



Wideband Horn Antenna

2 to 18 GHz

Catalogue number: **QWH-SL-2-18-S-SG-R**

Q-par reference: **QMS-00001**

Contents: **Summary**
Typical Antenna Gain / Factor
Typical Beamwidth / Patterns
VSWR

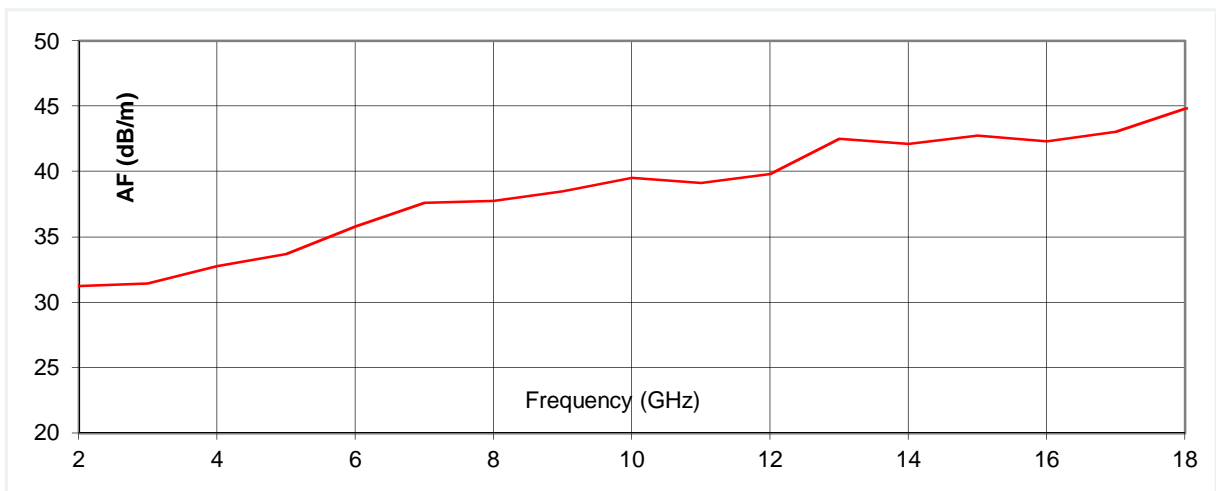
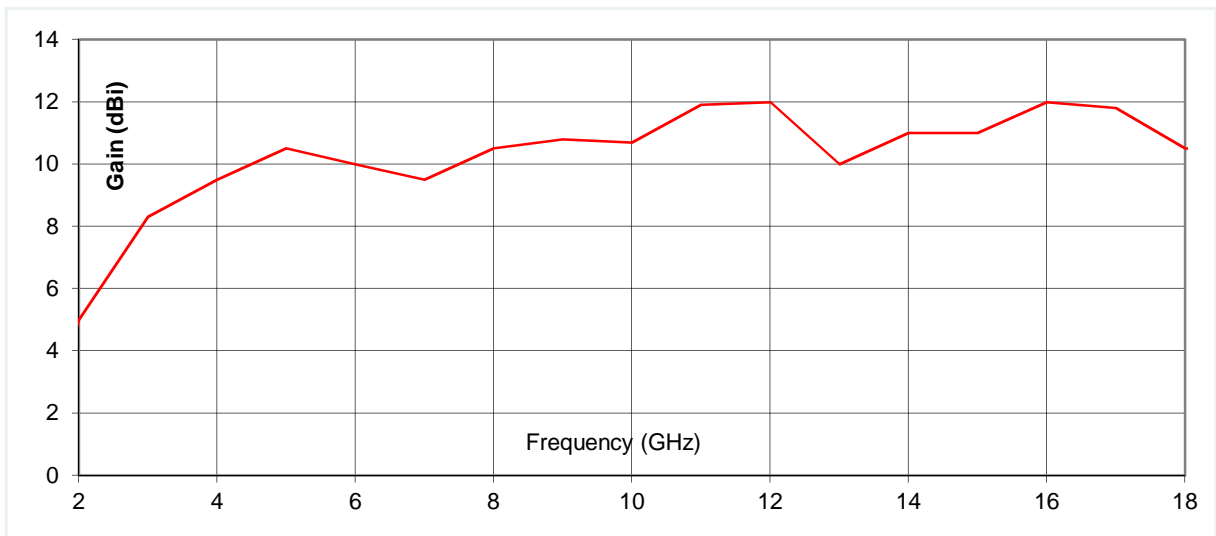


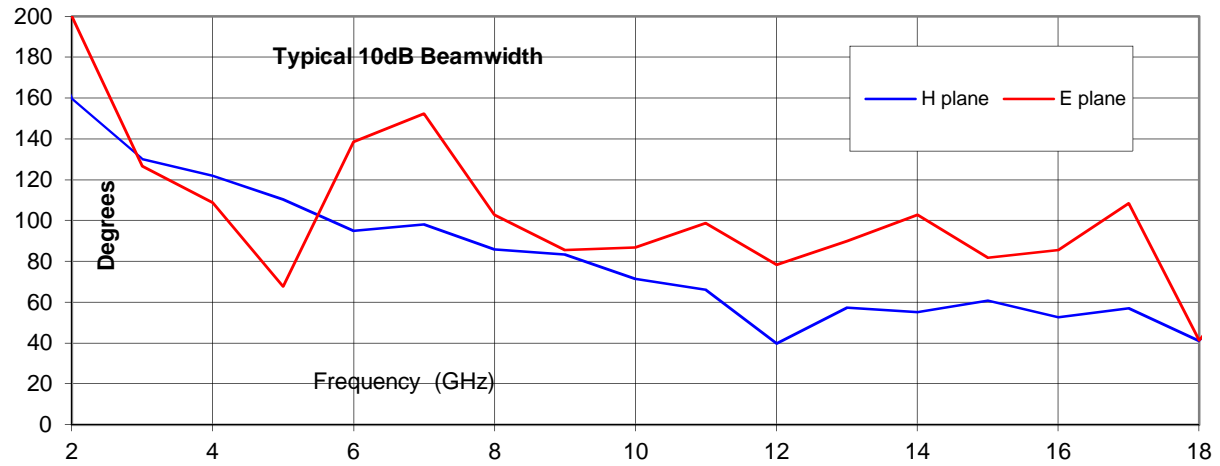
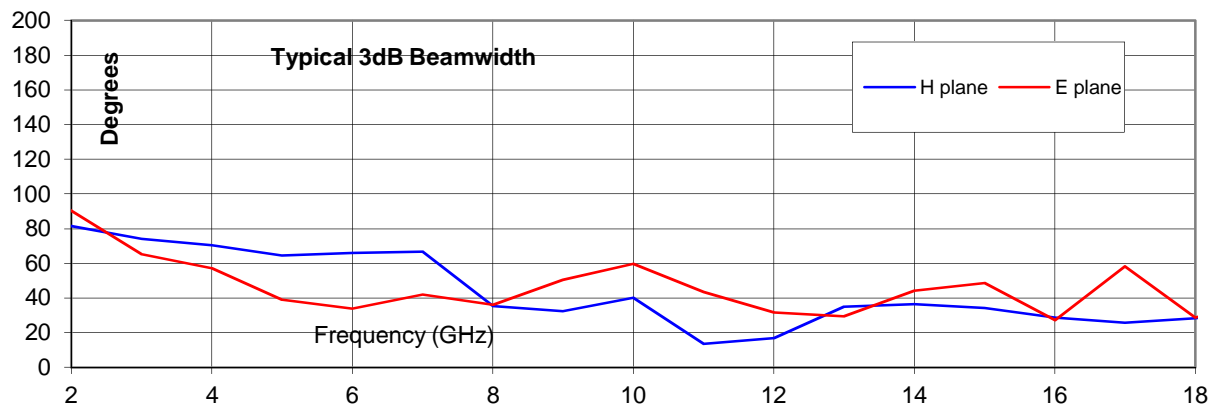
Typical Specification

| | |
|-----------------------|--|
| Frequency | 2 to 18 GHz |
| Connector type | SMA type jack |
| Power Handling | 20 Watt c.w. |
| VSWR | < 2.5:1 |
| Gain | 5 to 12 dBi |
| Antenna Factor | 31.3 to 44.8 dB/m |
| 3dB Beamwidth | 14 to 90 degrees |
| 10dB Beamwidth | 40 to 200 degrees |
| Weight | 370 g (inc. 80 g mounting plate) |
| Size- max. | 119 mm x 86 mm x 119 mm long |
| Mounting | Mounting Plate 50 mm x 50 mm with 4 holes, diameter 4.1 mm, on 38 mm centres |
| Construction | Aluminium and engineering plastics with anodised aluminium mounting plate |

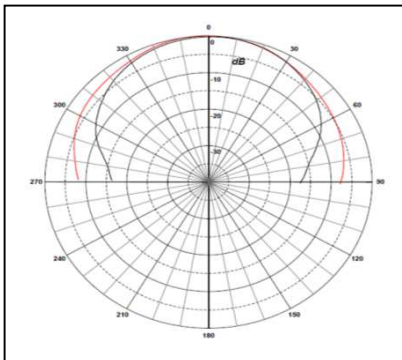
Typical Antenna Gain / Factor

This is calculated by reference to standard gain horn antennas, and cross checked with reference to the antenna beamwidth, with an estimated error of +/- 0.8dB.

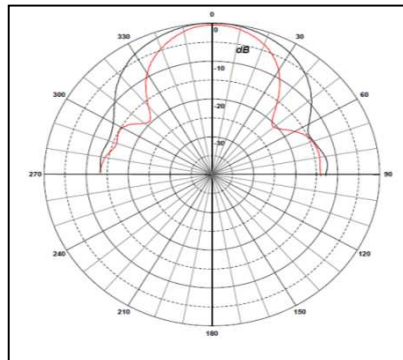




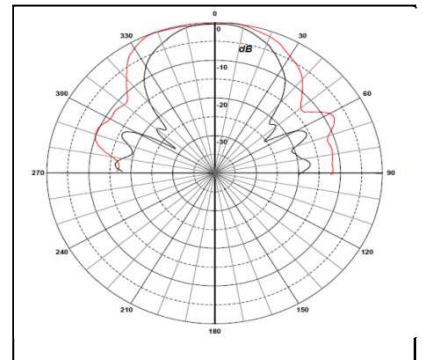
2 GHz



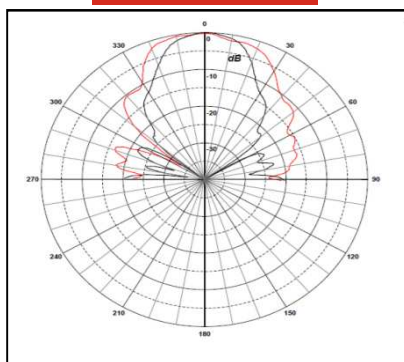
5 GHz



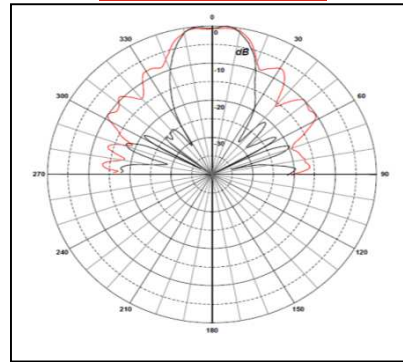
10 GHz



15 GHz



18 GHz



Red trace = E-plane, Black trace = H-plane cut

