

# 0.2 - 2 GHz Dual Linearly Polarised Sinuous Antenna fitted with N type Connectors

Catalogue number **QSI-DL-0.2-2-N-SG**

Steatite reference **QMS-00036**

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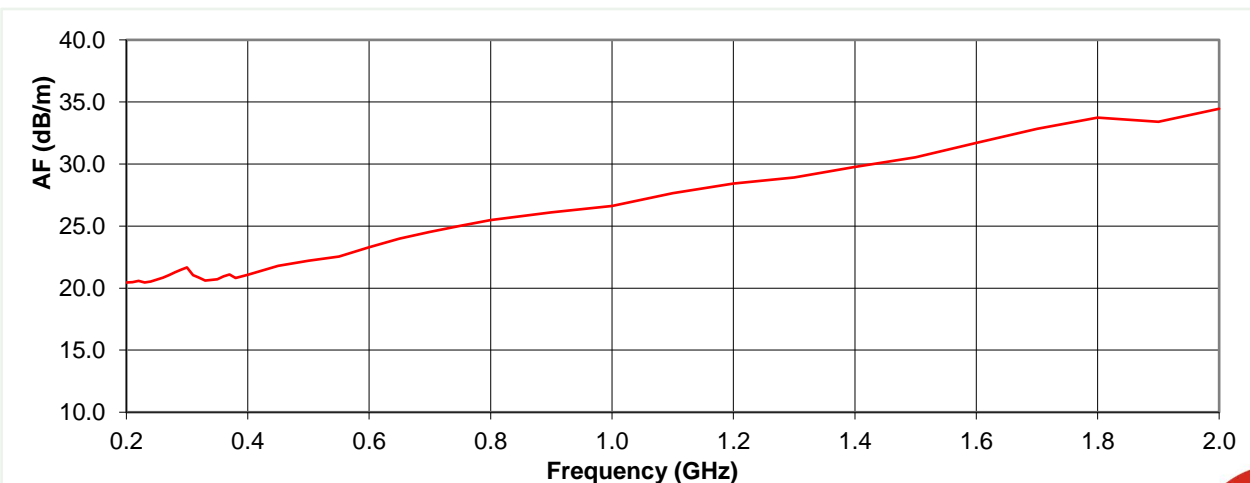
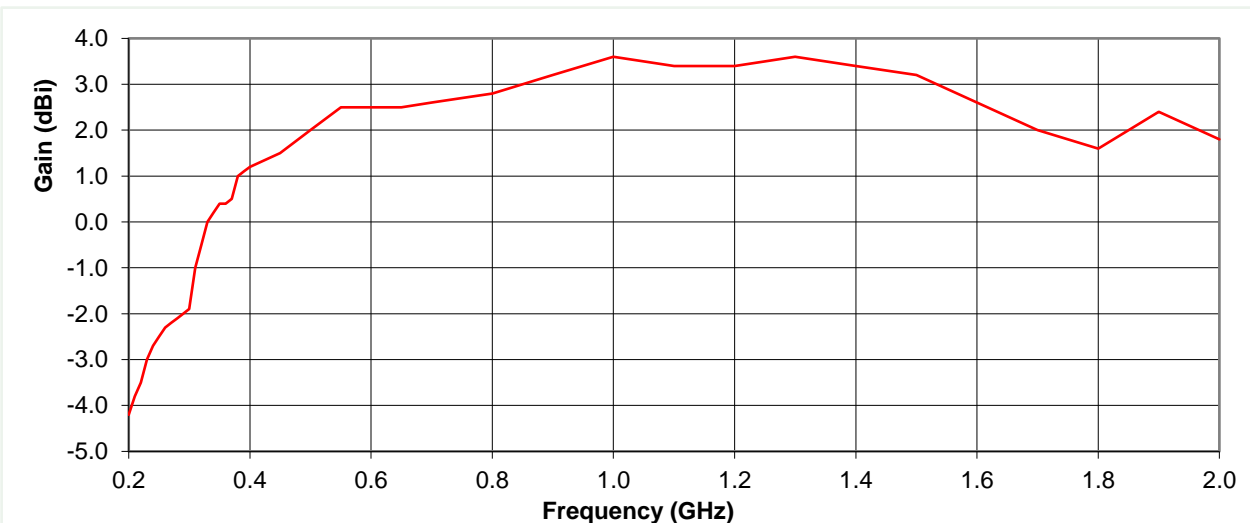


## Typical Specification

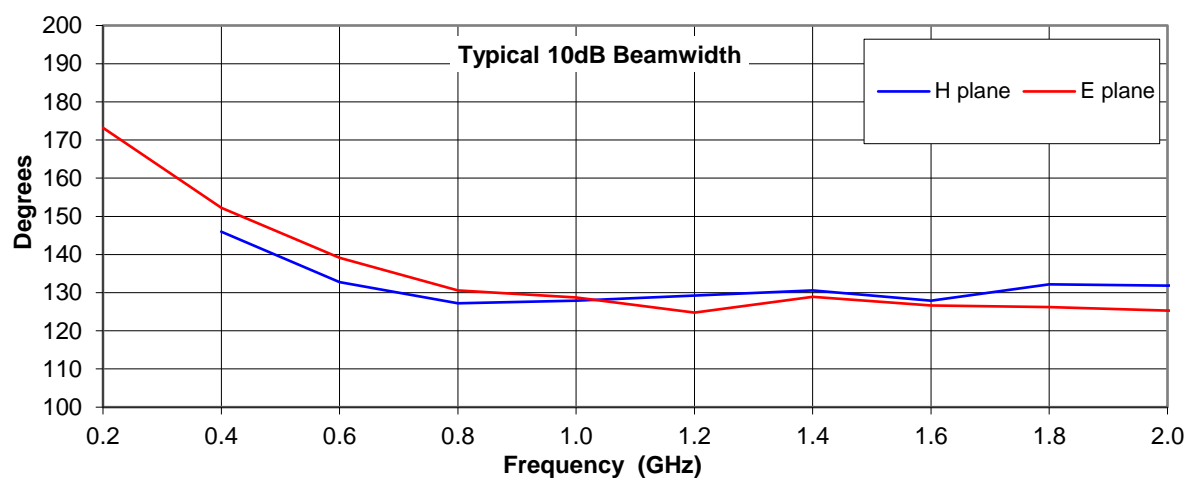
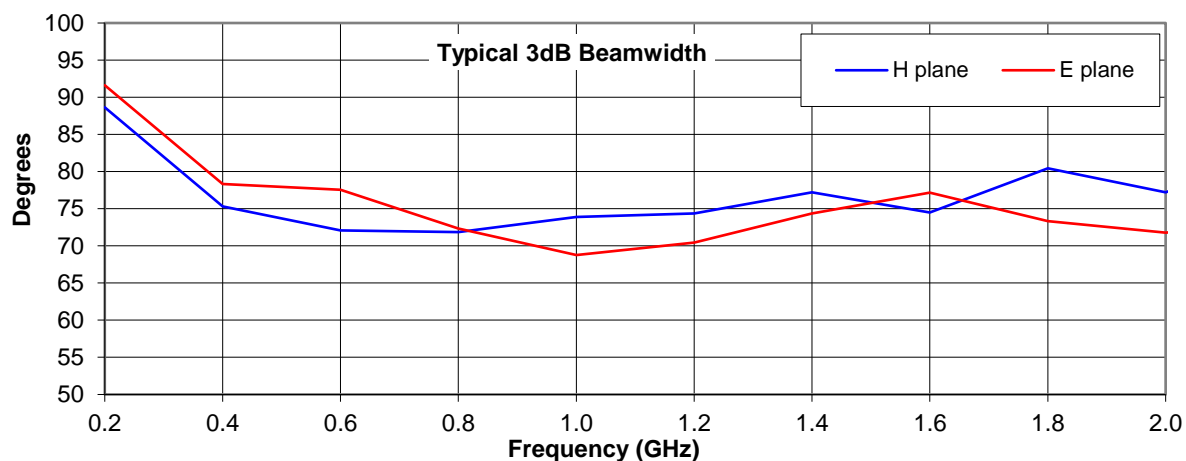
<b>Frequency</b>	0.2 to 2 GHz
<b>Connector Type</b>	2 x N type jack
<b>Power Handling</b>	10 Watt c.w.
<b>VSWR</b>	4.2:1 maximum. Typically <2.4:1 over 90% band.
<b>Gain</b>	-4.2 to 3.6 dBi
<b>Antenna Factor</b>	20.5 to 34.5 dB/m
<b>3dB Beamwidth</b>	69 to 92 degrees
<b>10dB Beamwidth</b>	125 to 173 degrees
<b>Weight</b>	13.8 kg (31.2 lbs)
<b>Maximum Size</b>	Diameter 716 mm (28.2") x 350 mm deep (13.8"), including connectors
<b>Mounting</b>	Circular mount & connector plate, having 8 holes, diameter 8.1 mm, 290 mm (11.417") pitch circle diameter
<b>Construction</b>	Aluminium and Engineering Plastics

## Typical Antenna Gain / Factor

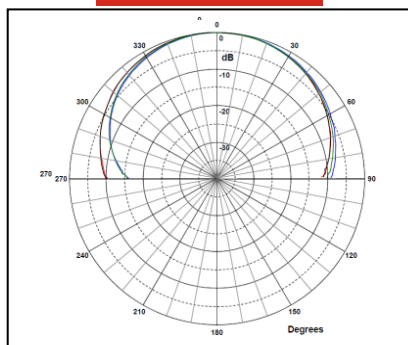
This is calculated by reference to standard gain horn antennas, and cross checked with reference to the antenna beamwidth, with an estimated error of +/- 0.8dB.



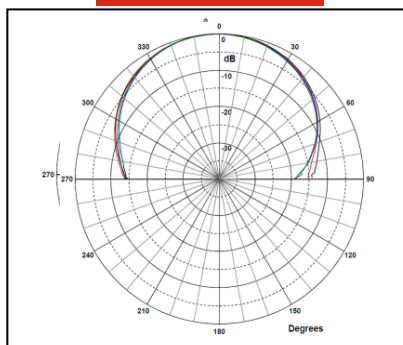
## Typical Beamwidth / Radiation Patterns



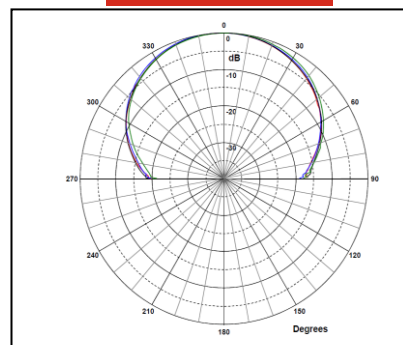
0.2 GHz



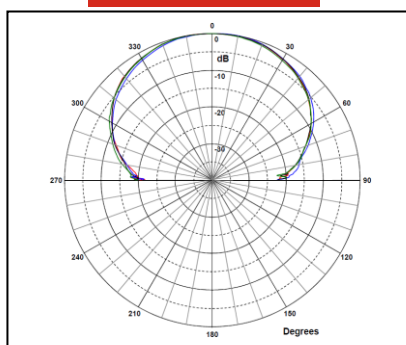
0.6 GHz



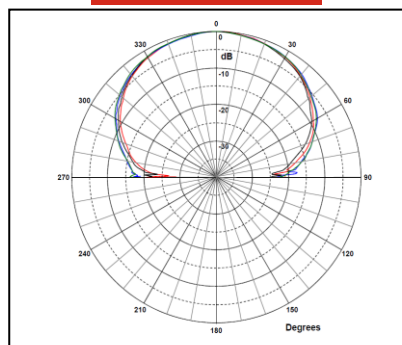
1.0 GHz



1.6 GHz



2.0 GHz



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

