



## Accessories

### Model ATH200M1G Antenna

#### Features:

- 200 MHz to 1000 MHz
- 5000 Watts CW
- M1 through M5 Flexible Configurations

#### Applications:

- RF Susceptibility testing optimized for use with AR 2000W1000 & 3000W1000 models

To view our full accessories portfolio visit:  
[www.ar.ametek-cts.com](http://www.ar.ametek-cts.com)

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ISO 9001:2015 Certified  
ISO 17025 :2017 Accredited

The Model ATH200M1G high-gain horn antenna exhibits increasing gain with increasing frequency (up to 18dB at 1000MHz). With this useful performance characteristic, the antenna helps compensate for losses that occur elsewhere in an RF test system - losses which generally increase with frequency.

The Model ATH200M1G is well suited for either shielded rooms or free space testing. Optimum performance is achieved when it is used with our Model 2000W1000 or for even higher fields, our Model 3000W1000 broadband amplifier for RF susceptibility testing.

In shielded rooms, reflections and room losses may reduce the available field. AR suggests a design safety factor of 100% in the selection of power amplifiers.

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.

Model ATH200M1G

- 5000 W CW
- 20 - 1000 MHz

Specifications	
Parameter	Specifications
Frequency Range	200 – 1000 MHz
Power Input	See Graph (Figure 1)
Power Gain	10dBi minimum, typically increasing to 18dBi at 1000MHz
Impedance	50 ohms nominal
VSWR	2.5:1 maximum 1.5:1 average
Beamwidth (front to back)	Typical curves available on request
Connector	See Model Configuration
Mounting Provisions	Pads with 3/8-16 thread and hole pattern for stand mounting vertically or horizontally

Mechanical Specifications		
Parameters		Unit
Size (W x H x D)	109.2 x 145.8 x 175.3	cm
	43.0 x 57.0 x 69.0	in
Weight	46	kg
	100	lb

Model Configurations			
Model Number	Connector	Power Input	Tripod and Adapter
ATH200M1G	1 5/8 EIA Flange	See Graph (Figure 1)	Included
ATH200M1GM1	7-16 DIN Female	See Graph (Figure 1)	Included
ATH200M1GM2	1 5/8 EIA Flange	See Graph (Figure 1)	Not Included
ATH200M1GM3	7-16 DIN Female	See Graph (Figure 1)	Not Included
ATH200M1GM4	LC Female	See Graph (Figure 1)	Included
ATH200M1GM5	LC Female	See Graph (Figure 1)	Not Included

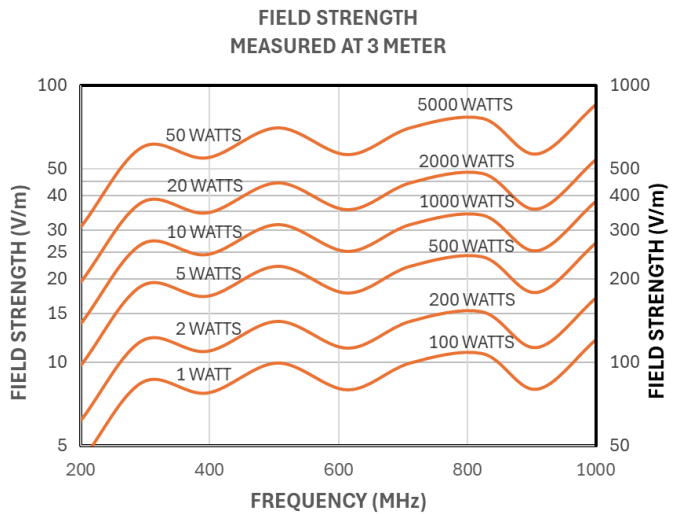
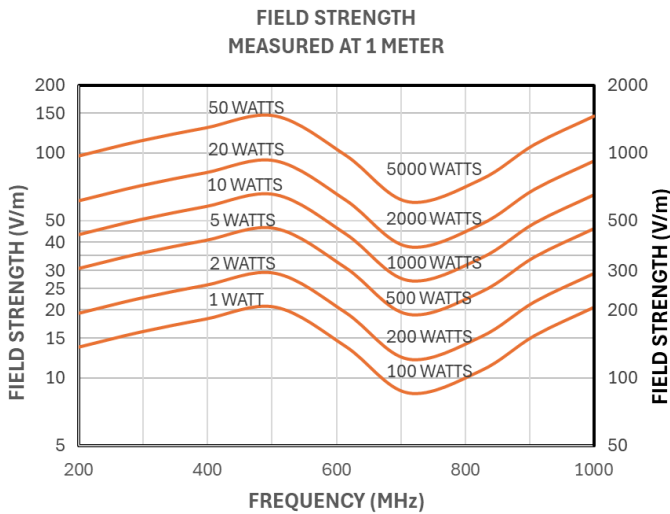
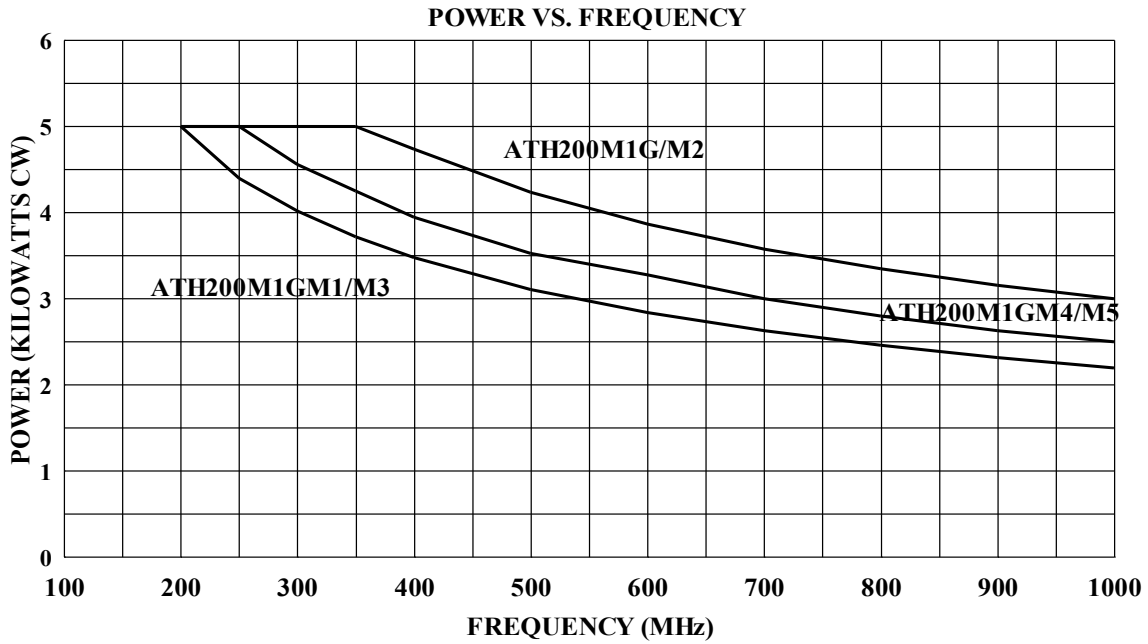
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Direct to Service call: 215.723.0275 or email: [air-service@ametek.com](mailto:air-service@ametek.com)

Revision 082725



- 5000 W CW
- 20 - 1000 MHz



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.