



## 2 - 18 GHz Right-hand Circularly Polarised Spiral Antenna fitted with an SMA type Connector and Radome

Catalogue number	<b>QSP-RC-2-18-S-SG-R</b>
Q-par reference	<b>QMS-00760</b>
Contents	<b>Summary Typical Gain / Axial Ratio Typical Beamwidth / Patterns VSWR</b>

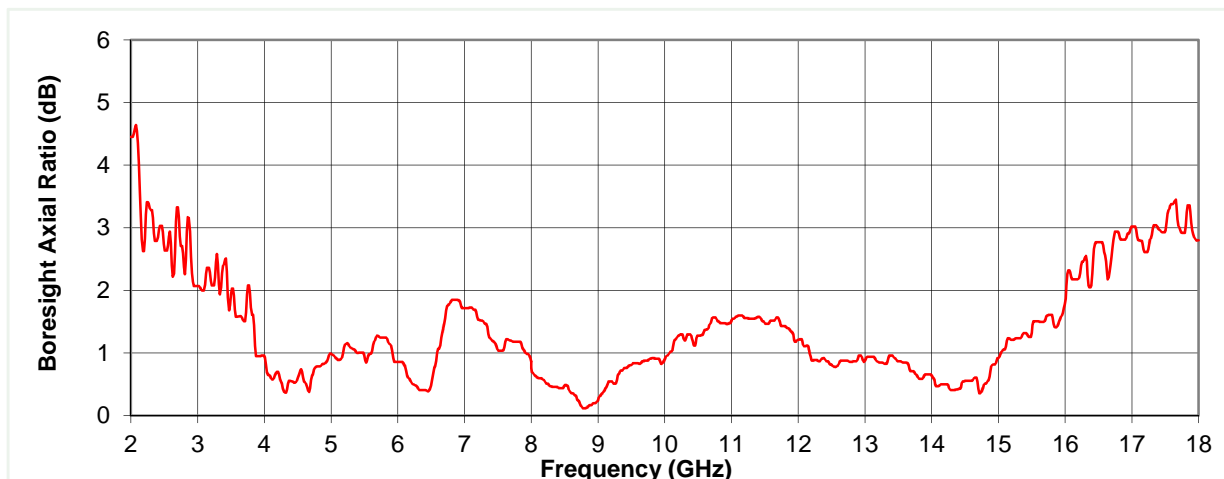
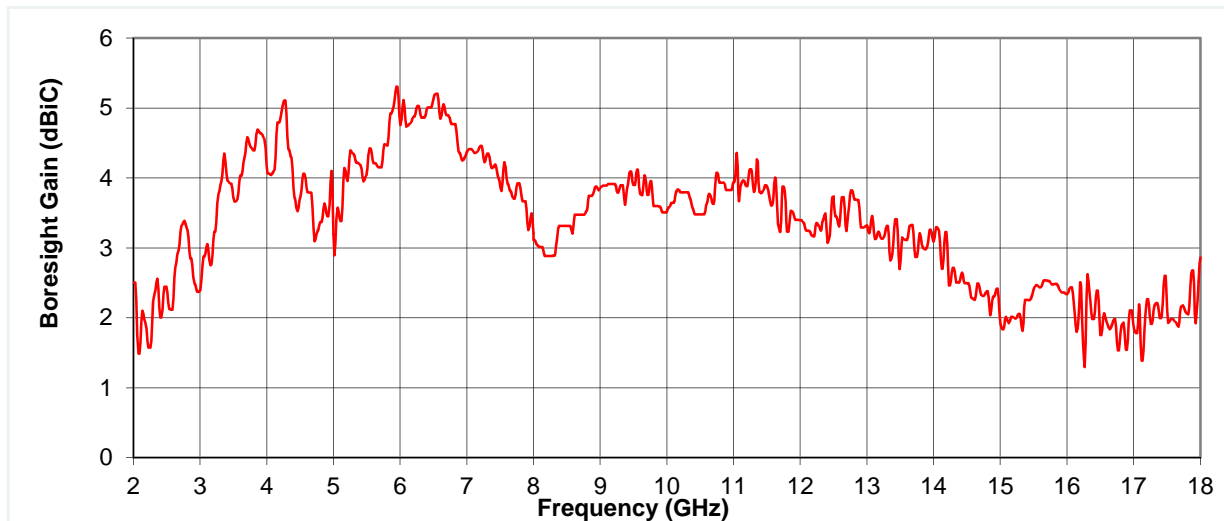


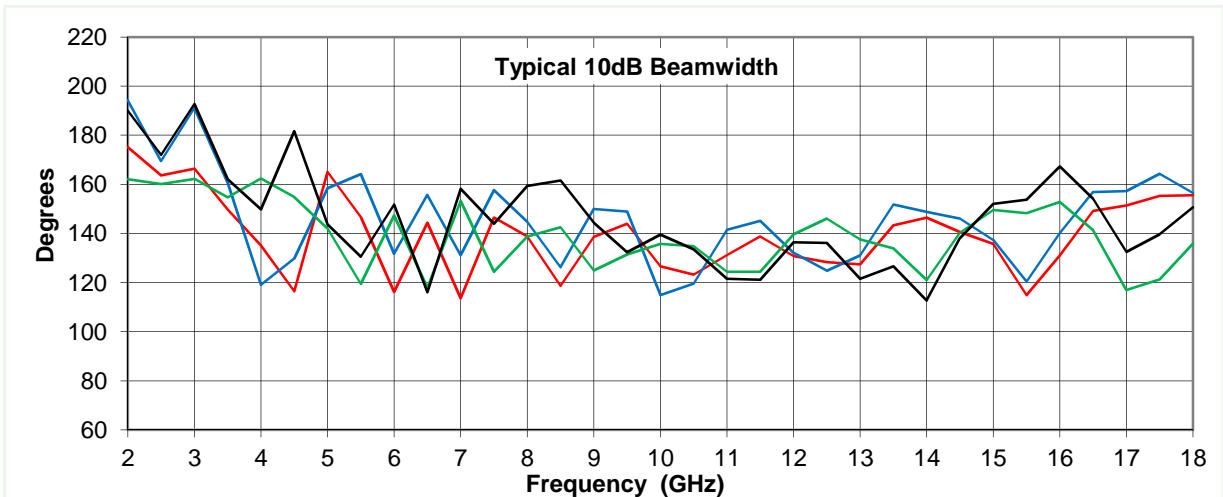
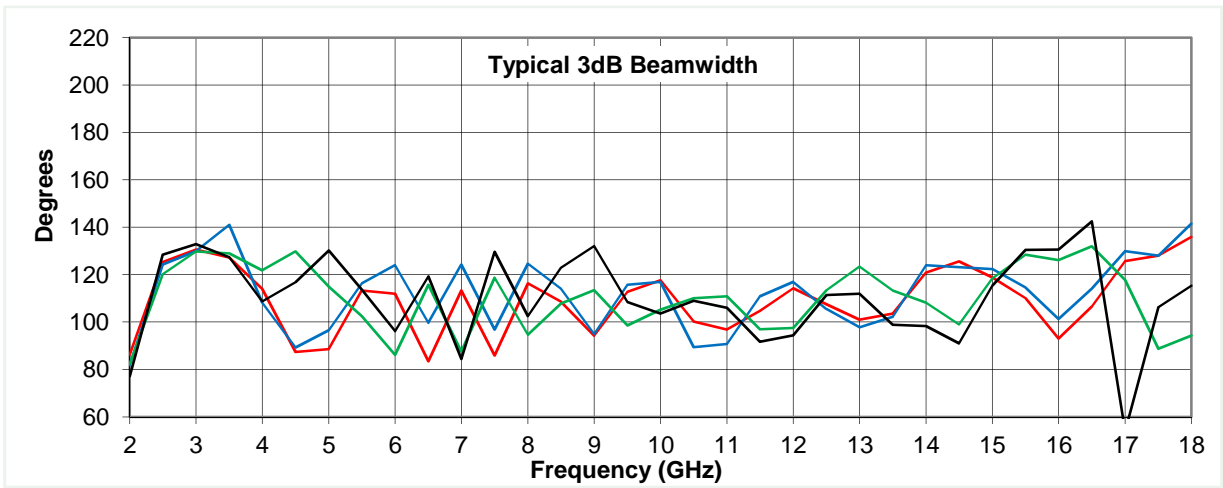
## Typical Specification

<b>Frequency</b>	2 to 18 GHz
<b>Connector type</b>	SMA jack
<b>Power Handling</b>	1 watt c.w.
<b>VSWR</b>	Typically < 2.5:1, 3:1 maximum
<b>Gain</b>	1.3 to 5.3 dBiC
<b>Axial Ratio</b>	< 1.8 dB typical, 5 dB maximum
<b>3dB Beamwidth</b>	54 to 142 degrees
<b>10dB Beamwidth</b>	113 to 194 degrees
<b>Weight</b>	126 g nominal
<b>Maximum size</b>	Diameter 78 mm, 45 mm long
<b>Mounting</b>	3 holes, 38.1 mm Pitch Circle Diameter tapped M3 x 6 mm deep, 120 degree spacing
<b>Construction</b>	Aluminium and engineering plastics

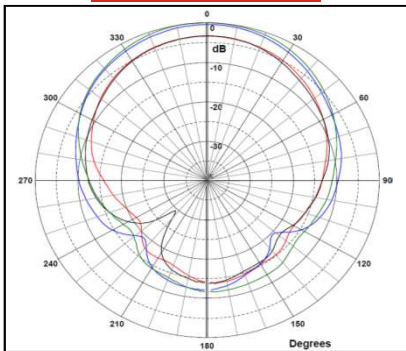
## Typical Antenna Gain / Axial Ratio

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.

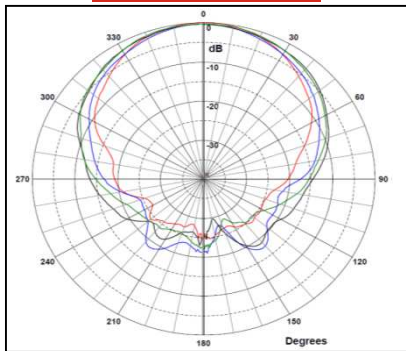




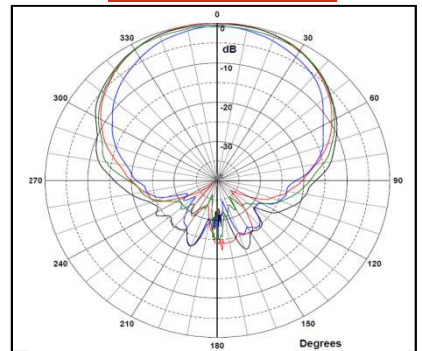
**2 GHz**



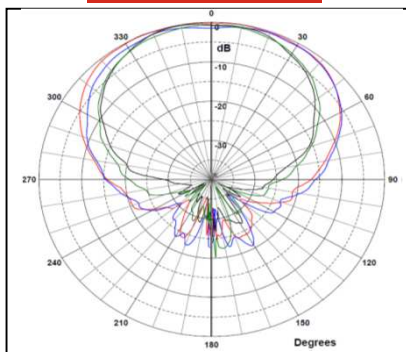
**6 GHz**



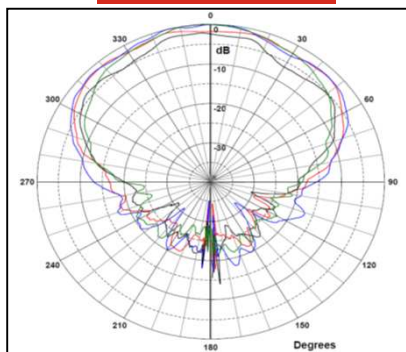
**10 GHz**



**14 GHz**



**18 GHz**



**Key to patterns & beamwidth**

Colour	Source Polarisation	Connector
Red	Vertical	down
Blue	Horizontal	down
Black	Horizontal	to side
Green	Vertical	to side

