

## 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**



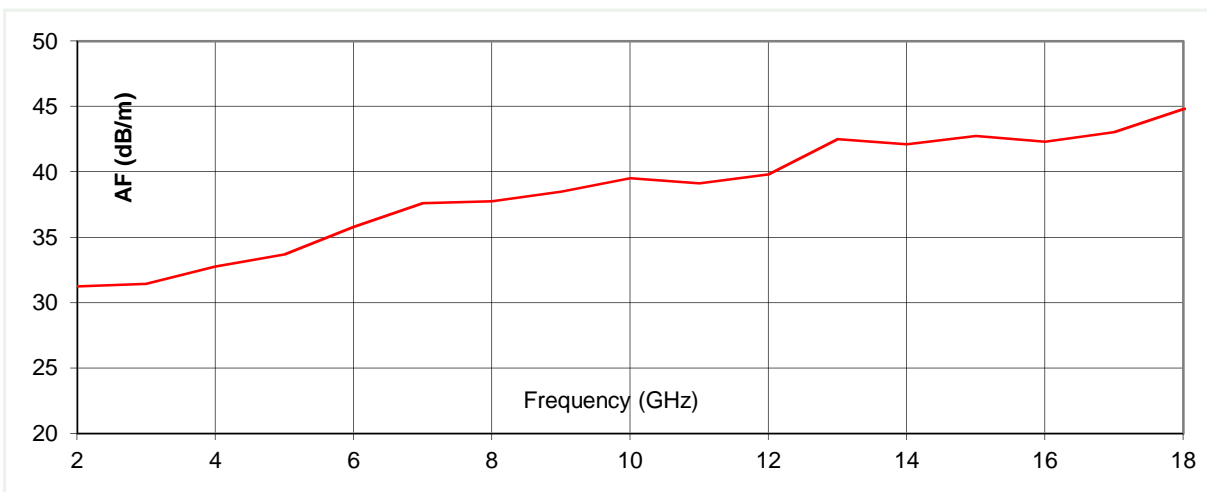
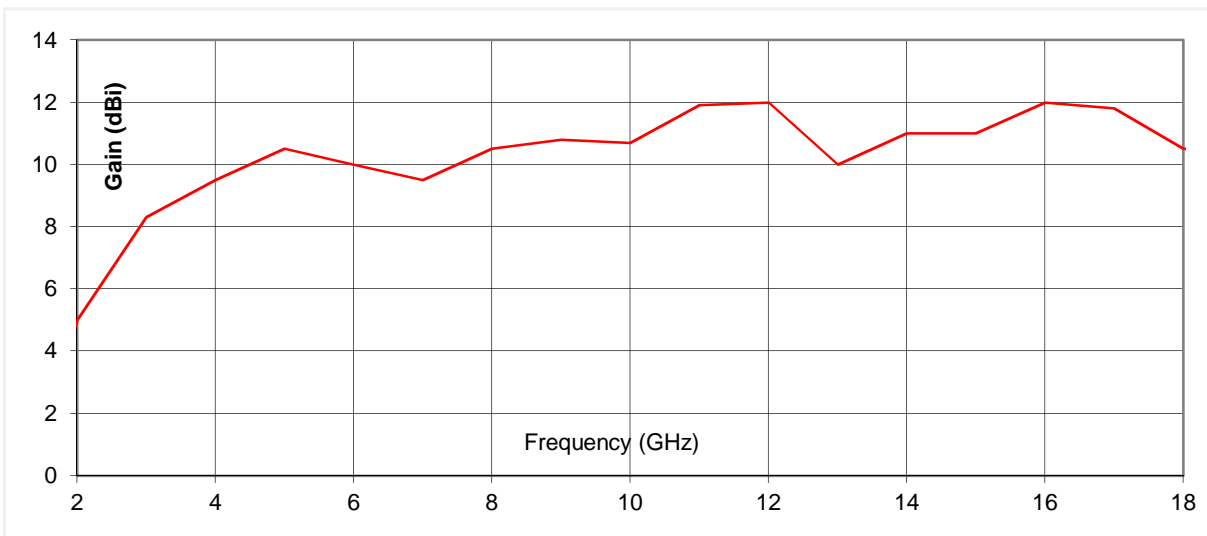
Test Report

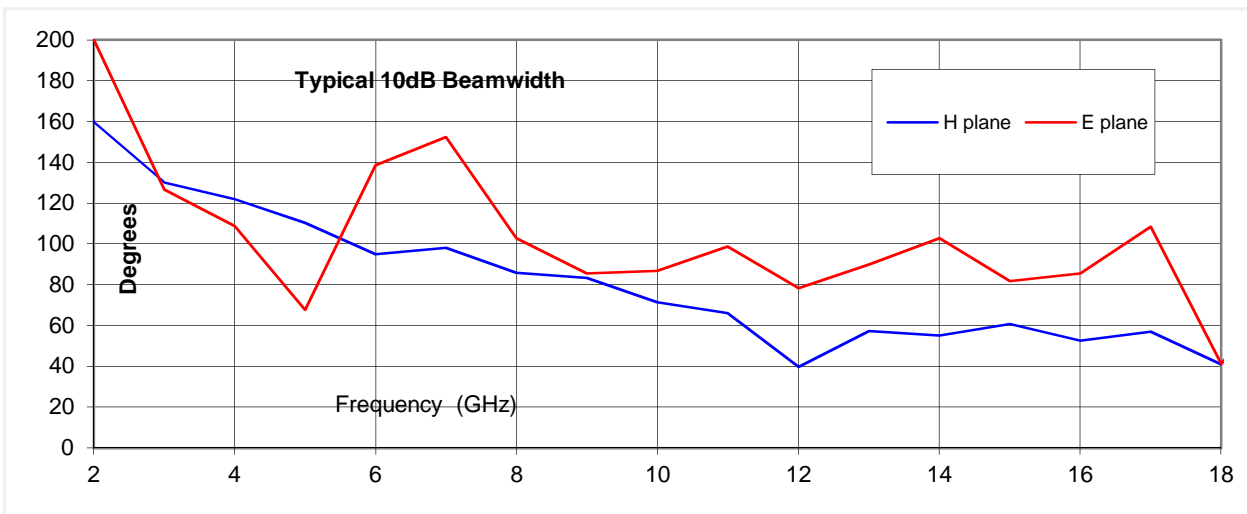
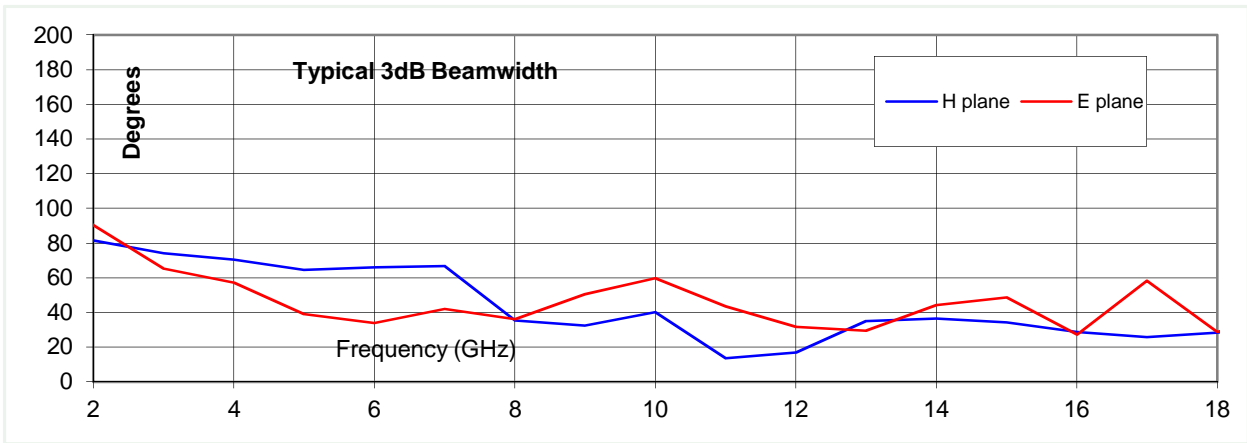
### Typical Specification

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

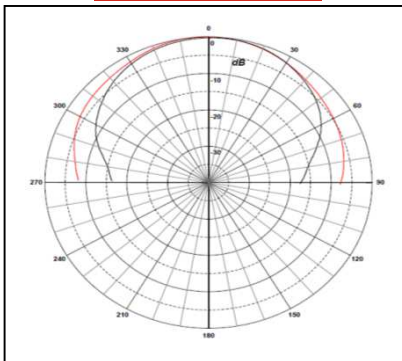
### Typical Antenna Gain / Factor

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.

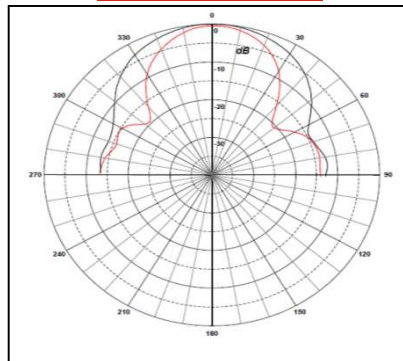




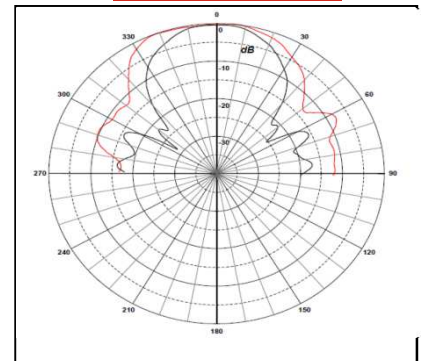
2 GHz



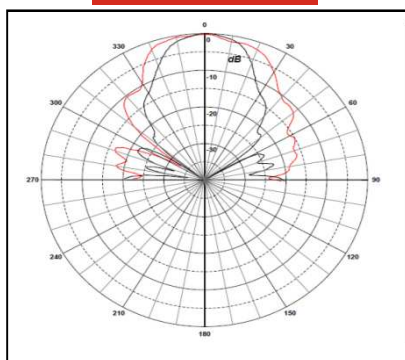
5 GHz



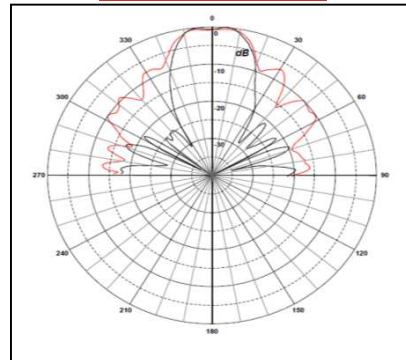
10 GHz



15 GHz



18 GHz



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