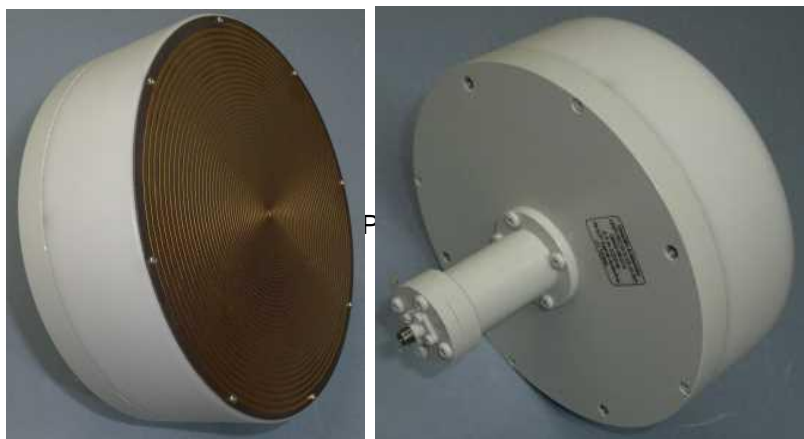


# 0.5 - 6 GHz Right Hand Circularly Polarised Spiral Antenna fitted with an SMA type Connector

Catalogue number **QSP-RC-0.5-6-S-SG**

Steatite reference **QMS-01002**

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

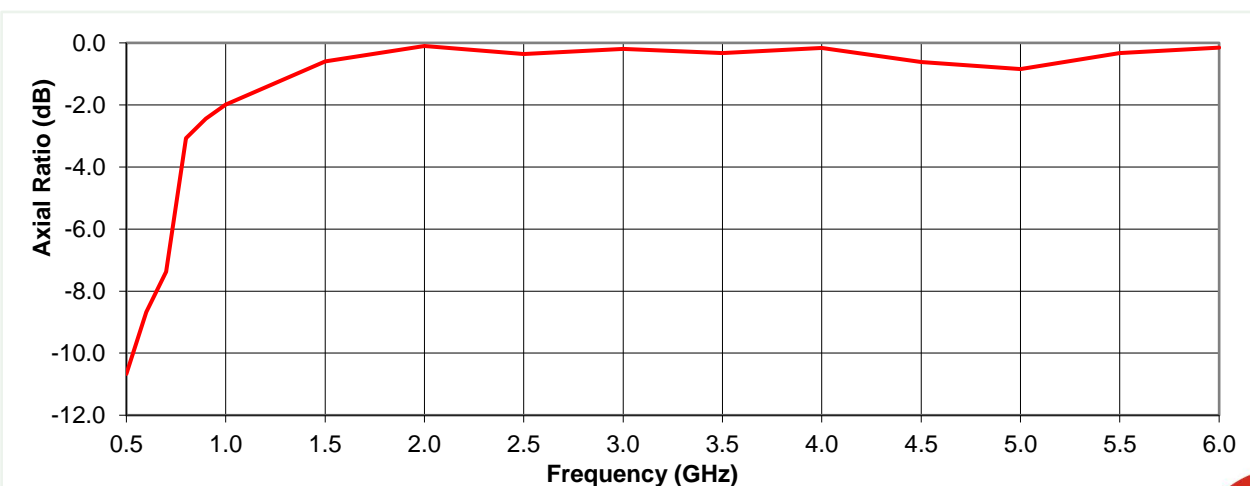
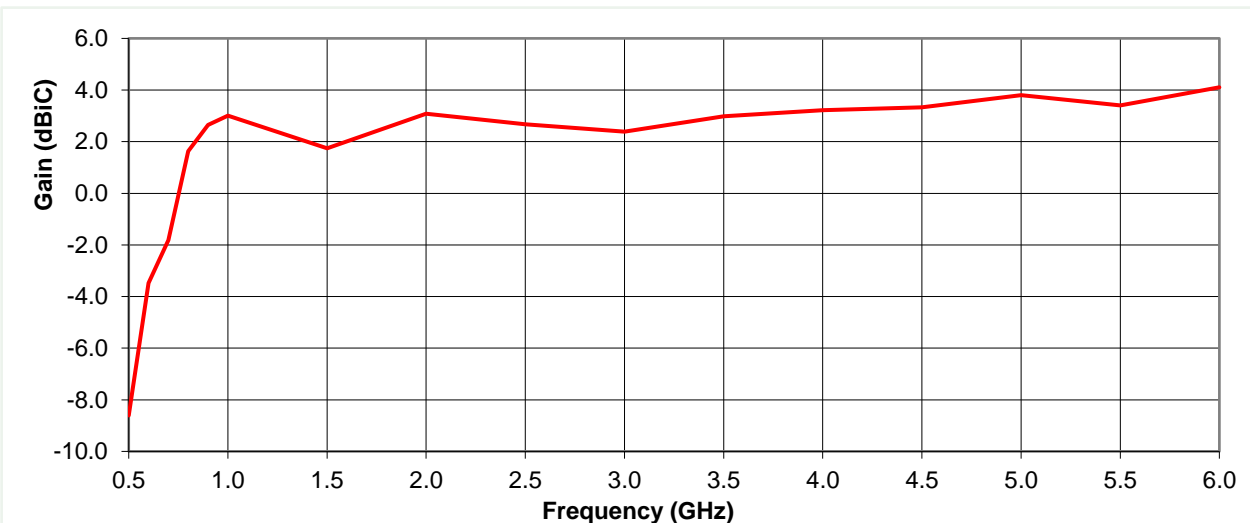


## Typical Specification

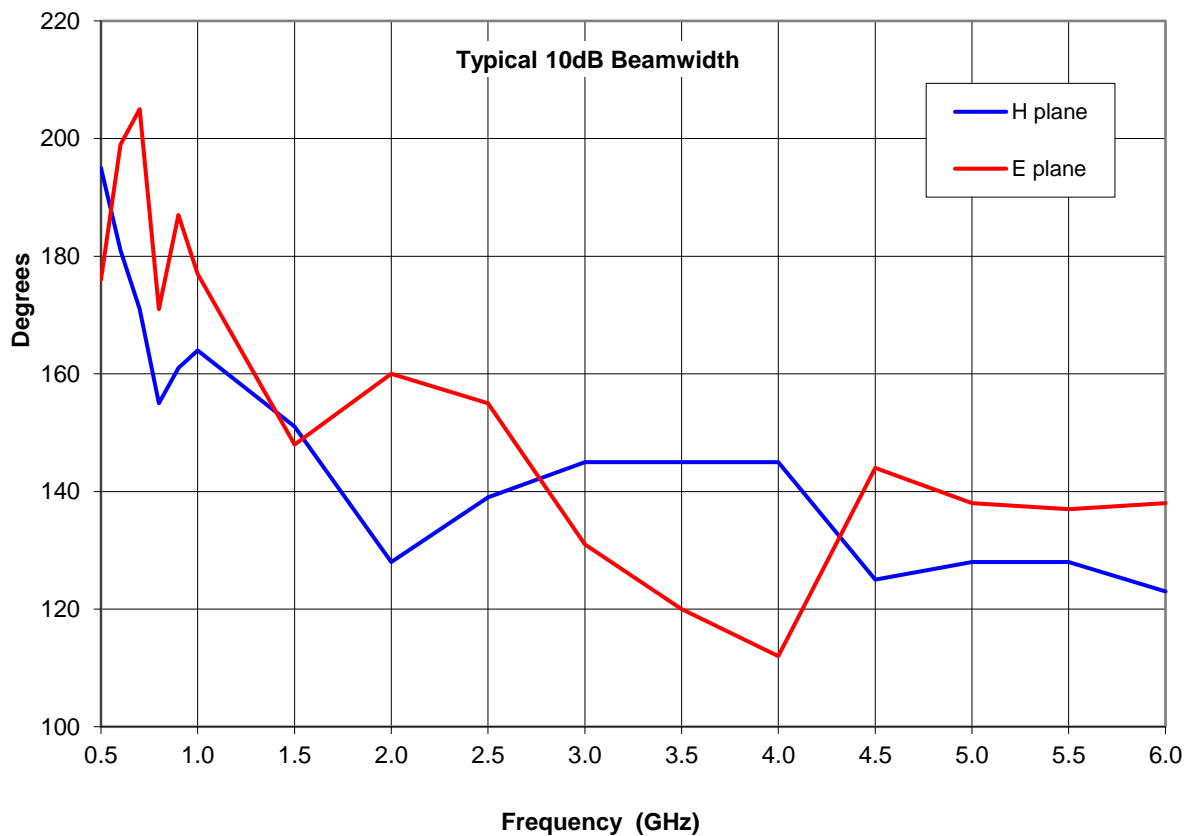
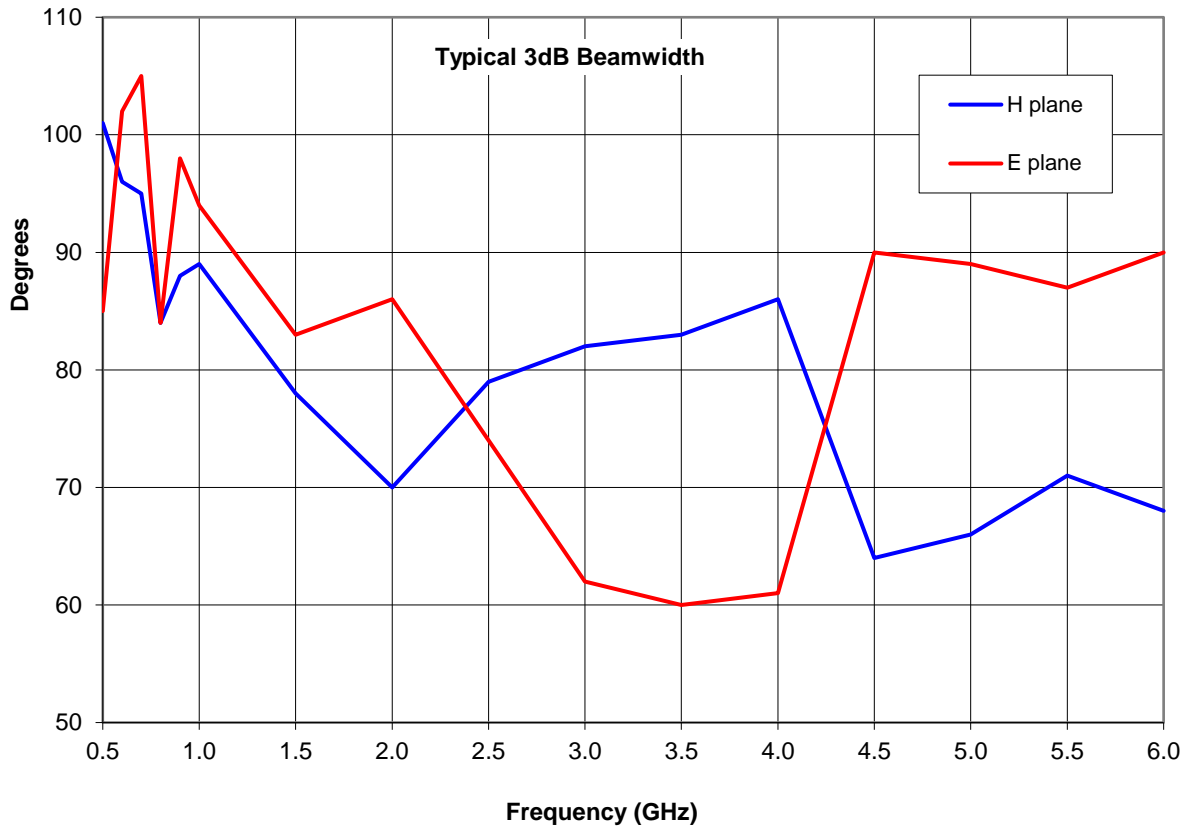
<b>Frequency</b>	0.5 to 6 GHz
<b>Connector Type</b>	SMA type jack
<b>Power Handling</b>	5 Watt c.w.
<b>VSWR</b>	Typically < 1.5:1 above 0.8 GHz
<b>Gain</b>	-8.6 to 4.1 dBi
<b>Axial Ratio</b>	Typically <1 dB (>2 GHz)
<b>3dB Beamwidth</b>	60 to 105 degrees
<b>10dB Beamwidth</b>	112 to 205 degrees
<b>Weight</b>	610 g
<b>Maximum Size</b>	152 mm diameter face x 120 mm long inc. connector
<b>Mounting</b>	4 holes, M5 x 7.5 mm deep, 137 mm pitch circle diameter
<b>Construction</b>	Aluminium and Engineering Plastics. Painted.

## Typical Antenna Gain / Factor

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.

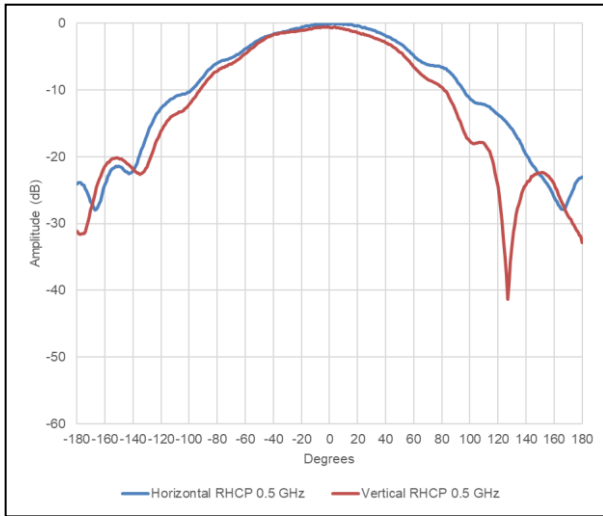


**Typical Beamwidth**

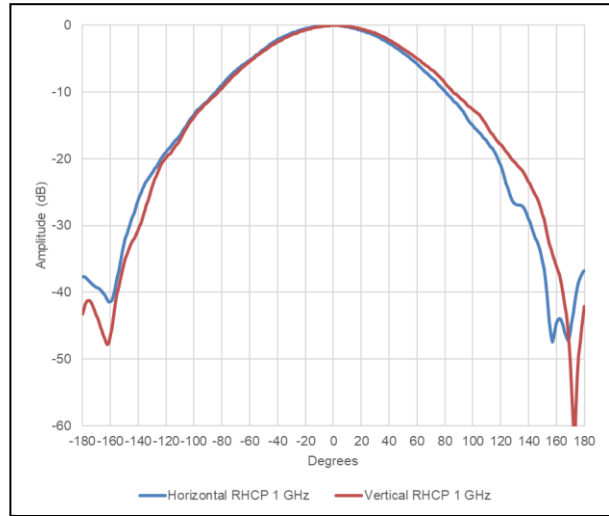


## Typical Radiation Patterns

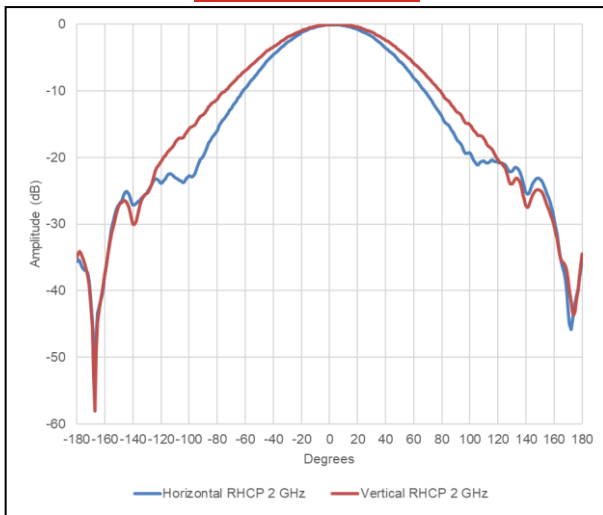
### 0.5 GHz



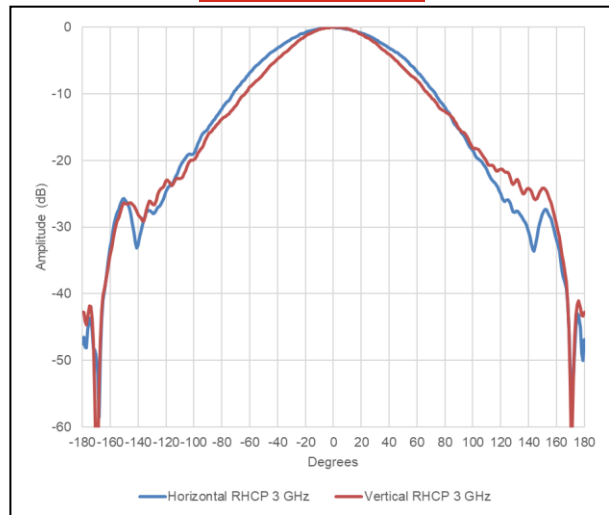
### 1 GHz



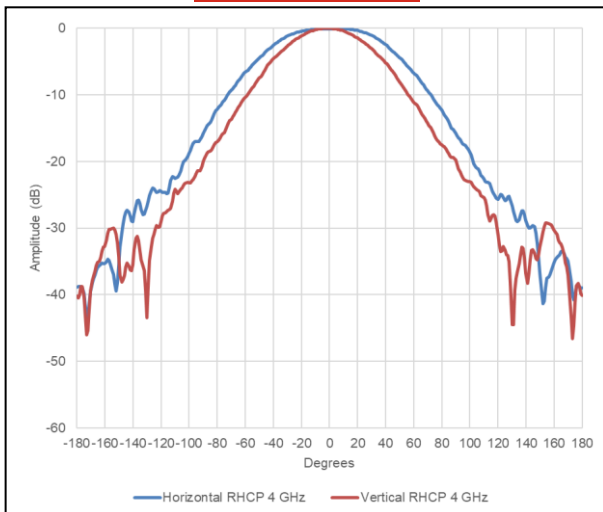
### 2 GHz



### 3 GHz



### 4 GHz



### 6 GHz

