



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

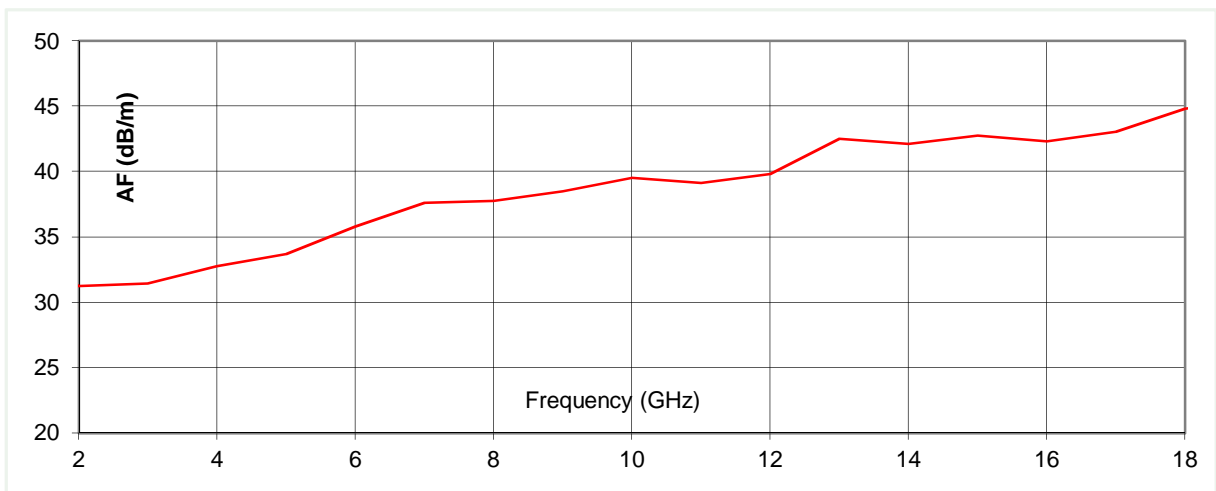
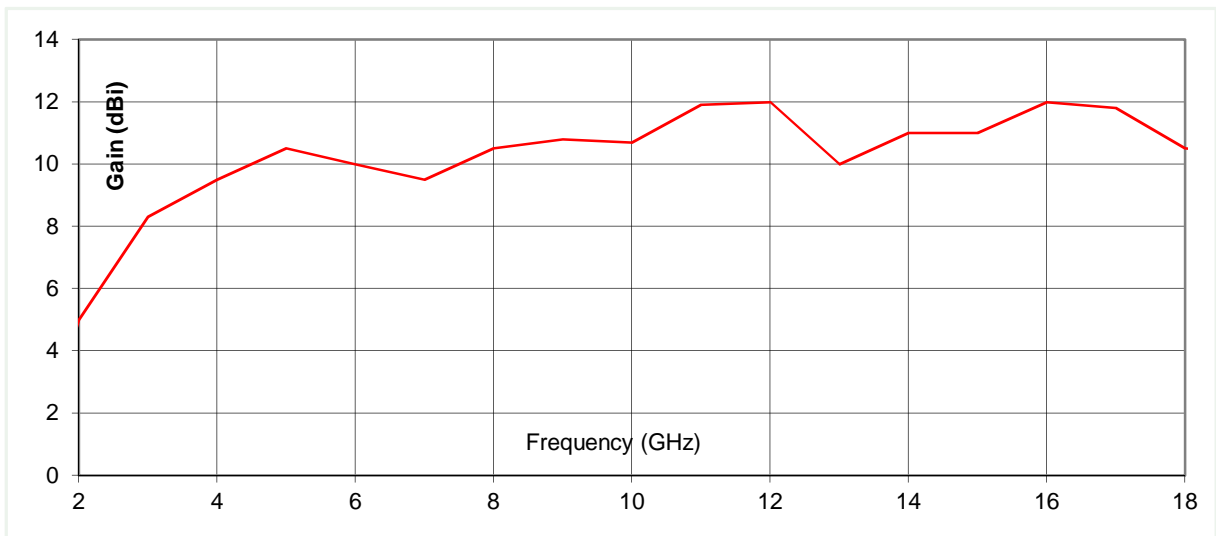


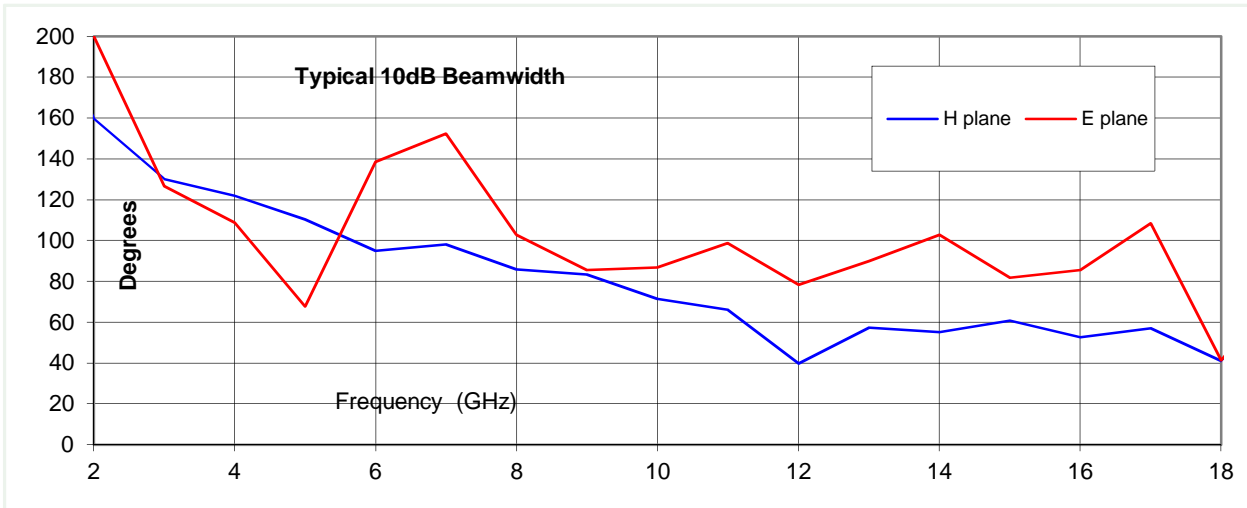
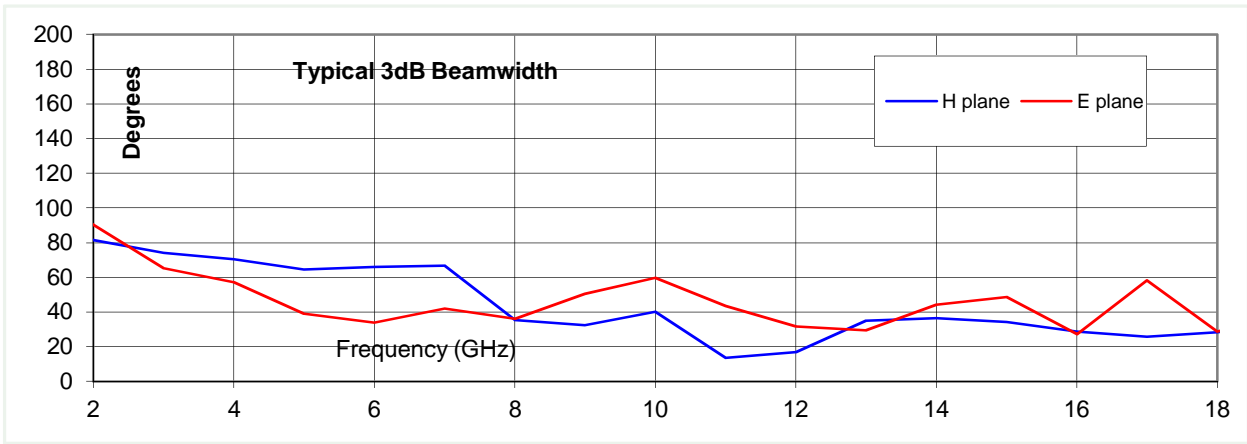
Typical Specification

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

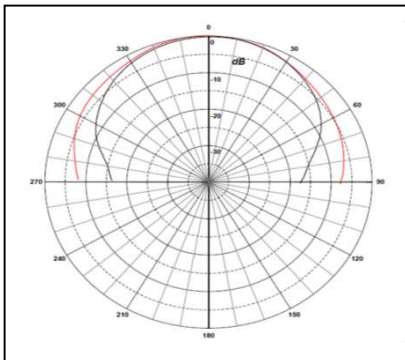
Typical Antenna Gain / Factor

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.

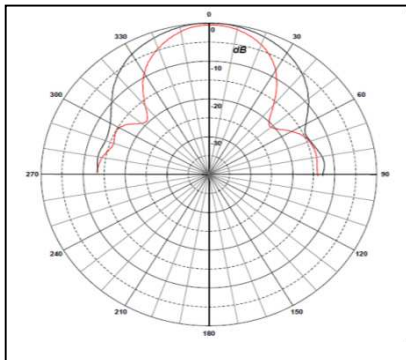




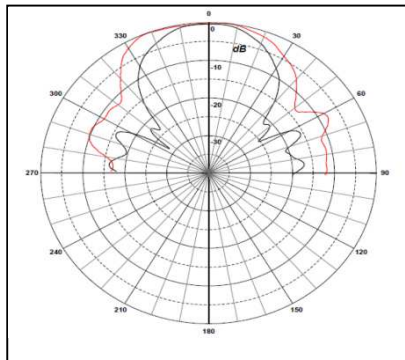
2 GHz



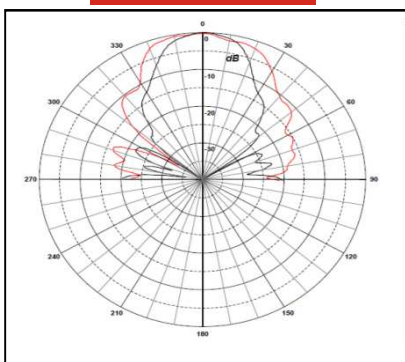
5 GHz



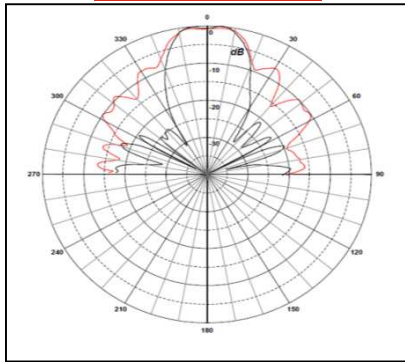
10 GHz



15 GHz



18 GHz



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

