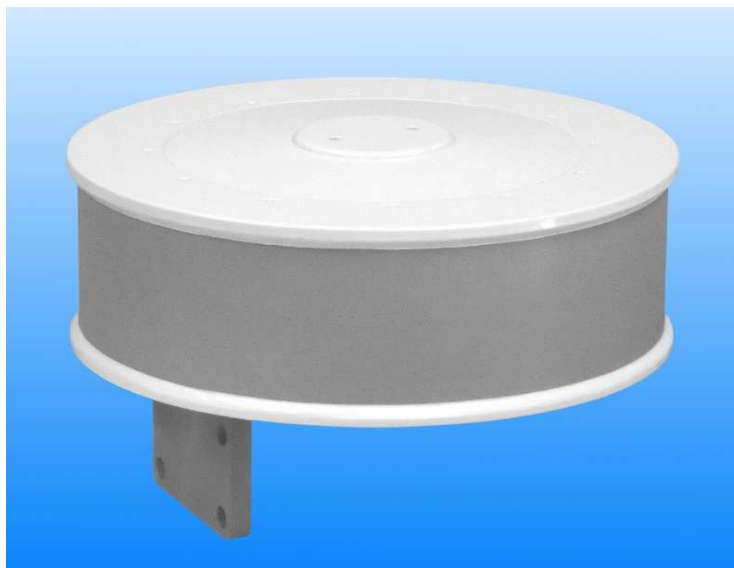


2 - 18 GHz Slant Polarised Omnidirectional Antenna fitted with an SMA type Connector and Radome

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

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

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



Typical Specification

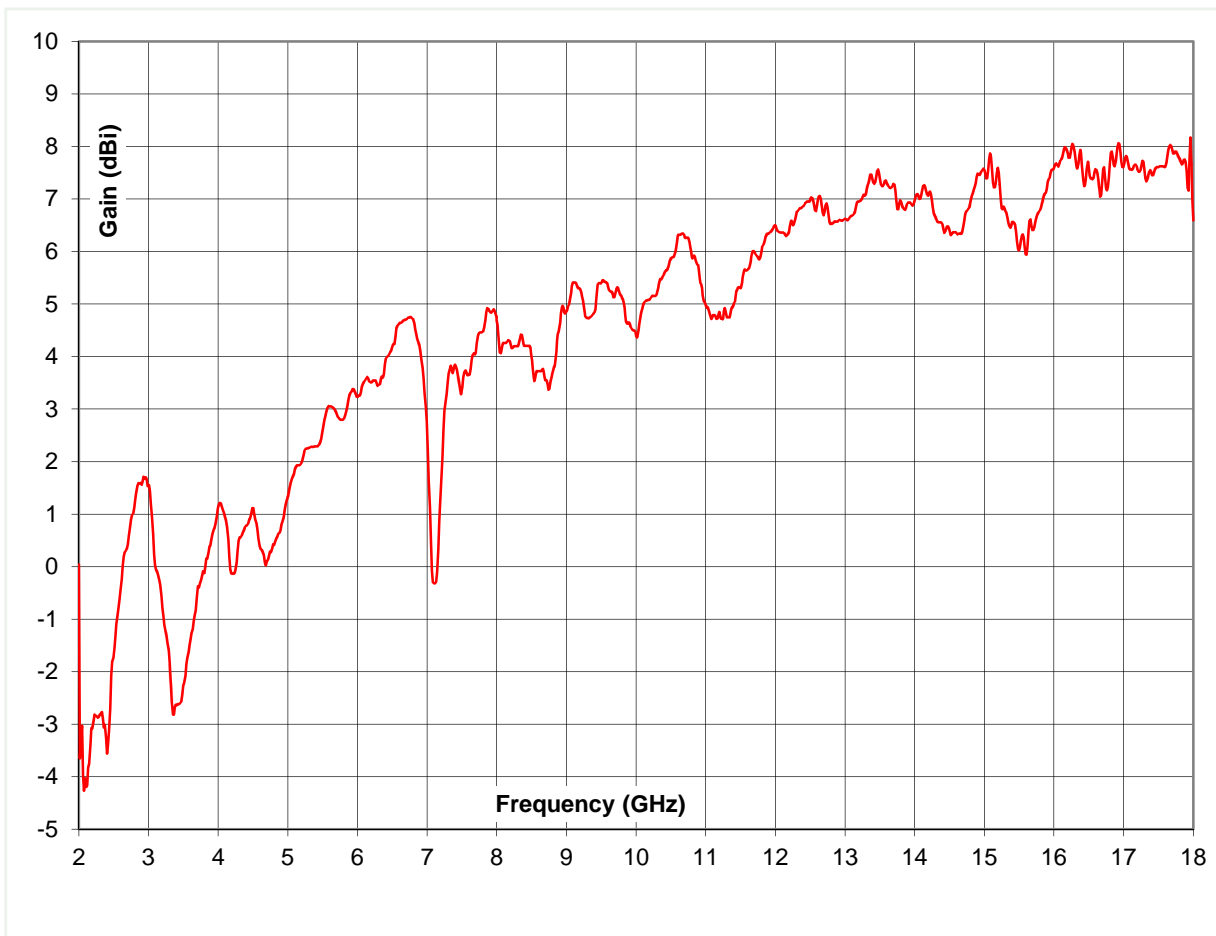
Frequency	2 to 18 GHz
Connector type	SMA type jack
Power Handling	50 Watt c.w.
VSWR	< 2.5 :1 over 90 % band
Gain	-4.3 to 8.4 dBi
3dB Beamwidth	14 to 43 degrees (6 to 18 GHz)
10dB Beamwidth	28 to 92 degrees (6 to 18 GHz)
Weight	3.9 kg nominal (including bracket and fixings)
Size- max.	Diameter 261 x 175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

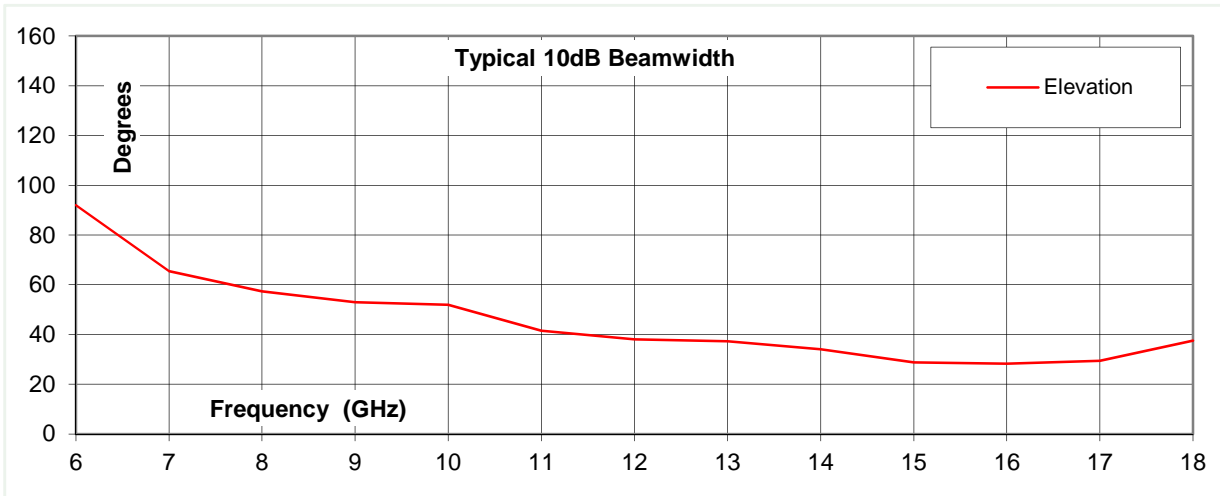
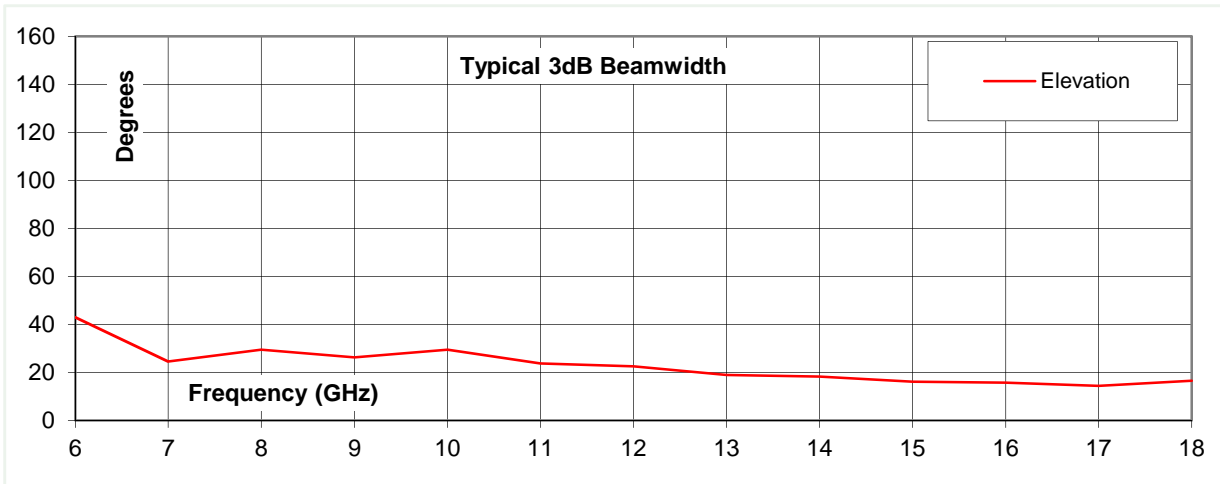
Note: Ground plane may influence antenna performance at low frequencies

Typical Copolarised Antenna Gain

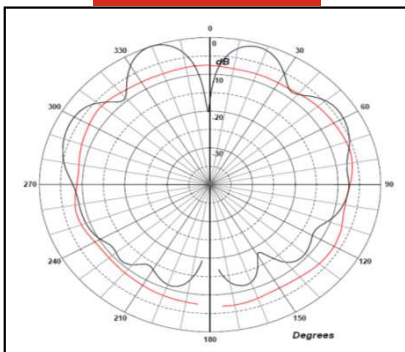
This is calculated by reference to standard gain horn antennas, and cross checked with reference to the antenna beamwidth, with an estimated error of +/- 0.8dB.

Note: Gain is referenced to a Slant Polarised source

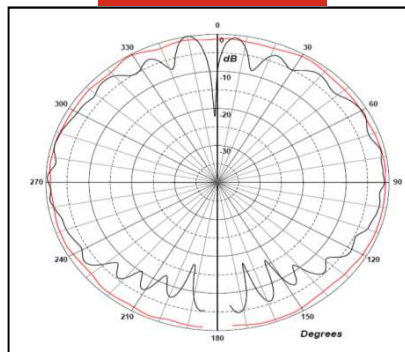




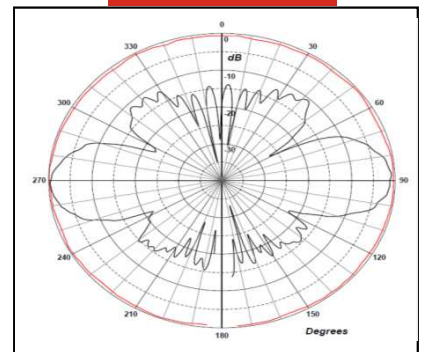
2 GHz



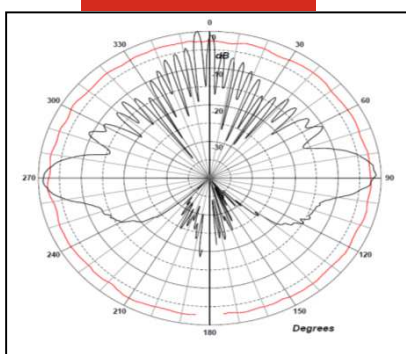
5 GHz



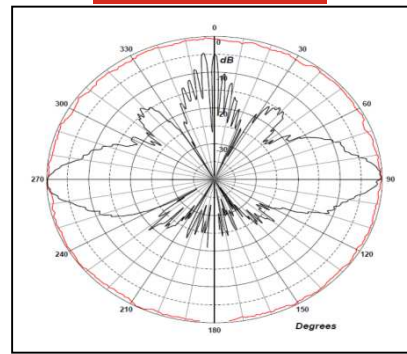
10 GHz



15 GHz



18 GHz



Black = Elevation, Red = Azimuth