

Ultra-Wideband Dual Polar Horn

0.9 to 18 GHz

Catalogue number: **QWH-DL-0.9-18-S-SG-R**

Q-par reference: **QMS-00250**

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



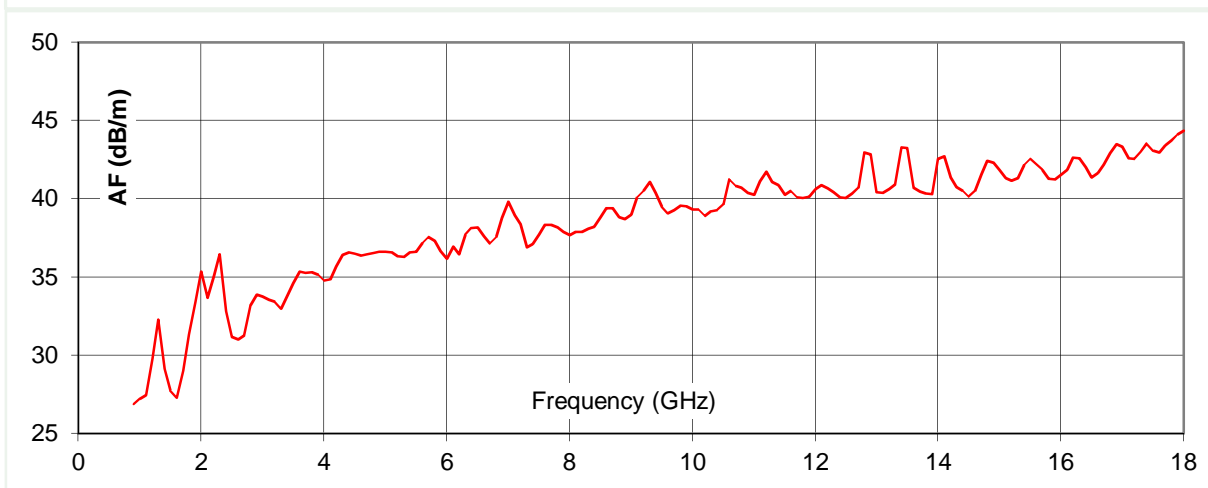
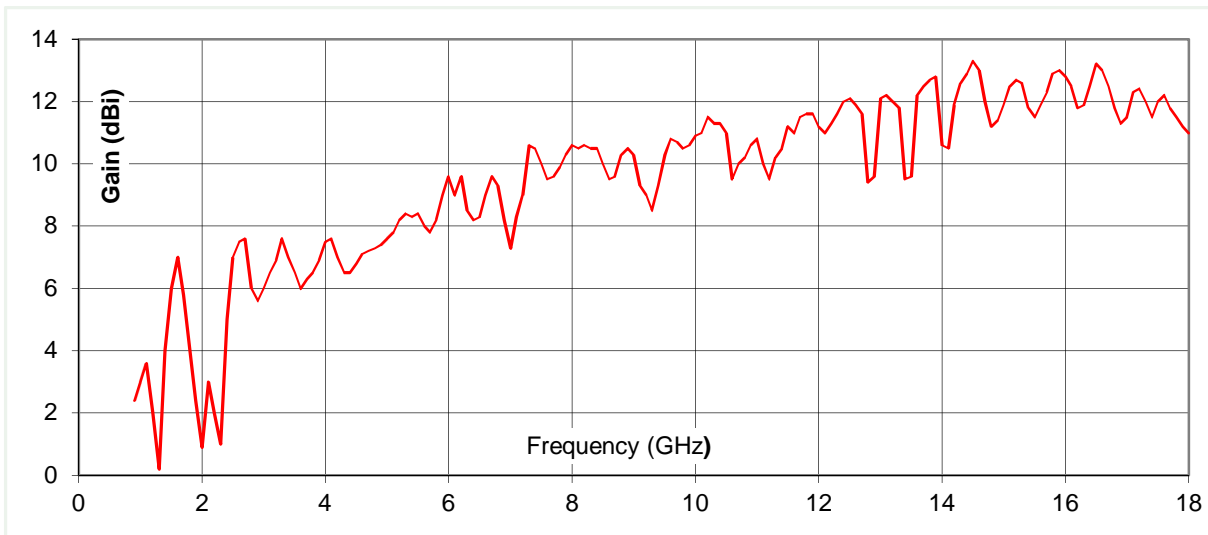
Test Report

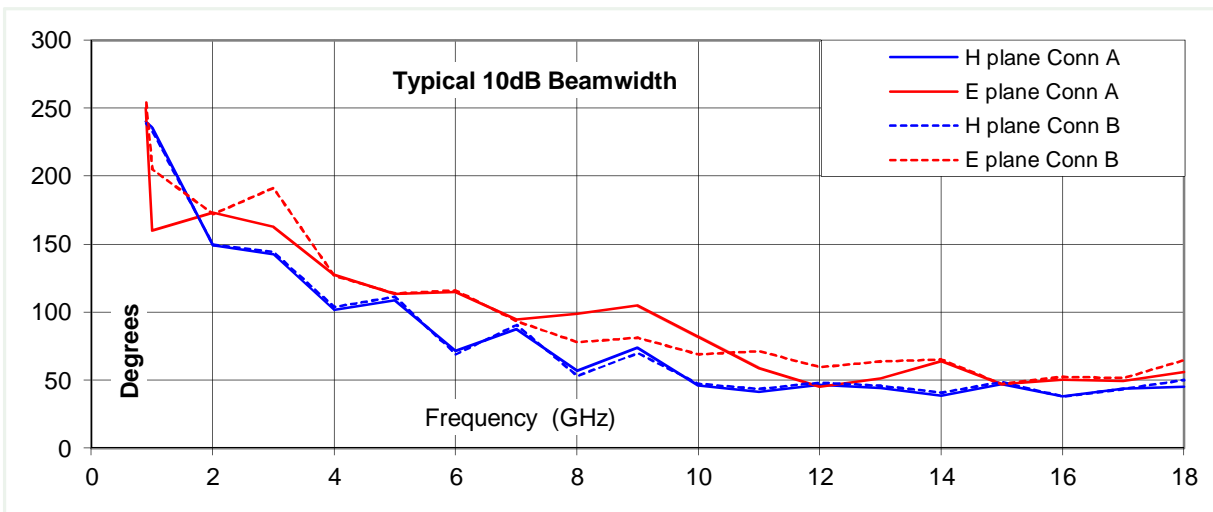
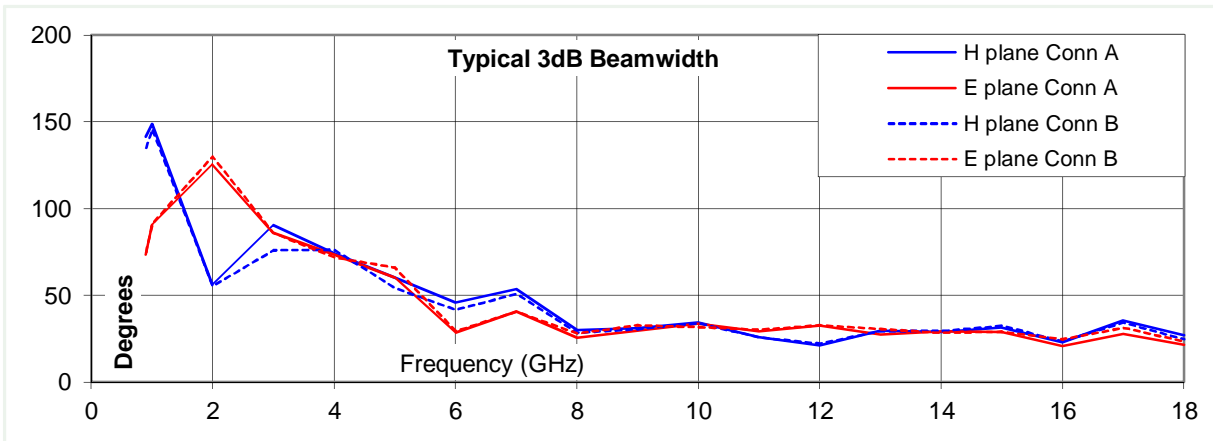
Typical Specification

Frequency	0.9 to 18 GHz
Connector type	2 x SMA Female
Power Handling	40 Watt c.w.
VSWR	Typically < 2.5:1
Gain	0.3 to 13.3 dBi
Antenna Factor	26.9 to 44.4 dB/m
3dB Beamwidth	20 to 120 degrees
Isolation	> 25 dB between connectors
Weight	1.8 kg
Size- max.	215 mm diameter x 230 mm long
Mounting	4 holes M6 on a 90.8 mm PCD
Construction	Anodised aluminium and engineering plastics. Painted.

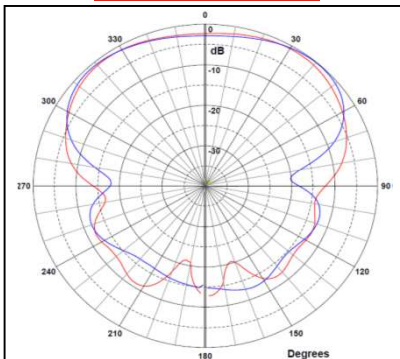
Typical Antenna Gain / Factor

This is calculated by reference to standard gain horn antennas, and cross checked with reference to the antenna beamwidth, with an estimated error of +/- 2 dB.

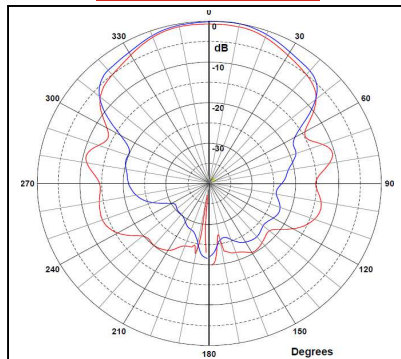




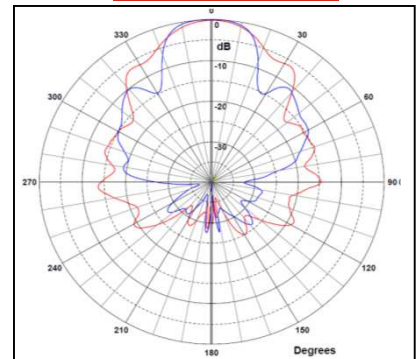
2 GHz



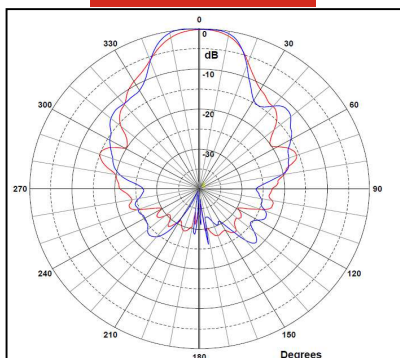
5 GHz



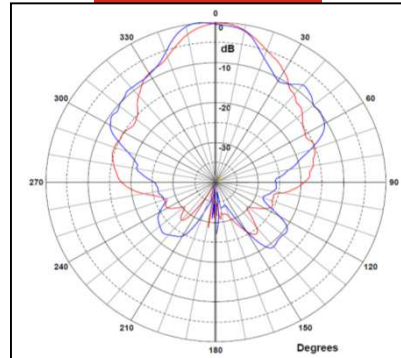
10 GHz



15 GHz



18 GHz



* Red trace = E-plane, Blue trace = H-plane cut