

## 2 - 40GHz Right Hand Circularly Polarised Spiral Antenna fitted with an K type Connector

Catalogue number **QSP-RC-2-40-K-SG**

Steatite reference **QMS-00935**

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

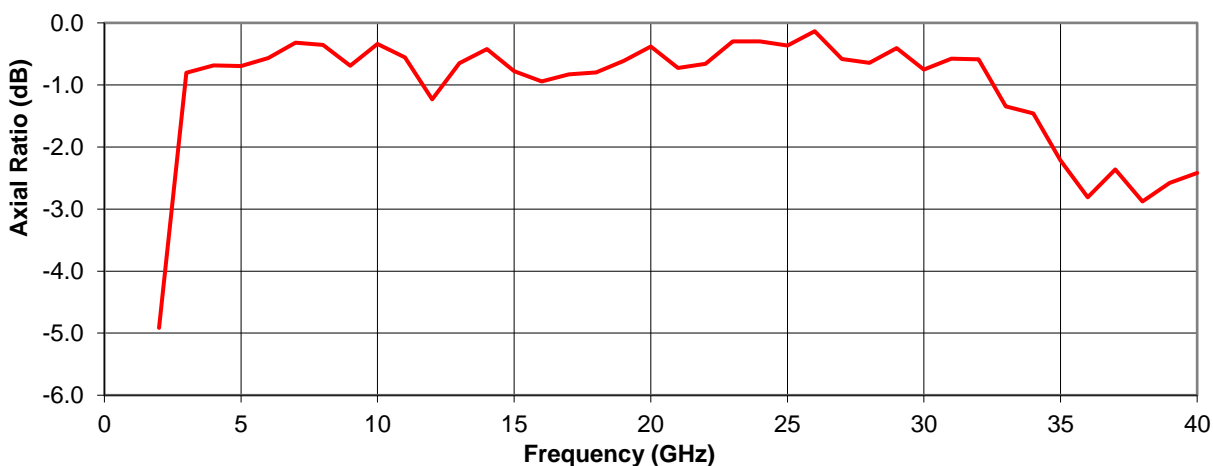
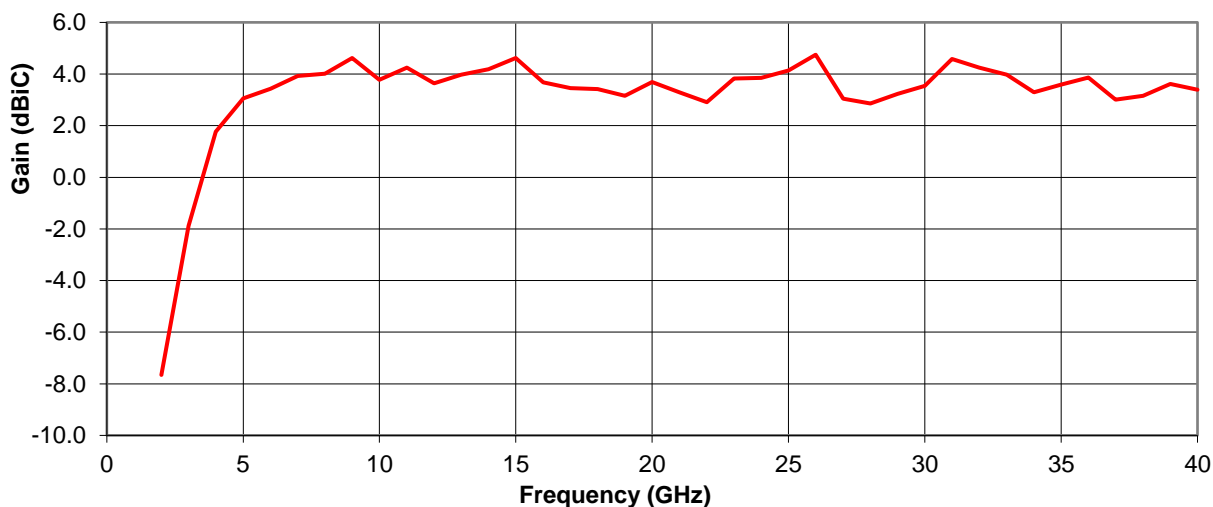


## Typical Specification

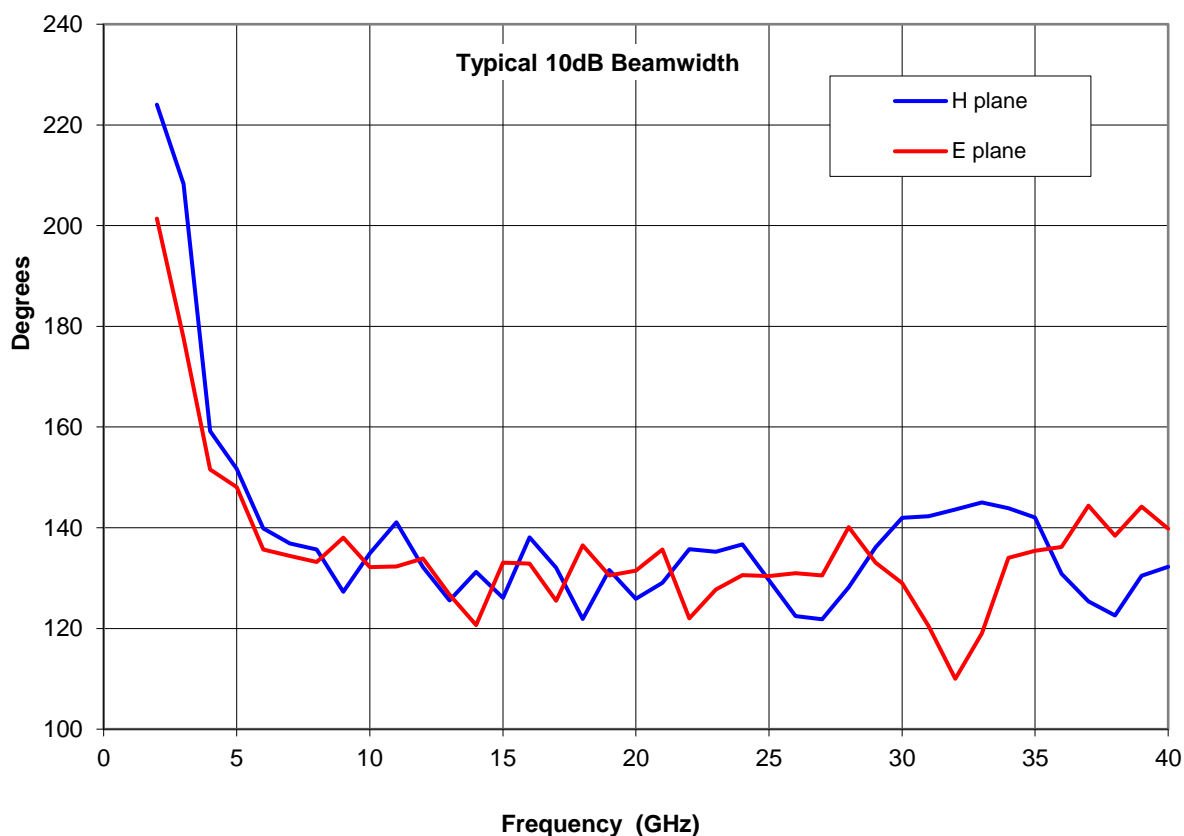
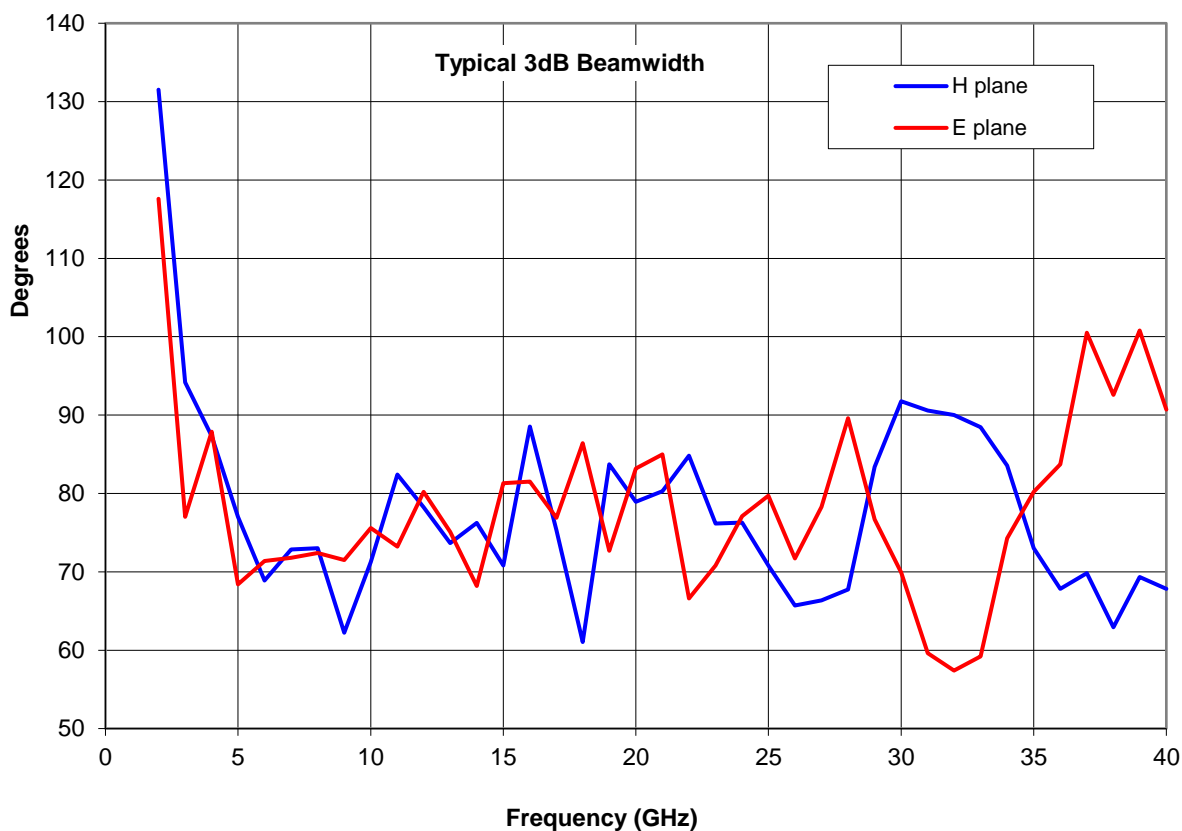
<b>Frequency</b>	2 to 40 GHz
<b>Connector Type</b>	K-Type Female
<b>Power Handling</b>	2W CW
<b>VSWR</b>	< 2.0 :1 (Typically)
<b>Gain</b>	-7.7 to 4.7 dBi
<b>Antenna Factor</b>	40.5 to 58.9 dB/m
<b>3dB Beamwidth</b>	57 to 132 degrees
<b>10dB Beamwidth</b>	110 to 224 degrees
<b>Weight</b>	140g nominal
<b>Maximum Size</b>	51mm Diameter, 44.3mm Length.
<b>Mounting</b>	3 threaded M3 holes (rear mounted) on a Ø38.1 PCD
<b>Construction</b>	Aluminium housing and PTFE front face.

## 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.

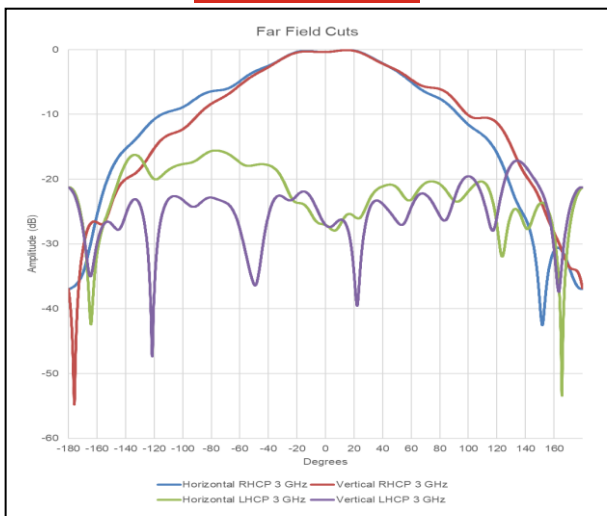


## Typical Beamwidth

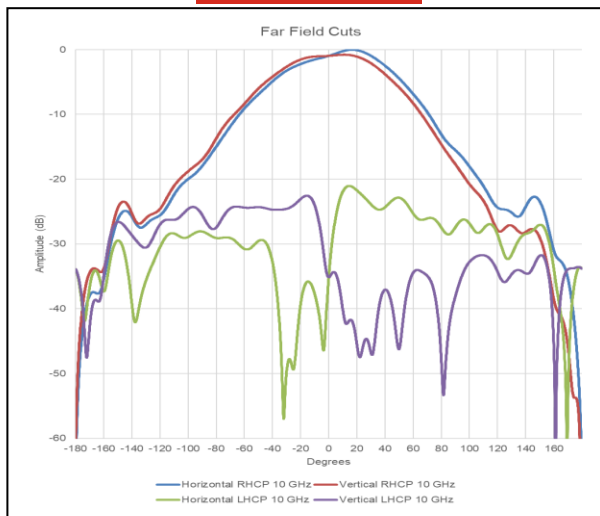


## Typical Radiation Patterns

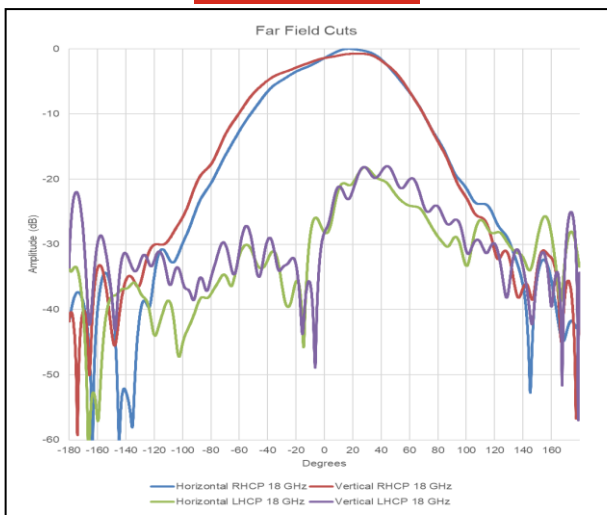
3 GHz



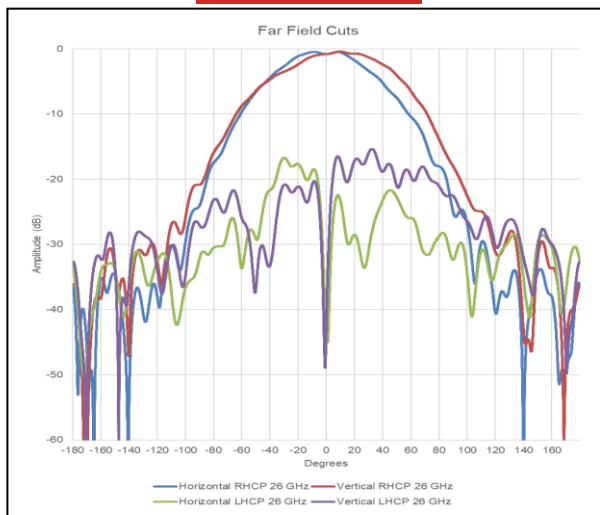
10 GHz



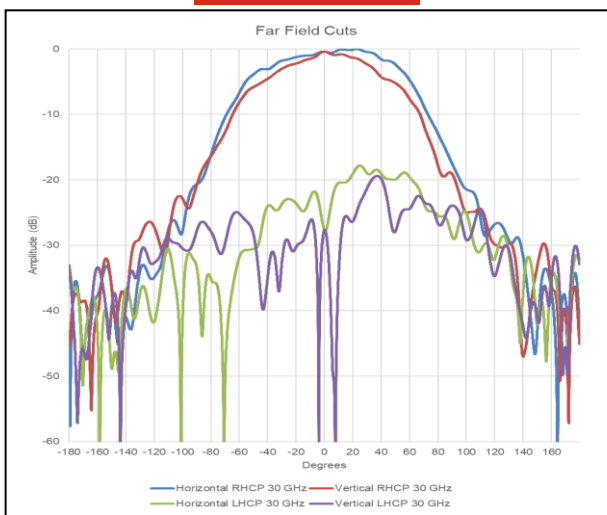
18 GHz



26 GHz



30 GHz



40 GHz

