2 - 24 GHz Dual Linearly Polarised Sinuous Antenna fitted with SMA type Connector and a Radome

Catalogue number **QSI-DL-2-24-S-SG-R**

Steatite reference **QMS-00487**

Contents

STEATITE LIMITED (ANTENNAS)
UNIT 15 CROFT BUSINESS PARK
SOUTHERN AVENUE
LEOMINSTER
HEREFORDSHIRE
HR6 0QF

STEATITE LIMITED (HEADQUARTERS)
RAVENSBANK BUSINESS PARK
ACANTHUS ROAD
REDDITCH
WORCESTERSHIRE
B98 9EX

WWW.STEATITE-ANTENNAS.CO.UK
A SOLID STATE GROUP COMPANY

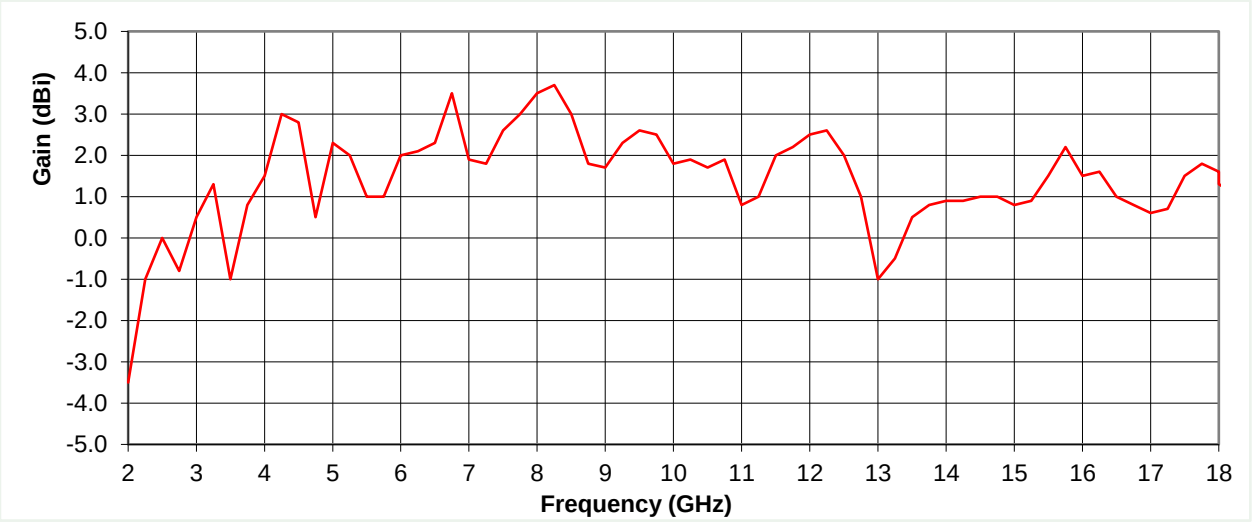
Telephone: **+44 (0)1568 617920**
Fax: **+44 (0)1568 612138**
Email: **sales.antennas@steatite.co.uk**

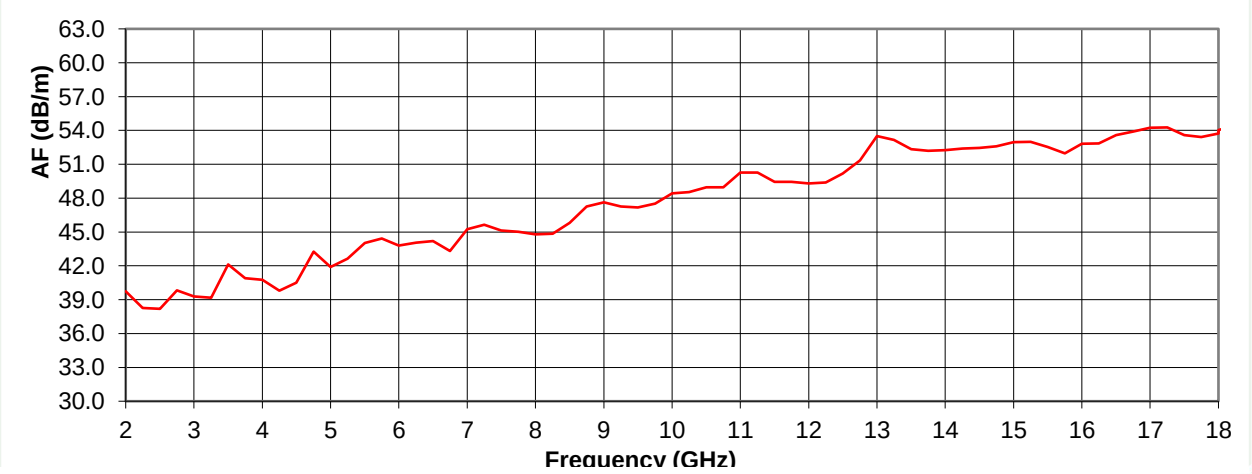
Typical Specification

Frequency	2 to 18 GHz
Connector Type	2 x SMA jack
Power Handling	5 Watt c.w.
VSWR	Typically < 3.0:1 4.6:1 maximum
Isolation	> -30dB port to port.
Gain	-3.5 to 3.7 dBi
Antenna Factor	38.2 to 58.8 dB/m
3dB Beamwidth	56 to 125 degrees
10dB Beamwidth	110 to 196 degrees
Weight	210 g nominal
Maximum Size	81 mm diameter mount flange. 51 mm overall length.
Mounting	6 holes, diameter 3.4 mm on 75 mm pitch circle diameter. See ICD for positions.
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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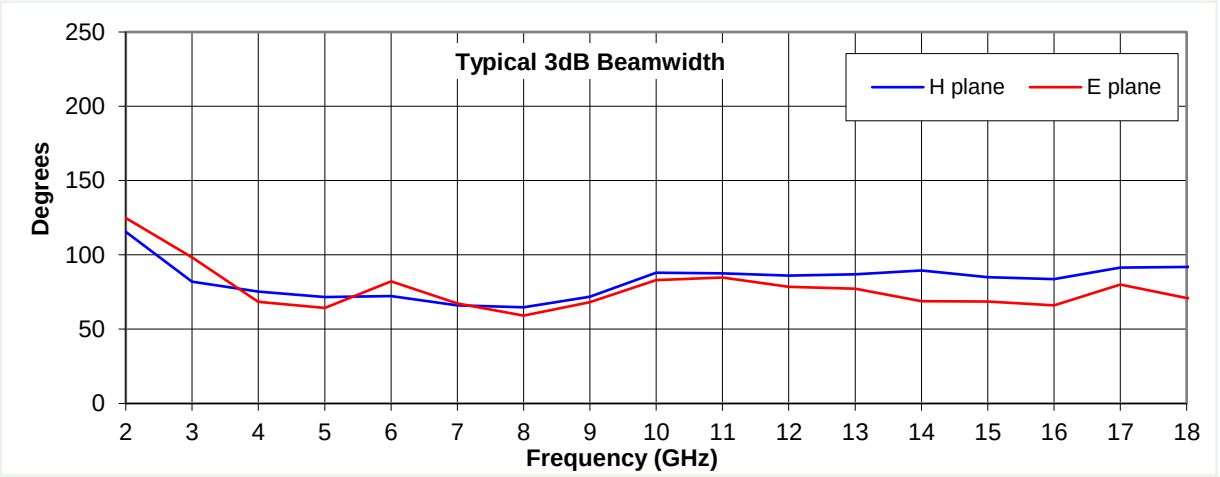
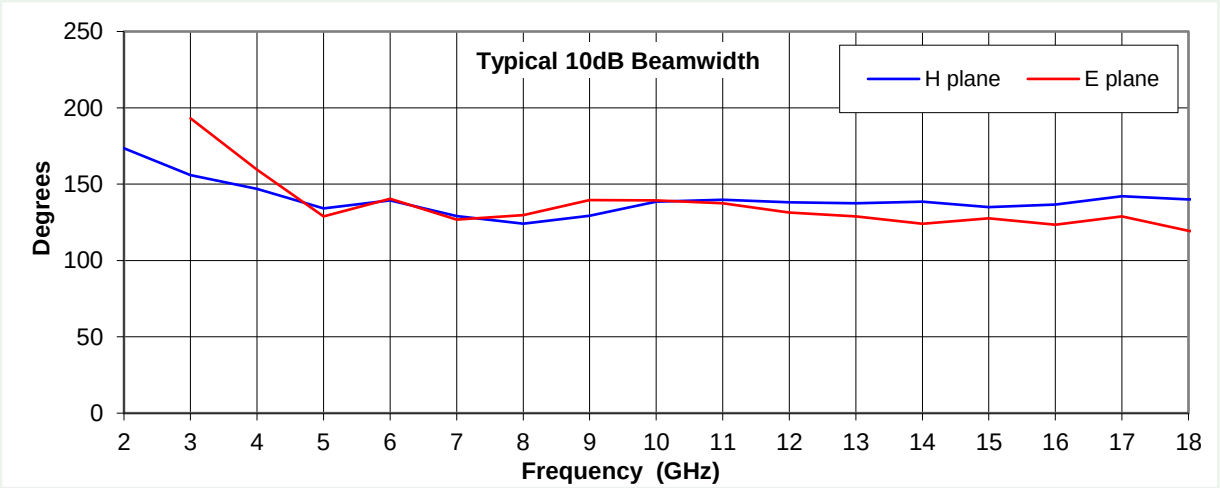
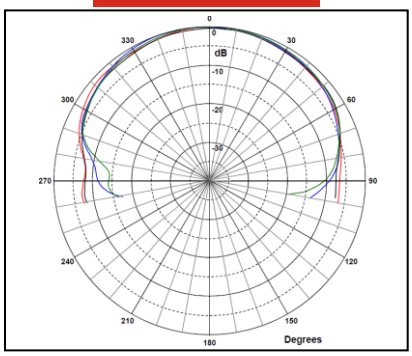
Typical Beamwidth / Radiation Patterns

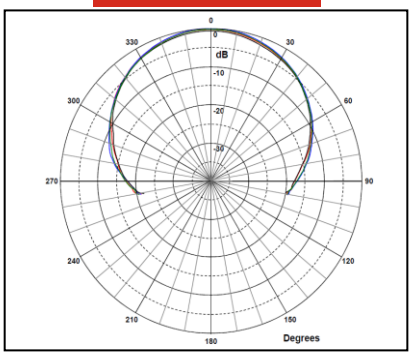




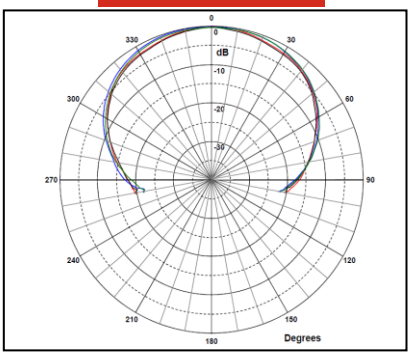
2.0 GHz



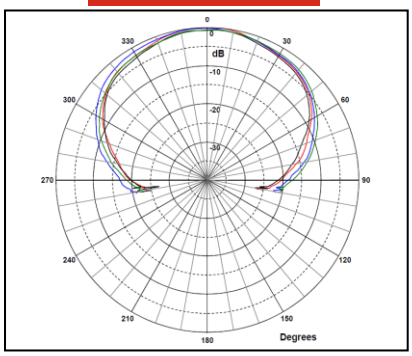
7.0 GHz



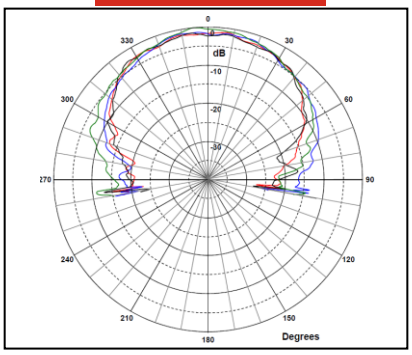
12.0 GHz



17.0 GHz



24.0 GHz



Red trace = E-plane, Port A
Blue trace = H-plane, Port A
Black trace = E-plane, Port B
Green trace = H-plane, Port B

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