



**Model ATH400M1G,
M1 through M3
Antenna
400MHz-1000MHz**

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 desired model version. 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.

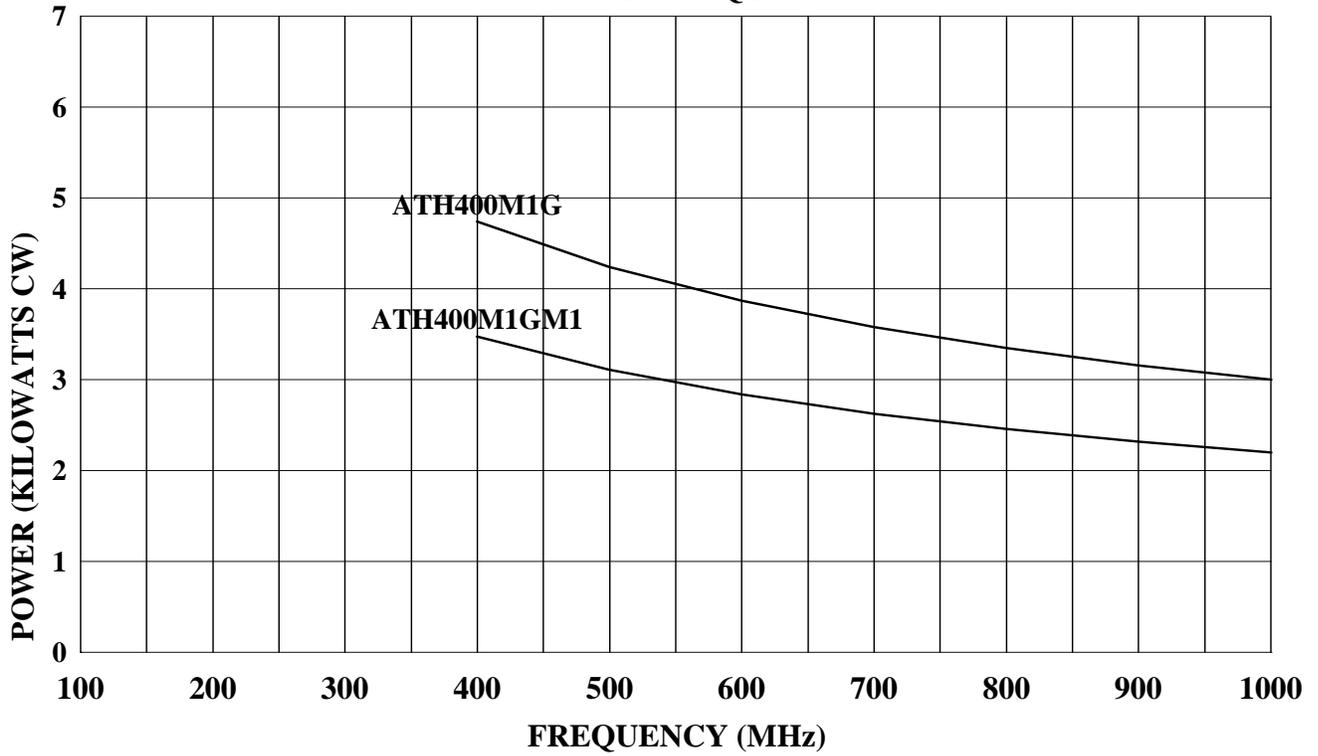
SPECIFICATIONS

FREQUENCY RANGE	400-1000 MHZ
POWER INPUT	See Graph
POWER GAIN	10 dB minimum typically increasing to 15 dB at 1000 MHz
IMPEDANCE	50 ohms nominal
VSWR	2.5:1 maximum 1.5:1 average
BEAMWIDTH (Front to Back)	Typical curves available on request
CONNECTOR	Quick change block (See Model Configurations)
MOUNTING PROVISIONS.....	Rear flange for wall mount Pads with 1/4 - 20 thread for tripod mount
WEIGHT (maximum)	9.1 kg (20 lbs)
DIMENSIONS (W x H x D)	56.4 x 79.3 x 73.7 cm (22.2 x 31.2 x 29.0 in)

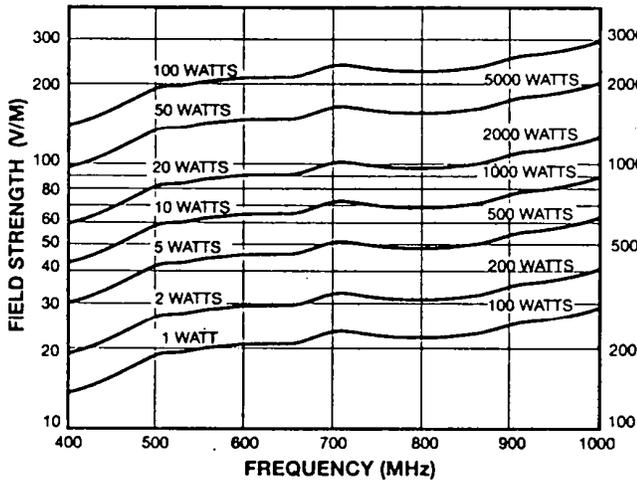
MODEL CONFIGURATIONS

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

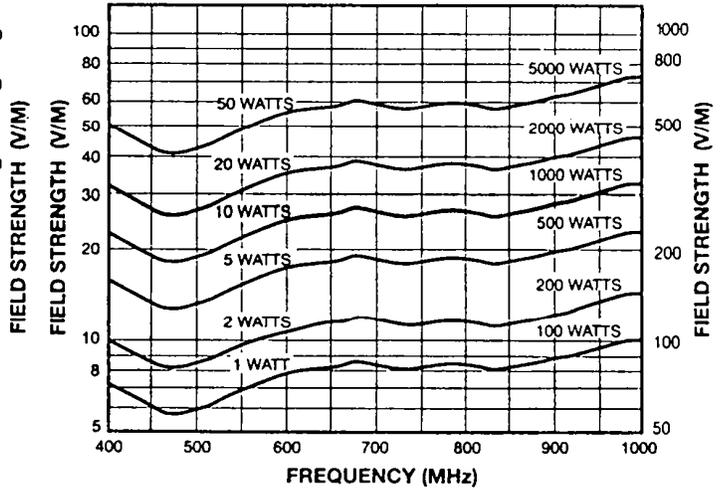
POWER VS. FREQUENCY



**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 environments.