6509 LOOP ANTENNA

Frequency Range: 1 kHz - 30 MHz. The Model 6509 is a passive loop antenna designed for shielding effectiveness and immunity.

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Key Features

- Individually Calibrated
- Switchable four-band transformer
- Two Year Warranty

Description

The base of the Model 6509 loop antenna contains a type N female connector and a manually switchable four-band transformer. The transformer gives the antenna greater efficiency resulting in a better conversion of power to field strength.

Every loop antenna is individually calibrated in accordance with the IEEE-291 Section 2.3.1 methods, using NIST traceable equipment. By knowing the actual antenna factors and performance characteristics of an antenna instead of typical data, you can more accurately measure field strength in your tests.

Standard Configuration

- Mounting Bracket drilled accepts an ETS-Lindgren or other tripod mount with standard 1/4 in x 20 threads.
- Antenna/loop assembly

Options

- Individually calibrated per IEEE STD 291. Actual individual calibration factors and signed Certificate of Calibration Conformance included in Manual.
- Custom cases are available on request.

Electrical Specifications

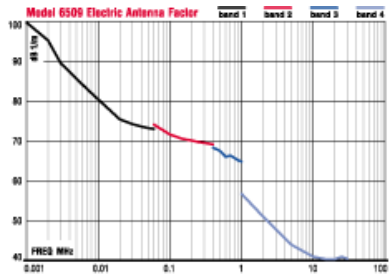
Frequency Minimum	1 kHz
Frequency Maximum	30 MHz
Connectors	Type N (f)
Impedance (Nominal)	50 Ω
Maximum Input Power	1 kW
Pattern Type	omnidirectional
Polarization	linear

Physical Specifications

Length	7.6 cm (2.99 inches)
Weight	1.3 kg (2.87 lb)
Width	8 cm (3.15 inches)

Technical Charts

6509 Electric Antenna Factor



6509 Magnetic Antenna Factor