



ATH4G6

- Antenna
- 4GHz-6GHz

Features

The Model ATH4G6 is a high gain, high power microwave horn antenna. With a typical gain of 18dB over isotropic, the Model ATH4G6 supplies the high intensity fields necessary for DO160 HIRF testing. The Model ATH4G6 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 or mounting plate. Part of a family of microwave horn antennas, the Model ATH4G6 provides the 4-6GHz response required for DO160 test specifications.

The ATH4G6 can also be custom calibrated to the user's requirement for use in RF emission testing. The calibrated model is designated by adding a 'CC' suffix to the model. Calibration details must be provided using Form 701. Contact factory for details.

The export classification for this equipment is EAR99. This equipment is controlled for export in accordance with the U.S. Export Administration Regulations. Diversion contrary to U.S. law is prohibited.



Specifications

FREQUENCY RANGE: 4-6GHz

POWER INPUT:
Maximum, 800 Watts CW; 15 kW Peak Pulse
Peak Pulse less than 20%, 15 kW Peak

POWER GAIN (over isotropic): See Curve

VSWR: Maximum, 1.5:1; Average, 1.3:1

BEAMWIDTH (average): E Plane, See Curve; H Plane, See Curve

CONNECTOR: 7/16 DIN connector

MOUNTING PROVISIONS: Mounting pad on the E-plane and H-plane for tripod.

WEIGHT: 1.59 kg (3.5 lbs)

SIZE (WxHxD): 23.11 x 17.01 x 46.99 cm (9.1 x 6.7 x 18.5 in)

EXPORT CLASSIFICATION: EAR99

MODEL CONFIGURATIONS

MODEL	CONNECTOR	CW; PEAK
ATH4G6	7-16 DIN female	800 Watts CW
ATH4G6M1	7-16 DIN female w/ 7-16 to N(f) adapter	300 Watts CW

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

For an applications engineer call: 800.933.8181

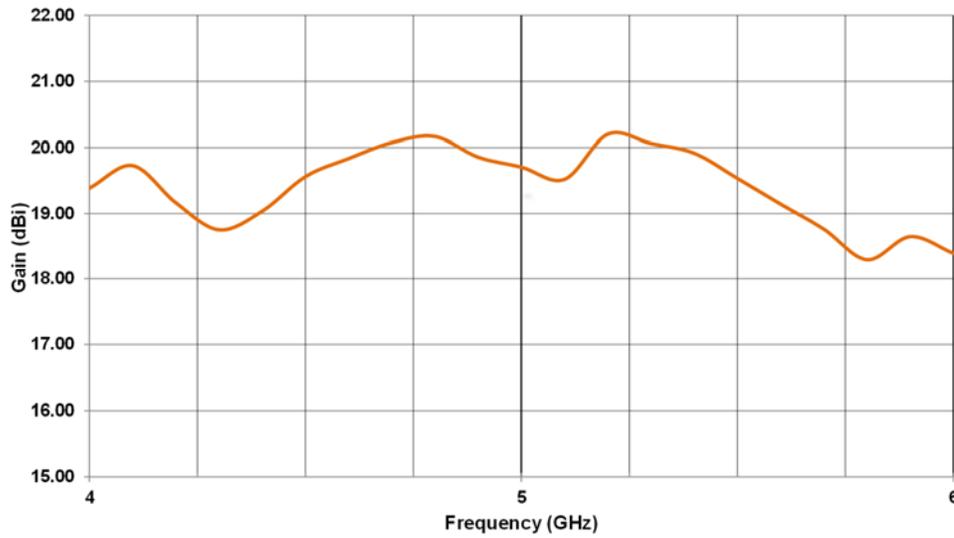
www.arworld.us



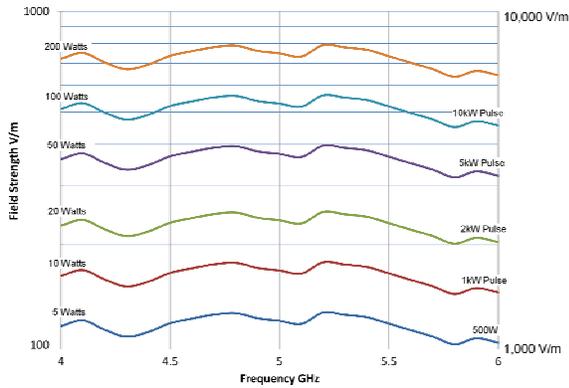
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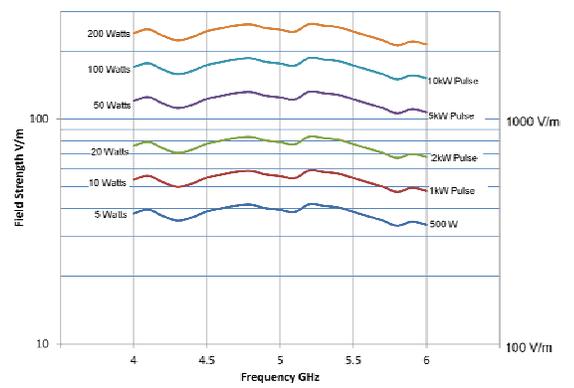
ATH4G6 Antenna Gain (dBi)



ATH4G6 Calculated 1 Meter Field Strength



ATH4G6 Calculated 3 Meter Field Strength



ATH4G6 3dB Beamwidth

