



ATH18G27A-1 Antenna

• 18GHz-26.5GHz

Features

The Model ATH18G27A-1 is a wide band, low gain, wide beamwidth, high power micro-wave horn antenna. With a minimum gain of 8.7dB over isotropic, the Model ATH18G27A-1 supplies the high intensity fields necessary for RFI/EMI field testing within and beyond the confines of a shielded room. The Model ATH18G27A-1 is extremely compact and light weight for ready mobility, yet is built tough enough for the extra demands of outdoor use and easily mounts on a rigid waveguide by the waveguide flange. Part of a family of micro-wave frequency antennas, the Model ATH18G27A-1 provides the 18.0-26.5GHz response required for many often used test specifications.

The ATH18G27A-1 is ideally suited for use with the AR Models 40T18G26A and other high power amplifiers in this frequency range.

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.

Specifications

FREQUENCY RANGE: 18.0-26.5GHz

POWER INPUT (maximum): 350 watts CW

GAIN (over isotropic): See Curve

VSWR: Maximum, 1.4:1; Average, 1.2:1

BEAM WIDTH (average): See Curve

CONNECTOR: WR-42 waveguide

MOUNTING PROVISIONS: Waveguide flange

WEIGHT (maximum): 241 g. (8.5 oz.)

SIZE (WxHxD): 2.2 x 2.2 x 3.2 cm, (0.88 x 0.88 x 1.25 in)

EXPORT CLASSIFICATION: EAR99

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

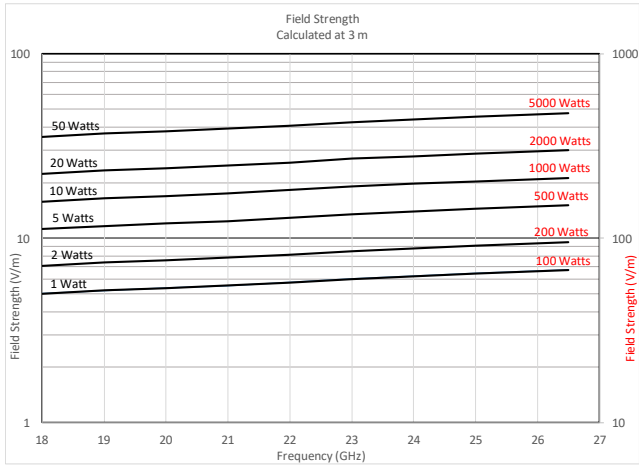
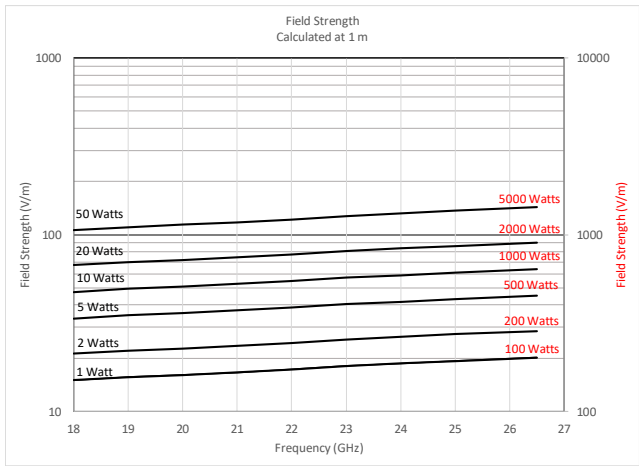
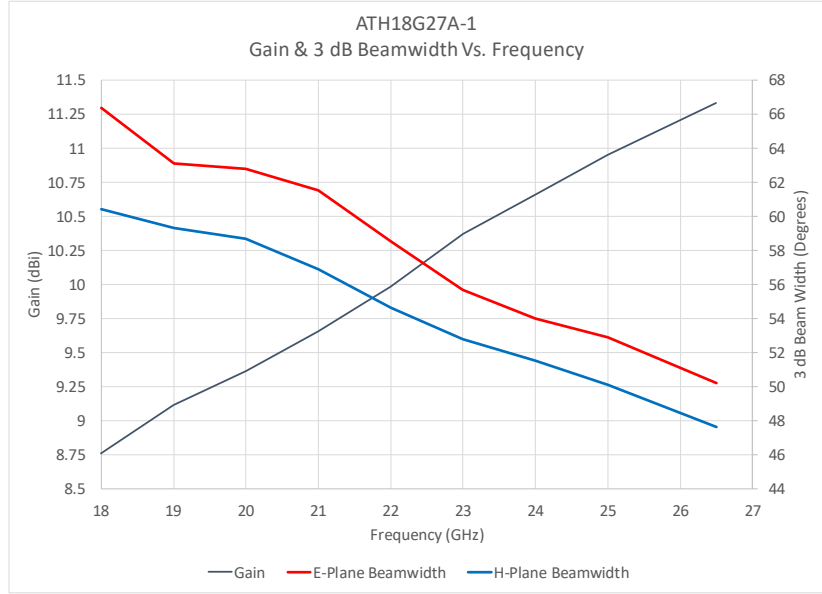
For an applications engineer call: 800.933.8181

www.arworld.us



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Field strengths have been calculated 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.