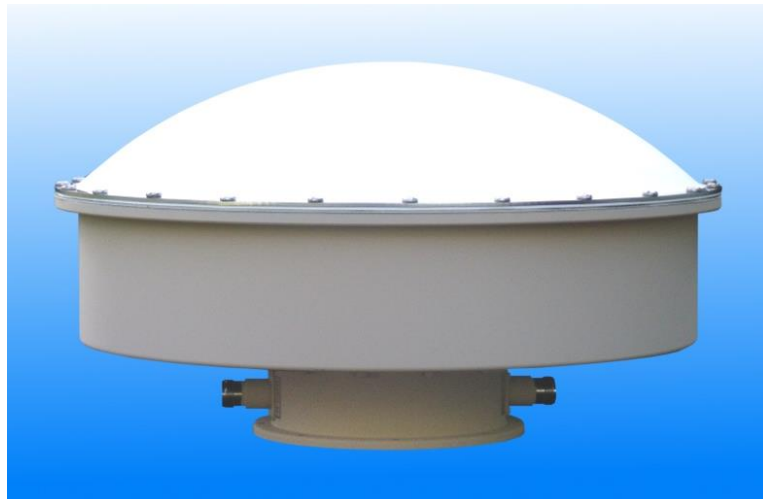


0.4 - 2GHz Dual Linearly Polarised Sinuous Antenna fitted with N type Connectors and a Radome

Catalogue number **QSI-DL-0.4-2-N-SG-R**

Steatite reference **QMS-00037**

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



QQD06-2 V7.3

PDM 14/08/2019 9678

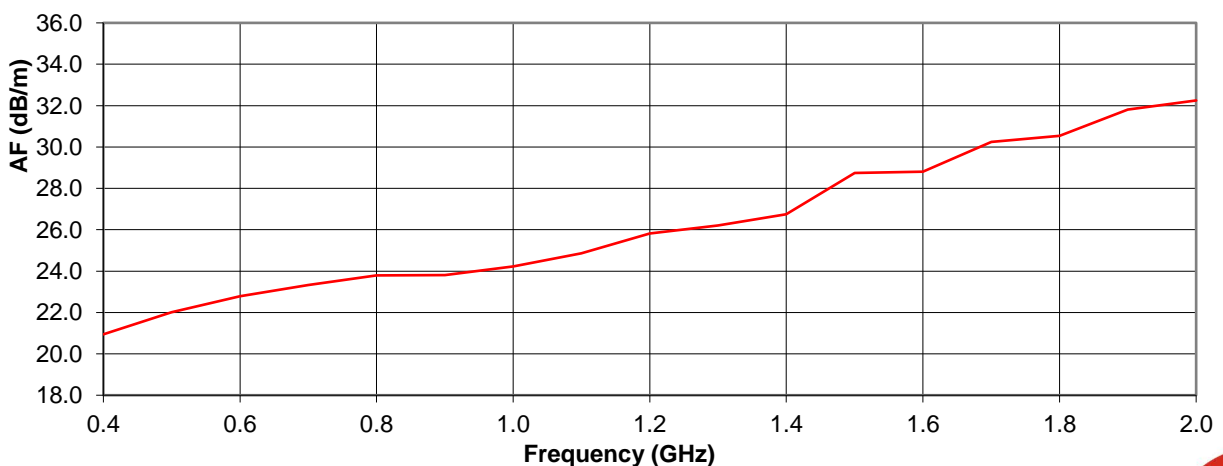
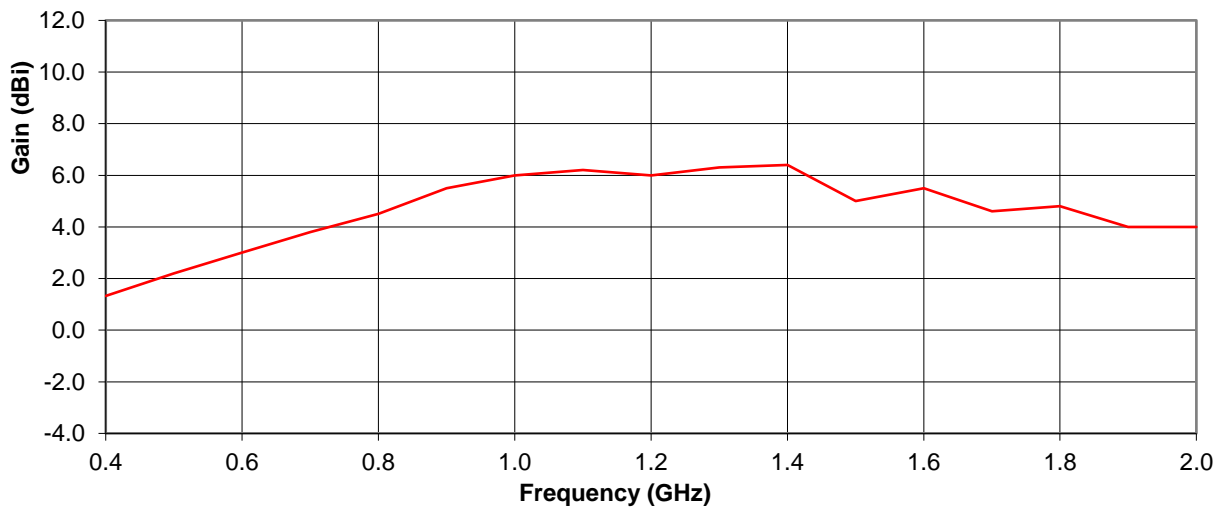


Typical Specification

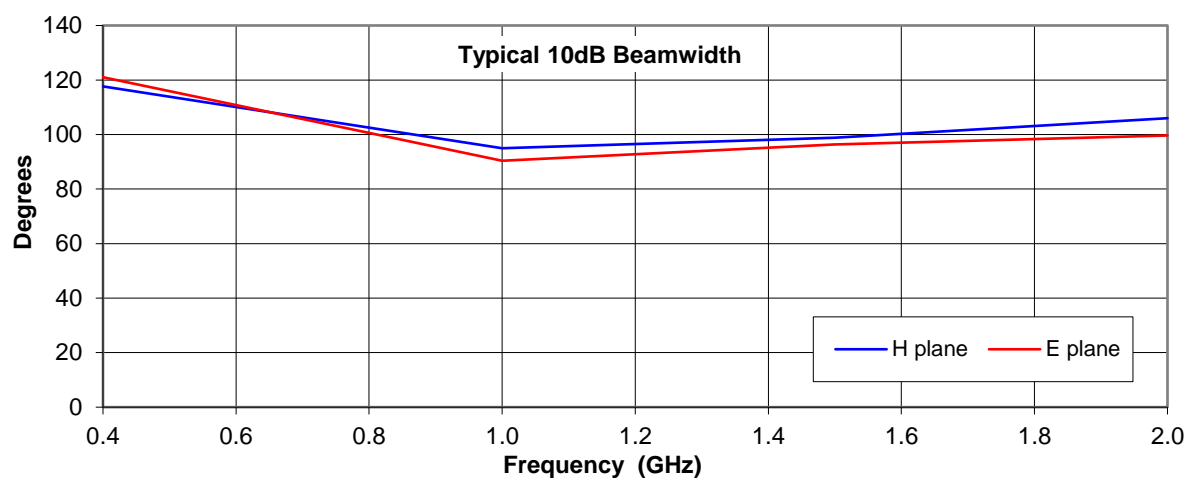
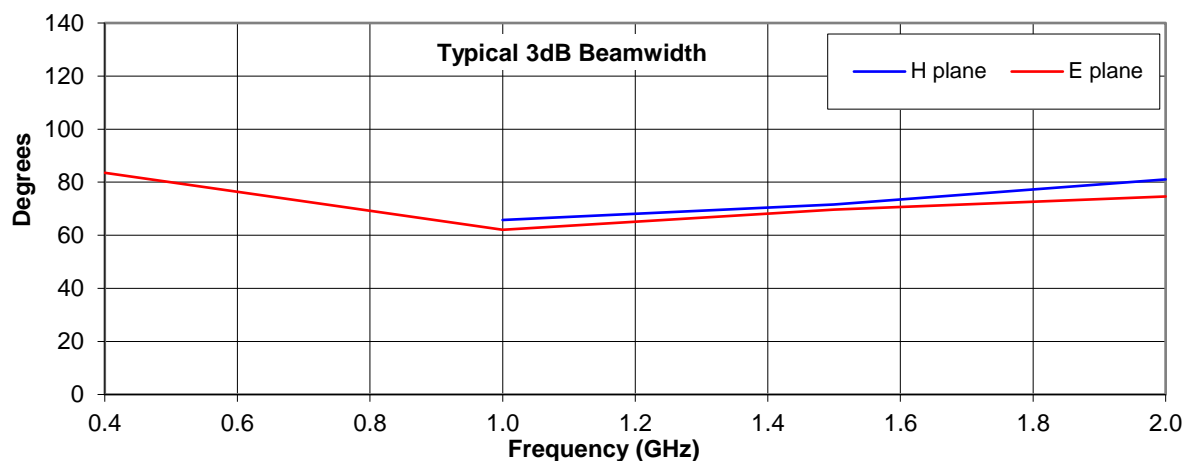
Frequency	0.4 to 2 GHz
Connector Type	2 x N type jack
Power Handling	4 Watt CW
VSWR	< 3.6:1 Typically
Isolation	> 34 dB between connectors
Gain	1.3 to 6.4 dBi
Antenna Factor	20.9 to 32.3 dB/m
3dB Beamwidth	62 to 84 degrees
10dB Beamwidth	90 to 121 degrees
Weight	3.44 kg
Maximum Size	350 mm diameter x 197 mm long
Mounting	8 holes tapped M4 equispaced on a 135 mm pitch circle diameter
Construction	Stainless steel, aluminium and engineering plastics

Typical Antenna Gain / Factor

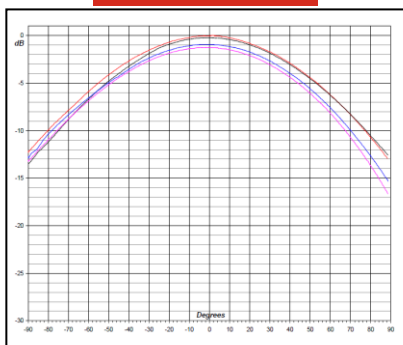
This is calculated by reference to standard gain horn antennas, and cross checked with reference to the antenna beamwidth, with an estimated error of +/- 0.8dB.



Typical Beamwidth / Radiation Patterns



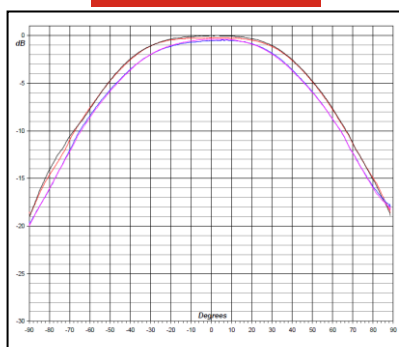
0.4 GHz



1.0 GHz



2.0 GHz



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

