

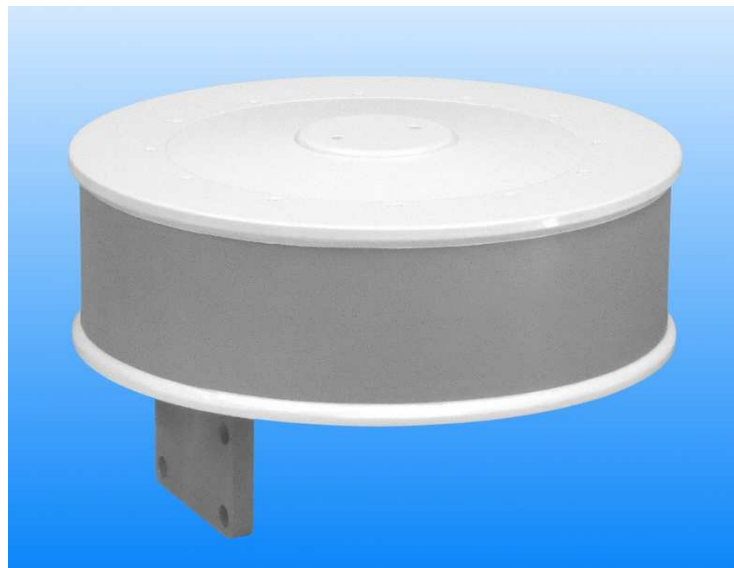


## 2 - 18 GHz Slant Polarised Omnidirectional Antenna fitted with an SMA type Connector and Radome

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

Q-par reference: **QMS-00020**

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



## Typical Specification

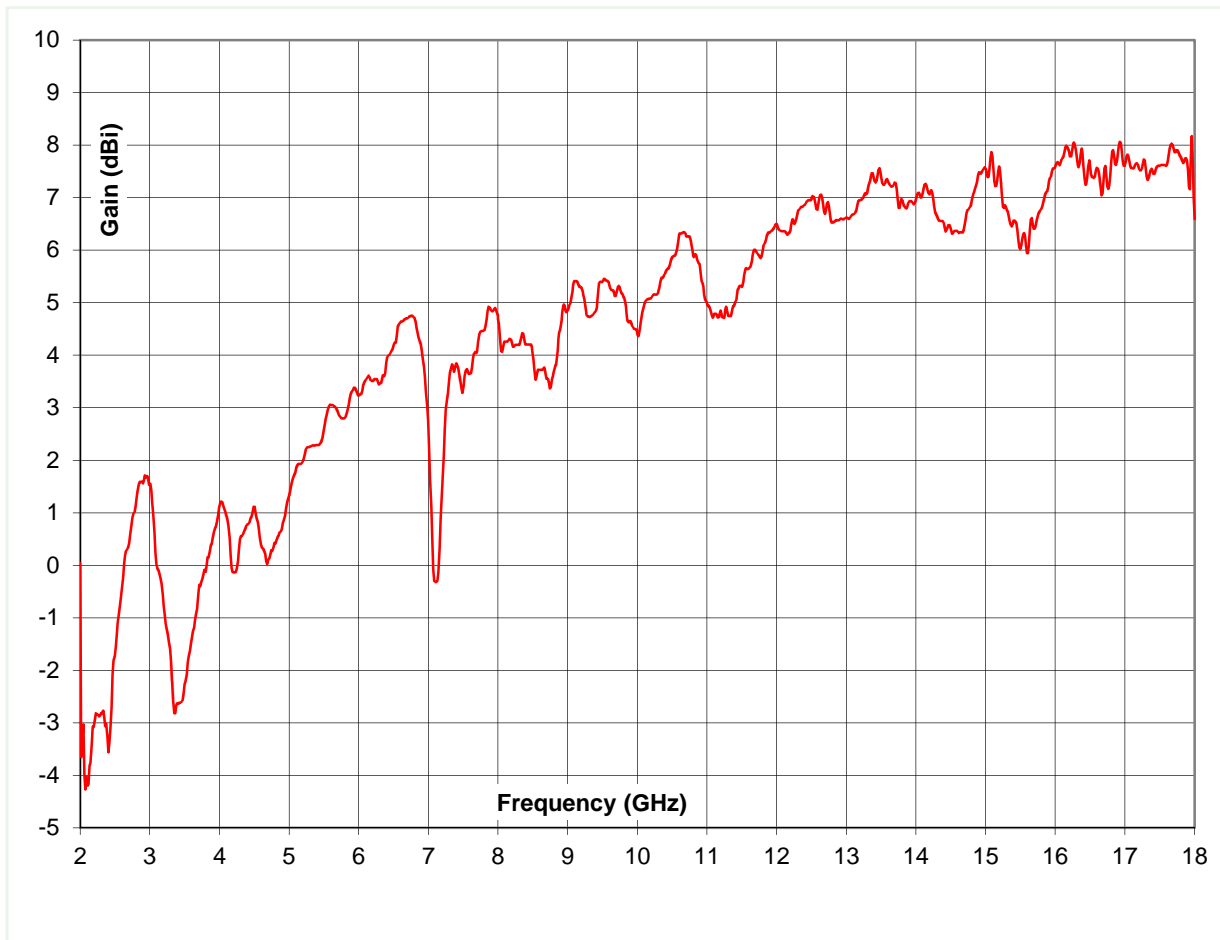
<b>Frequency</b>	2 to 18 GHz
<b>Connector type</b>	SMA type jack
<b>Power Handling</b>	50 Watt c.w.
<b>VSWR</b>	< 2.5 :1 over 90 % band
<b>Gain</b>	-4.3 to 8.4 dBi
<b>3dB Beamwidth</b>	14 to 43 degrees (6 to 18 GHz)
<b>10dB Beamwidth</b>	28 to 92 degrees (6 to 18 GHz)
<b>Weight</b>	3.9 kg nominal (including bracket and fixings)
<b>Size- max.</b>	Diameter 261 x 175 mm tall (including bracket)
<b>Mounting</b>	2 x U bolts (will fit to 30 to 60 mm diameter pole)
<b>Construction</b>	Aluminium, painted. Copolymer radome.

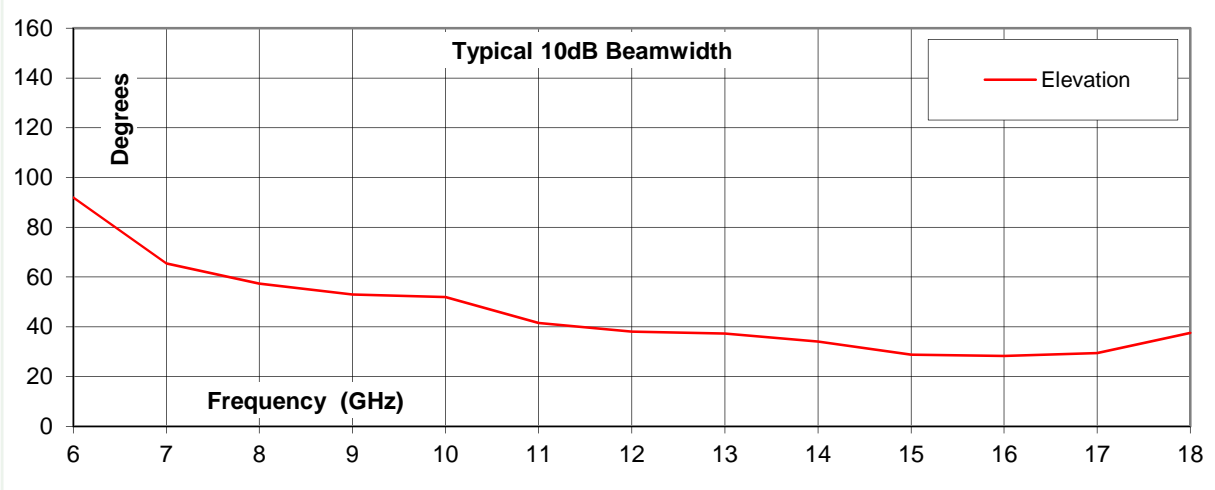
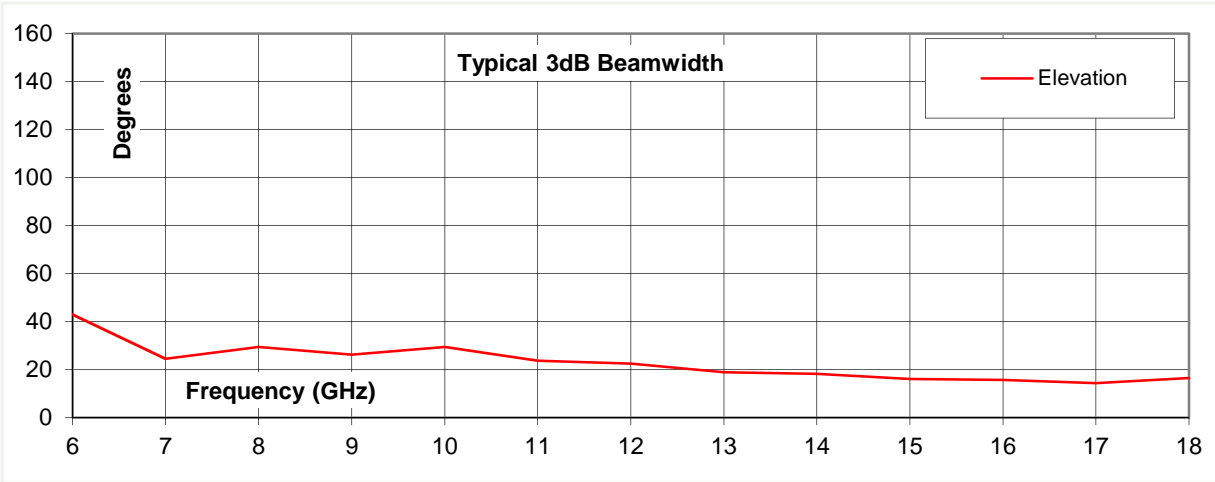
*Note: Ground plane may influence antenna performance at low frequencies*

## Typical Copolarised Antenna Gain

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.

*Note: Gain is referenced to a Slant Polarised source*

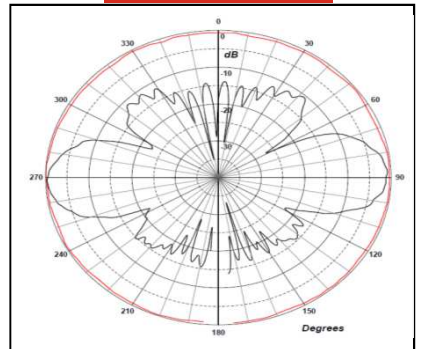
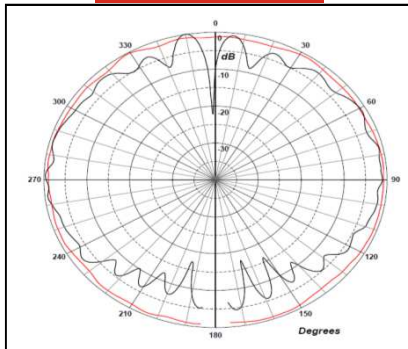
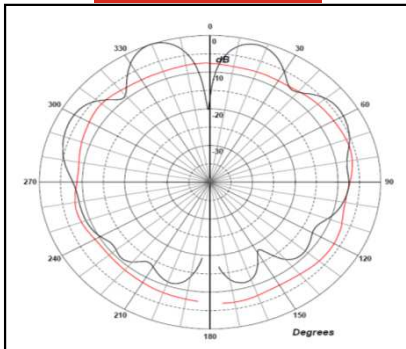




**2 GHz**

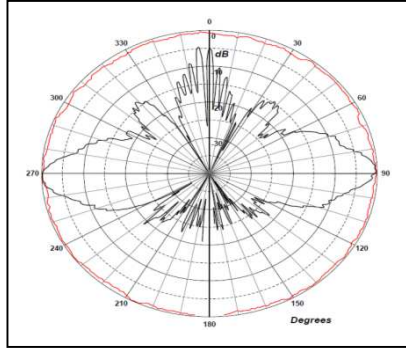
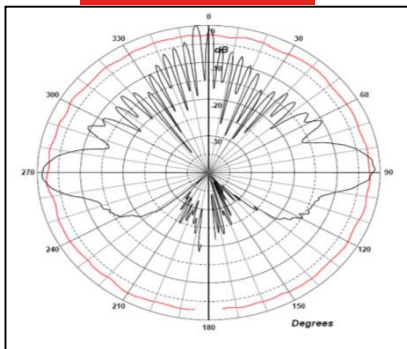
**5 GHz**

**10 GHz**



**15 GHz**

**18 GHz**



Black = Elevation, Red = Azimuth

