

Wideband Horn Antenna 2 to 18 GHz

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

Q-par reference: **QMS-00002**

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



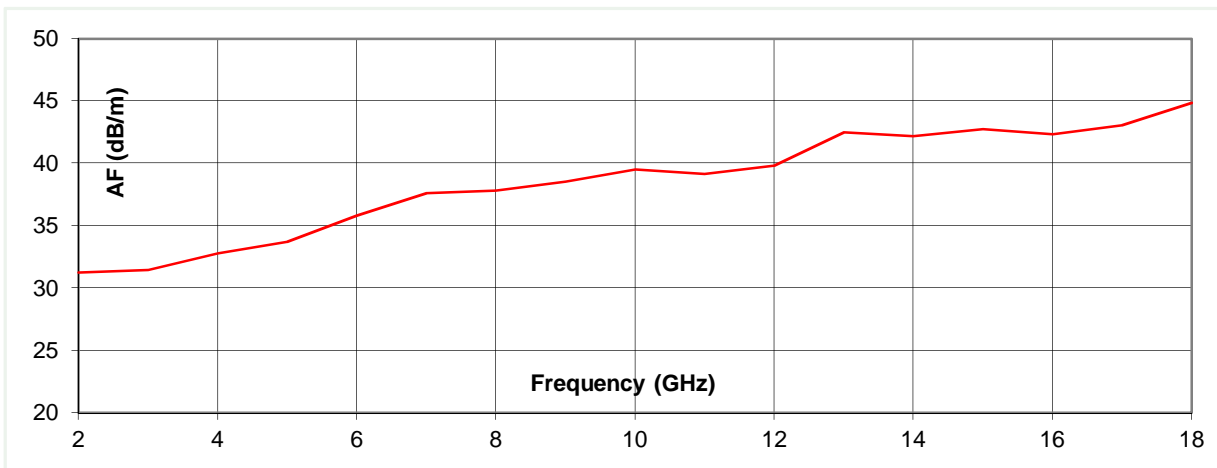
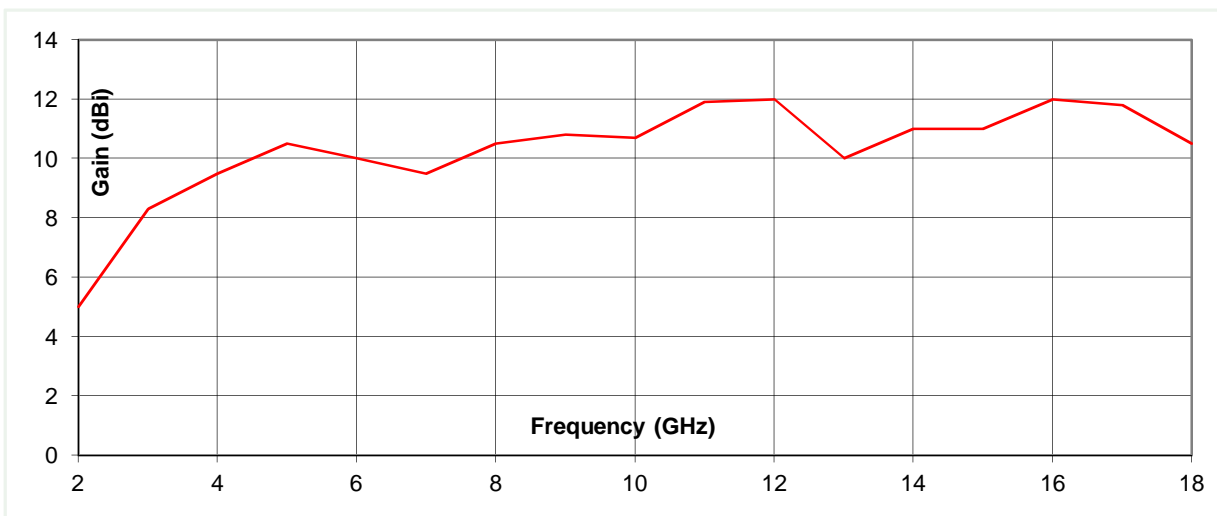
Test Report

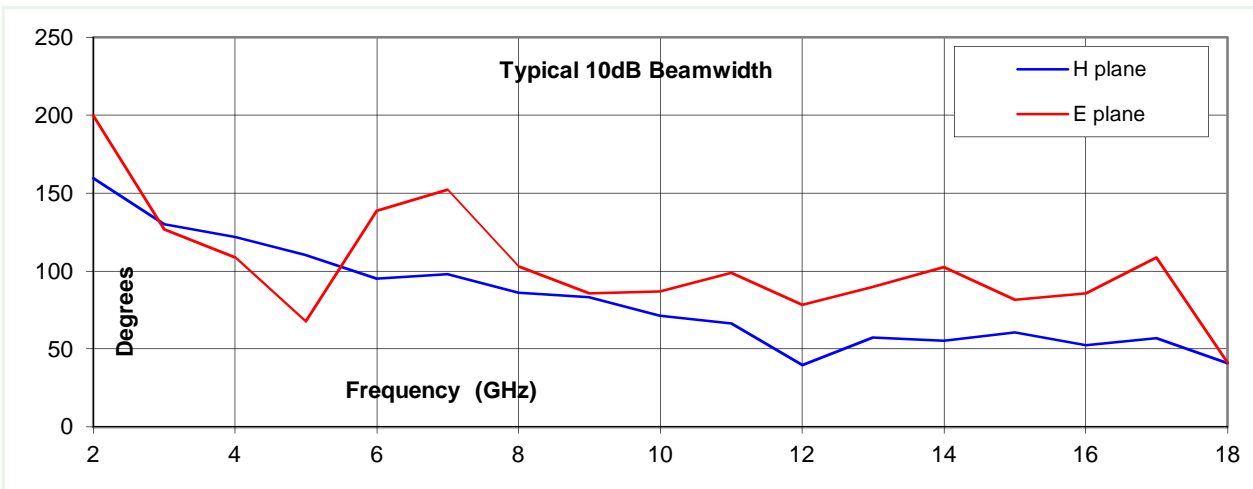
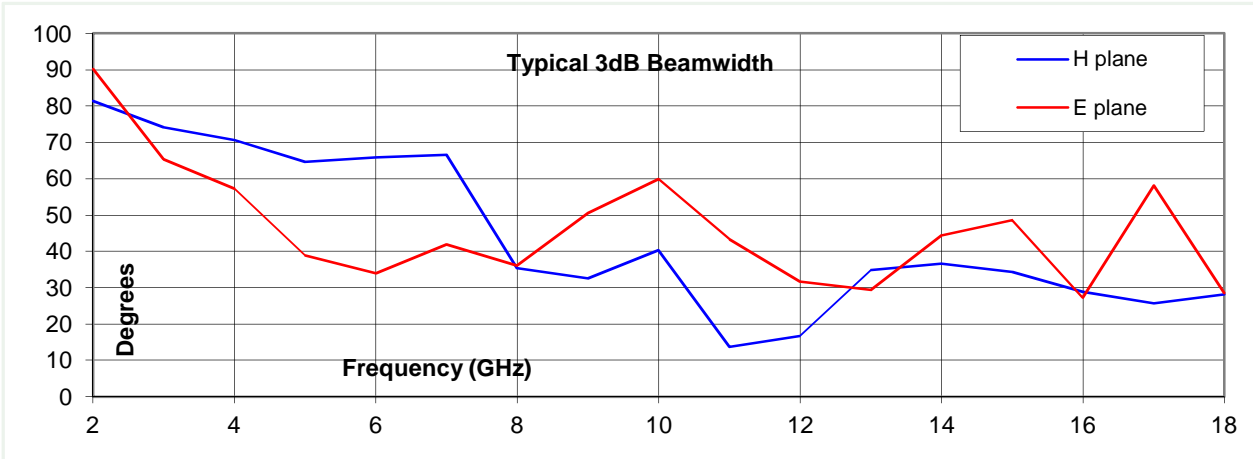
Typical Specification

Frequency	2 to 18 GHz
Connector type	N type jack
Power Handling	50 Watt c.w.
VSWR	< 2.5:1 (<-7.5 dB Return loss)
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.	118 mm x 85 mm x 118 mm long
Mounting	Rear mount plate, 4 holes diameter 5.1 mm, 50 mm centres
Construction	Aluminium and engineering plastics, painted. Anodised aluminium mounting plate.

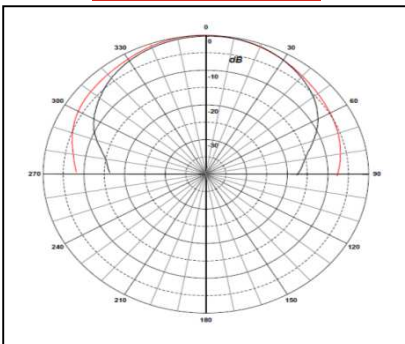
Typical Antenna Gain / Factor

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.

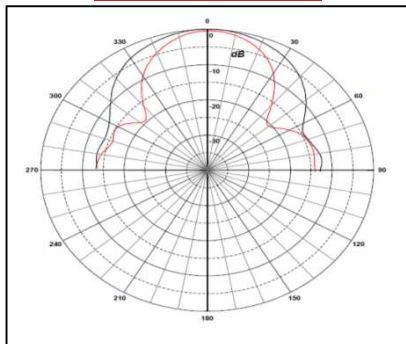




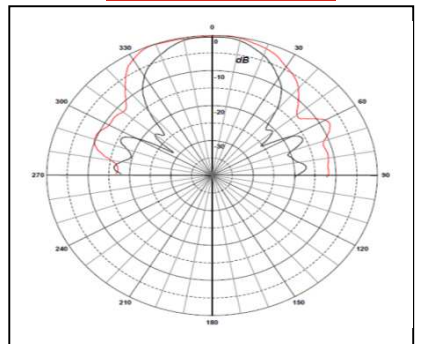
2 GHz



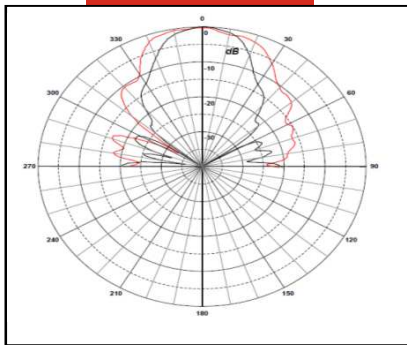
5 GHz



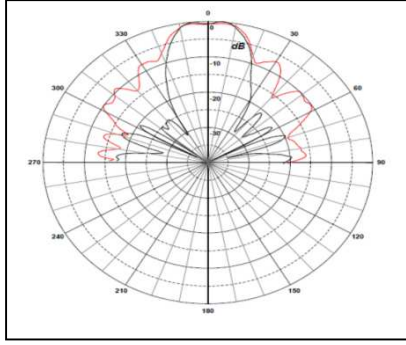
10 GHz



15 GHz



18 GHz



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