



ATH2G8A-1

- Antenna
- 2.5–7.5 GHz

Features

The Model ATH2G8A-1 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 18dB over isotropic, the Model ATH2G8A-1 supplies the high intensity fields necessary for RFI/EMI field testing within and beyond the confines of a shielded room. The Model ATH2G8A-1 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-1 provides the 2.5-7.5GHz response required for many often used test specifications.

The ATH2G8A-1 is ideally suited for use with the AR model 1000T2G8B and other high power amplifiers in this frequency and power range. The ATH2G8A-1 is a higher-gain version of the ATH2G8A, and thus is ideal for generating the high field levels necessary for performing tests such as MIL-STD-461.

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

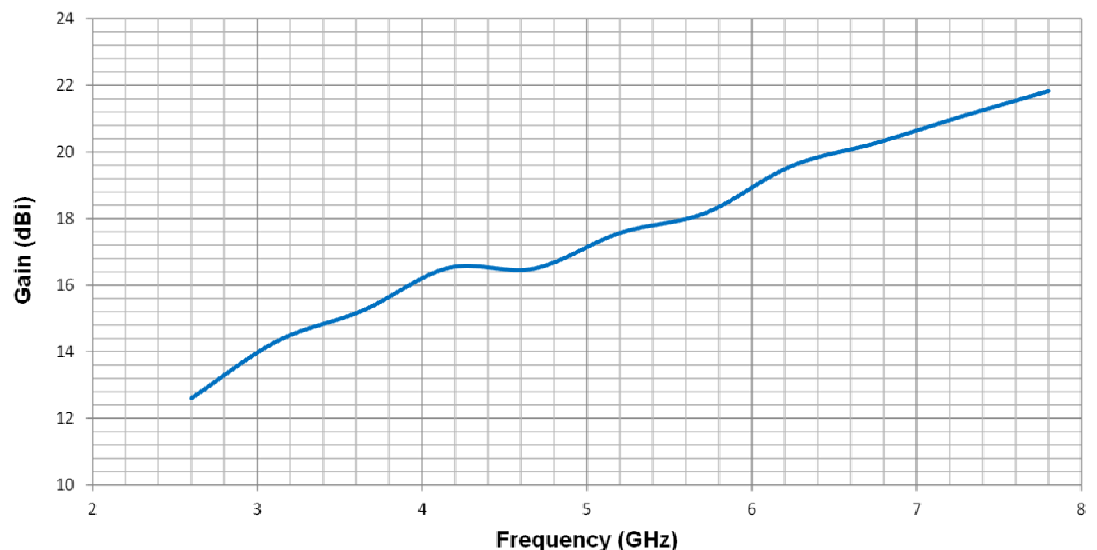
MOUNTING PROVISIONS: Waveguide flange

WEIGHT: 1.8 kg (4 lbs)

SIZE (WxHxD): 18 x 14.5 x 33.5 cm (7.1 x 5.7 x 13.2 in)

EXPORT CLASSIFICATION: EAR99

ATH2G8A-1 Gain



AR RF/Microwave
Instrumentation
160 School House Rd
Souderton, PA 18964
215-723-8181

For an applications engineer call: 800.933.8181

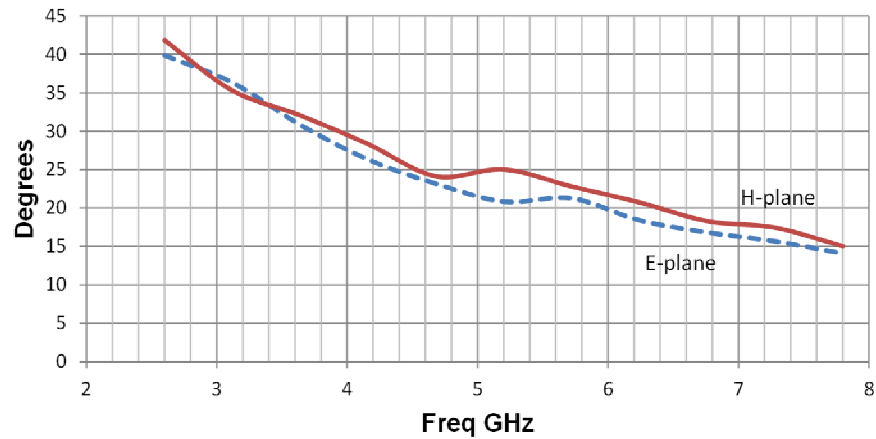
www.arworld.us



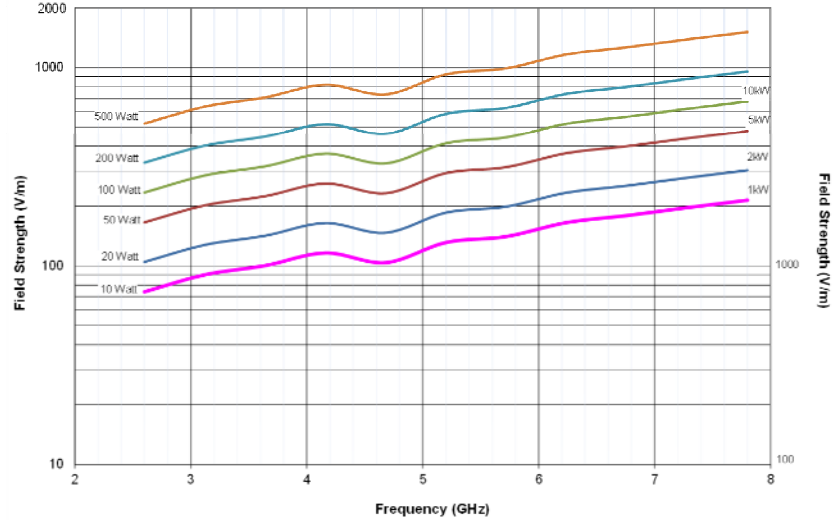
ATH2G8A-1

- Antenna
- 2.5–7.5 GHz

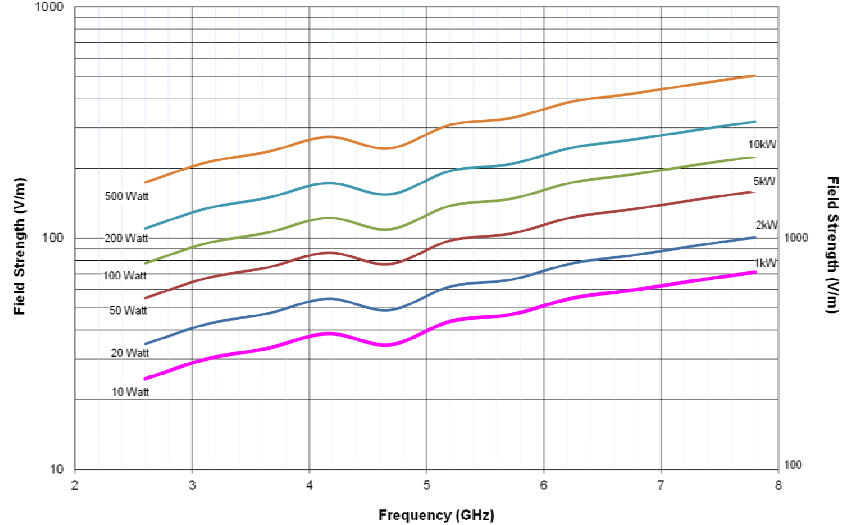
ATH2G8A-1 3dB Beamwidth



ATH2G8A-1 Calculated 1 Meter Field Strength



ATH2G8A-1 Calculated 3 Meter Field Strength



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.