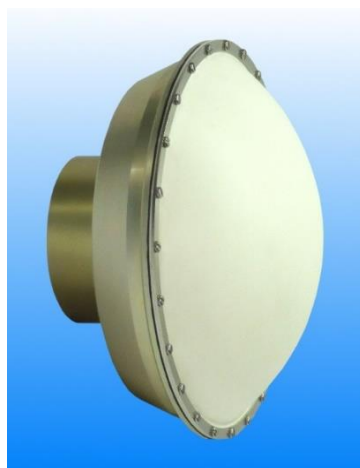


0.5 - 3 GHz Dual Linearly Polarised Sinuous Antenna fitted with SMA type Connectors and Radome

Catalogue number **QSI-DL-0.5-3-S-SG-R-CS**

Steatite reference **QMS-00930**

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



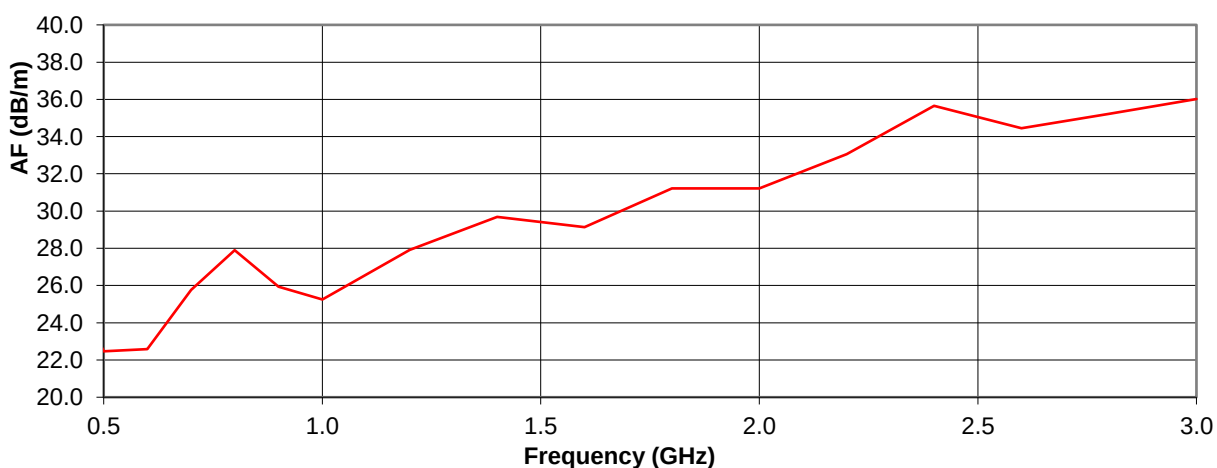
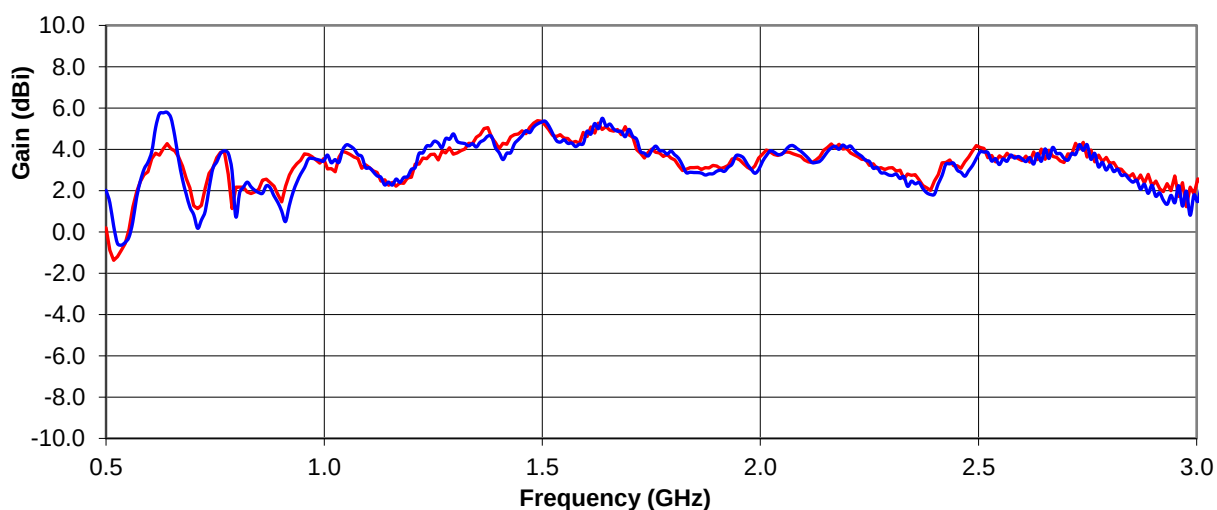
Note: Grey radome.

Typical Specification

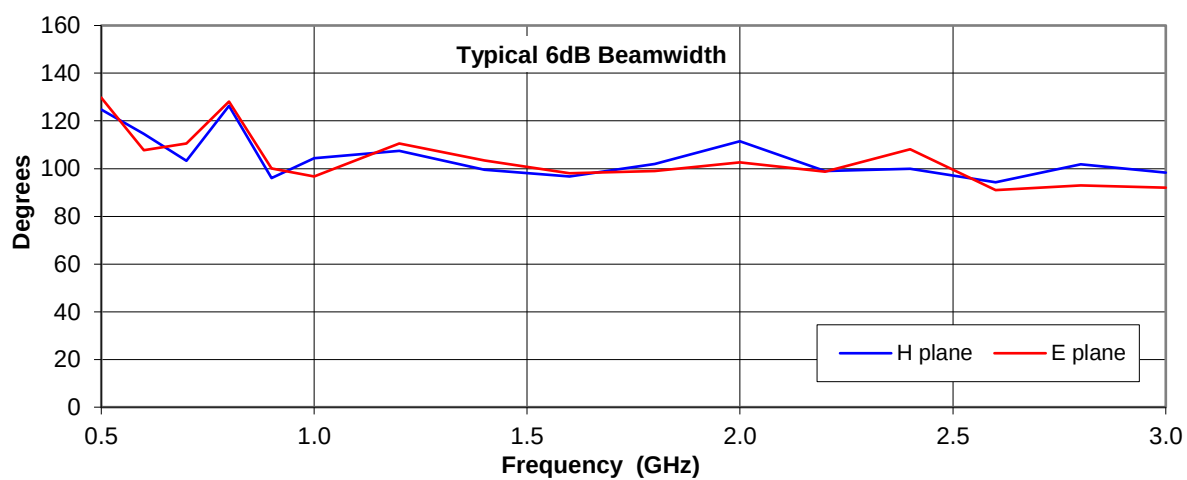
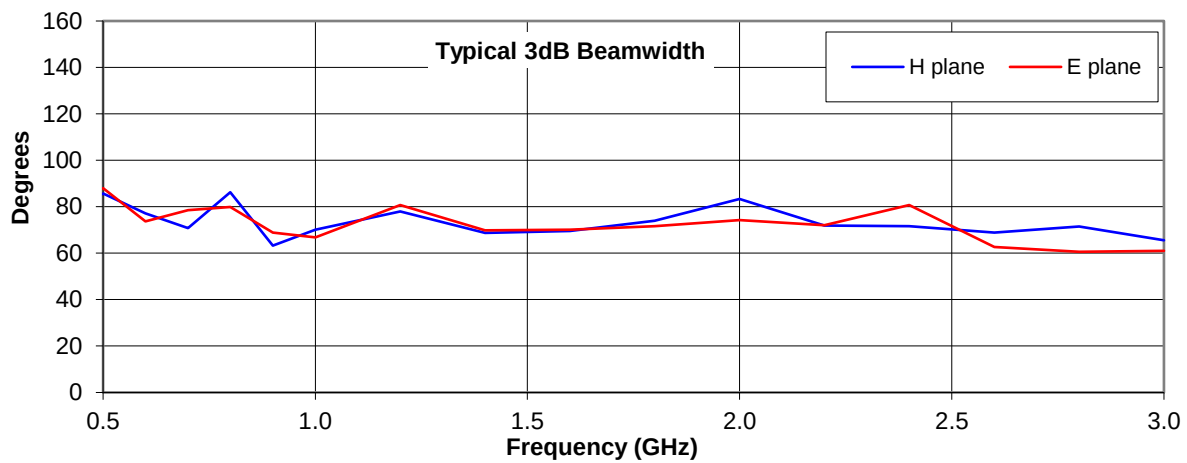
Frequency	0.5 to 3 GHz
Connector Type	2 x SMA (f)
Power Handling	2W CW max.
VSWR	Typically < 4.2 :1
Gain	-4.9 to 5.2 dBi
Antenna Factor	22.5 to 36 dB/m
3dB Beamwidth	61 to 88 degrees
6dB Beamwidth	91 to 134 degrees
Weight	2.1kg nominal
Maximum Size	290 mm diameter x 185 mm long (inc. connectors)
Mounting	12 x M4 tapped holes on a 117.5 mm PCD
Construction	Aluminium body with plastic radome. Passivated surface, unpainted.

Typical Antenna Gain / Factor

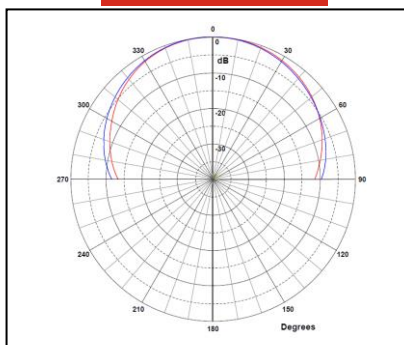
This is calculated by reference to standard gain horn antennas, and cross checked with reference to the antenna beamwidth, with an estimated error of +/- 0.8dB.



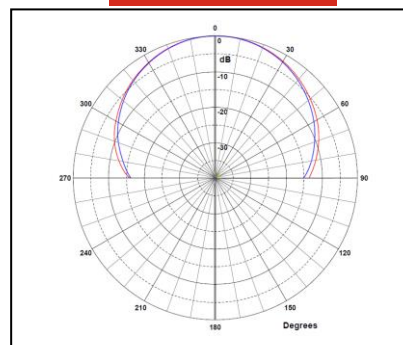
Typical Beamwidth / Radiation Patterns



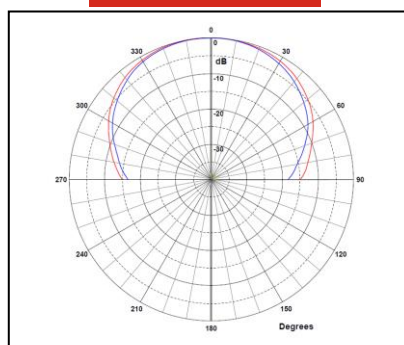
0.5 GHz



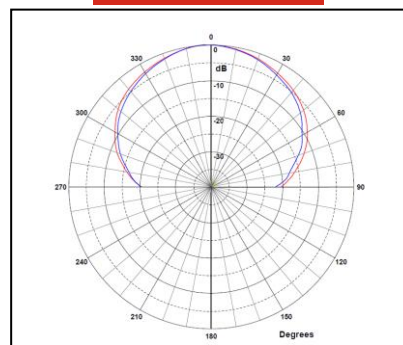
1.0 GHz



2.0 GHz



3.0 GHz



Red trace Connector 1, Blue trace = Connector 2