

6 - 10 GHz Right Hand Circularly Polarised Spiral Antenna fitted with an SMA type Connector

Catalogue number **QSP-RC-6-10-S**

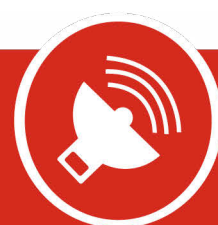
Steatite reference **QMS-00973**

Contents **Summary**
Simulated Gain
Simulated Beamwidth / Patterns
Simulated VSWR
Draft Interface Control Drawing



QQD06-2 V7.3

PDM 05/03/2019 5097

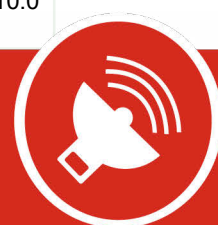
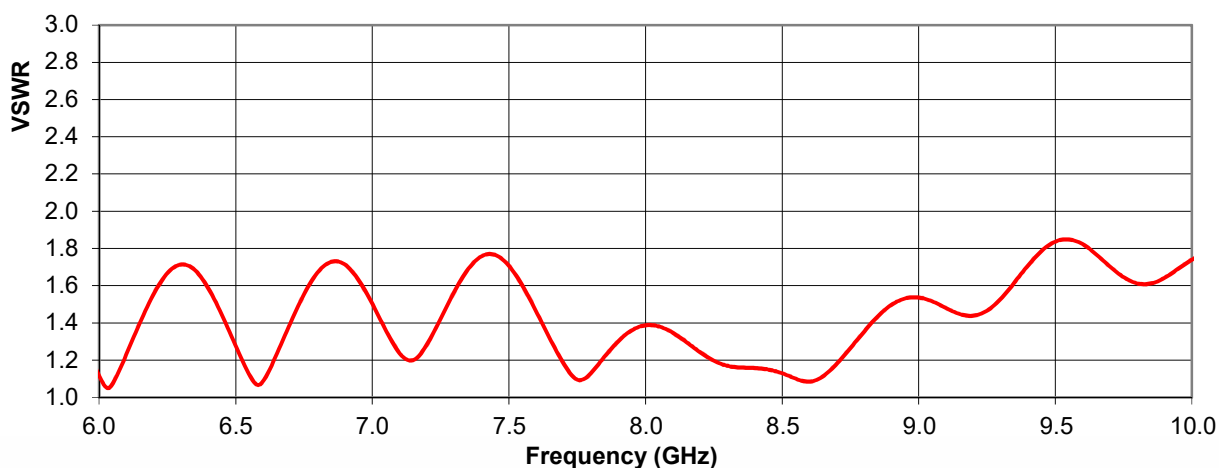
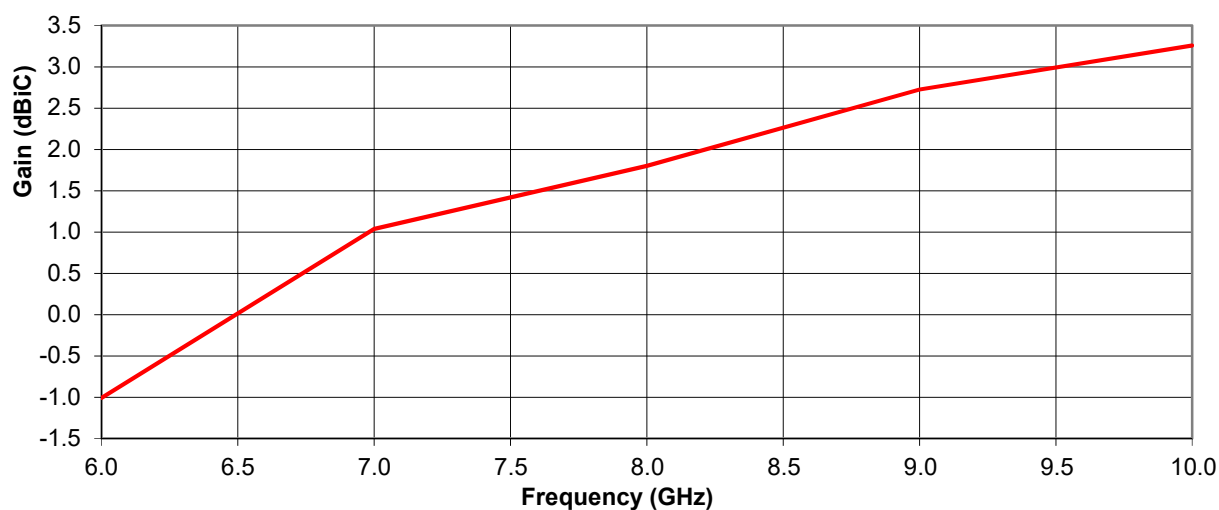


Typical Specification

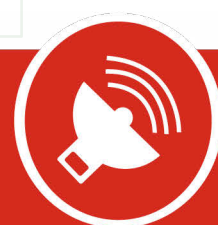
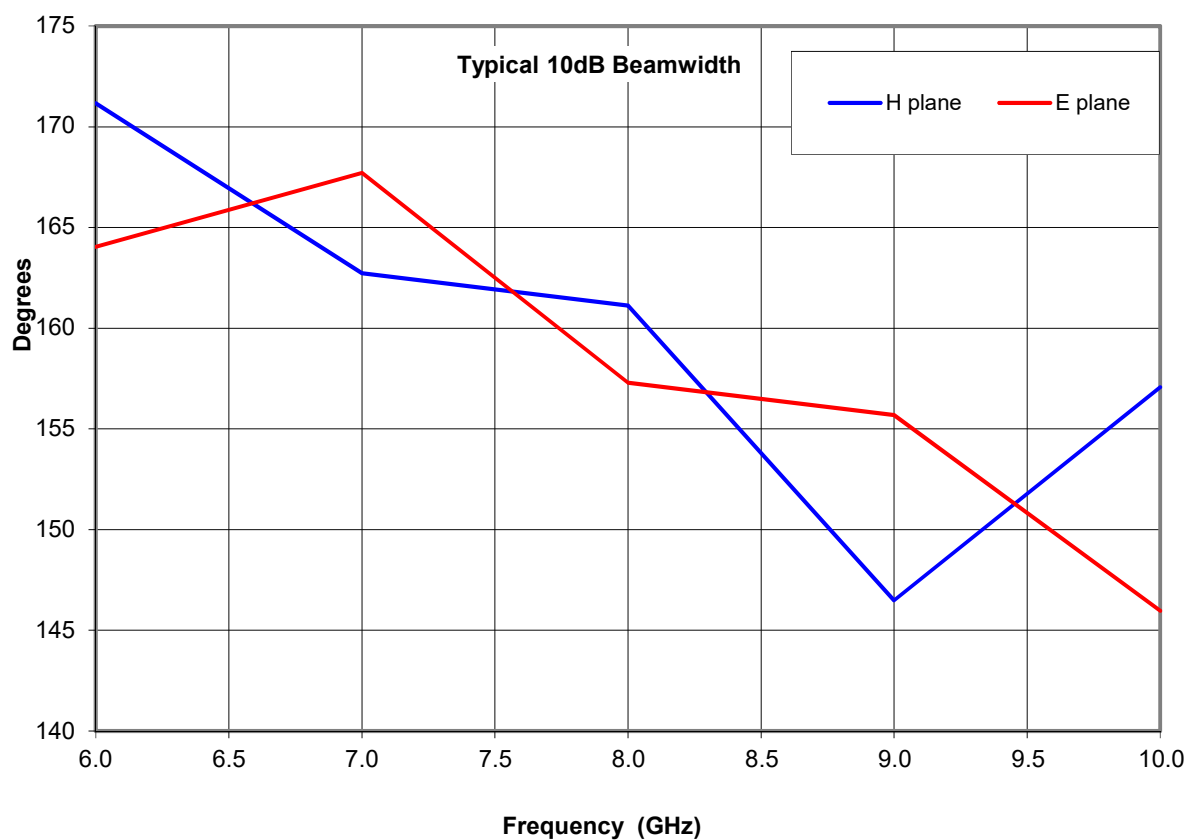
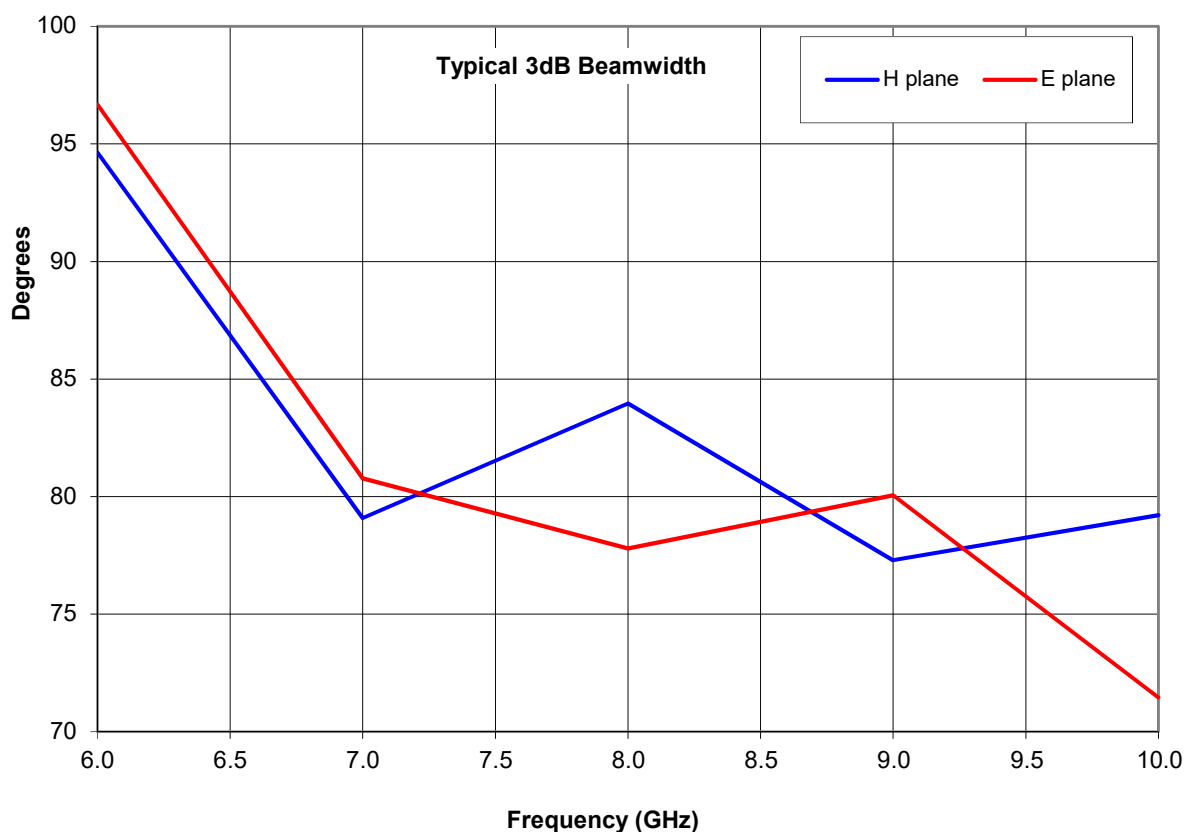
Frequency	6 to 10 GHz
Connector Type	SMA Female
Power Handling	2W CW
VSWR	Typically <2:1
Gain	-1 to 3.3 dBi
Antenna Factor	46.1 to 47 dB/m
3dB Beamwidth	71 to 97 degrees
10dB Beamwidth	146 to 171 degrees
Weight	35g nominal
Maximum Size	25mm Diameter by 40.5mm Length (excluding connector)
Mounting	4 x M3 mounting threads on a 20mm PCD (rear mount)
Construction	Aluminium housing and PTFE front face.

Simulated Antenna Gain / VSWR

This is simulated using CST Microwaves Studio 2019 with results cross checked against known measurements.

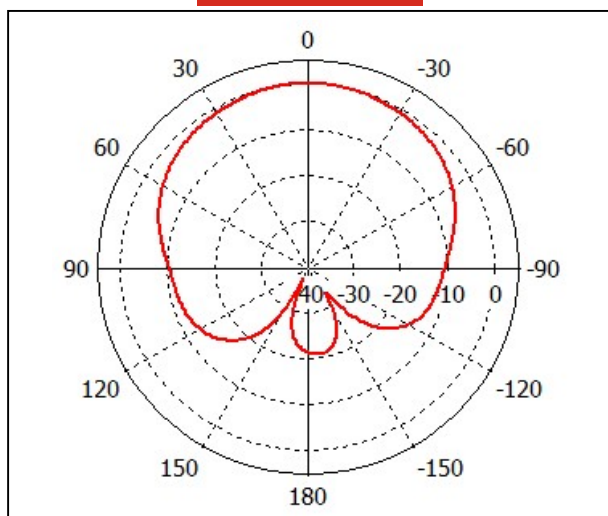


Simulated Beamwidth

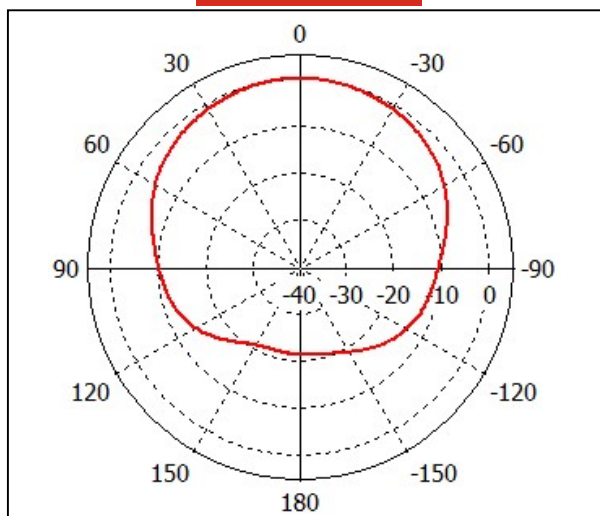


Simulated Radiation Patterns

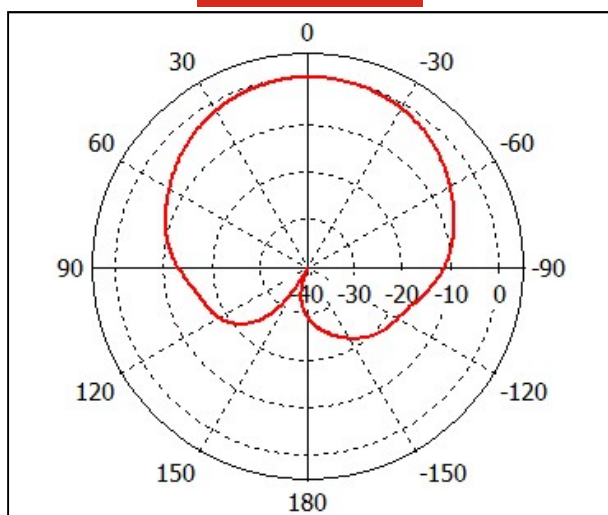
6 GHz PHI 0



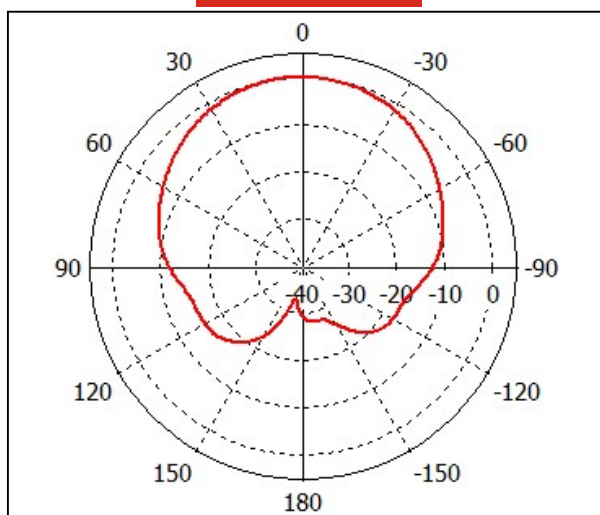
6 GHz PHI 90



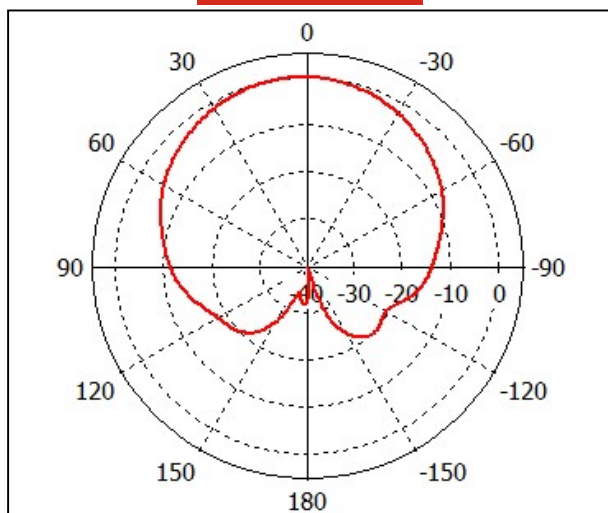
8 GHz PHI 0



8 GHz PHI 90



10 GHz PHI 0



10 GHz PHI 90

