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MODEL AT4000
 ANTENNA
 1500 WATTS CW
 200 - 1000 MHz

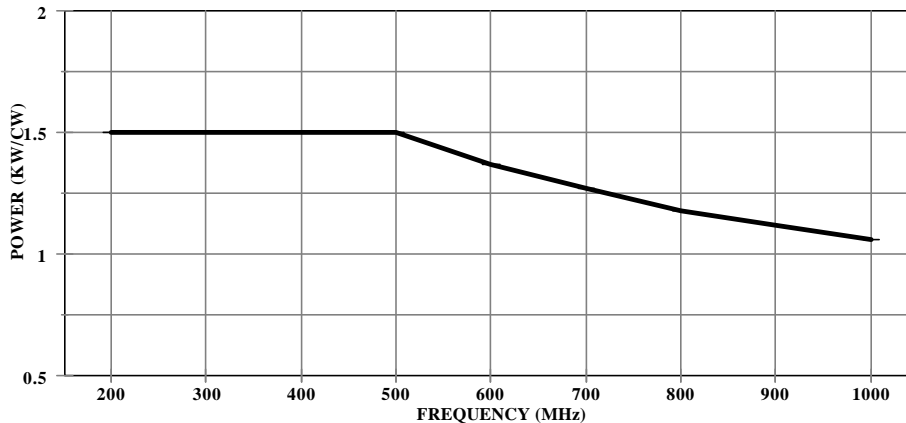
The Model AT 4000 high-gain horn antenna exhibits increasing gain with increasing frequency (up to 18 dB at 1000MHz). With this useful performance characteristic the antenna helps compensate for losses that occur elsewhere in an RF test system – losses which generally increase with frequency.

The Model AT4000 is well suited for either shielded room or free space testing. Optimum performance is achieved when it is used with our new Model 1000W1000A broadband amplifier for RF susceptibility testing.

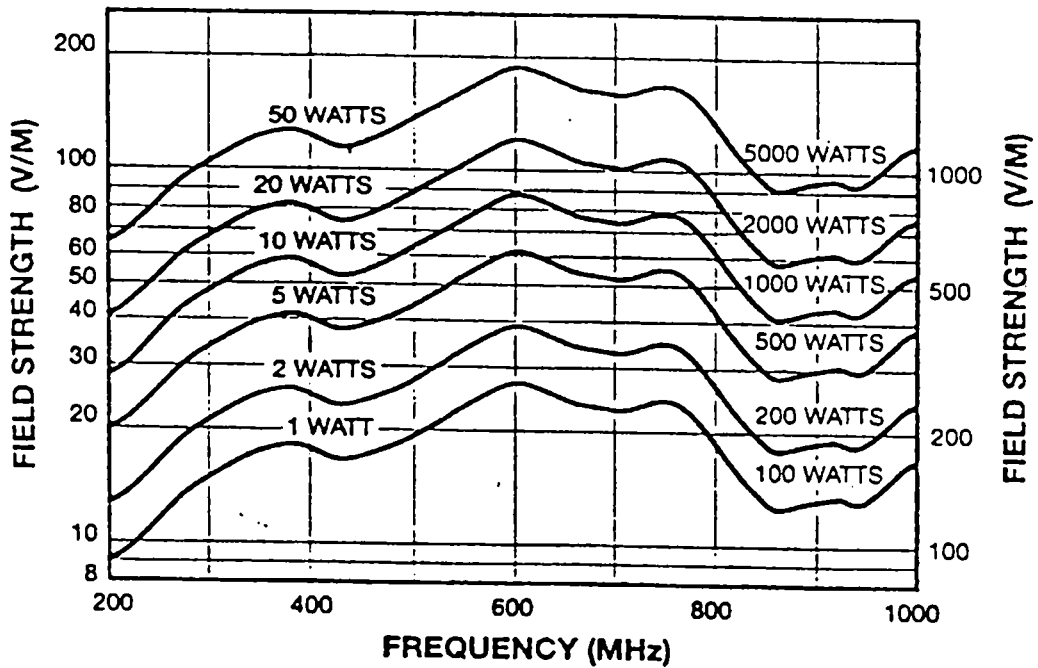
In shielded rooms, reflections and room losses may reduce the available field. Amplifier Research suggests a design safety factor of 100% in the selection of power amplifiers.

SPECIFICATIONS

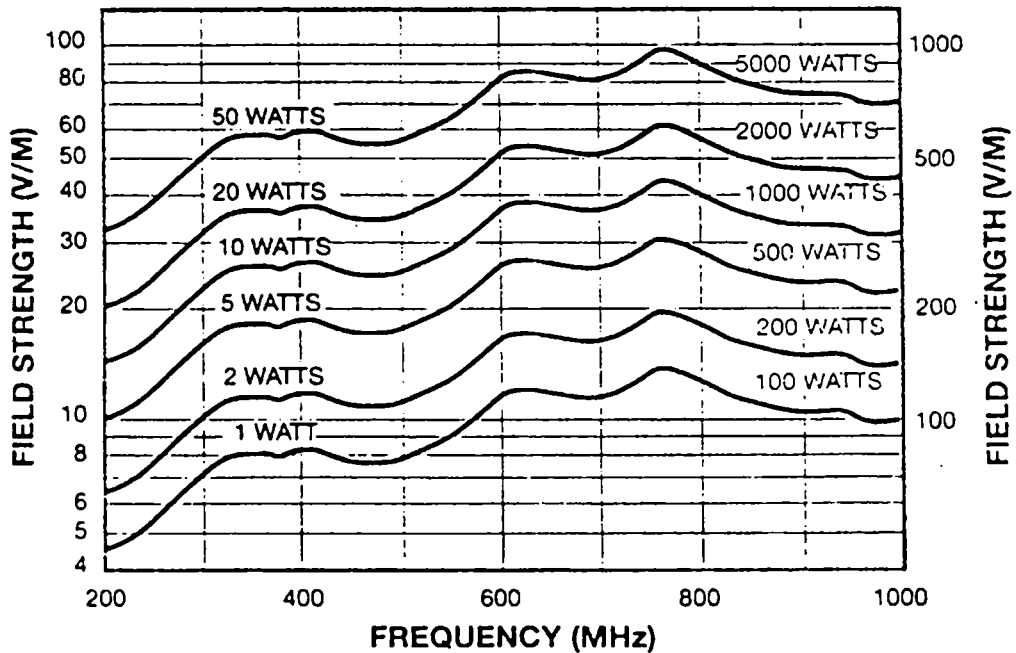
<i>FREQUENCY RANGE</i>	<i>200 - 1000 MHz</i>
<i>POWER INPUT(maximum)</i>	<i>See Graph</i>
<i>POWER GAIN</i>	<i>10dB minimum, typically increasing to 18dB at 1000MHz</i>
<i>IMPEDANCE</i>	<i>50 ohms nominal</i>
<i>VSWR</i>	<i>2.5:1 maximum 1.5:1 average</i>
<i>BEAMWIDTH (front to back)</i>	<i>Typical curves available on request</i>
<i>CONNECTOR</i>	<i>Type C female</i>
<i>MOUNTING PROVISIONS</i>	<i>Pads with 3/8-16 thread and hole pattern for stand mounting vertically or horizontally. Drawing 1003949 available upon request.</i>
<i>WEIGHT</i>	<i>46 kg (100 lb)</i>
<i>SIZE (WxHxD)</i>	<i>109.2 x 145.8 x 175.3 cm. 43.0 x 57.0 x 69.0 in.</i>



**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.