



**Model ATH26G40-1  
Antenna  
26.5–40GHz**

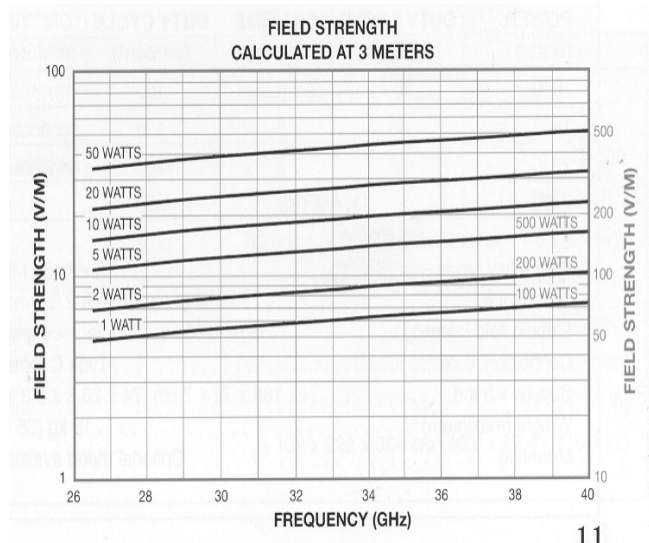
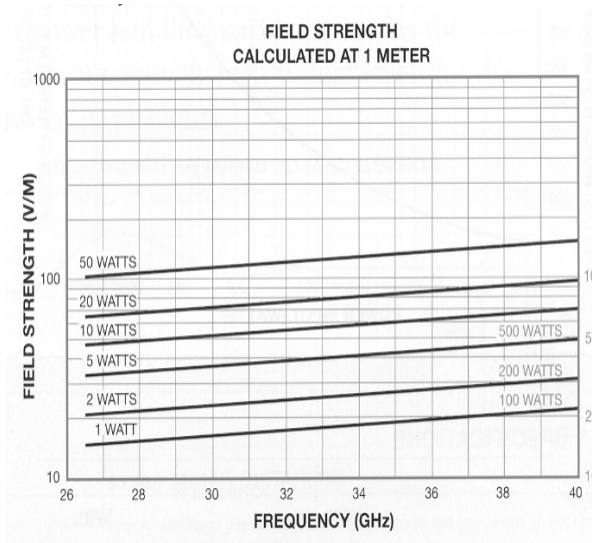
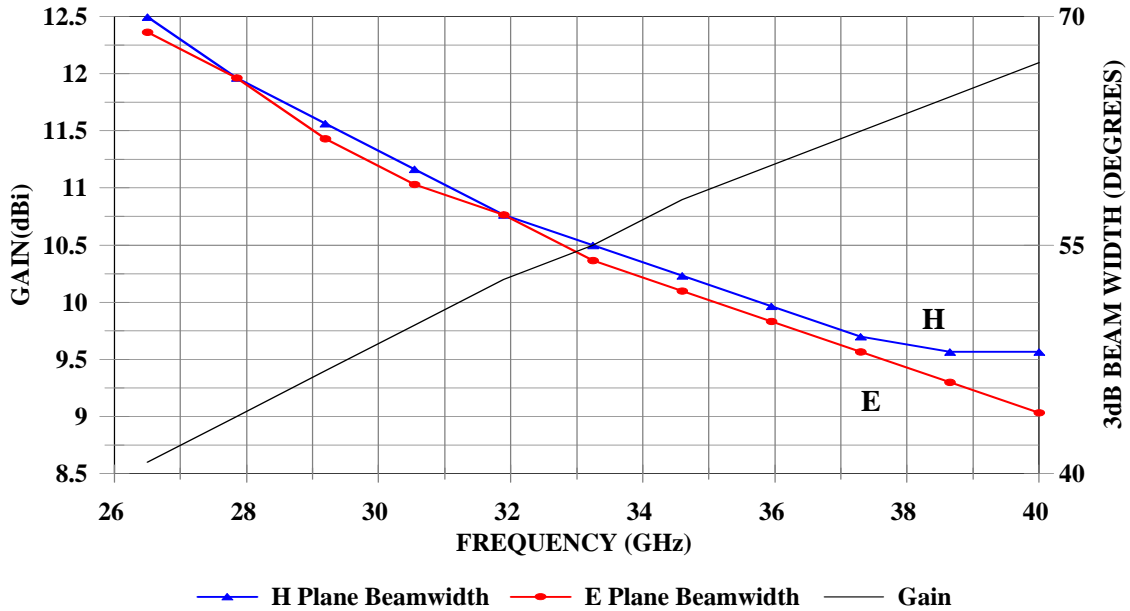
The Model ATH26G40-1 is a wide band, low gain, wide beamwidth, high power microwave horn antenna. With a minimum gain of 8dB over isotropic, the Model ATH26G40-1 supplies the high intensity fields necessary for RFI/EMI field testing within and beyond the confines of a shielded room. The Model ATH26G40-1 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 microwave frequency antennas, the Model ATH26G40-1 provides the 26.5–40GHz response required for many often used test specifications.

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 .....	26.5–40GHz
POWER INPUT (maximum) .....	240 watts CW
POWER GAIN (over isotropic) .....	See Curve
VSWR	
Maximum .....	1.5:1
Average.....	1.35:1
BEAM WIDTH (average)	
E Plane .....	See Curve
H Plane .....	See Curve
CONNECTOR .....	WR-28 waveguide
MOUNTING PROVISIONS.....	Waveguide flange
WEIGHT (maximum) .....	40 g (1.5 oz.)
SIZE (WxHxD).....	1.30 x 1.09 x 2.16 cm (0.51 x 0.43 x 0.85 in)

**ATH26G40-1**  
**GAIN & 3dB BEAMWIDTH VS FREQ**



11

Field strengths have been measured 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.