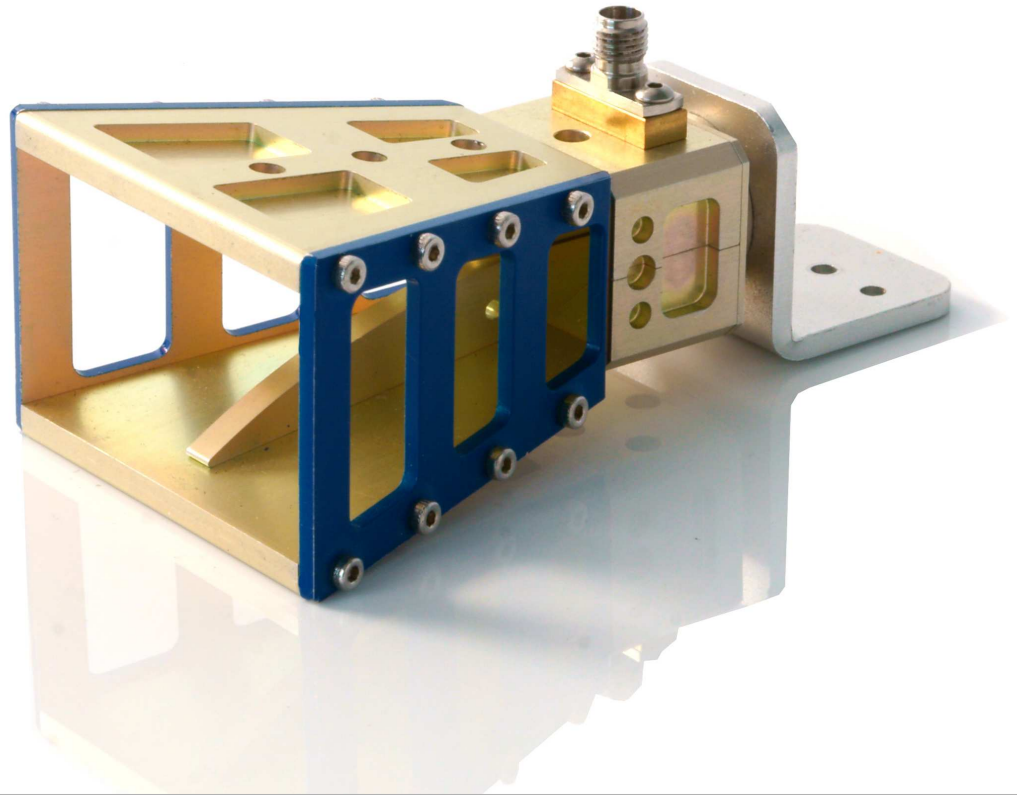

Rev 1.0
08.03.2016

Microwave Horn Antenna - PowerLOG® 40400

Frequency Range 4GHz to 40GHz, High Gain and High Max. Power

Highlights:

- Supports very high power up to 300W (peak)
- Ultra wide frequency range, 4GHz to 40GHz (usable & directional from 700MHz up)
- Incl. specific calibration data
- Perfectly usable for EMC immunity tests with very high field strength
- Very compact design, lightweight
- 10 years warranty
- Made in Germany

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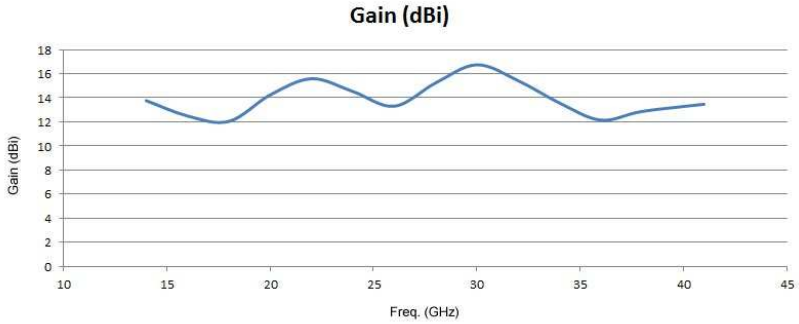
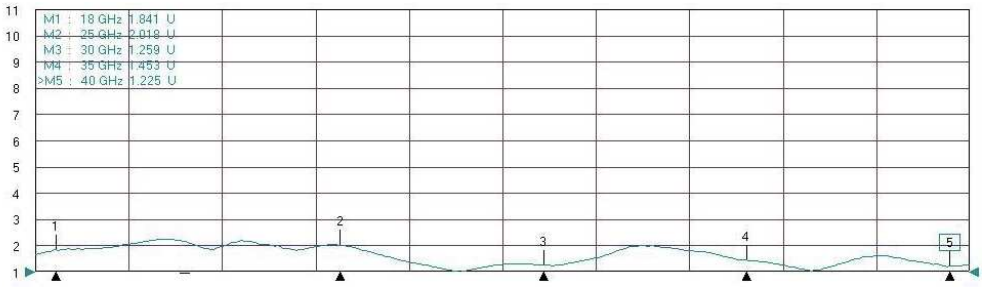
Made in Germany

PowerLOG 40400

- Frequency range: **4GHz - 40GHz** (usable & directional from
- 700MHz up, specific calibration data from 18GHz up)
- Max. Input Power: **300W (peak), 150W (CW)**
- Gain: **12 to 17dBi**
- VSWR (typ): < 2:1 (within 18 to 40GHz)
- Design: Double Ridge Horn
- Antenna Factor: 24 - 40dB/m
- Polarization: Vertical or Horizontal
- Vertical Beamwidth: 16 Deg
- Horizontal Beamwidth: 20 Deg
- Nominal impedance: 50 Ohm
- RF-connector: K (2.92mm), female
- Temperature range: - 10°C to +60°C
- Relative Humidity: 5% to 80%
- Dimensions (L/W/D): 74x55x38 mm
- Weight: 150g
- RoHs compliant
- Incl. Specific Calibration Data (18-40GHz) and mounting plate
- **Warranty: 10 years**



Gain PowerLOG 40400



VSWR PowerLOG 40400

References

Cross-Section of 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
- Indonesien Institute of Sience, Indonesia
- Los Alamos National Labratory, 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 Institute for Radio Astronomy, Germany
- Max-Planck Institute for Quantum Optics, Germany
- Max-Planck-Institute for Nuclear Physics, Germany
- Max-Planck-Institute for Iron Research, Germany
- Research Centre Karlsruhe, Germany

Industry

- APPLE, USA
- 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
- RTL Television, Germany
- Pro Sieben – SAT 1, Germany
- Channel 6, United Kingdom
- CNN, USA
- Duracell, USA
- German Telekom, Germany
- Bank of Canada, Canada
- NBC News, USA
- Sony, Germany
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