



**Model ATH2G4
Antenna
2GHz-4GHz**

The Model ATH2G4 is a high gain, high power microwave horn antenna. With a typical gain of 20dB over isotropic, the Model ATH2G4 supplies the high intensity fields necessary for DO160 HIRF testing. The Model ATH2G4 is light weight and mobile, 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 ATH2G4 provides the 2-4 GHz response required for DO160 test specifications.

The ATH2G4 is ideally suited for use with the AR Model 13000TP2G4 and amplifiers in this frequency range.

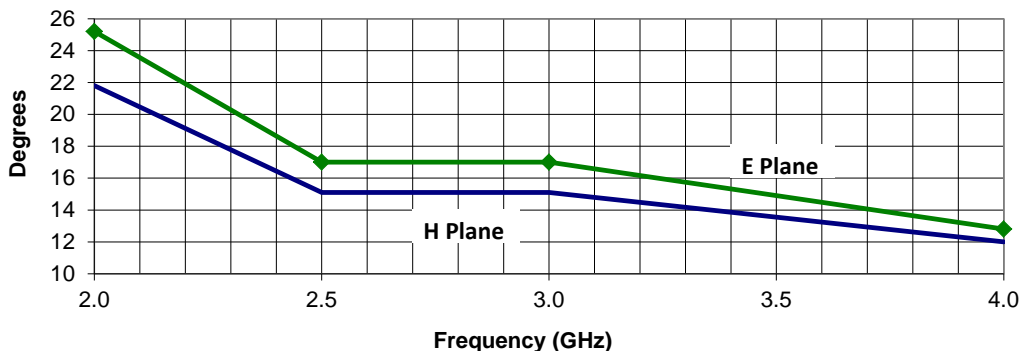
The ATH2G4 can also be custom calibrated to the user's requirement for use in RF emission testing. The calibrated model is designated by adding a 'CC' suffix to the model. Calibration details must be provided using Form 701. Contact factory for details.

The export classification for this equipment is EAR99. 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.

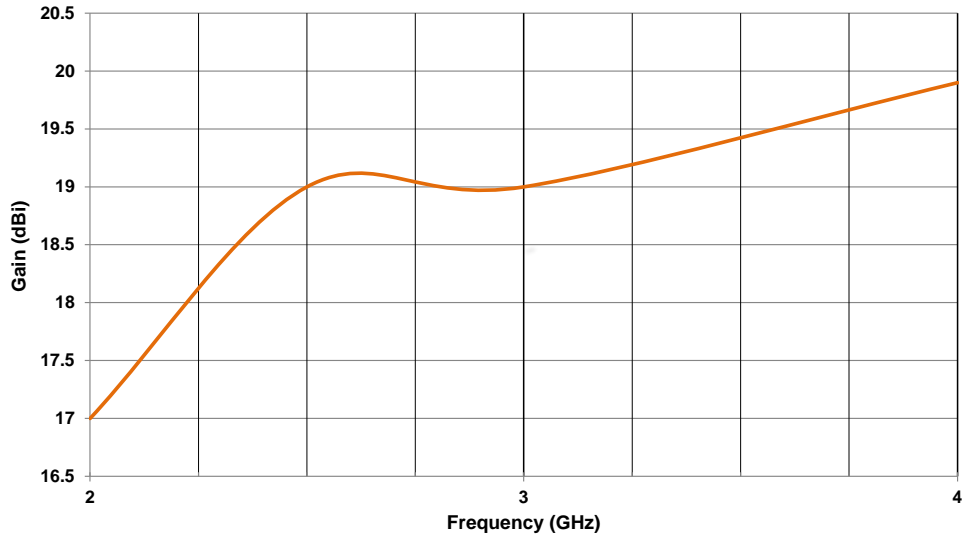
SPECIFICATIONS

FREQUENCY RANGE	2-4 GHz
POWER INPUT	
Maximum	1000 W CW
Peak Pulse less than 20%.....	17 kW Peak (1% duty cycle 6μs pulse width)
POWER GAIN (over isotropic)	See Curve ±2 dB
VSWR	
Maximum	1.5:1
Average.....	1.3:1
BEAM WIDTH (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	11.36 kg (25 lbs)
SIZE (WxHxD).....	46.55 x 29.40 x 98.50 cm (19.00 x 12.00 x 40.20 in)

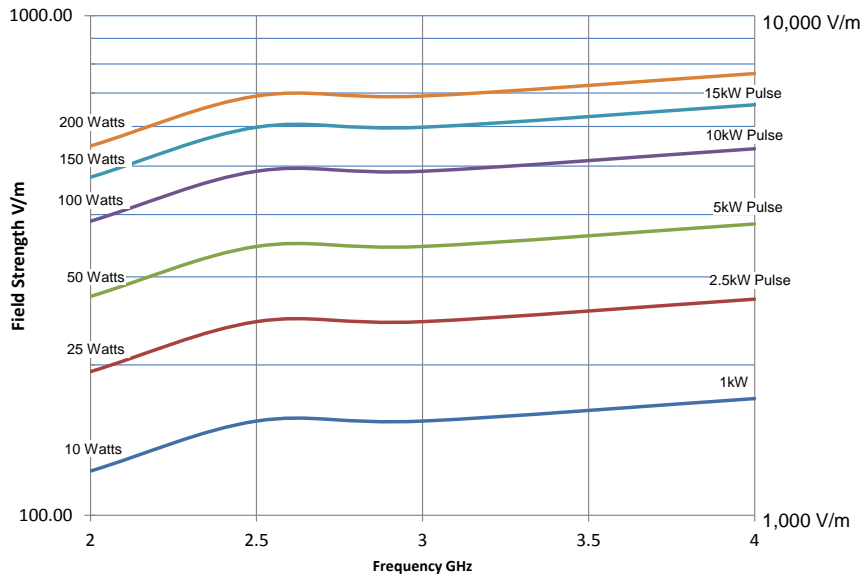
ATH2G4 3dB Beamwidth



ATH2G4 Gain



ATH2G4 Calculated Field Strength @ 1 Meter



ATH2G4 Calculated Field Strength @ 3 Meters

