

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

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

Q-par reference **QMS-00045**

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

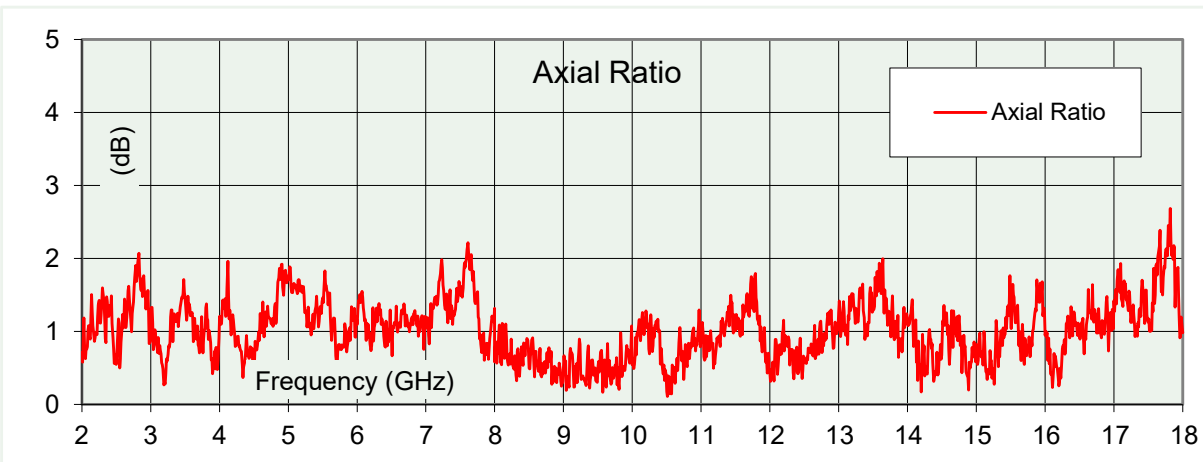
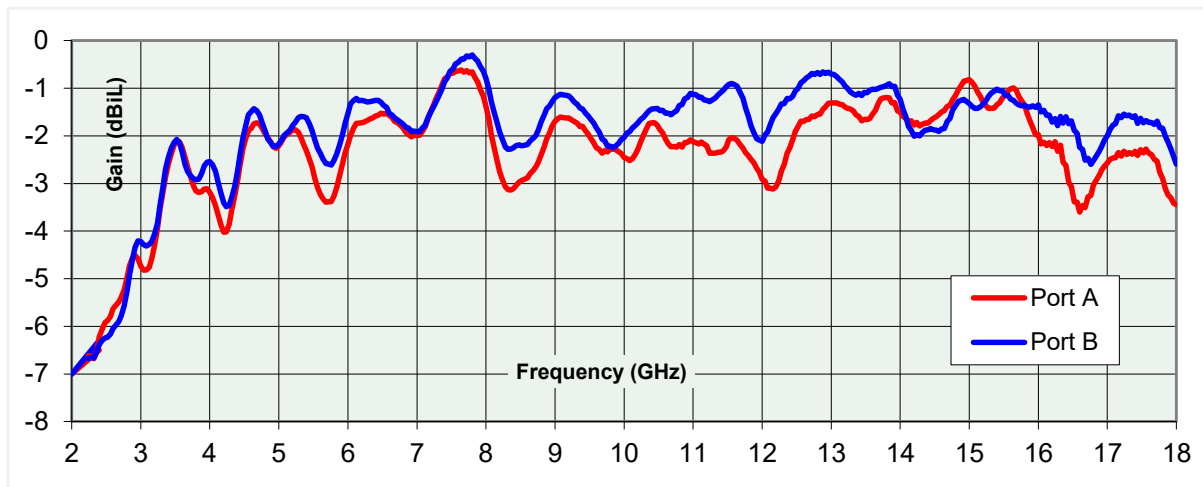


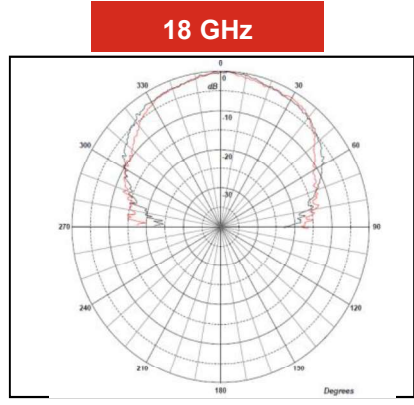
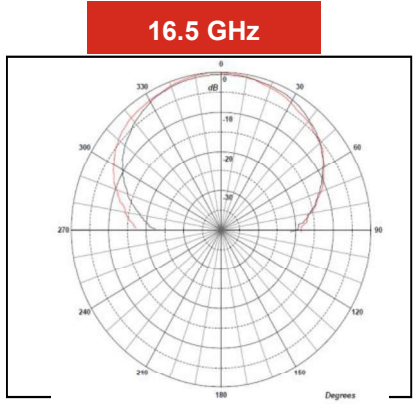
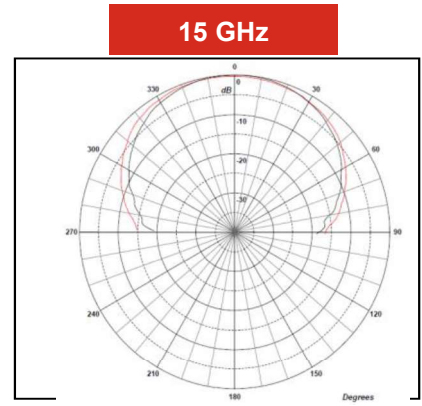
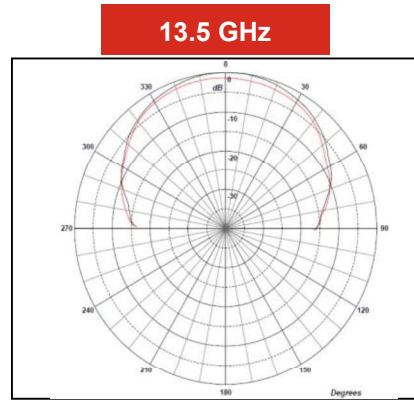
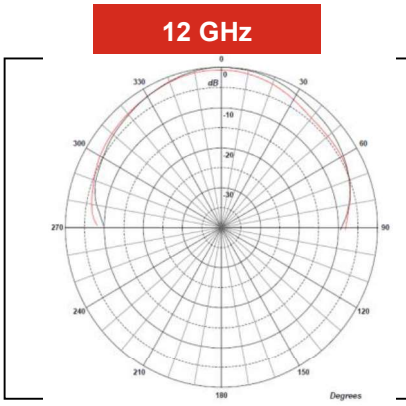
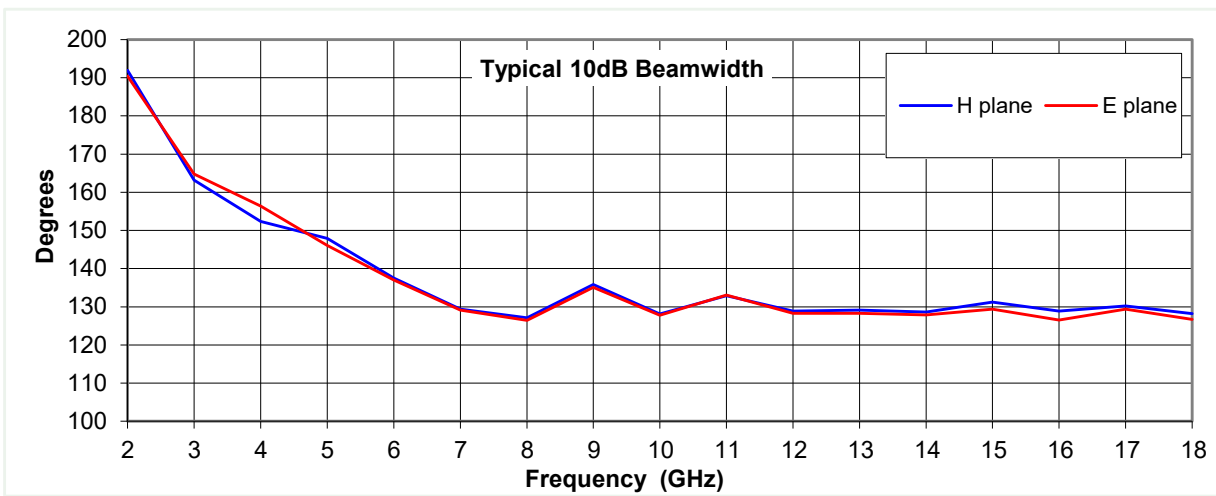
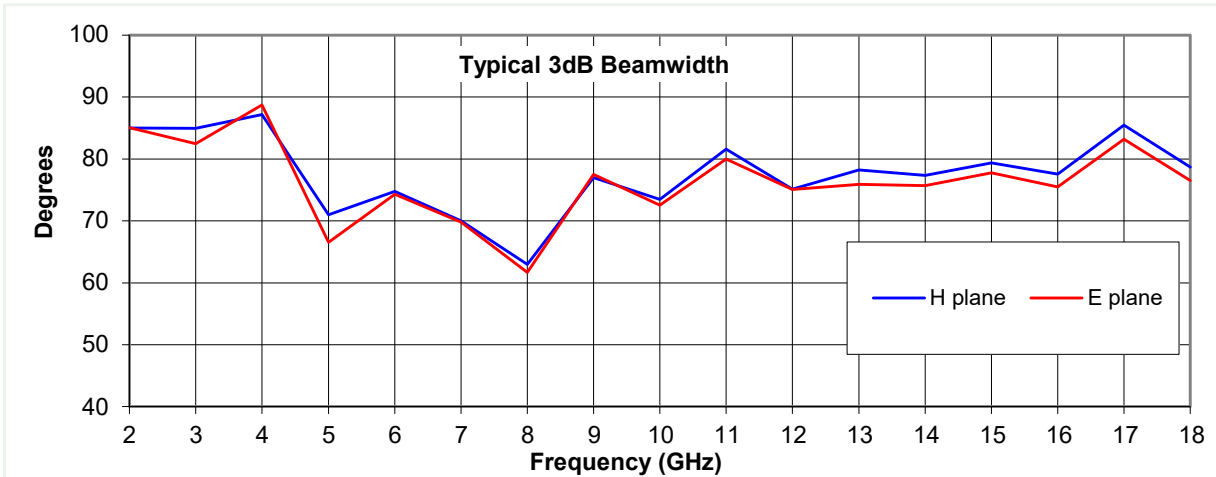
Typical Specification

Frequency	2 to 18 GHz
Connector Type	2 x SMA Jack (Port A LHCP, Port B RHCP)
Power Handling	2 Watt c.w.
VSWR	typically < 2 :1
Gain	- 7 to -0.3 dBiL
Antenna Factor	41.6 to 54.1 dB/m
3dB Beamwidth	62 to 89 degrees
10dB Beamwidth	126 to 192 degrees
Weight	310 g
Maximum Size	60 mm aperture x 82 mm long (incl. Connectors)
Mounting	81 mm diameter flange with 6 holes of diameter 3.3 mm on a 75 mm p.c.d.
Construction	Aluminium and Engineering Plastics

Typical Antenna Gain / Axial Ratio

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.





Red trace = E-plane, Blue trace = H-plane cut

