ATH400M1G

- M1
- Antenna
- 400MHz—1000MHz

Features

The Model ATH400M1G is a high gain horn antenna specially designed for use in RF Susceptibility Testing. Its high gain characteristics permit achievement of higher electric fields per watt of input power. Exhibiting generally increasing gain with increasing frequency, the ATH400M1G helps compensate for losses that occur elsewhere in an RF test system at high frequencies. The Model ATH400M1G is intended for use with the 2000W1000 and other high power amplifiers.

The ATH400M1G can also be custom calibrated to the user's requirement for use in RF emission testing. The calibrated model is designated by adding a 'CC' suffix to the model. Calibration details must be provided using Form 701. Contact factory for details.

The export classification for this equipment is EAR99. These commodities, technology or software are controlled for export in accordance with the U.S. Export Administration Regulations. Diversion contrary to U.S. law is prohibited.

POWER VS. FREQUENCY
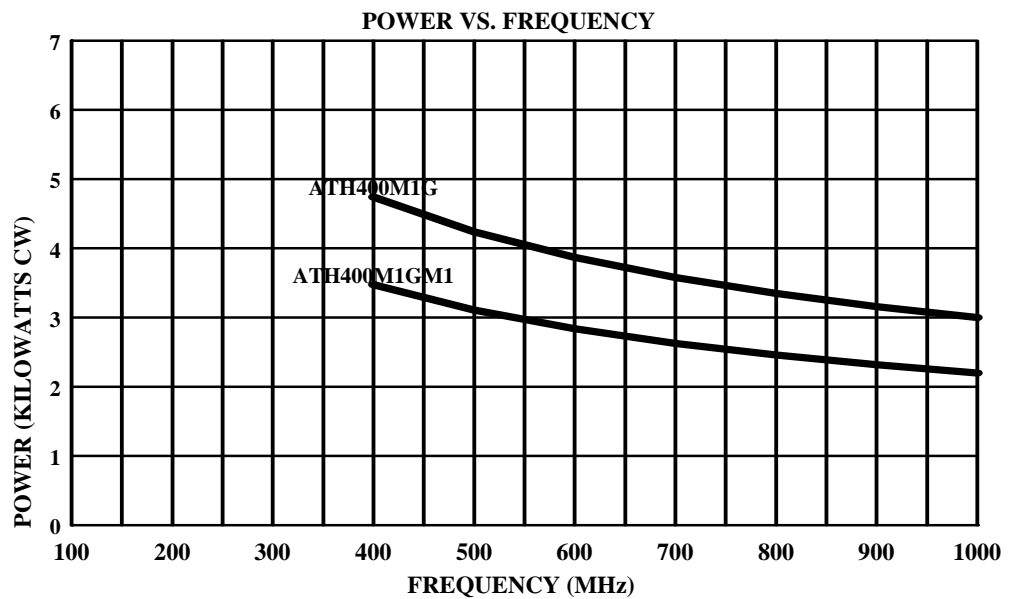
AR RF/Microwave
Instrumentation
160 School House Rd
Souderton, PA 18964
215-723-8181

For an applications engineer call:800.933.8181

www.arworld.us

rf/microwave instrumentation

Specifications and Graphs

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FREQUENCY RANGE: 400-1000MHz

POWER INPUT: See graph

POWER GAIN (over isotropic): 10 dBi minimum, typically increasing to 15 dBi at 1000MHz

IMPEDANCE: 50 ohms nominal

VSWR: Maximum 2.5:1; Average 1.5:1

BEAMWIDTH (average): See curve

CONNECTOR: Quick change block. See Model Configurations.

MOUNTING PROVISIONS: Rear flange for wall mount. Pads with 1/4-20 thread for tripod mount.

WEIGHT: 9.1 kg (20 lbs)

SIZE (W x H x D): 56.4 x 79.3 x 73.7 cm (22.2 x 31.2 x 29 in

EXPORT CLASSIFICATION: EAR99

Model Number	Connector	CW Power Input
ATH400M1G	1-5/8 EIA flange	3000 watts max (See graph)
ATH400M1GM1	7-16 DIN female	2200 watts max (See graph)

ATH400M1G 3dB Beamwidth

FIELD STRENGTH MEASURED AT 1 METER

FIELD STRENGTH MEASURED AT 3 METERS
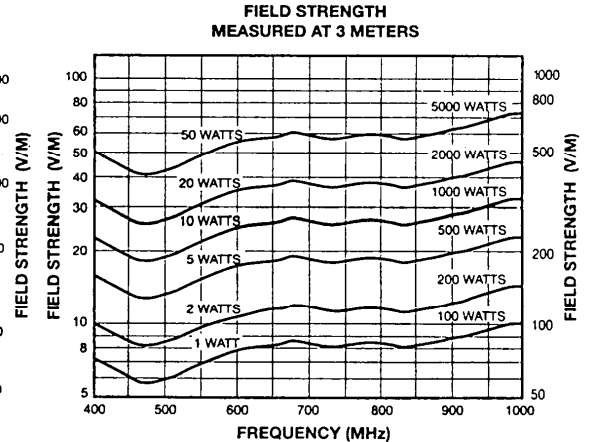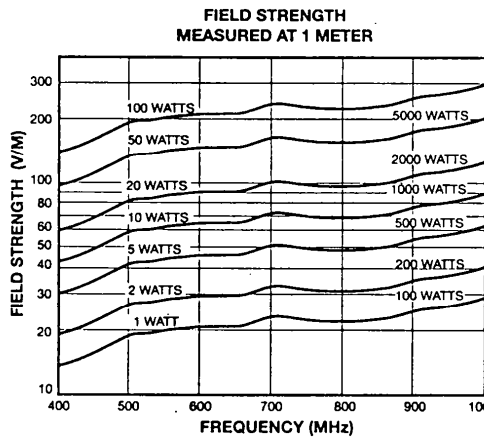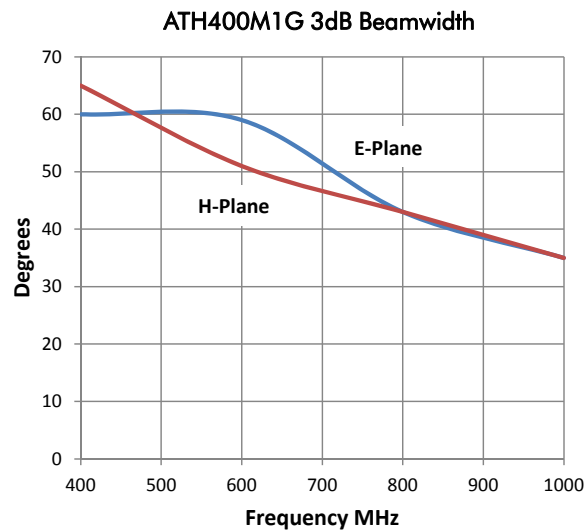
Field strengths have been measured in free-space conditions. Individual shielded rooms, amplifiers, and test-system conditions will influence performance. Field strength also varies with frequency and position of antenna and EUT in non-anechoic testing environment.

To order AR Products, call 215.723.8181. For an applications engineer call:800.933.8181. Direct to Service call: 215.723.0275 or email: service@arworld.us For Faxing Orders:866.859.0582 (Orders Only Please) info@arworld.us
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