

## 2 - 24 GHz Dual Linearly Polarised Sinuous Antenna fitted with SMA type Connectors

Catalogue number **QSI-DL-2-24-S-SG**

Q-par reference **QMS-00488**

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

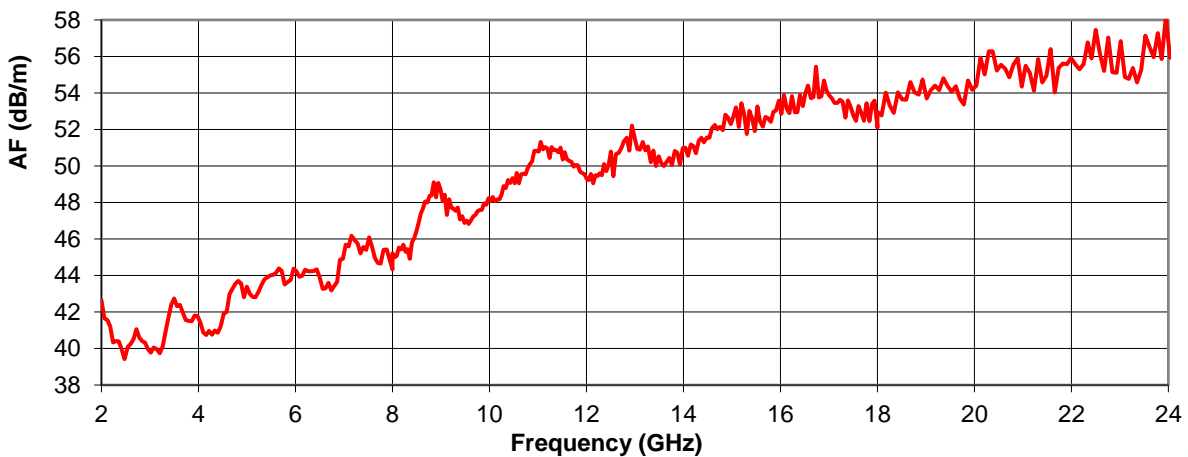
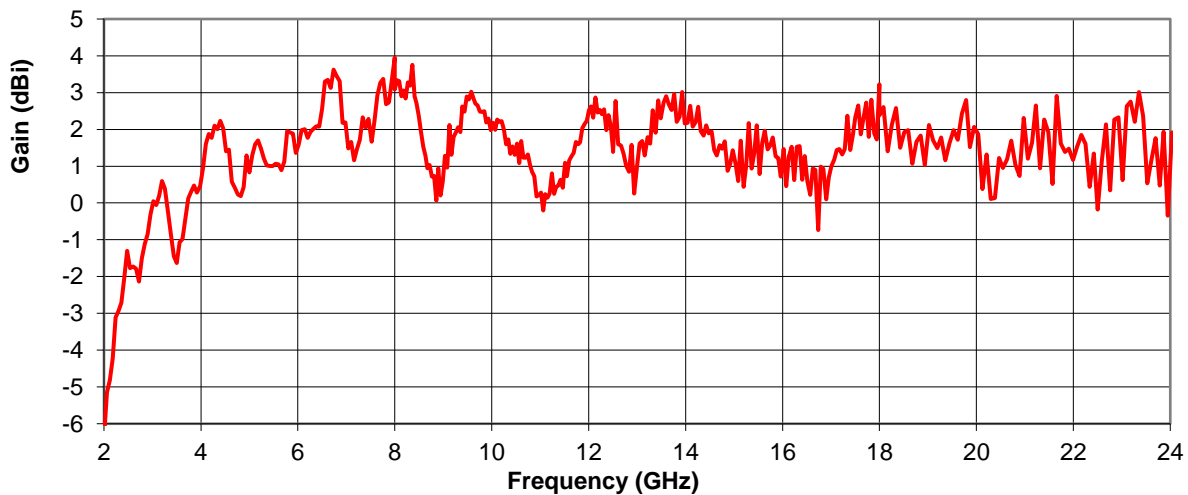


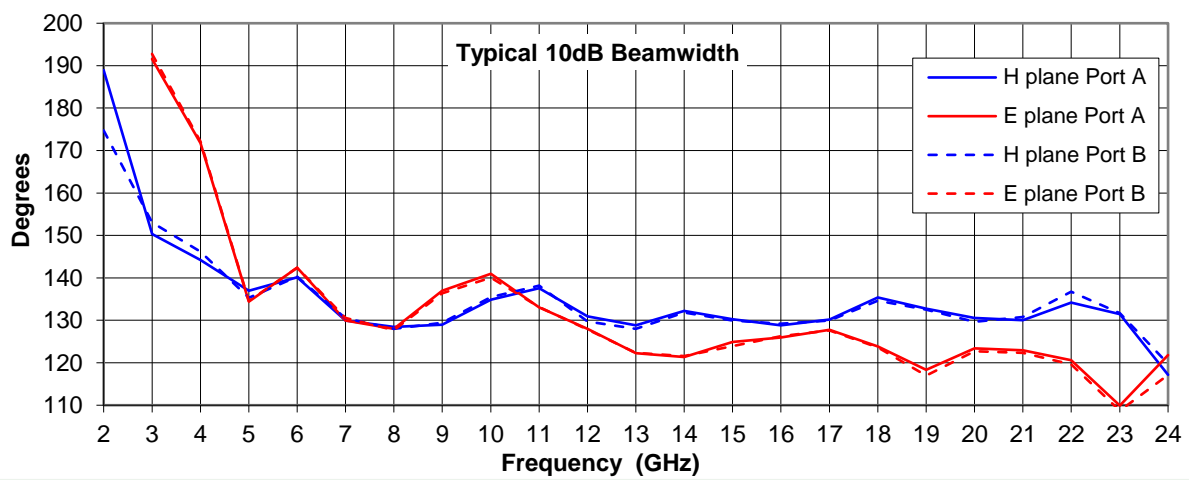
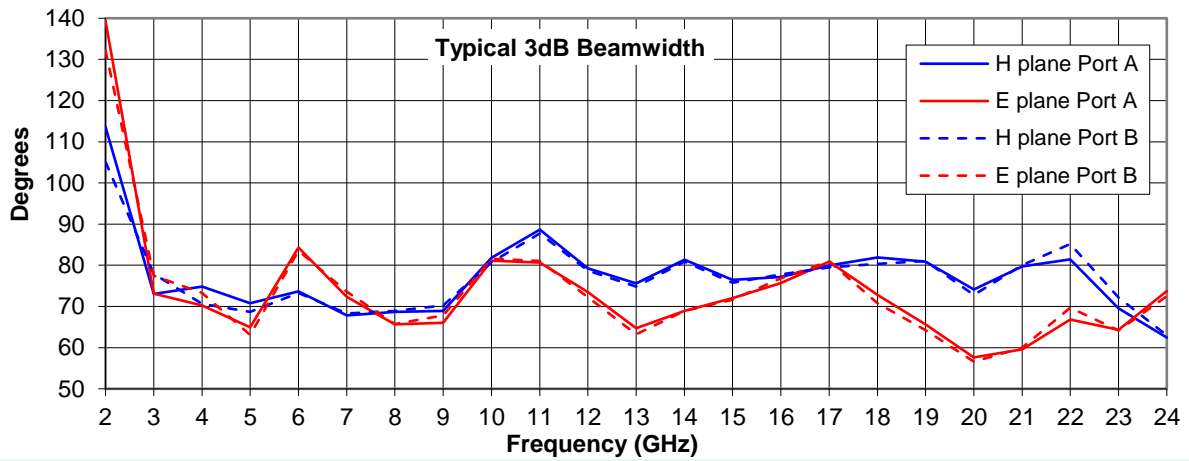
## Typical Specification

<b>Frequency</b>	2 to 24 GHz
<b>Connector Type</b>	2 x SMA jack
<b>Power Handling</b>	5 Watt c.w.
<b>VSWR</b>	Typically < 3.0 :1    4.6 : 1 maximum
<b>Gain</b>	-6.4 to 4.0 dBi
<b>Antenna Factor</b>	39.4 to 58.2 dB/m
<b>3dB Beamwidth</b>	56 to 139 degrees
<b>10dB Beamwidth</b>	108 to 193 degrees
<b>Weight</b>	180 g nominal
<b>Maximum Size</b>	81 mm diameter mount flange. 49 mm overall length.
<b>Mounting</b>	6 holes, diameter 3.4 mm on 75 mm pitch circle diameter. See ICD for positions.
<b>Construction</b>	Aluminium and Engineering Plastics
<b>Isolation</b>	Typically > 35 dB    -25dB minimum

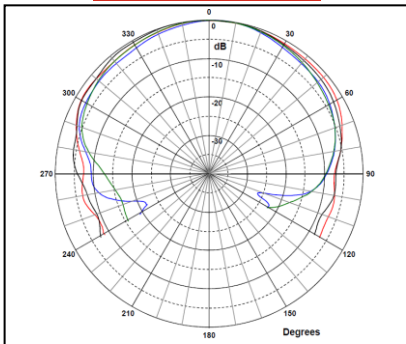
## Typical Antenna Gain / Factor

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.

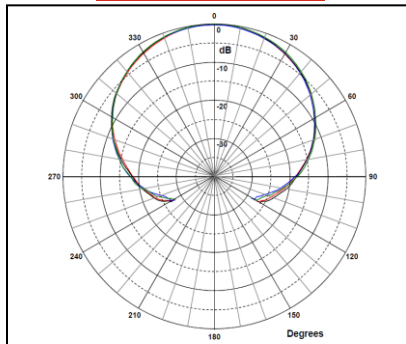




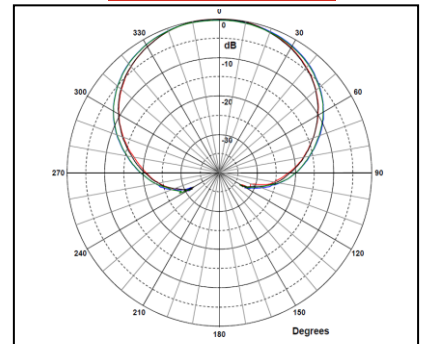
**2 GHz**



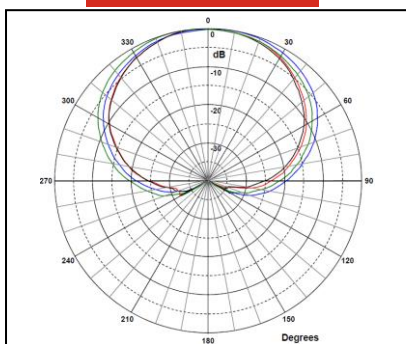
**8 GHz**



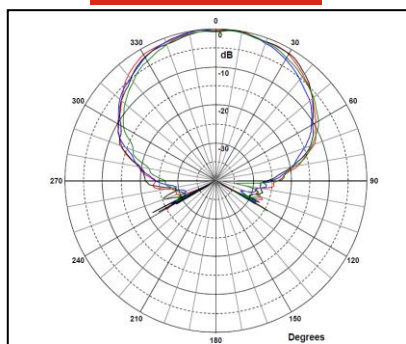
**14 GHz**



**19 GHz**



**24 GHz**



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

