



**Model ATH2G4  
Antenna  
2GHz–4GHz**

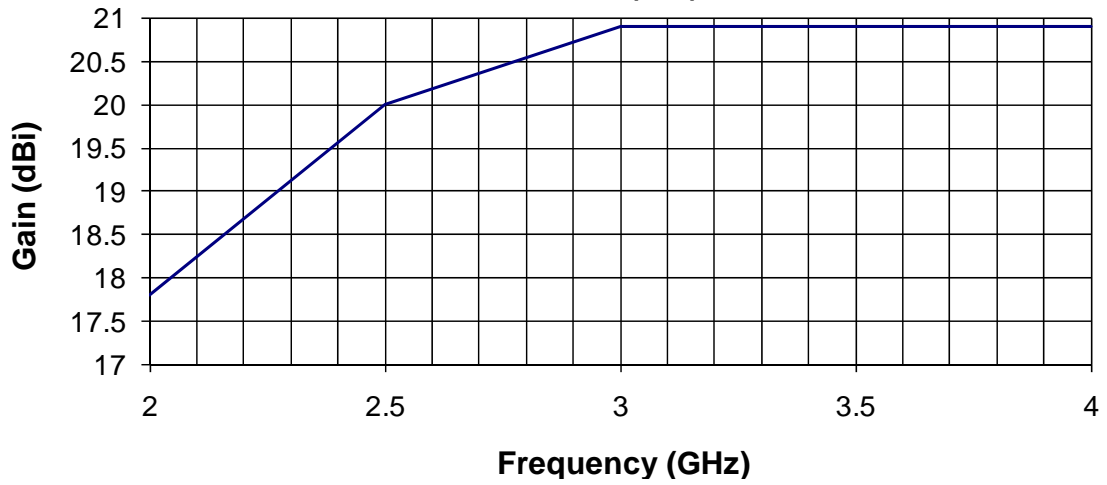
The Model ATH2G4 is a high gain, high power microwave horn antenna. With a typical gain of 20dB over isotropic, the Model ATH2G4 supplies the high intensity fields necessary for DO160 HIRF testing. The Model ATH2G4 is light weight and mobile, yet is built tough enough for the extra demands of outdoor 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.

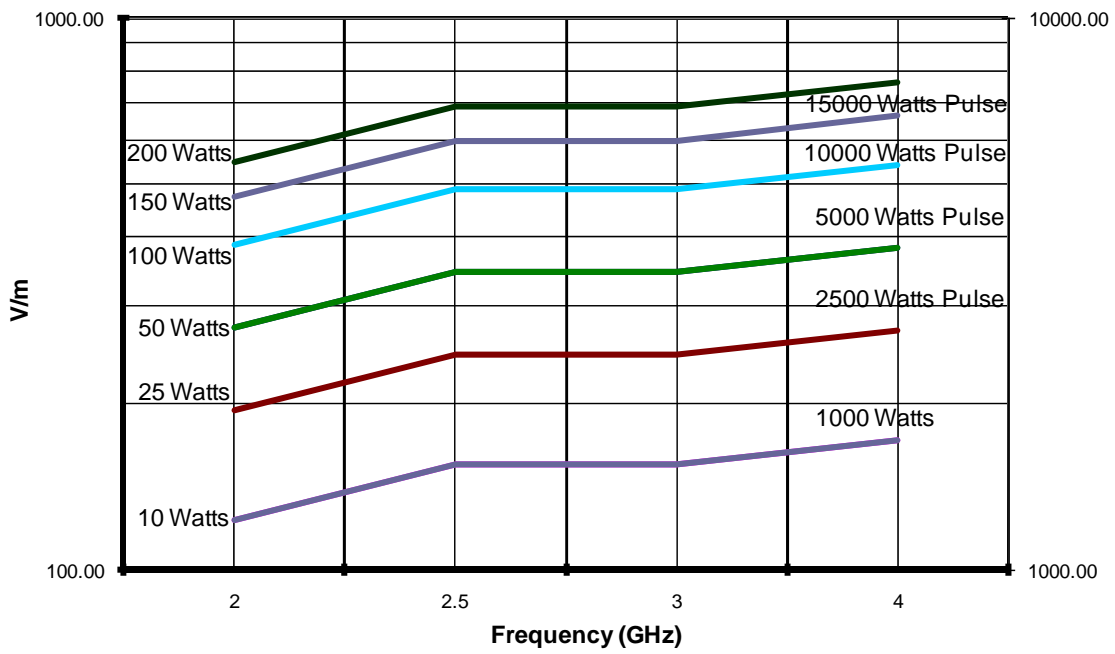
**SPECIFICATIONS**

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 Gain (dBi) @ 1 meter**



**ATH2G4 Field Strength @ 1 Meter (Calculated)**



**ATH2G4 3 dB Beamwidth**

