



## ATH6G18A

- High Gain Horn Antenna
- WRD-650 Waveguide Input
- 6 GHz–18 GHz

### Features

Model ATH6G18A is a wide-band, high-gain microwave horn antenna with WRD-650 double-ridged waveguide input. It operates down to 6.0 GHz, extending the conventional WRD-650 operating band. Model ATH6G18A is capable of handling high average and peak power levels and can generate extremely high field intensities. Model ATH6G18A is a compact, rugged and lightweight brazed aluminum assembly. It easily mounts to a tripod using integral mounting brackets.

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:** 6.0–18.0 GHz

**AVERAGE POWER INPUT:** 3 kW maximum

**PEAK POWER INPUT:** Consult factory

**FAR FIELD GAIN (over isotropic):** 19–25 dBi  
(see curve)

**VSWR:** 1.5:1 Typical

**BEAM WIDTH (3 dB):**  
17°–7°, E-Plane (see curve)  
18°–9°, H-Plane (see curve)

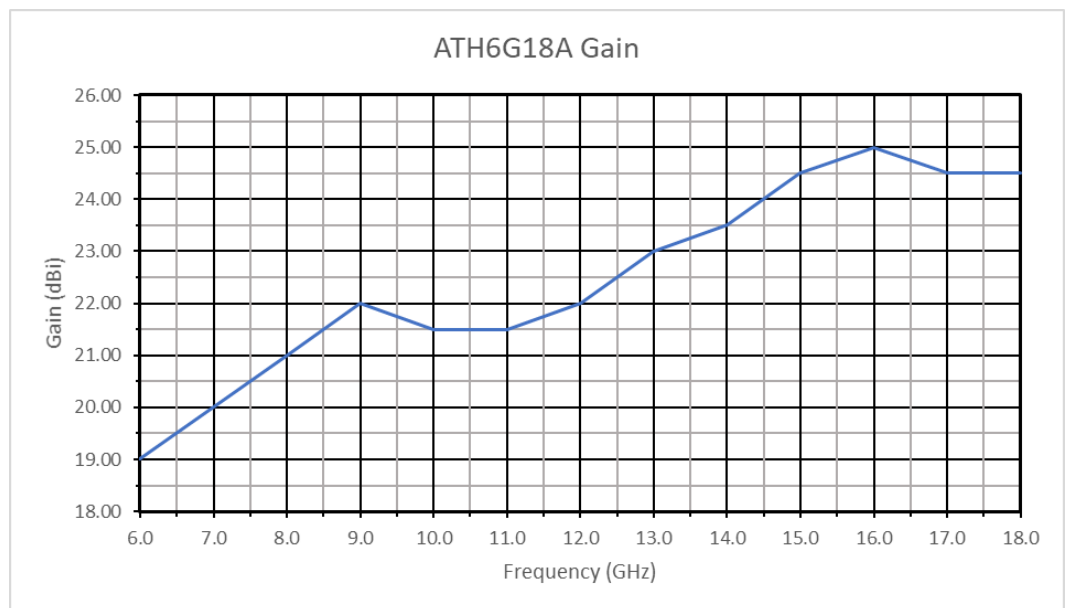
**CONNECTOR:** WRD-650 D28 waveguide, cover flange, alternating thru/tapped hole pattern

**WEIGHT:** 1.13 kg (2.50 lbs)

**SIZE:** 19.0 x 13.8 x 33.0 cm (7.5 x 5.4 x 13.0 in)

**MOUNTING PROVISION:** Tripod mounting bracket with ¼-20 tapped hole

**EXPORT CLASSIFICATION:** EAR99



AR RF/Microwave  
Instrumentation  
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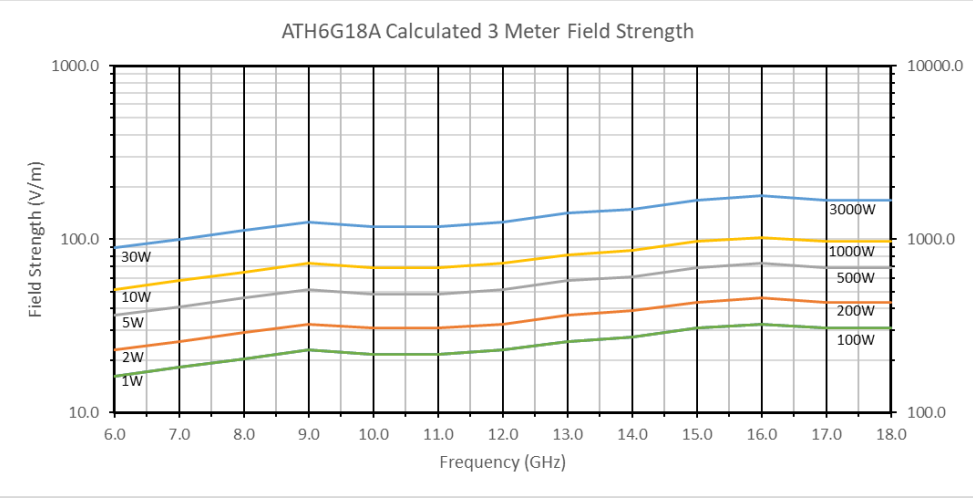
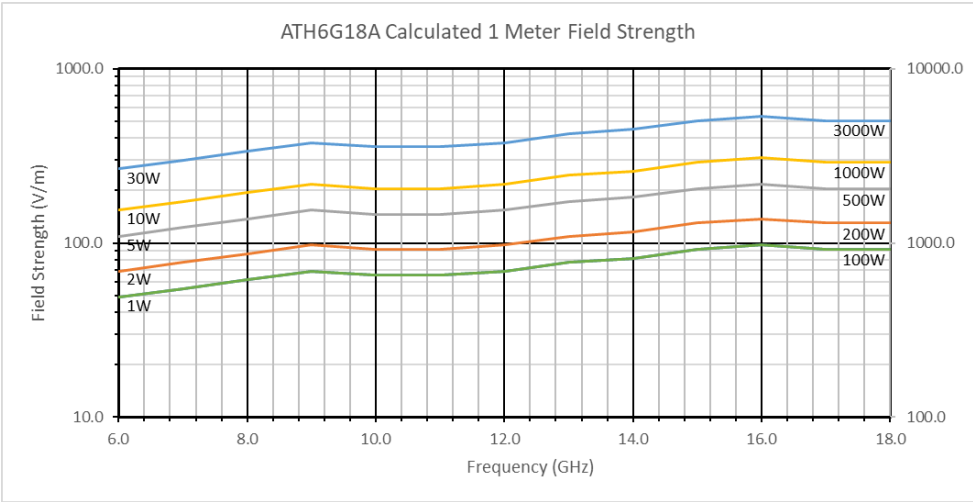
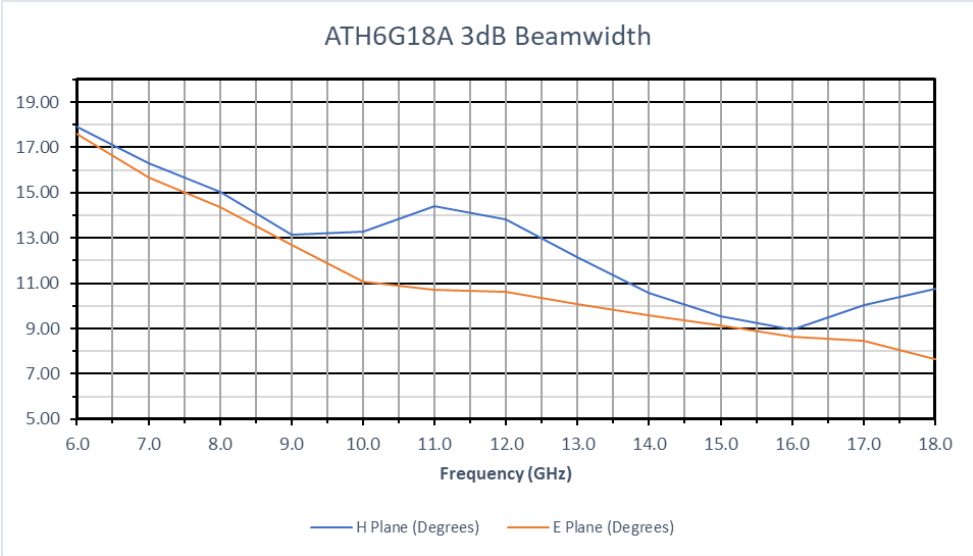
For an applications engineer call: 800.933.8181

[www.arworld.us](http://www.arworld.us)



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Field strengths have been calculated 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.