

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

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

Q-par reference **QMS-00044**

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



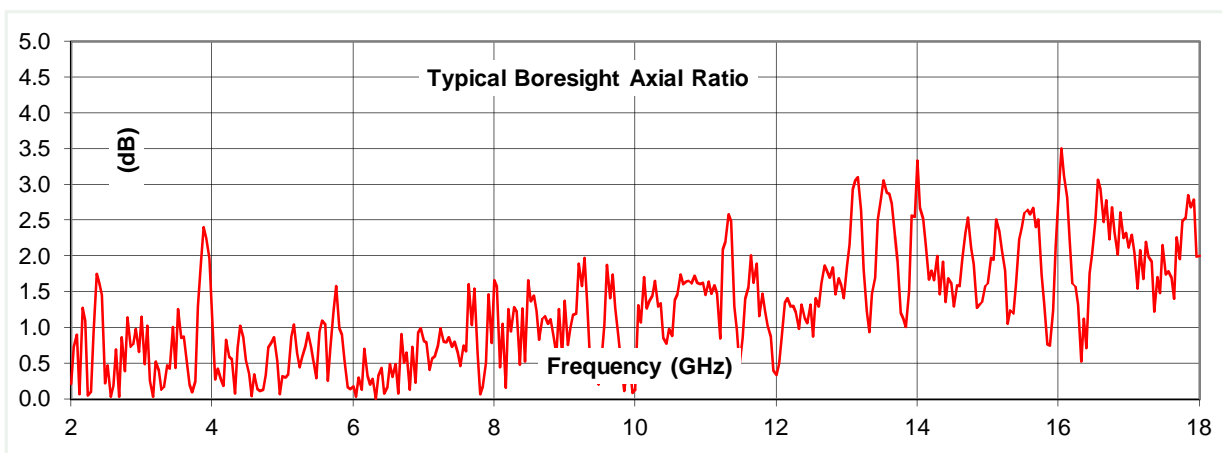
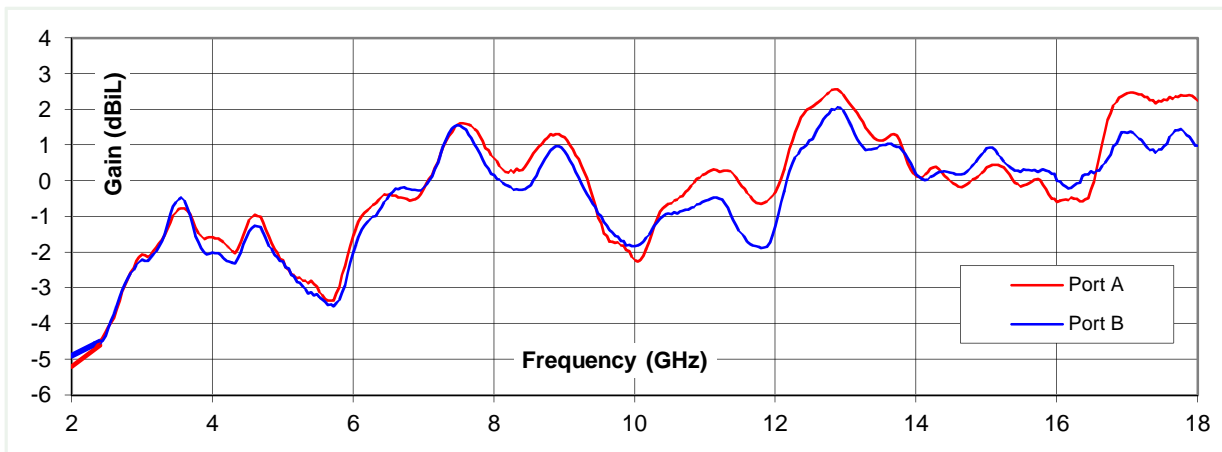
Typical photograph. Finish according to customer specifications.

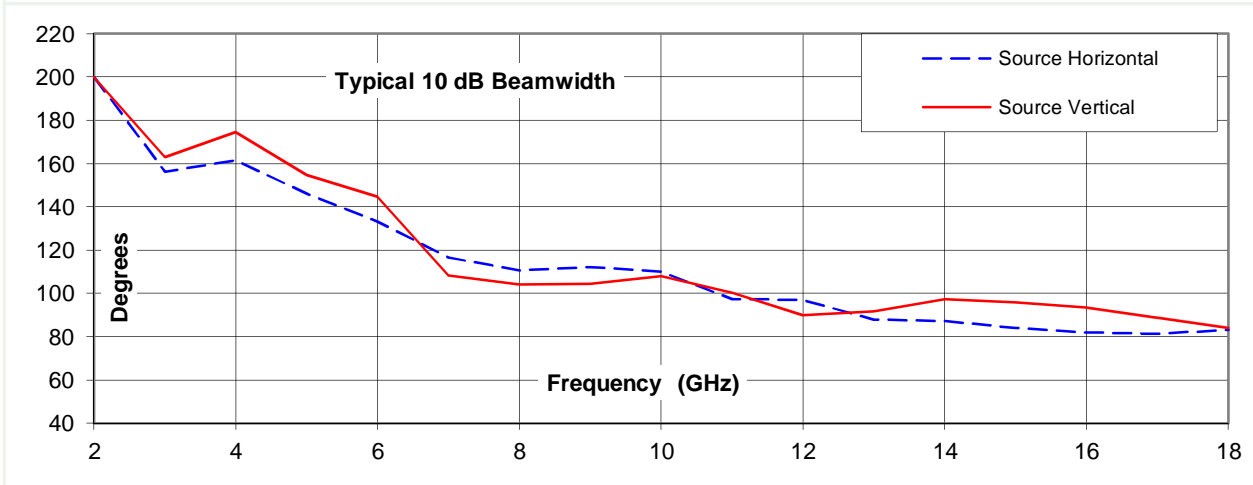
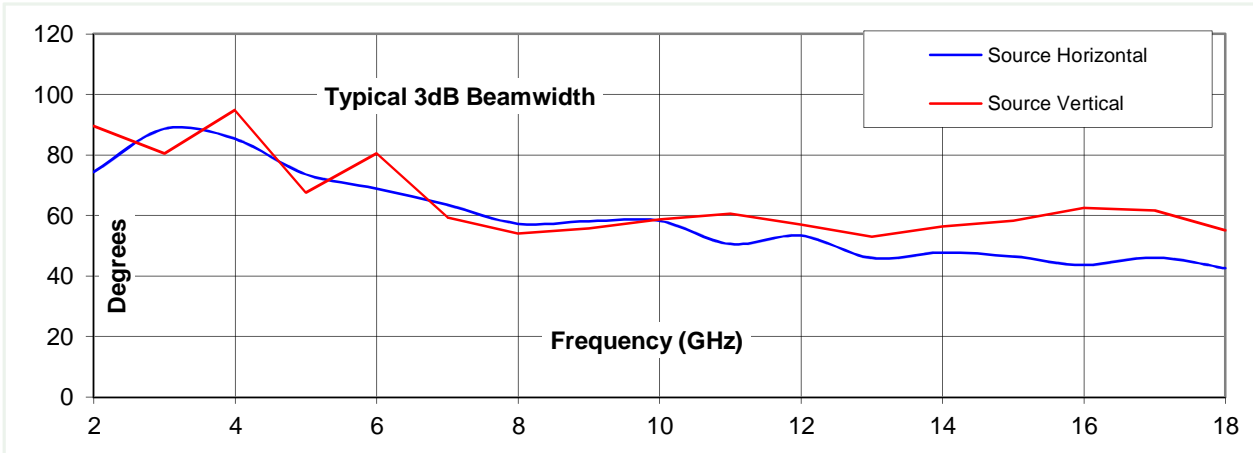
Typical Specification

Frequency	2 to 18 GHz
Connector type	2 x SMA type jack
Power Handling	2 Watt c.w.
VSWR	< 2 :1
Gain	- 5.2 to 2.6 dBiL
3dB Beamwidth	42.6 to 95 degrees
10dB Beamwidth	81.4 to 200 degrees
Axial ratio	Typically < +/- 1.5 dB, 3.5 dB maximum.
Weight	444 g
Size- max.	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
Port A	Left Hand Circular Polarised (LHCP)
Port B	Right Hand Circular Polarised (RHCP)

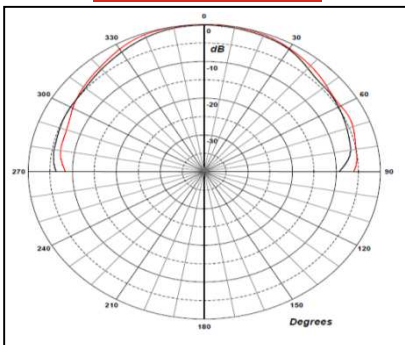
Typical Linear Antenna Gain / Axial Ratio / Beamwidth

Gain 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.

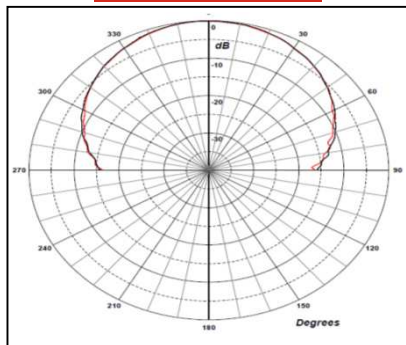




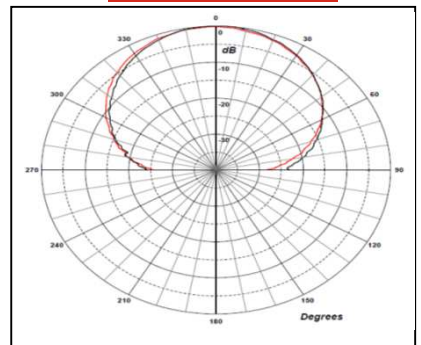
2 GHz



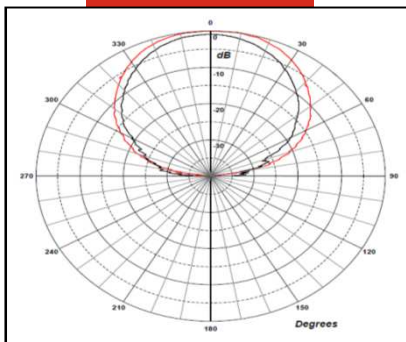
6 GHz



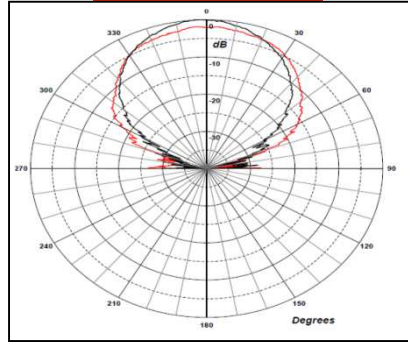
10 GHz



14 GHz



18 GHz



Linearly polarised patterns. Red trace = source horizontal; black trace source vertical

