

## 2 - 18 GHz Vertically Polarised Omnidirectional Antenna fitted with an SMA type Connector and Radome

Catalogue number: **QOM-SL-2-18-S-SG-R**

Q-par reference: **QMS-00019**

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



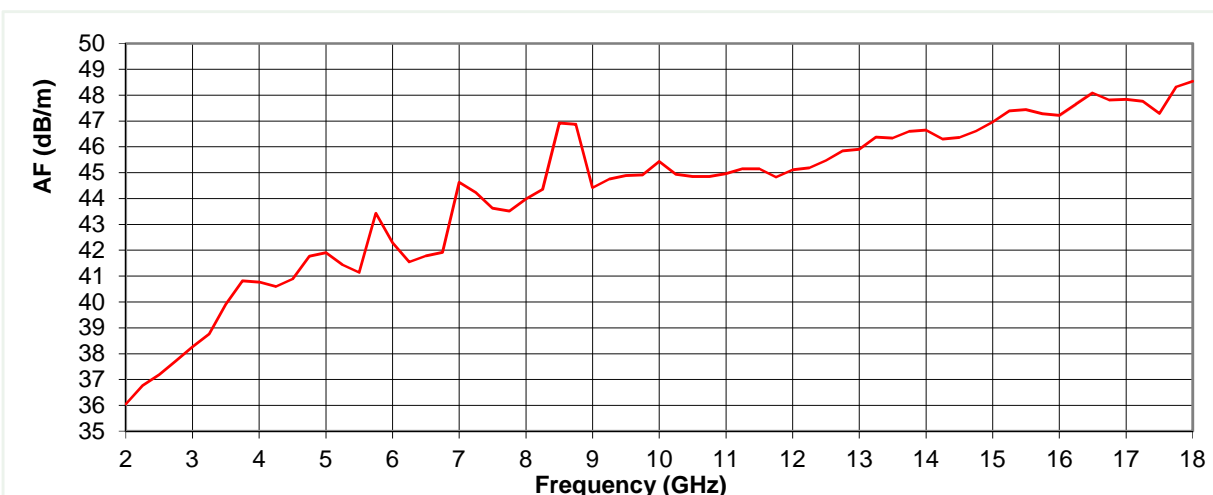
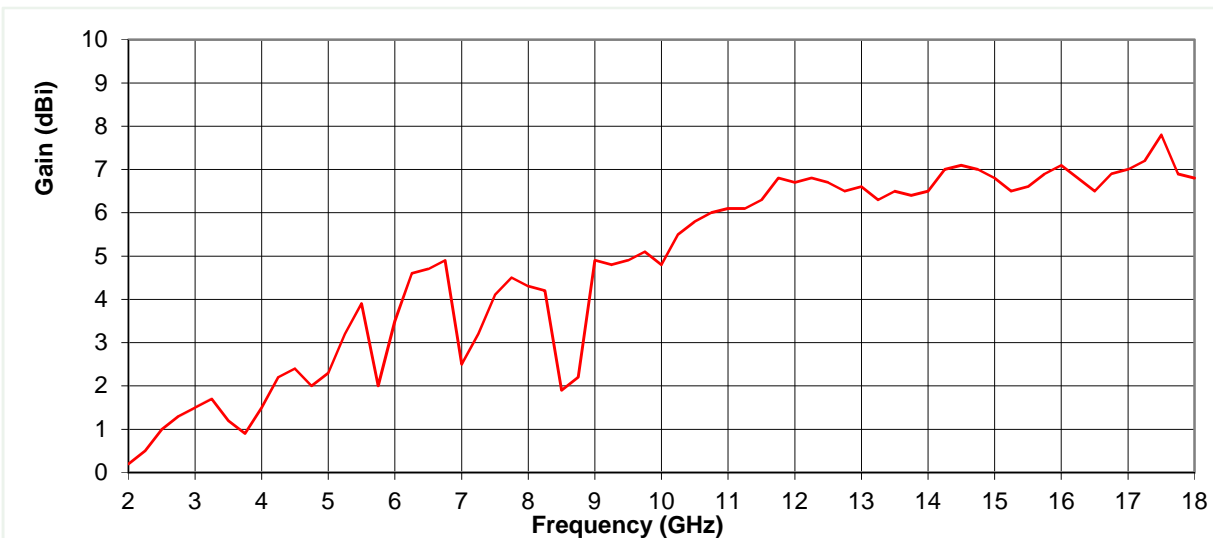
Test Report

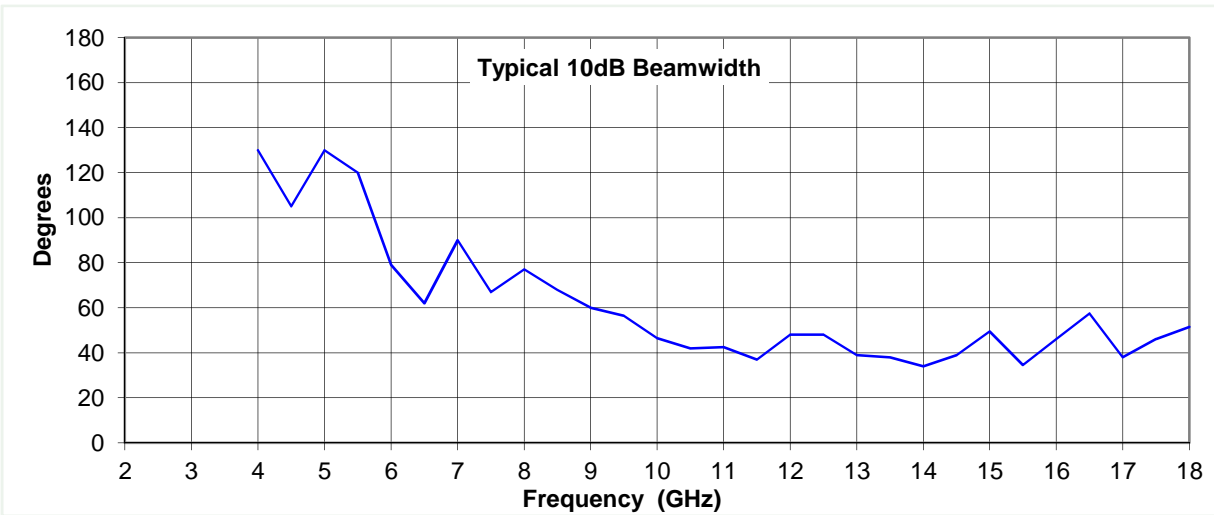
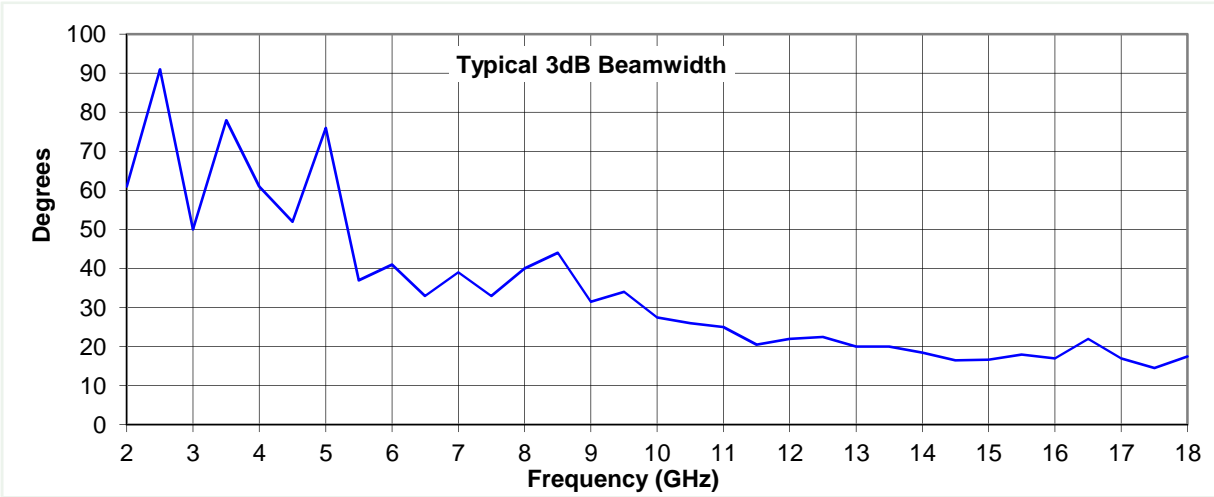
### Typical Specification

<b>Frequency</b>	2 to 18 GHz
<b>Connector type</b>	SMA type jack
<b>Power Handling</b>	40 Watt c.w.
<b>VSWR</b>	< 2.5:1
<b>Gain</b>	0.2 to 7.8 dBi
<b>Antenna Factor</b>	36.1 to 48.5 dB/m
<b>3dB Beamwidth</b>	14.5 to 91 degrees
<b>Weight</b>	3.1 kg nominal
<b>Maximum size</b>	232 mm diameter x 170 mm overall height (incl. bracket)
<b>Mounting</b>	Mounting bracket attached with 2 'U' bolts, suitable for mounting on a pole up to diameter 60 mm
<b>Construction</b>	Stainless Steel, Aluminium and Engineering Plastics. Painted.

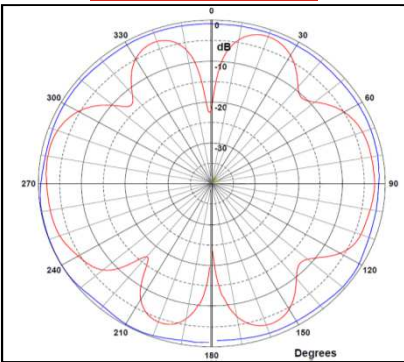
### Typical Antenna Gain / Factor

This is calculated by reference to standard gain horn antennas, and cross checked with reference to the antenna beamwidth, with an estimated error of +/- 0.8dB.

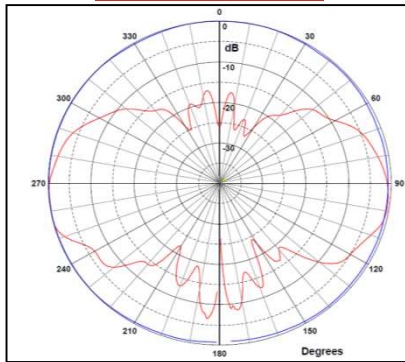




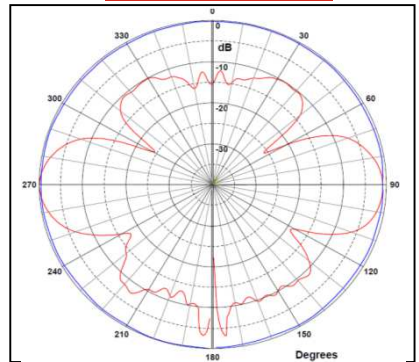
2 GHz



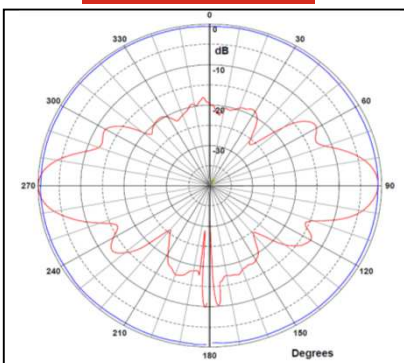
6 GHz



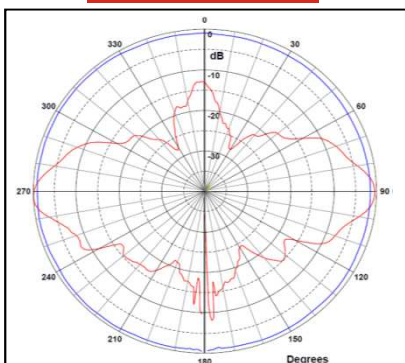
10 GHz



14 GHz



18 GHz



Red trace = Elevation, Blue trace = Azimuth cut