



**Model ATH4G8, M1, M2  
Antenna  
4 GHz–8GHz**

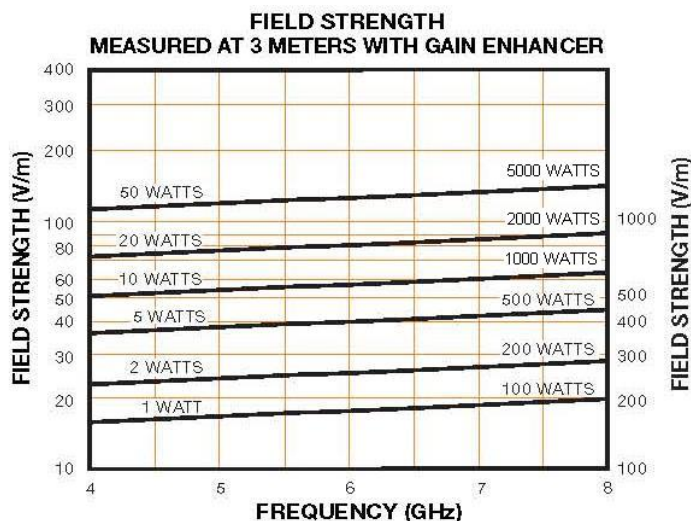
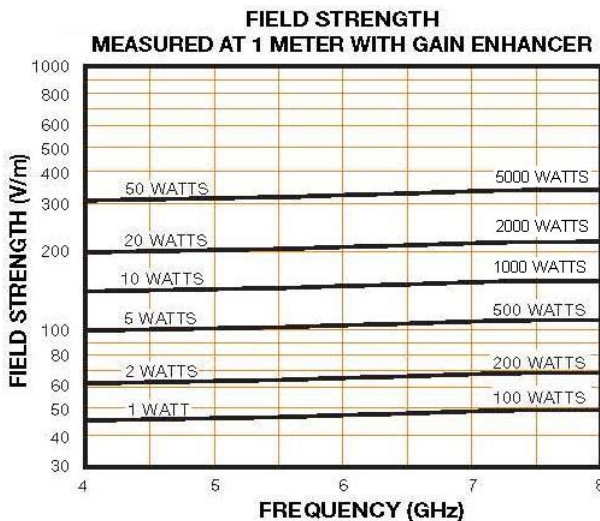
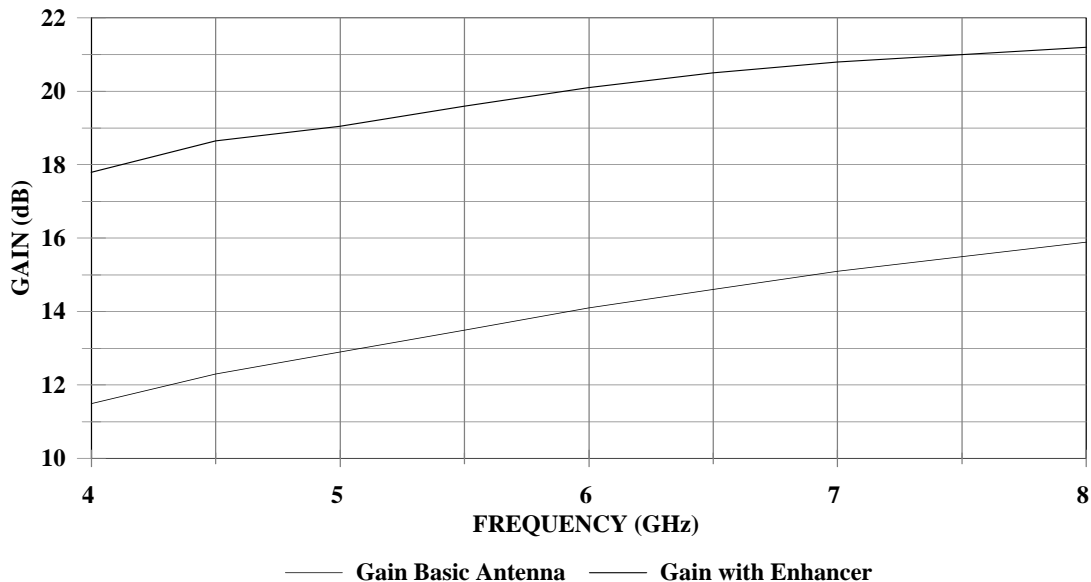
The Model ATH4G8 is a wide band, high gain, microwave horn antenna that provides a minimum gain of 11.5dB over isotropic. The Model ATH4G8 supplies the constant high intensity fields necessary for RFI/EMI field testing within and beyond the confines of a shielded room. A removable gain enhancer is included to insure the required field strength when conducting 3 meter testing. The Model ATH4G8 is compact and light weight for ready mobility, yet is built tough enough for the extra demands of outdoor use and easily mounts on a tripod. Part of a family of microwave frequency antennas the Model ATH4G8 provides the 4-8GHz response required for many often-used test specifications.

**SPECIFICATIONS**

- FREQUENCY RANGE .....4-8GHz
- POWER INPUT (maximum) .....See Model Configuration
- POWER GAIN (over isotropic) .....See Curve
  - With removable gain enhancer .....See Curve
- IMPEDANCE .....50 ohms nominal
- VSWR
  - Maximum .....1.6:1
  - Average.....1.3:1
- BEAM WIDTH (average)
  - E Plane .....See Curve
  - H Plane .....See Curve
- FRONT TO BACK RATIO (minimum) .....20 dB
- CONNECTOR .....See Model Configuration
- MOUNTING PROVISIONS.....May also be tripod mounted in two perpendicular planes using optional tripod.
- WEIGHT (with enhancer) .....2.27 kg (5.0 lbs)
- SIZE (WxHxD)
  - (without gain enhancer) .....7.62 x 10.3 x 15.14 cm (3.00 x 4.06 x 5.96 in)
  - (with gain enhancer).....21.6 x 21.6 x 30.5 cm (8.5 x 8.5 x 12 in)

Model Number	MODEL CONFIGURATIONS	
	Connector	Power
ATH4G8	N(F)	500 watts
ATH4G8M1	SMA(F)	120 watts
ATH4G8M2	7-16(F)	1200 watts (15kW peak pulse @ 8GHz)

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