



Dual Linearly Polarised Sinuous Antenna

0.7 to 4 GHz

Catalogue number: **QSI-DL-0.7-4-S-SG**

Steatite Ref: **QMS-00040**

Contents: **Summary**
Typical Antenna Gain
Typical Beamwidth / Patterns
VSWR
Isolation between ports



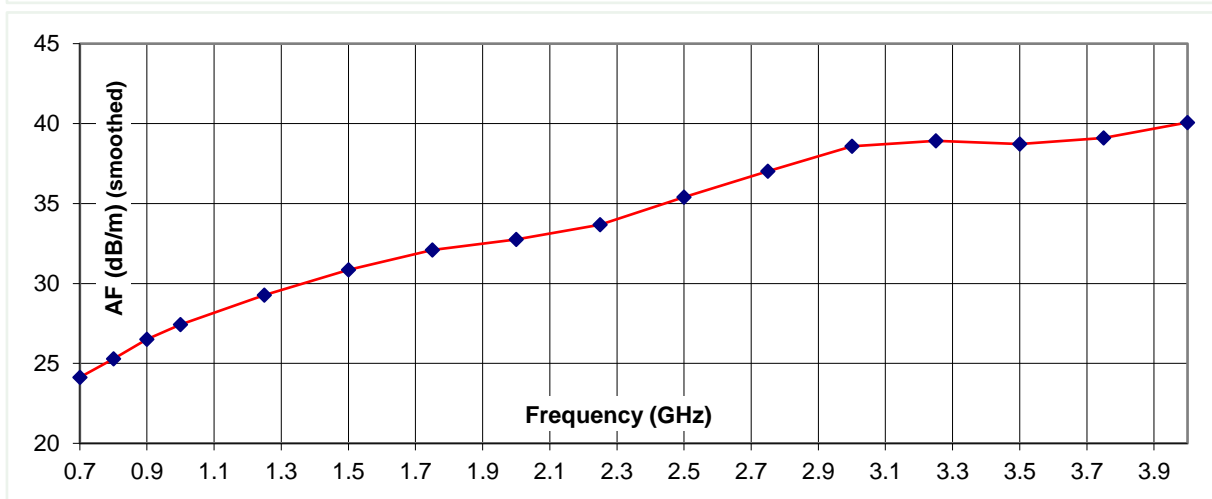
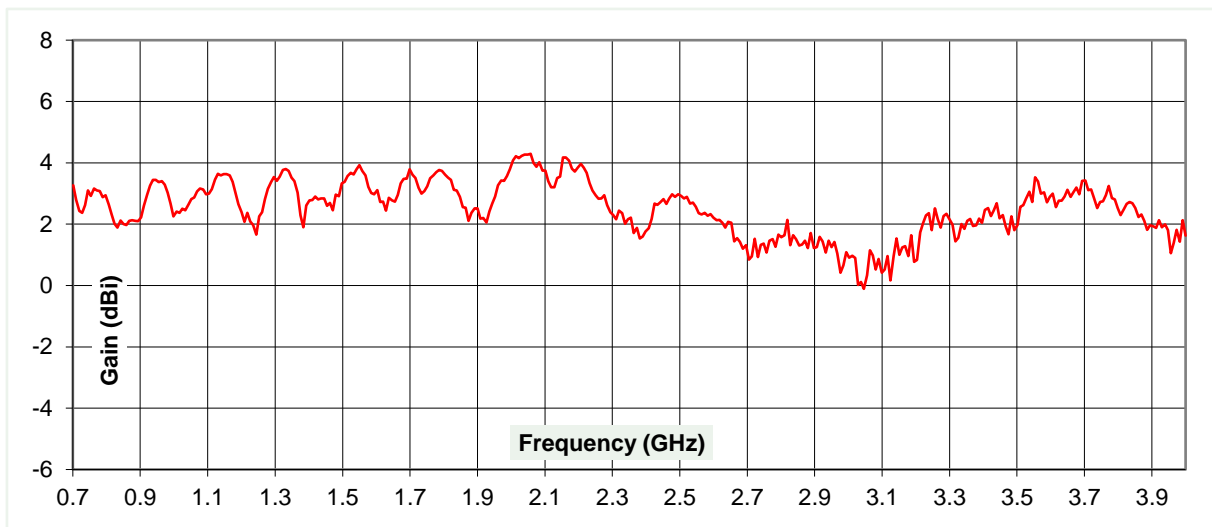
PDM 24-07-2017

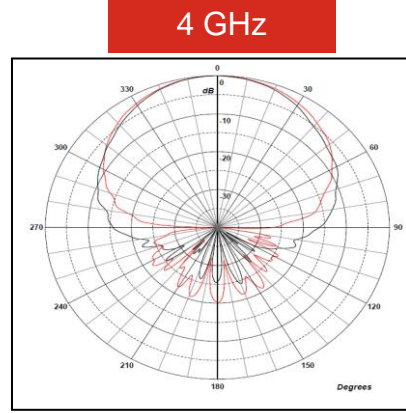
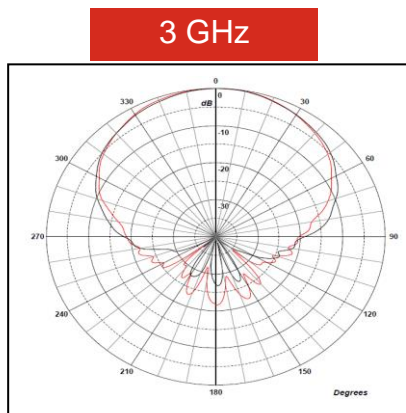
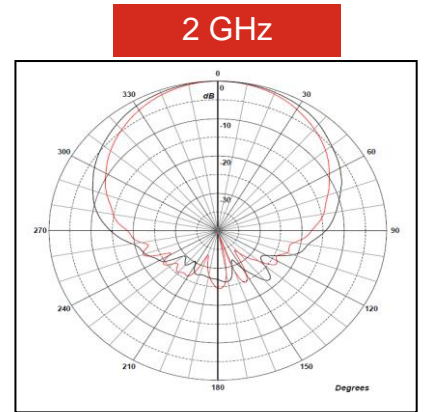
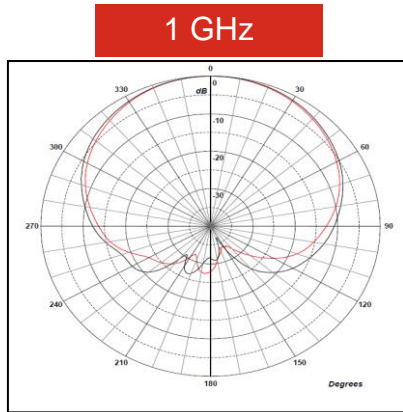
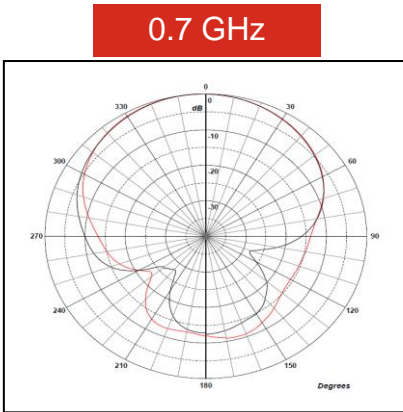
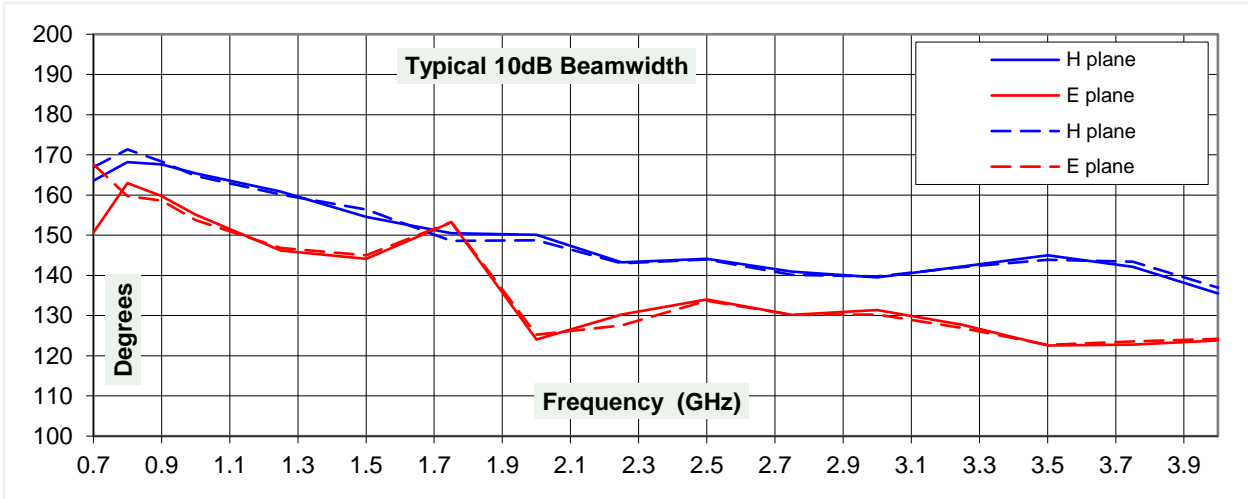
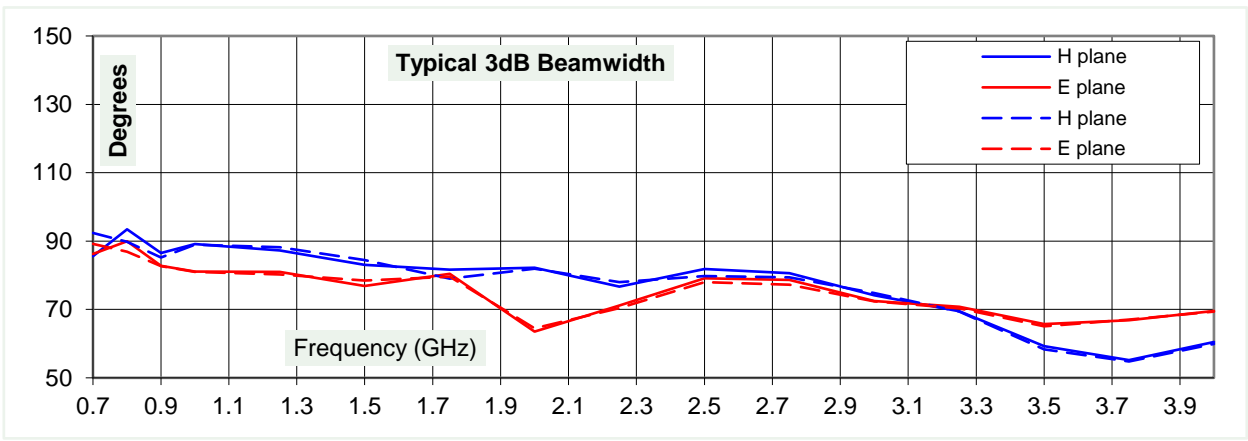
Typical Specification

Frequency	0.7 to 4 GHz
Connector type	2 x SMA type jack
Power Handling	10 Watt c.w.
VSWR	typically < 2.6:1
Isolation	> 34 dB between connectors
Gain	0 to 4.1 dBi
3dB Beamwidth	55 to 94 degrees
10dB Beamwidth	123 to 171 degrees
Weight	0.95 kg
Size- max.	152 mm aperture x 109 mm long
Mounting	6 holes, tapped M5 x 7 mm deep, 137 mm p.c.d.
Construction	Aluminium and Engineering Plastics

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.





* patterns measured with no ground plane, Red trace = E-plane, Black trace = H-plane cut

