

2 - 18 GHz Dual Circularly Polarised Sinuous Antenna fitted with SMA type Connectors and Lensed Radome

Catalogue number **QSI-DC-2-18-S-SG-L**

Q-par reference **QMS-00044**

Contents **Summary**
Typical Gain / Axial Ratio
Typical Beamwidth / Patterns
VSWR

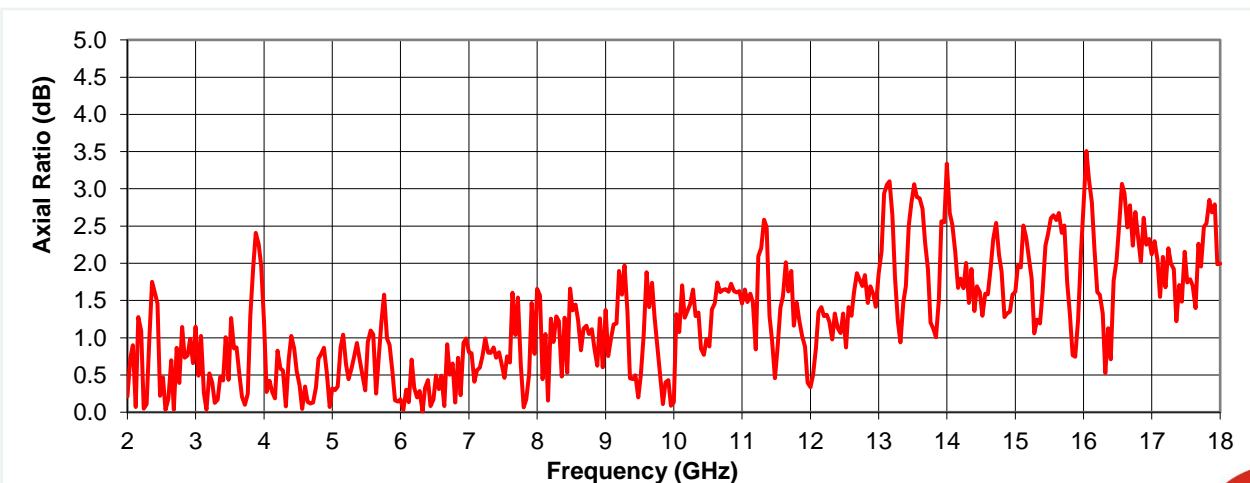
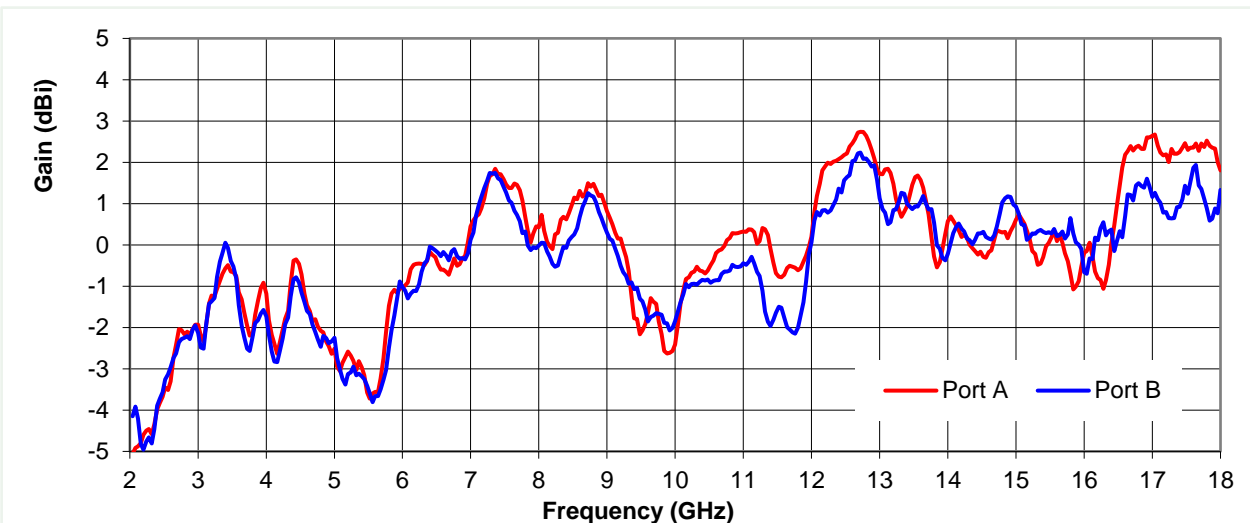


Typical Specification

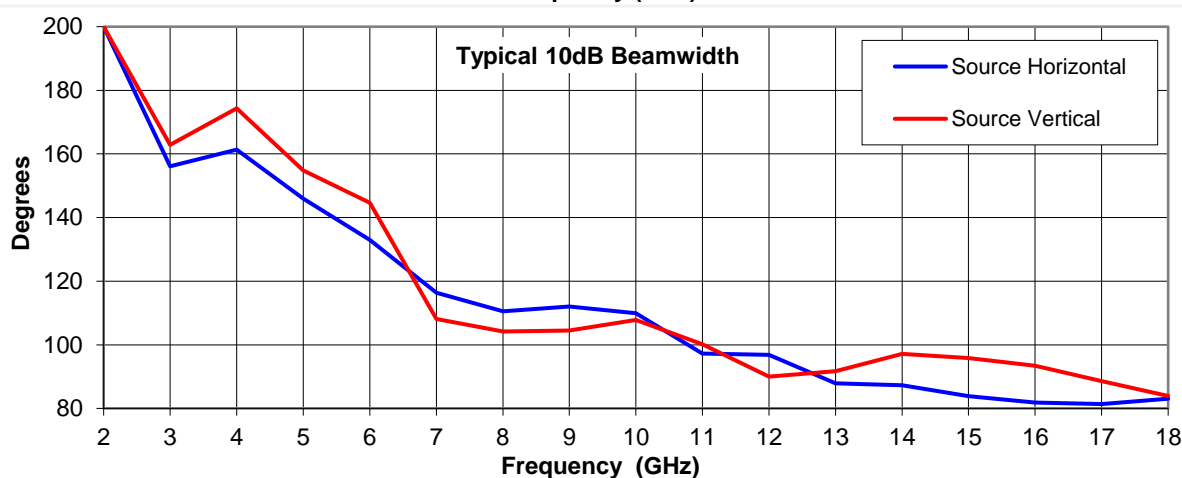
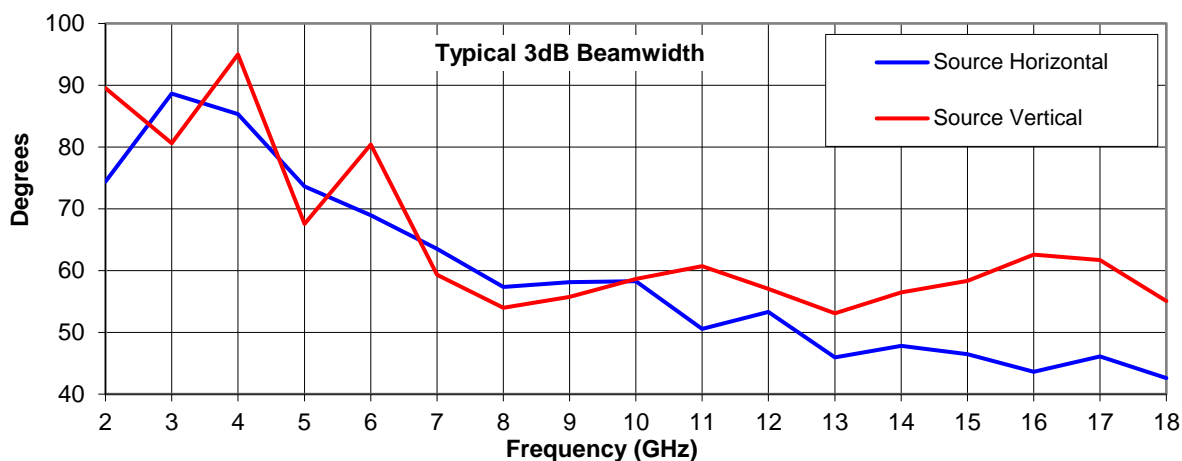
Frequency	2 to 18 GHz
Connector Type	2 x SMA type jack
Power Handling	2 Watt c.w.
VSWR	< 2 :1 (Typically)
Gain	- 5.2 to 2.6 dBiL
Axial Ratio	Typically < +/- 1.5 dB, 3.5 dB maximum.
3dB Beamwidth	43 to 95 degrees
10dB Beamwidth	81 to 200 degrees
Weight	444 g
Maximum Size	81 mm diameter x 108 mm long (including connectors)
Mounting	81 mm diameter flange with 6 holes of diameter 3.3 mm on a 75 mm pitch circle diameter
Construction	Aluminium and Engineering Plastics with PTFE (Teflon) Radome

Typical Antenna Gain / Axial Ratio (Boresight)

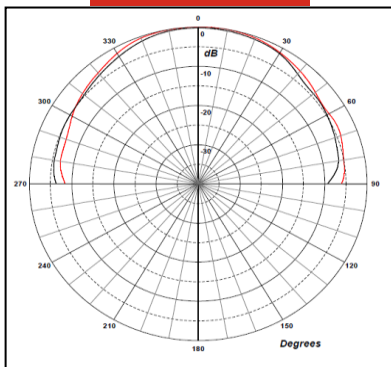
This is calculated by reference to standard gain horn antennas, and cross checked with reference to the antenna beamwidth, with an estimated error of +/- 0.8dB.



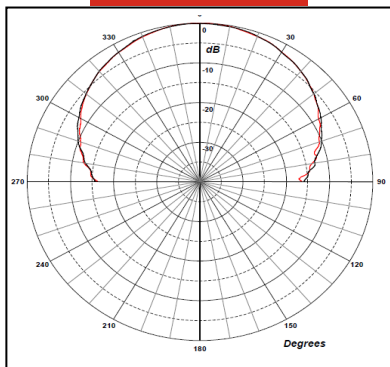
Typical Beamwidth / Radiation Patterns



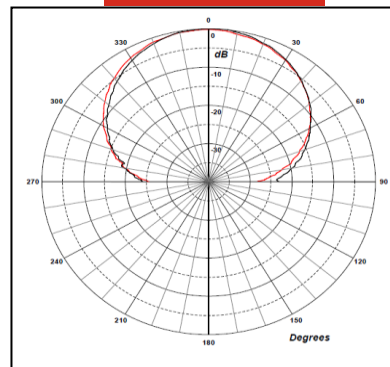
2 GHz



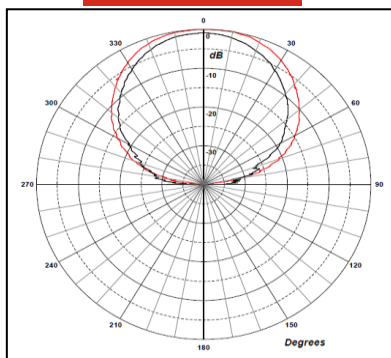
6 GHz



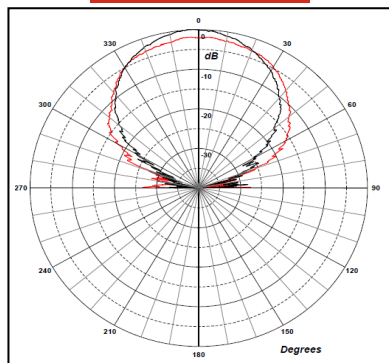
10 GHz



14 GHz



18 GHz



Linearly polarised patterns. Red trace = source horizontal; black

