



**Model ATH18G40, M1  
Antenna  
18G-40GHz**

The Model ATH18G40 is a wide band, high gain, high power microwave horn antenna. With a minimum gain of 15.2dB over isotropic, the Model ATH18G40 supplies the high intensity fields necessary for RFI/EMI field testing within and beyond the confines of a shielded room. The Model ATH18G40 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 microwave frequency antennas, the Model ATH18G40 provides the 18-40GHz response required for many often used test specifications.

Model ATH18G40M1 includes A2LA calibration: 1 and 3 meter horizontal and vertical polarization.

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 .....	18-40GHz
POWER INPUT (maximum) .....	450 watts CW 2000 watts Peak
POWER GAIN (over isotropic) .....	See Graph
VSWR	
Maximum .....	1.5:1
Average.....	1.3:1
BEAM WIDTH (average)	
E Plane .....	See Graph
H Plane .....	See Graph
CONNECTOR .....	WRD 180 C24 waveguide
MOUNTING PROVISIONS.....	Waveguide flange
WEIGHT (maximum) .....	56.7 g (0.125 lbs)
SIZE (WxHxD).....	3.73 x 2.69 x 6.27 cm, (1.47 x 1.06 x 2.47 in)

