



**Model ATH2G18
Antenna
2GHz–18GHz**

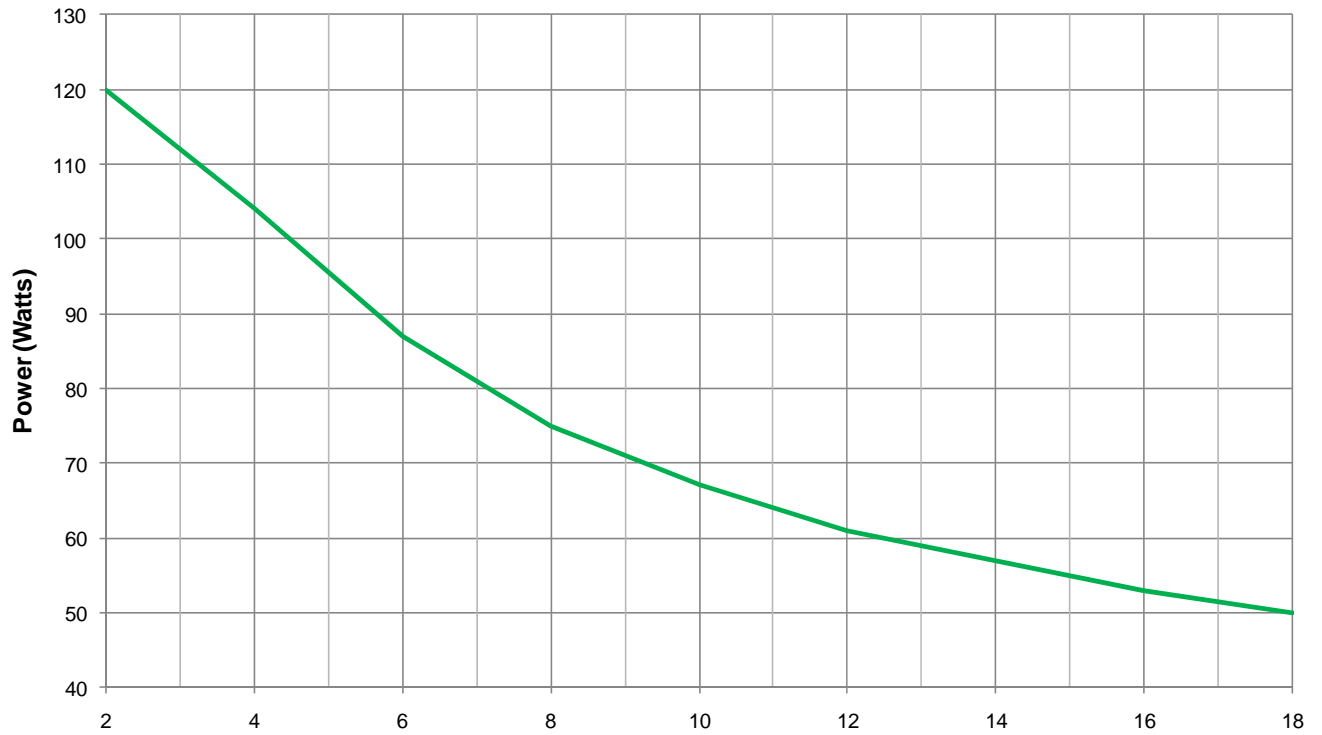
The Model ATH2G18 is a wide band, high gain, high power microwave horn antenna. With a minimum gain of 6dB over isotropic, the Model ATH2G18 supplies the high intensity fields necessary for RFI/EMI field testing within and beyond the confines of a shielded room. The Model ATH2G18 is extremely compact and lightweight for ready mobility, yet is built tough enough for the extra demands of outdoor use and easily mounts on the rear flange. Part of a family of microwave frequency antennas, the Model ATH2G18 provides the 2–18GHz response required for many often used test specifications.

The ATH2G18 is ideally suited for use with the AR RF/Microwave Instrumentation Models 20T4G18A and 15T4G18A and other high power amplifiers in this frequency range.

SPECIFICATIONS

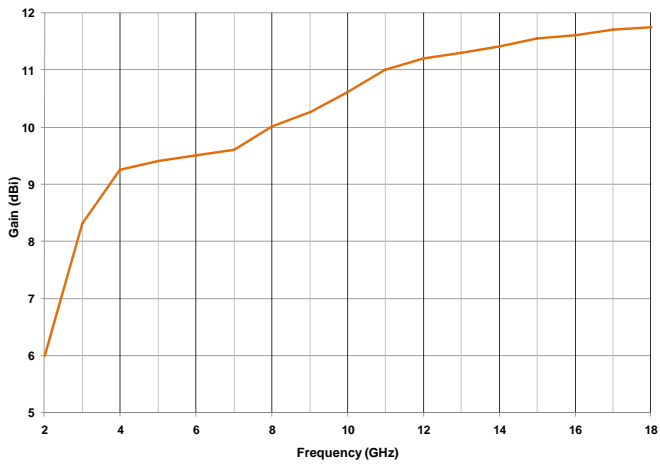
FREQUENCY RANGE.....	2–18GHz
POWER INPUT (maximum).....	See Curve
POWER GAIN (over isotropic).....	See Curve
VSWR	
Maximum	3.0:1
Average.....	2.0:1
BEAM WIDTH (average)	
E Plane	See Curve
H Plane.....	See Curve
CONNECTOR.....	SMA (F)
MOUNTING PROVISIONS	Rear flange
WEIGHT (maximum).....	283.5g (10 oz.)
SIZE (WxHxD).....	12.64 x 8.23 x 9.85 cm (4.98 x 3.24 x 3.88 in)

ATH2G18 Input Power

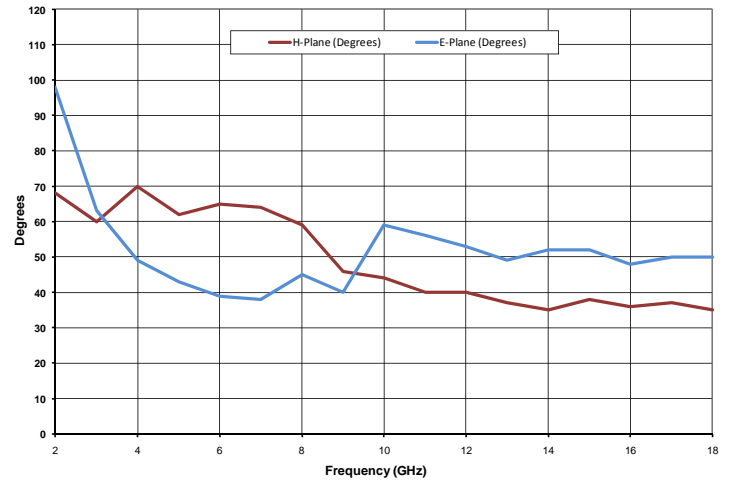


Frequency (GHz)

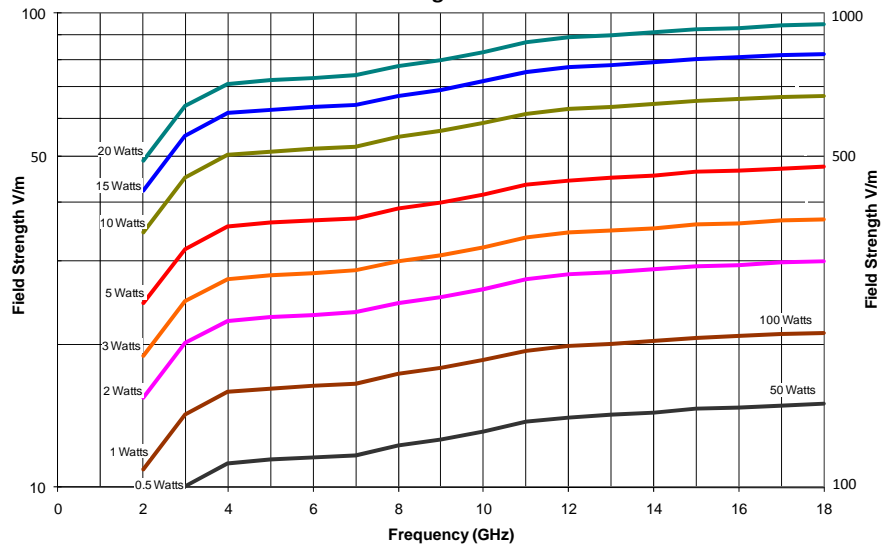
ATH2G18 Gain



ATH2G18 3dB Beamwidth



ATH2G18 Field Strength Calculated at 1 Meter



ATH2G18 Field Strength Calculated at 3 Meters

