



# 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**

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**VSWR**  
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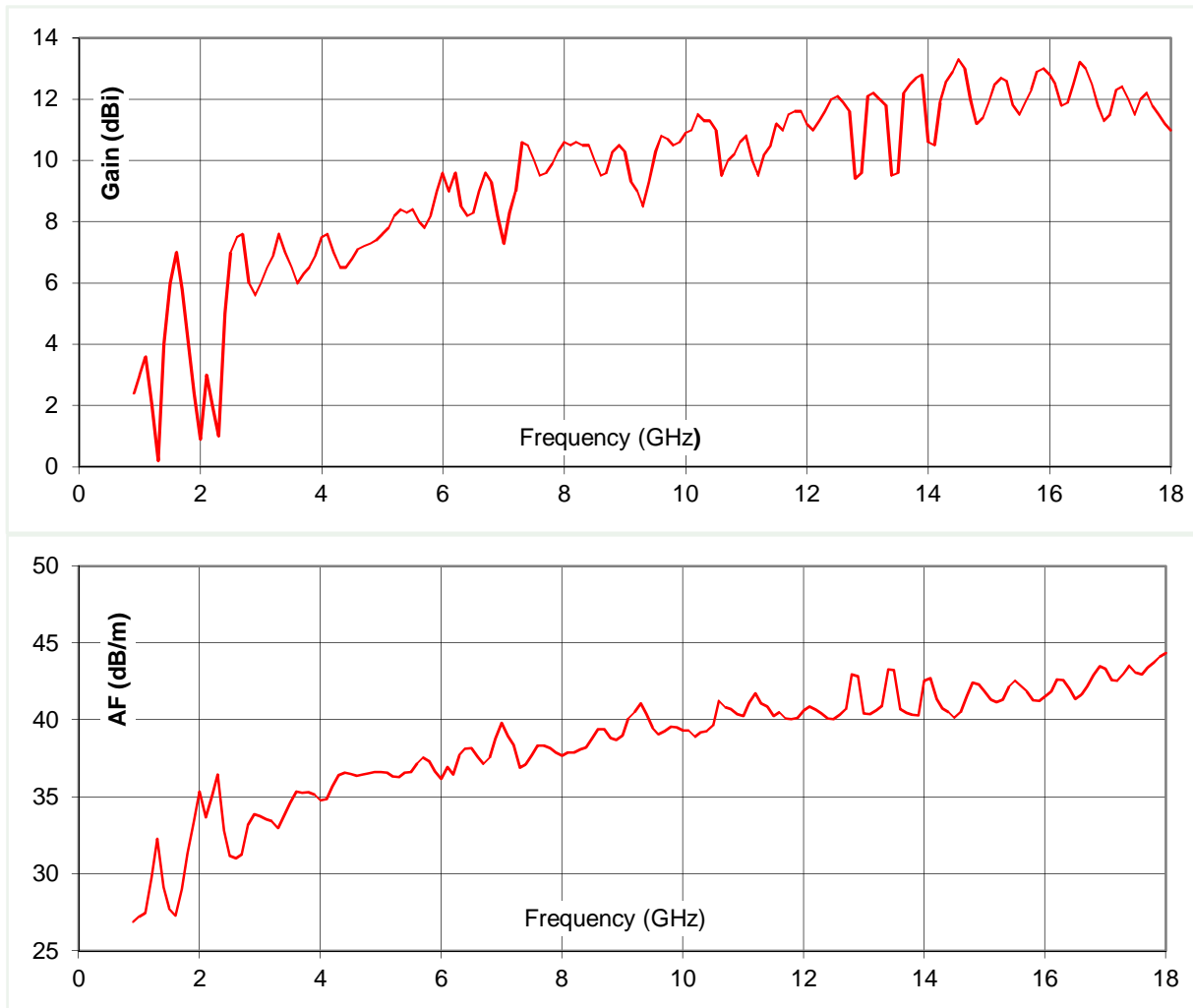


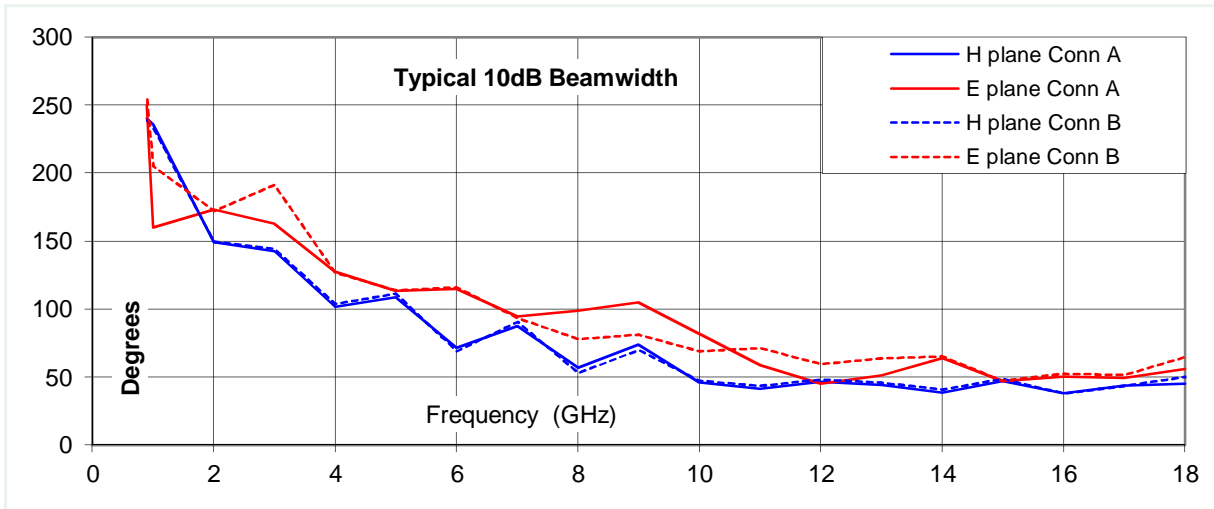
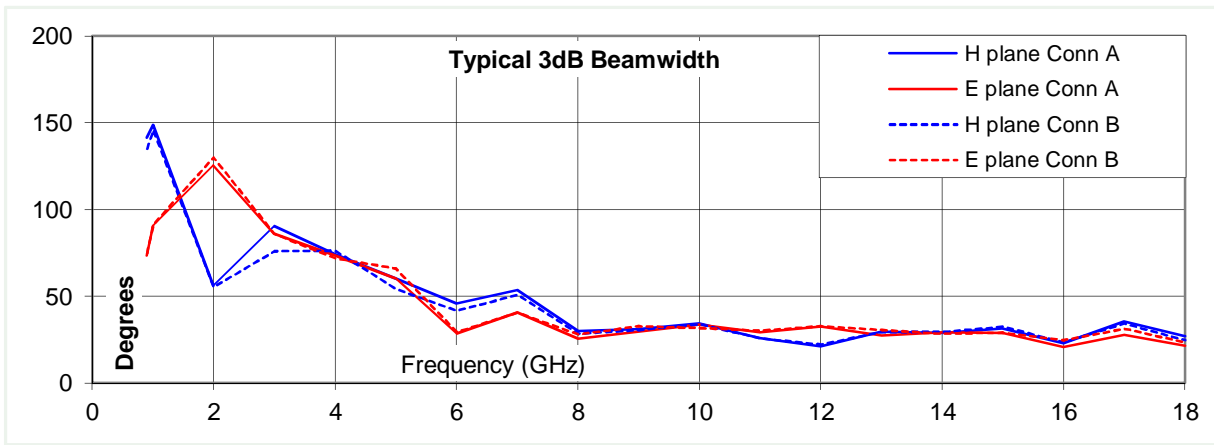
## Typical Specification

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

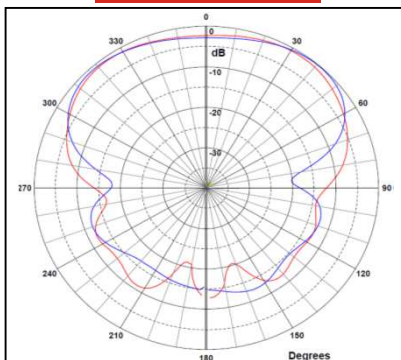
## Typical Antenna Gain / Factor

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.

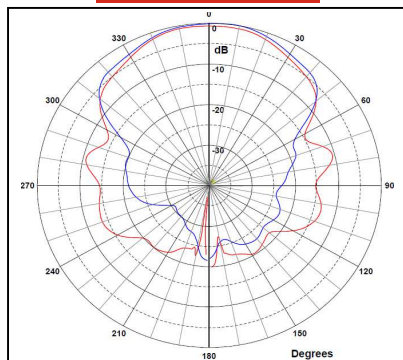




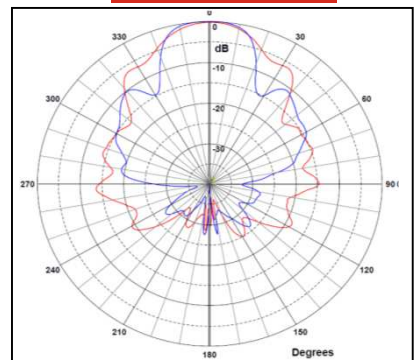
2 GHz



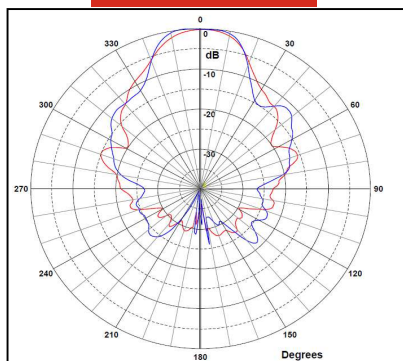
5 GHz



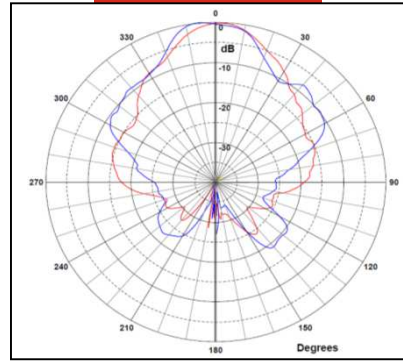
10 GHz



15 GHz



18 GHz



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

