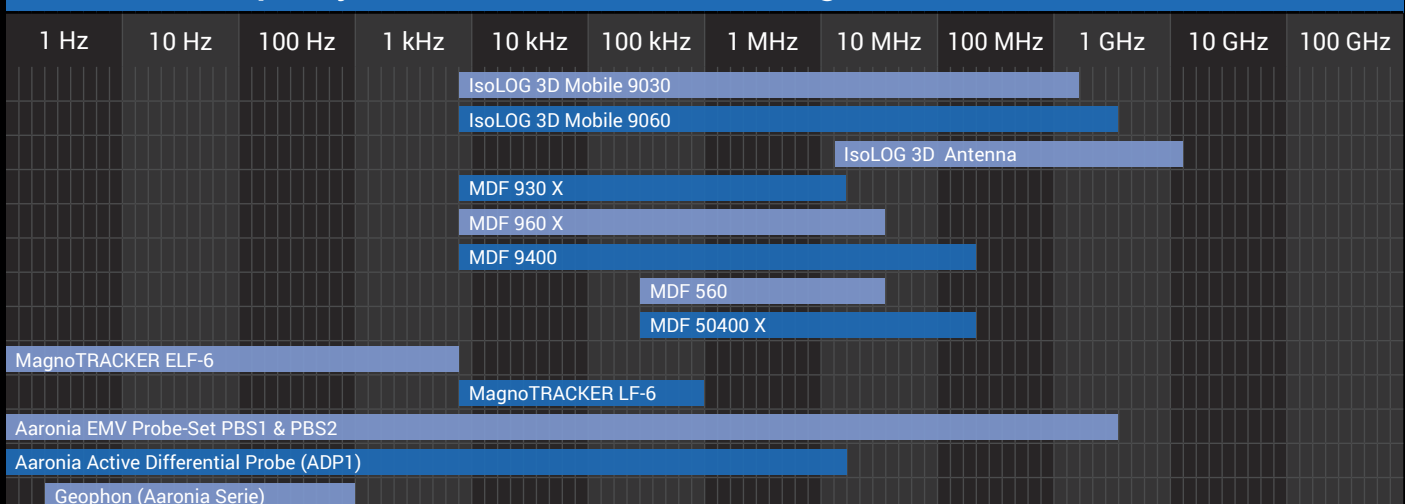
Frequency Overview SPECTRAN® Spectrum Analyzers



Frequency Overview HyperLOG®, BicoLOG® and PowerLOG® Antennas



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



References



Selected Aaronia Clients

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

