



Ultra-Broadband LogPer Antennas up to 35GHz HyperLOG® 30250 & 30350

Ultimate Functionality, Ultra Wideband, Compact & Directional

Highlights:

- Only a single broadband antenna for the complete frequency range from 380MHz to 35GHz
- Optimal for usage with spectrum analysers for EMC measurement
- Complete ISO calibration certificate (option)
- Top-quality high-tech TEFLON antenna support**
- Freely alignable polarisation
- Made in Germany
- 10 years warranty**

Calibration & standards:

The log-periodic precompliance test antenna of the HyperLOG® 30xxx series are suitable for interference field strength measurement. The specialized broadband characteristics allow measurements to be taken in the complete specified frequency range **without switching**.
These antennas are suitable for measurement according to the following standards and procedures:
CISPR, VDE, MIL, VG, EN 55011, EN 55013, EN 55015, EN 55022, MIL-Std-461.

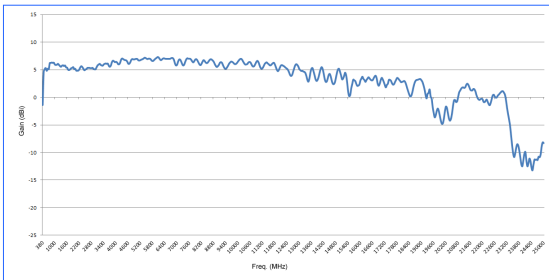
Included with delivery:

- HyperLOG® 30xxx-Antenna
- Typical calibration data with up to 693 calibration points (50MHz steps)
- Aluminum design carrycase with custom padding
- Sturdy, detachable pistol grip with "miniature tripod" mode
- Special Aaronia SMA toolset with over-torque protection

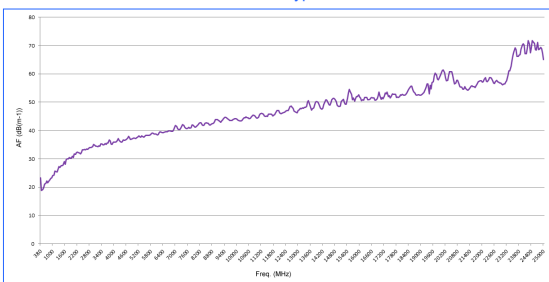
HyperLOG® 30250

- ◆ Design: Logarithmic-periodic
- ◆ Frequency range: **380MHz-25GHz**
- ◆ Max. transmission power: 100W CW (400 MHz)
- ◆ Nominal impedance: 50 Ohms
- ◆ VSWR (typ.): <math><1:2\text{dB}</math>
- ◆ Gain (typ.): 5dBi
- ◆ Calibration points: **493** (50MHz-steps)
- ◆ RF connection: SMA (female) or N via Adapter
- ◆ Dimensions (L/W/D): (590x360x30) mm
- ◆ Weight: 1000gr
- ◆ **Warranty: 10 years**

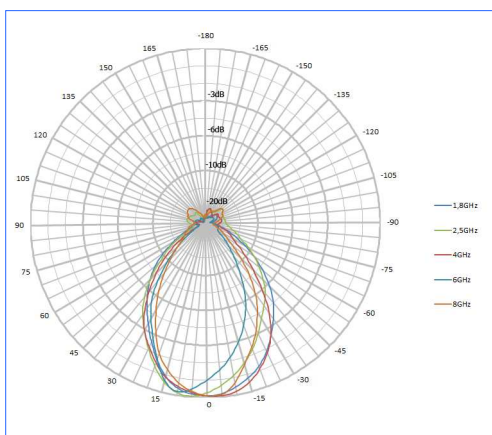
Gain Diagram HyperLOG 30250



Antenna Factor HyperLOG 30250



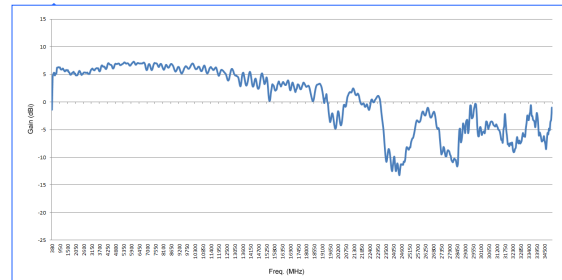
Horizontal Pattern HyperLOG 30xx Serie



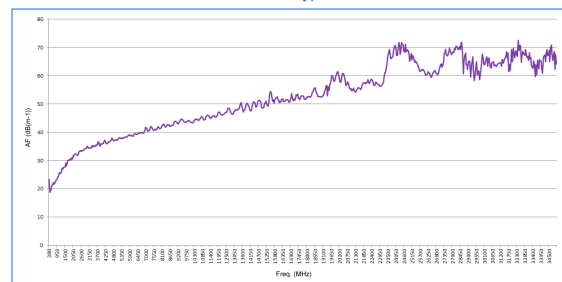
HyperLOG® 30350

- Design: Logarithmic-periodic
- Frequency range: **380MHz-35GHz**
- Max. transmission power: 100W CW (400 MHz)
- Nominal impedance: 50 Ohms
- VSWR (typ.): <math><1:2\text{dB}</math>
- Gain (typ.): 5dBi
- Calibration points: **693** (50MHz-steps)
- RF connection: SMA (female) or N via Adapter
- Dimensions (L/W/D): (590x360x30) mm
- Weight: 1000gr
- Warranty: 10 years**

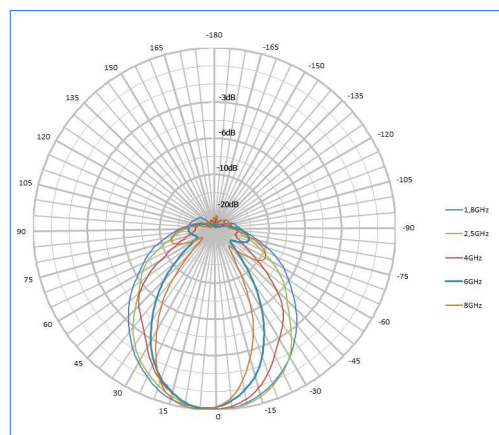
Gain Diagram HyperLOG 30350



Antenna Factor HyperLOG 30350



Vertikal Pattern HyperLOG 30xx Serie



Description



HyperLOG 30xxx antenna with optional aluminum tripod

The HyperLOG® antennas come standard with a specially constructed, high tech radom housing. This housing has been constructed after intense research with the most modern computer technology in such a way that its shape, material and special coating have virtually no influence on measurements, not even in case of dew or other kinds of humidity collecting on the surface. Another important factor for Aaronia was the development of a radom with the lowest possible damping factor achievable. This turned out to be quite an adventure for our development team, particularly in the high GHz ranges. Fortunately, this adventure has been mastered resulting in a beautiful, elegant design, to the complete satisfaction of the development team. Our first test measurements even by far surpassed our guidelines!

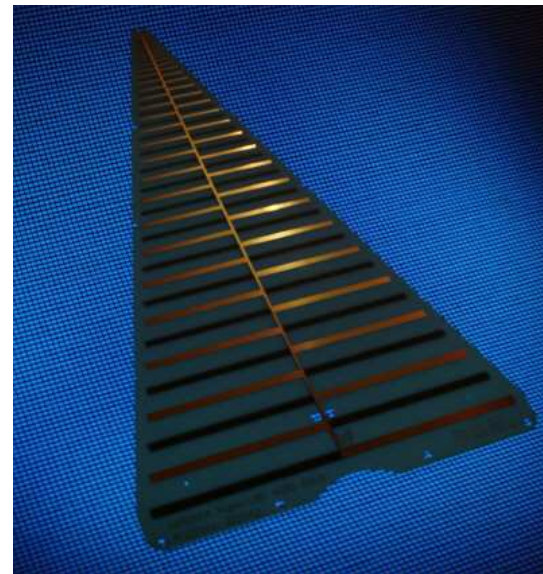
The resulting antenna had the best possible protection against mechanical stress and environmental influence without sacrificing any of its performance.



Lot of space for optionally accessories:
The HyperLOG® transportcase

With their log-periodic measurement antennas from the HyperLOG® 30xxx series, Aaronia finally offers a very cost-effective alternative, which at the same time meets the highest expectations. In conjunction with the HyperLOG® antennas, every regular spectrum analyser becomes a fully professional directional RF measurement device within a few moments. Thus, a perfect "dream team" for EMC measurement in the laboratory or for outdoor use is at your disposal.

The TEFLON LogPer antennas of the HyperLOG® 30xxx series are identical to those of the 60xxx series, but have an enhanced frequency range down to 380MHz, particularly for coverage of the important TETRA band. After a huge amount of complex development, a whole series of truly high-tech antennas has evolved, with an exceptional mix of performance, functionality and design in this price category.



Gold-coated, protected TEFLON precision antenna

Included with delivery: A sturdy aluminum design carrycase with custom padding for the antenna, cables and accessories. Furthermore, every antenna of the HyperLOG® 30xxx series includes a detachable multi-functional pistol grip with "miniature-tripod" mode and an appropriate SMA toolset.