



Rev 1.1
08.09.2014

Omni-directional Broadband Antenna OmniLOG® 30800

Frequency Range 300MHz - 8GHz, High Gain

Highlights:

- ◆ Wide frequency range 300MHz to 8GHz
- ◆ Perfectly usable with Spectrum Analyzers for omnidirectional measurements
- ◆ SMA-connector with heavy-duty 90° knuckle base
- ◆ Very compact design, lightweight
- ◆ 10 years warranty
- ◆ Made in Germany



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Ultra Broadband - Without Compromise

Aaronia introduces the new ultra-broadband OmniLOG 30800, a small and compact broadband omnidirectional antenna designed to measure field strength without the need to move the antenna to the source.

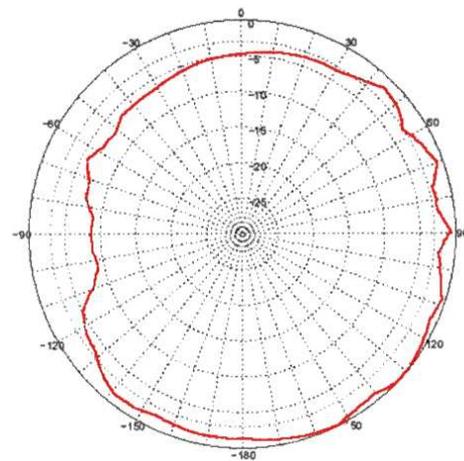
The OmniLOG 30800 antenna allows a direct field strength reading useful for measurements of exposure limits. Measuring 173mm x 63mm x 9mm (LxWxH) and weighing 54g, the antenna covers a wide frequency range of 300MHz to 8GHz. Unless it's very compact size it reaches a very high gain of up to -3dB. The frequency range covers the complete 2G/3G/4G cellular, 2,4GHz / 5GHz Wi-Fi, ISM 434, ISM 868 etc. and GPS / GNSS bands within its range.

Features also include linear polarisation, impedance of 50 Ohms, operating temperature range of -40°C to +85°C, and SMA (male) RF connection. The antenna offers a heavy-duty 90-degree knuckle base with the SMA connector. The knuckle base is freely adjustable into each position and fixed by two special ball pressure screws.

The OmniLOG 30800 antennas fit perfectly to any Spectrum Analyzer and can also be used with any Oscilloscope or RF Meter. Aaronia's PC analysis software MCS is fully supported allowing to use the antenna for field strength measurement.

Technical Data

- ◆ Frequency range: 300MHz - 8GHz
- ◆ Design: Omni-directional
- ◆ Nominal impedance: 50 Ohm
- ◆ Polarisation: Linear
- ◆ VSWR (typ): < 3:1
- ◆ Max. Input Power: 5 Watts
- ◆ RF-connector: SMA (male)
- ◆ Temperature range: - 40°C to +85°C
- ◆ Dimensions (L/W/D): 173 x 62 x 9 mm
- ◆ Relative Humidity: 0% to 95%
- ◆ Weight: 54gr
- ◆ RoHs compliant
- ◆ **Warranty: 10 years**



Typ. Horizontal Pattern

