# Q-par Angus Ltd

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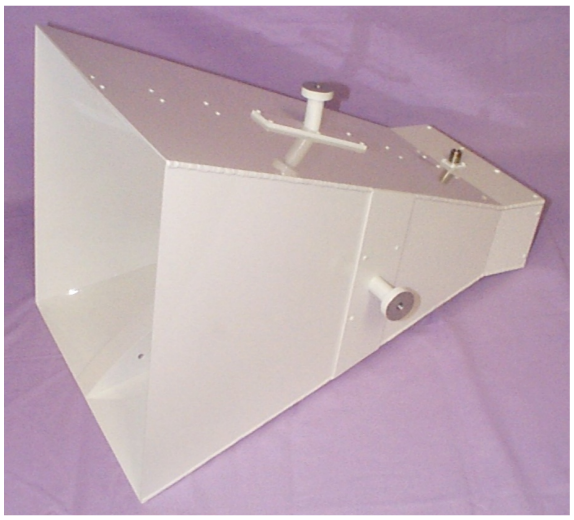
Data Sheet

## 0.5 - 2 GHz Ridged Wideband Horn Antenna



### Model Number WBH0.5-2N13WA

- Robust, proven design
- Gain 8 - 13.5 dBi across the band
- Good wideband performance in a small package
- Weather proofed versions available
- A full antenna test report including gain against frequency is provided with each horn

The WBH0.5-2N13WA 500 MHz - 2 GHz ridged wide-band horn is ruggedly manufactured from aluminium, providing consistent and reliable performance. The horn will be useful in applications such as EMC emissions or immunity tests, spectrum management and general lab measurements or in other situations requiring wide bandwidth and high gain. Test equipment inventory can be simplified since this antenna is the equivalent of three conventional waveguide horns. A protective window can be fitted to provide weather proofing.
Alternative connectors, including SMA, are available on request.

### Accessories

QTP-B - Standard Antenna Tripod Unit
QTP-C - Ruggedised Military Style Tripod

### Other models available

| | |
|---|---|
| WBH0.5-2S13WA | - Horn with SMA connector |
| WBH0.5-2N13WAHP | - High Power Version |
| QSF0.5-2N13 | - Antenna Feed Version |

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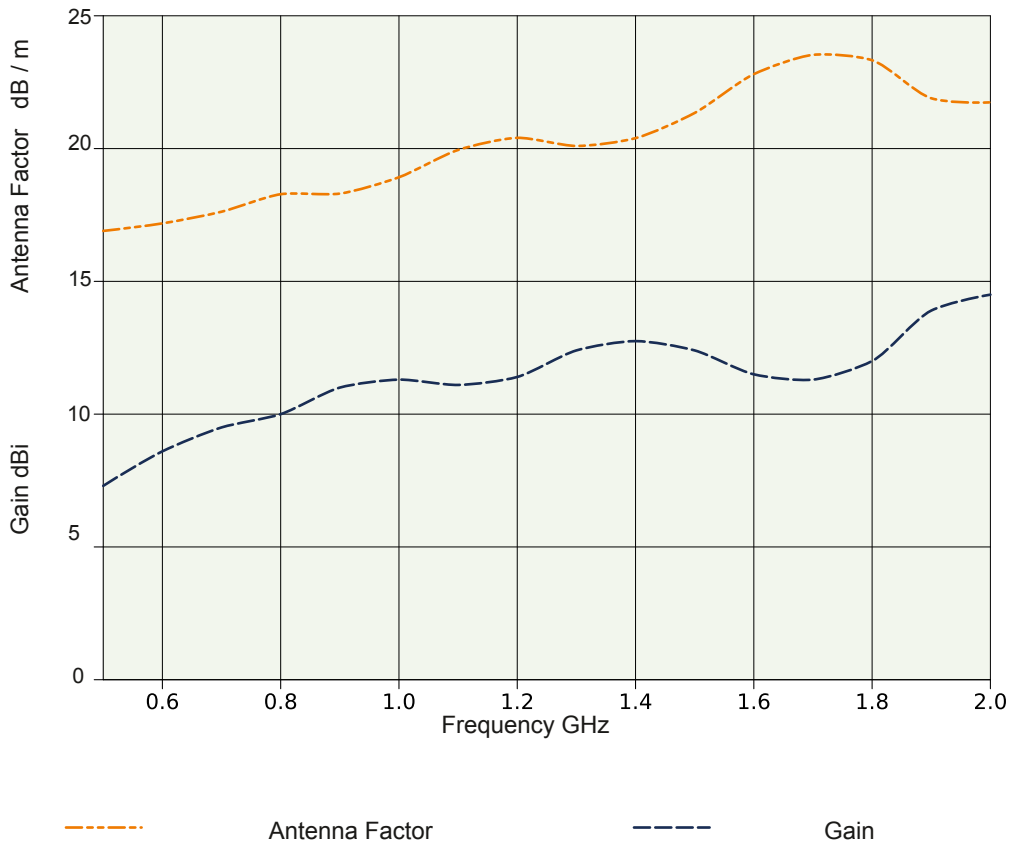
## Typical Specification

| | |
|---|---|
| Frequency | 0.5 - 2 GHz |
| Gain | 8 - 13.5 dBi |
| Antenna Factor | 25 - 33.8 dB/m |
| 3 dB Beamwidth | 72° - 24° |
| VSWR | < 1.8 : 1 over 95% band |
| Radome | Available on request |
| Construction | Aluminium / Composite Material |
| Power Handling | 250 Watts, c.w. |
| Dimensions | 404 x 404 mm external aperture x 570mm long |
| Connector Type | N type recommended |
| Weight | 9.2 kg |
| Mounting | Mounting Plates fitted at C of G on 2 sides each with 4 holes, diameter 10 mm, 40 mm centres |

## Typical Gain / Antenna Factor




*Designed and Manufactured in England to the Highest Standards*

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