

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**

Steatite reference **QMS-00360**

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

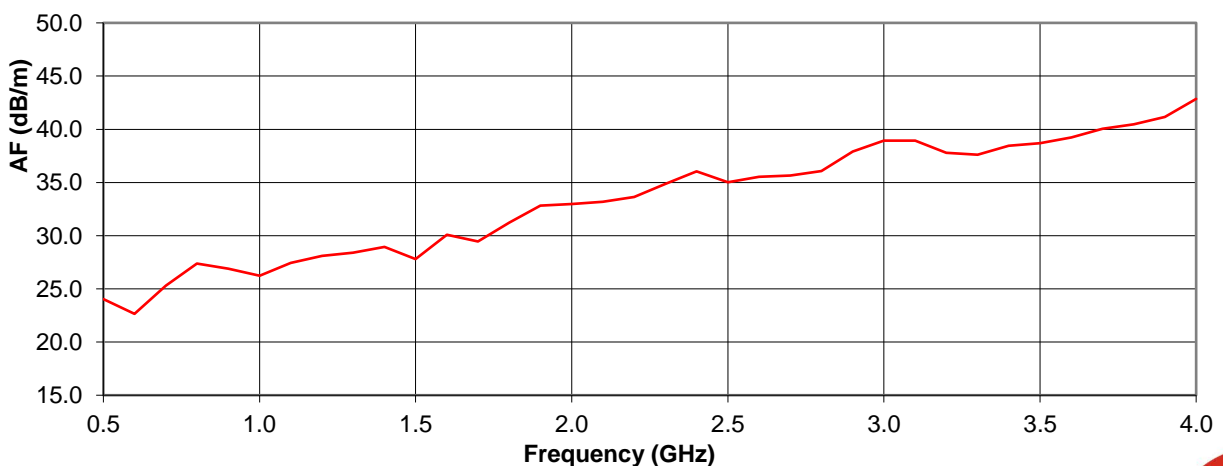
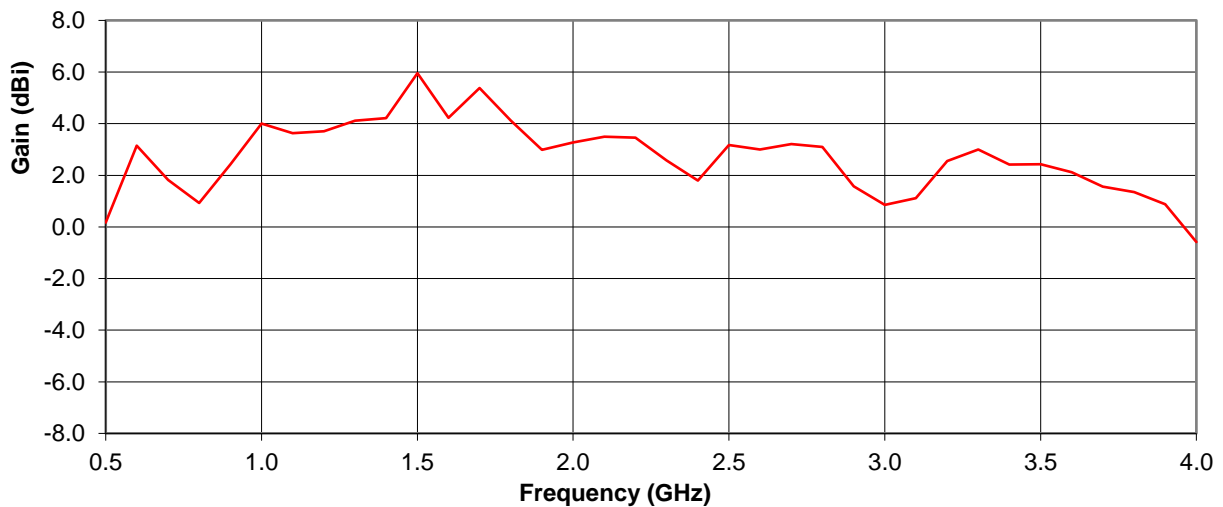


Typical Specification

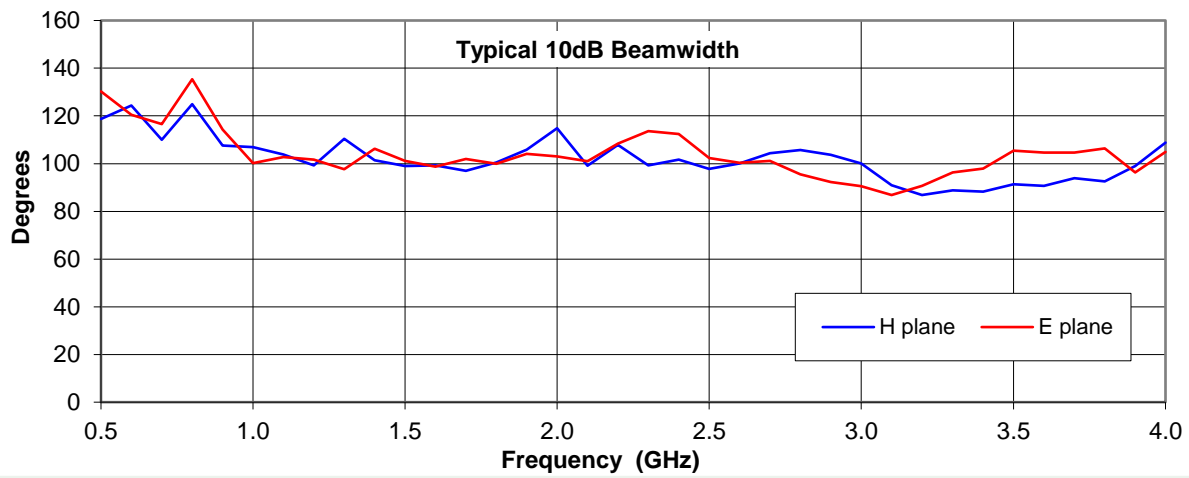
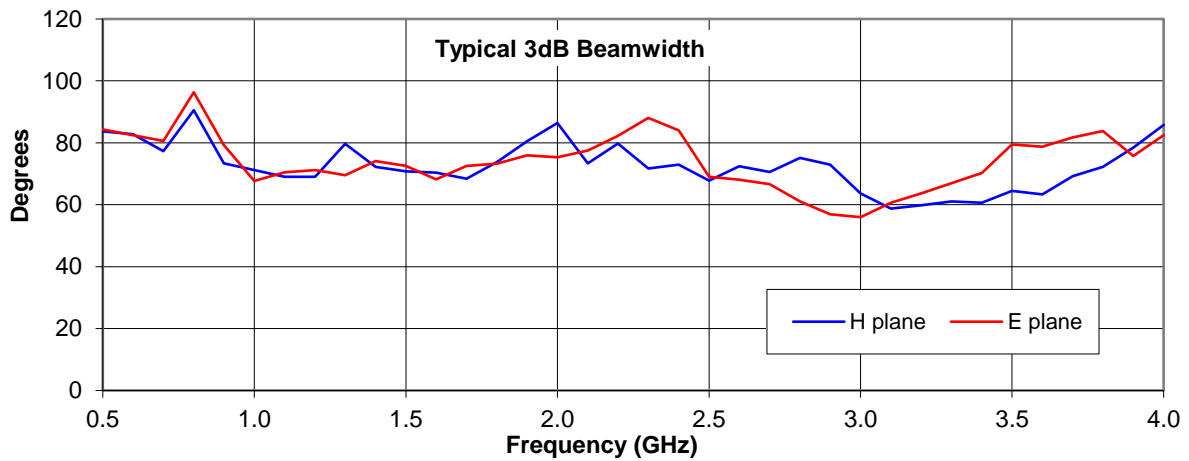
Frequency	0.5 to 4 GHz
Connector Type	2 x SMA type jack
Power Handling	2 Watt c.w.
VSWR	4.4:1 maximum; 2:1 typical.
Gain	-0.6 to 6 dBi
Antenna Factor	22.6 to 42.9 dB/m
3dB Beamwidth	56 to 96 degrees
6dB Beamwidth	87 to 135 degrees
Weight	2.1 kg nominal
Maximum Size	290 mm diameter x 185 mm long (inc. connectors)
Mounting	12 x M4 tapped holes, 117.5 mm p.c.d.
Construction	Aluminium and engineering plastics. Painted.

Typical Antenna Gain / Factor

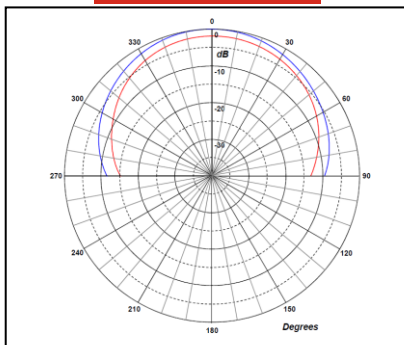
This is calculated by reference to standard gain horn antennas, and cross checked with reference to the antenna beamwidth, with an estimated error of +/- 0.8dB.



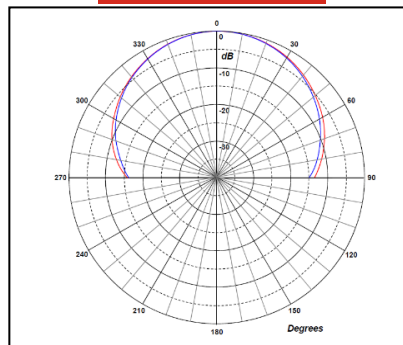
Typical Beamwidth / Radiation Patterns



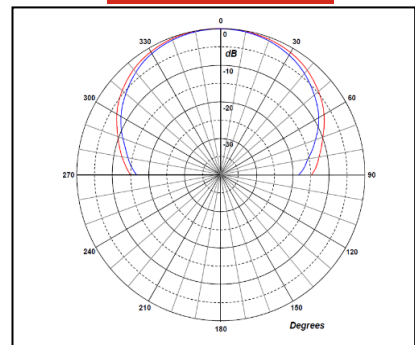
0.5 GHz



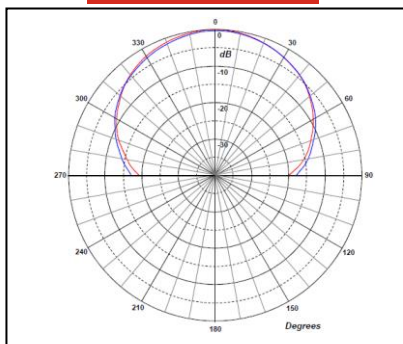
1.0 GHz



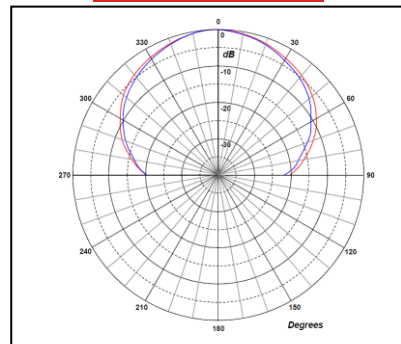
2.0 GHz



3.0 GHz



4.0 GHz



Red trace = Port 1, Blue trace = Port 2 Using Slant polarised linear source antenna

