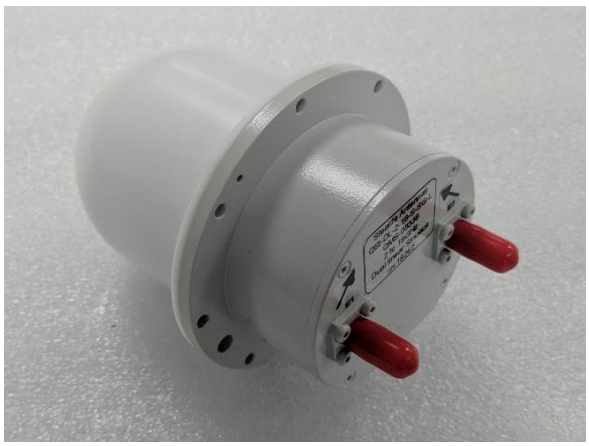
2 - 18 GHz Dual Linearly Polarised Sinuous Antenna fitted with an SMA type Connector and Lensed Radome

Catalogue number **QSI-DL-2-18-S-SG-L**

Q-par reference **QMS-00338**

Contents



Typical photograph. Finish according to customer specifications.

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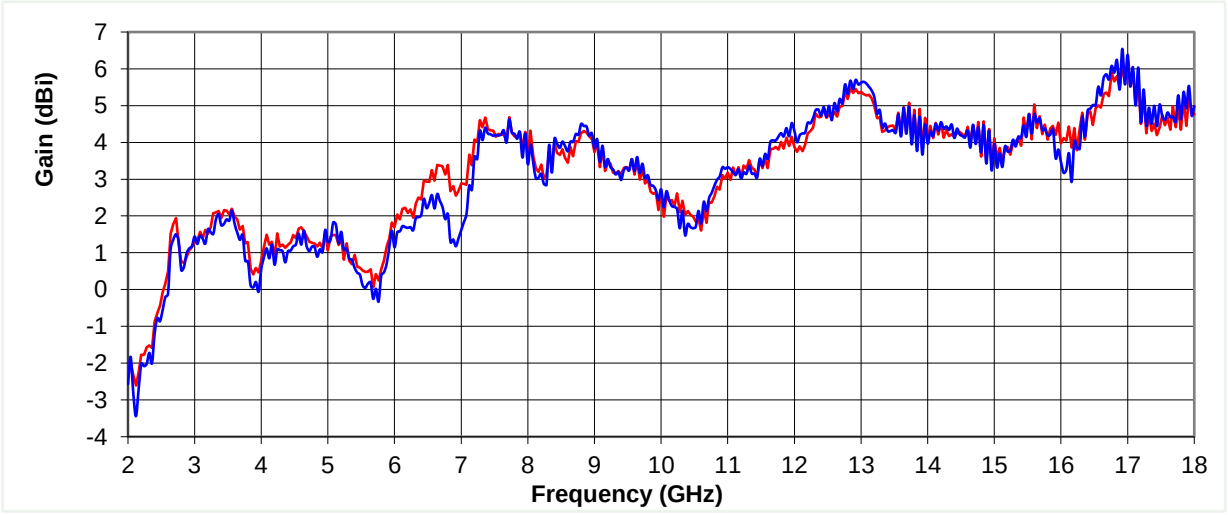
Fax: **+44 (0)1568 612138**
Email: **sales.antennas@steatite.co.uk**

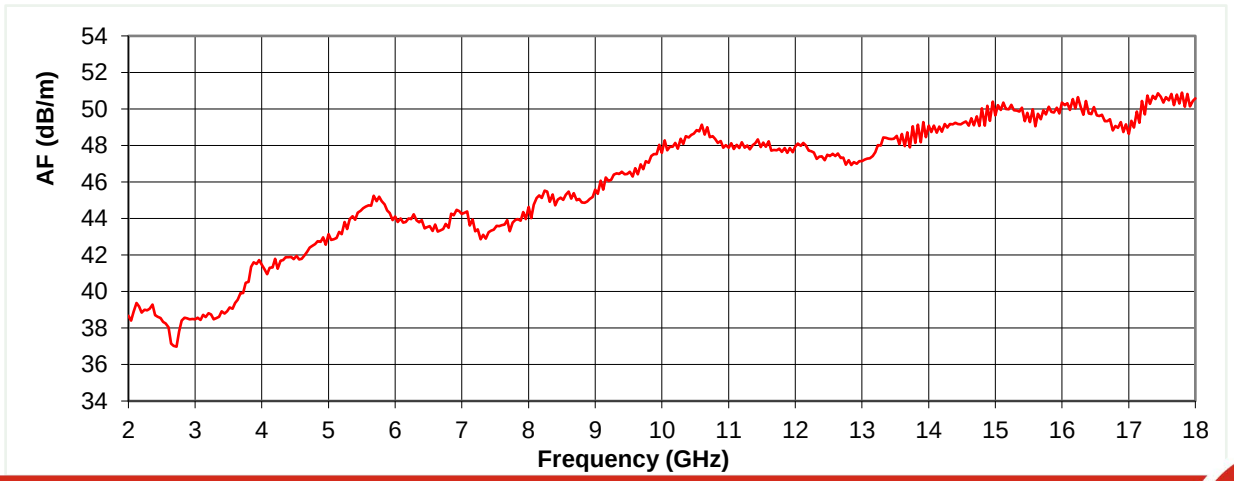
Typical Specification

Frequency	2 to 18 GHz
Connector Type	2 x SMA type jack
Power Handling	1 Watt c.w.
VSWR	Typically < 2.4:1
Gain	-2.5 to 6 dBiL
Isolation	> 30 dB (between connectors)
3dB Beamwidth	42.4 to 111 degrees
Polarisation Wander	Typically within +/- 10 degrees
Antenna Factor	37 to 51 (dB/m)
Maximum Size	81 mm diameter flange x 109 mm long
Weight	Aluminium and Engineering Plastics
Mounting	6 holes, diameter 3.4 mm on 75 mm pitch circle diameter
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.





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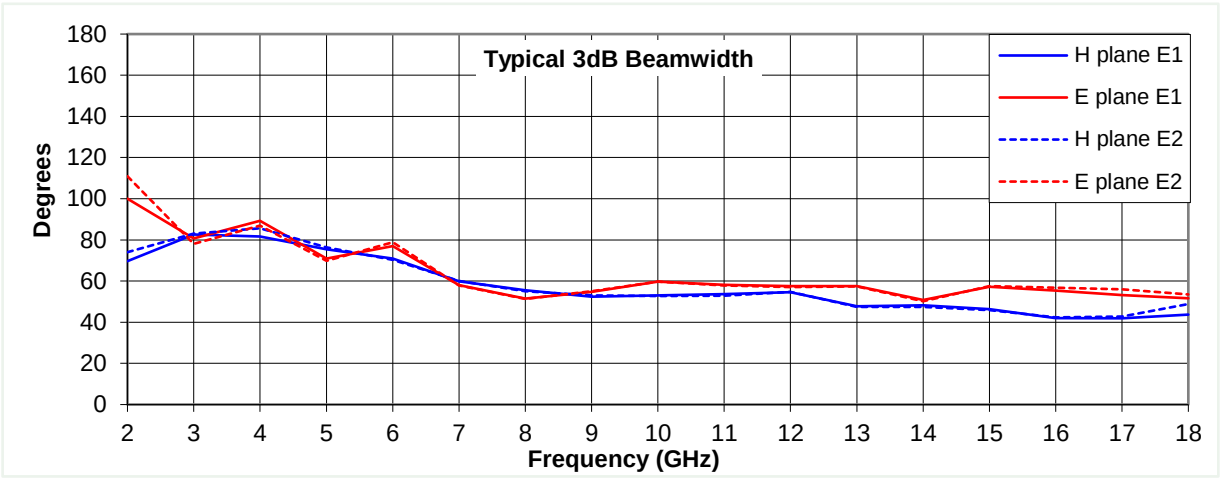
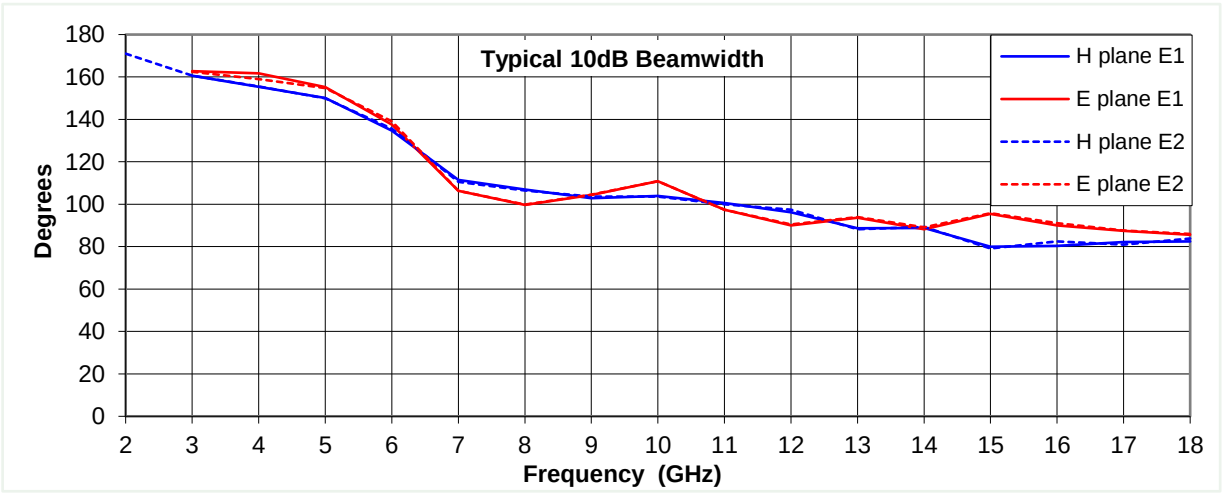
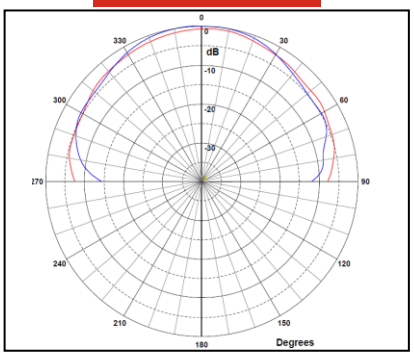
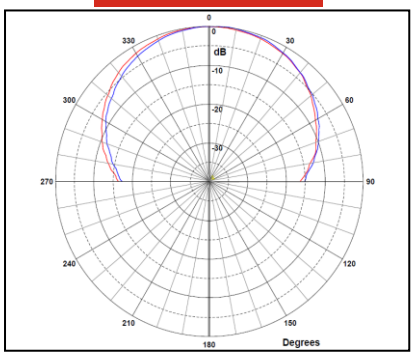




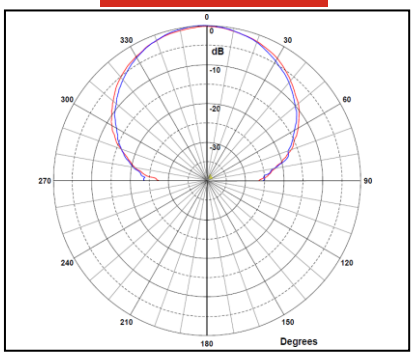
2 GHz



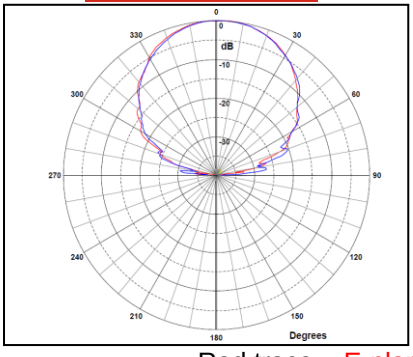
6 GHz



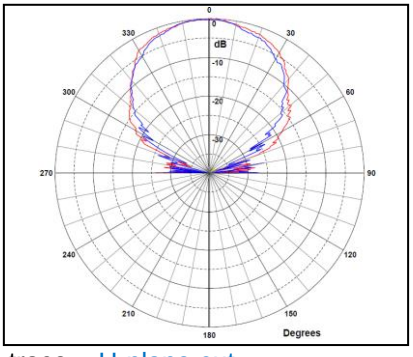
10 GHz



14 GHz



18 GHz



Red trace = E-plane, Blue trace = H-plane cut

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