

# High Power Horn Antennas - PowerLOG® Series

Frequency Range 700MHz - 18GHz, High Gain and High Max. Power

## Highlights:

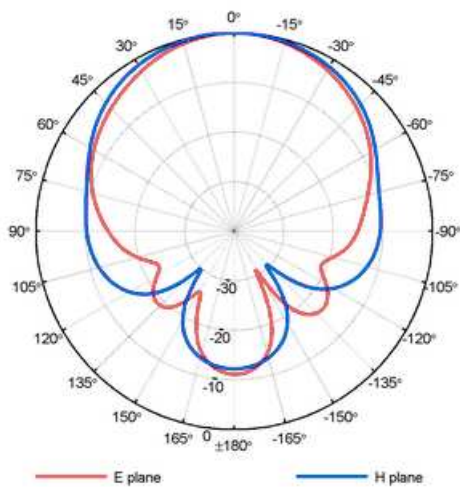
- ◆ Supports very high power up to 500W (peak)
- ◆ Ultra wide frequency range, max. 700MHz to 18GHz
- ◆ Incl. specific calibration data
- ◆ Perfectly usable for EMC immunity tests with very high field strength
- ◆ Robust N-connector (female)
- ◆ Compact design, lightweight
- ◆ 10 years warranty
- ◆ Made in Germany

Made in Germany

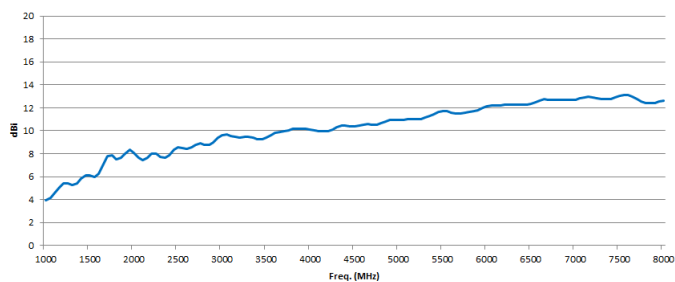


## PowerLOG 10800

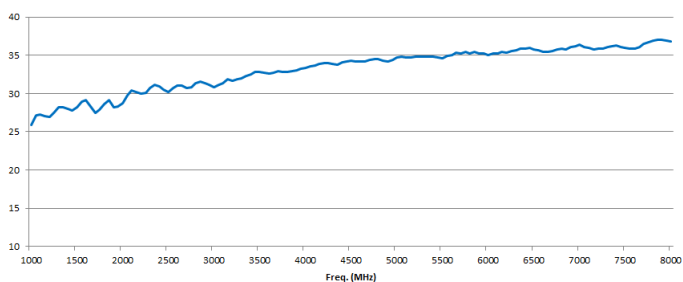
- ◆ Frequency range: **1GHz - 8GHz**
- ◆ Max. Input Power: **400W (peak), 200W (CW)**
- ◆ Gain: **4 to 13dBi**
- ◆ VSWR (typ): < 2,5:1
- ◆ Design: Double Ridge Horn
- ◆ Nominal impedance: 50 Ohm
- ◆ RF-connector: N (female)
- ◆ Temperature range: - 40°C to +85°C
- ◆ Dimensions (L/W/D): 235 x 252 x 175 mm
- ◆ Relative Humidity: 0% to 95%
- ◆ Weight: 1400gr
- ◆ RoHs compliant
- ◆ Incl. Specific Calibration Data and mounting plate
- ◆ **Warranty: 10 years**



Typ. 1GHz Pattern



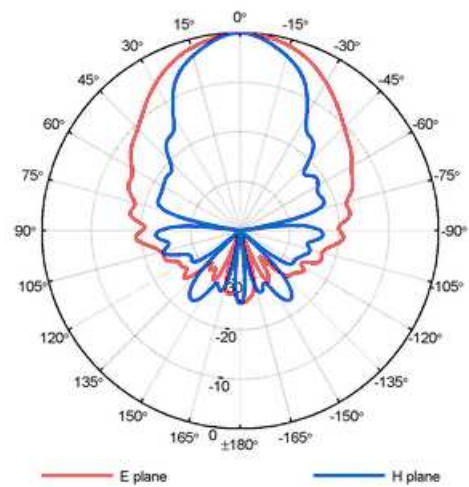
Gain PowerLOG 10800



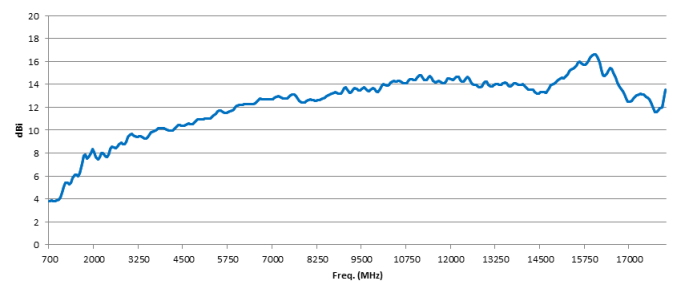
Antenna Factor PowerLOG 10800

## PowerLOG 70180

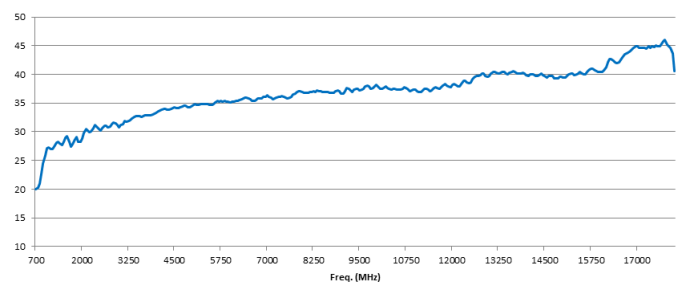
- ◆ Frequency range: **700MHz - 18GHz**
- ◆ Max. Input Power: **500W (peak), 300W (CW)**
- ◆ Gain: **2 to 17dBi**
- ◆ VSWR (typ): < 3:1
- ◆ Design: Double Ridge Horn
- ◆ Nominal impedance: 50 Ohm
- ◆ RF-connector: N (female)
- ◆ Temperature range: - 40°C to +85°C
- ◆ Dimensions (L/W/D): 235 x 252 x 175 mm
- ◆ Relative Humidity: 0% to 95%
- ◆ Weight: 1400gr
- ◆ RoHs compliant
- ◆ Incl. Specific Calibration Data and mounting plate
- ◆ **Warranty: 10 years**



Typ. 3GHz Pattern



Gain PowerLOG 70180



Antenna Factor PowerLOG 70180

# Recommended accessories for Aaronia PowerLOG

## Heavy Tripod (strongly recommended!)

Highly recommend for the usage of PowerLOG antennas. Quick and easy change of antenna polarization, perfect antenna handling. Robust and sturdy. Incl. transport bag.

Order/Art.-No.: 284



## SMA to N Adapter

This special high quality adapter allows operation of all PowerLOG®-Antennas with any spectrum-analyzer with SMA connector, e.g. the SPECTRAN series. Especially massive, chrome-plated design. This adapter is usable for very high frequencies up to at least 18GHz. Physical dimensions are just 30x20mm. Nominal impedance 50 Ohms. Layout: SMA socket (female) / N plug (male).

Order/Art.-No.: 770



## 1m / 5m / 10m SMA-Cable

High quality special SMA cable for connecting any PowerLOG®-Antenna with various test equipment like SPECTRAN RF Spectrum-Analyzer. You can choose between 3 different cables:

- 1m standard SMA cable (RG316U)
- 5m LowLoss SMA cable (especially low damping)
- 10m LowLoss SMA cable (especially low damping)

All versions: SMA plug (male) / SMA plug (male)  
(requires SMA to N Adapter for connection to PowerLOG)

Order/Art.-No.: 771 (1m Cable), 772 (5m Cable), 773 (10m Cable)



## 1m / 5m / 10m SMA-Cable with tightening nut

Same as above but incl. extremely practical tightening nut for easy installation of the cable without any additional tool. Guarantees no fumbling anymore!

All versions: SMA plug (male) / SMA plug (male)  
(requires SMA to N Adapter for connection to PowerLOG)

Order/Art.-No.: 771X (1m Cable), 772X (5m Cable), 773X (10m Cable)

