



**Model ATH2G8A  
Antenna  
2.5GHz–7.5GHz**

The Model ATH2G8A is a wide band, high gain, high power microwave horn antenna that provides field intensities of up to 500 V/m. With a typical gain of 14dB over isotropic, the Model ATH2G8A supplies the high intensity fields necessary for RFI/EMI field testing within and beyond the confines of a shielded room. The Model ATH2G8A is compact and light weight for ready mobility, yet is built tough enough for the extra demands of outdoor use. Part of a family of microwave frequency antennas the Model ATH2G8A provides the 2.5-7.5GHz response required for many often used test specifications.

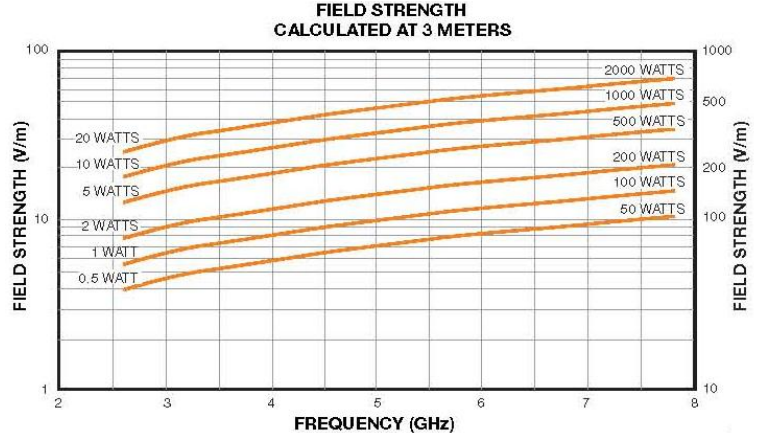
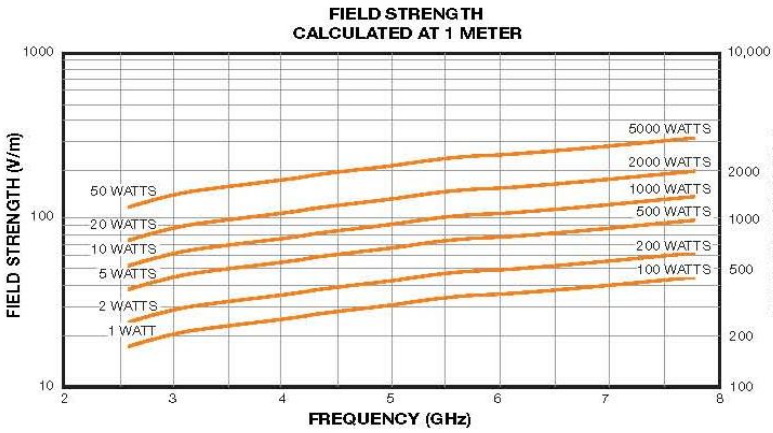
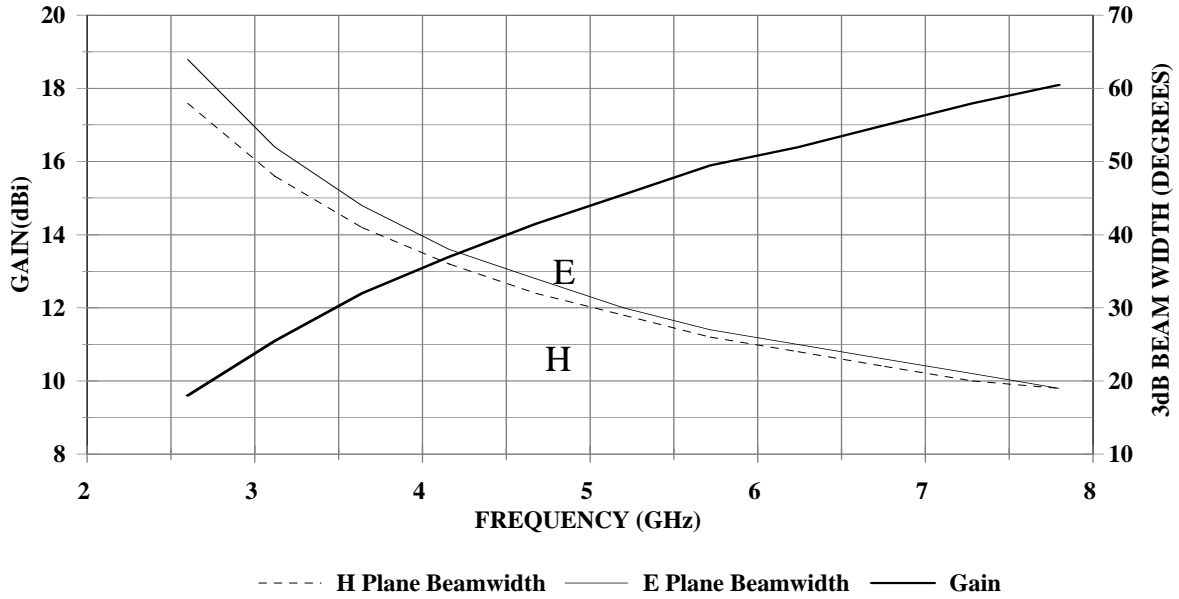
The ATH2G8A is ideally suited for use with the AR model 1000T2G8B and other high power amplifiers in this frequency and power range.

The export classification for this antenna 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 .....	2.5–7.5GHz
POWER INPUT (maximum) .....	12.0 kW CW
POWER GAIN (over isotropic) .....	See Curve
VSWR	
Maximum .....	1.8:1
Average.....	1.3:1
BEAM WIDTH (average)	
E Plane .....	See Curve
H Plane .....	See Curve
CONNECTOR .....	WRD-250 D30 Waveguide
MOUNTING PROVISIONS.....	Waveguide flange
WEIGHT .....	1.18 kg (2.6 lbs)
SIZE (WxHxD).....	12.2 x 9.9 x 20.3 cm (4.8 x 3.9 x 8 in)
EXPORT CLASSIFICATION .....	EAR99

### ATH2G8A GAIN & 3 dB BEAM WIDTH VS FREQ



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.