



## 0.5 - 2 GHz Linearly Polarised Wideband Ridged Horn Antenna fitted with an N type Connector

Catalogue number **QWH-SL-0.5-2-N-SG**

Q-par reference **QMS-00054/55**

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



Typical photograph. Finish according to customer specifications.

**4TECT**

ООО «4TECT»

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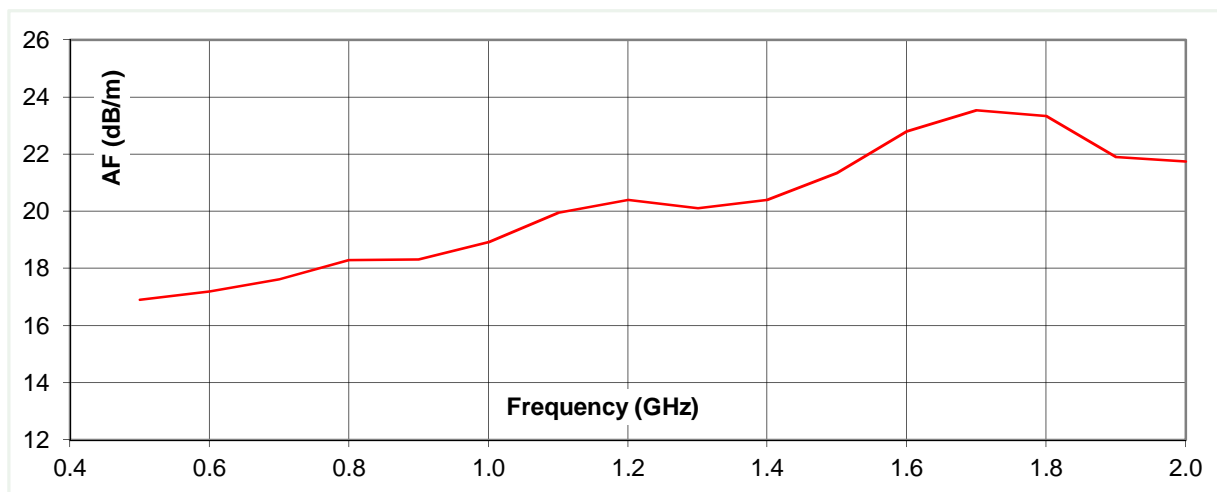
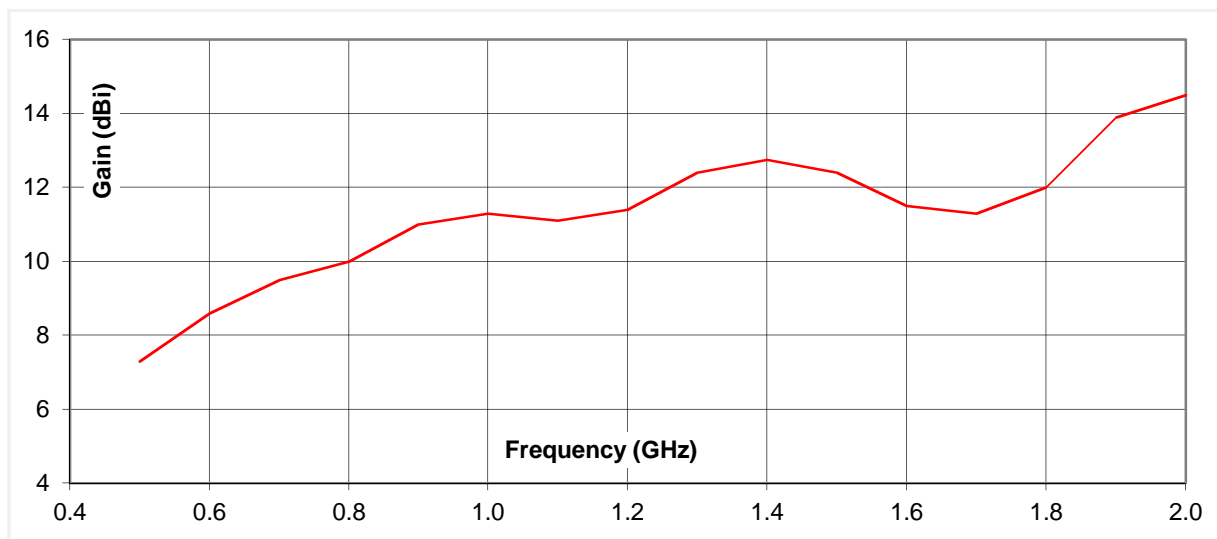
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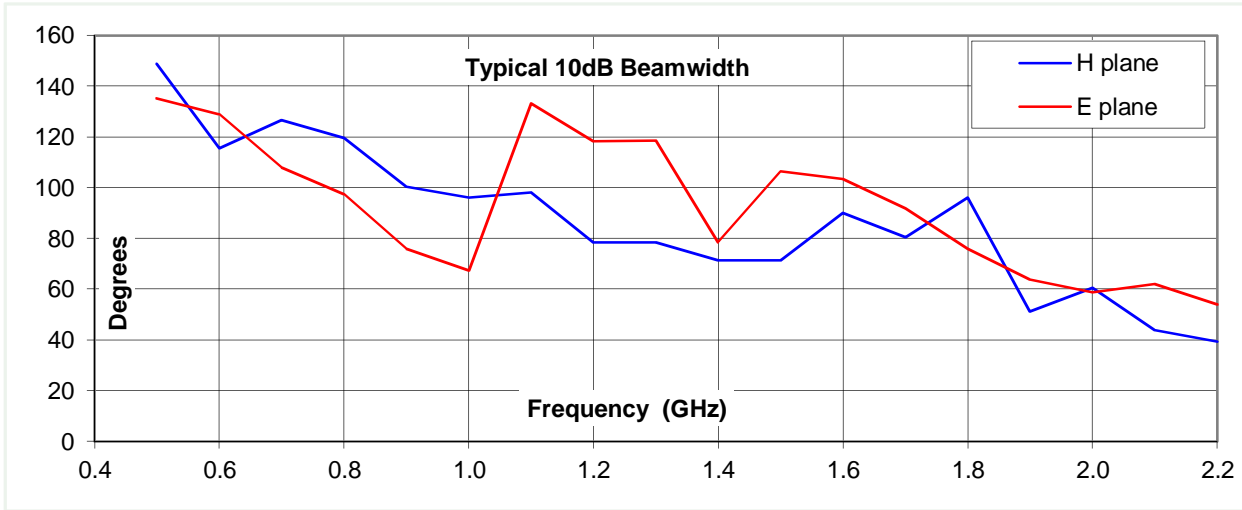
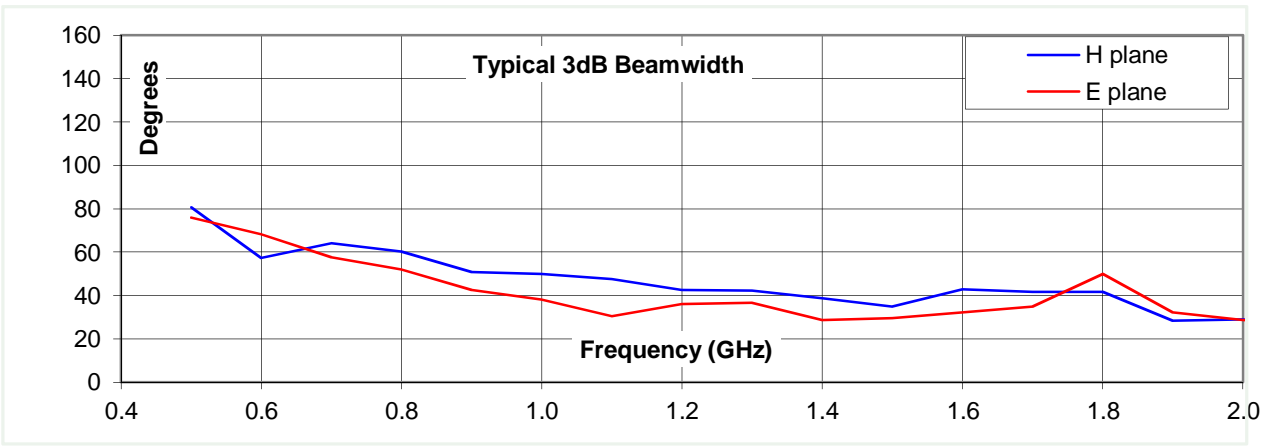
## Typical Specification

<b>Frequency</b>	0.5 to 2 GHz
<b>Connector type</b>	N type jack
<b>Power Handling</b>	250 Watt c.w.
<b>VSWR</b>	< 1.8:1 over 95% band; <2.8:1 @ 0.5GHz
<b>Gain</b>	7.4 to 14.5 dBi
<b>Antenna Factor</b>	16.9 to 23.5 dB/m
<b>3dB Beamwidth</b>	72.4 to 23.8 degrees
<b>10dB Beamwidth</b>	132 to 44.3 degrees
<b>Weight</b>	9.74 kg
<b>Maximum size</b>	404 mm x 404 mm external aperture x 570 mm long
<b>Mounting</b>	Mounting spigot on 2 sides at centre of gravity. Both tapped M10 x 16 deep
<b>Construction</b>	Welded aluminium. Powdercoat finish.

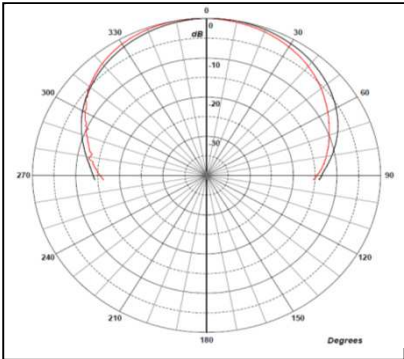
## Typical Antenna Gain / Factor

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.

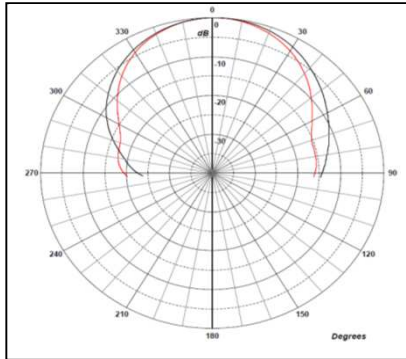




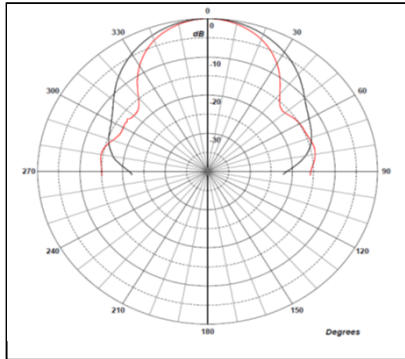
**0.5 GHz**



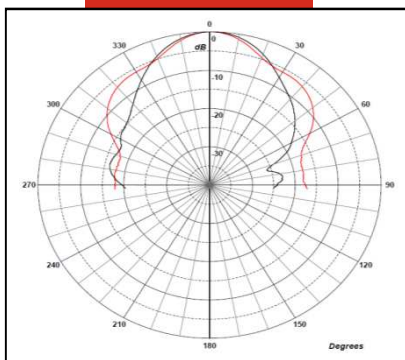
**0.8 GHz**



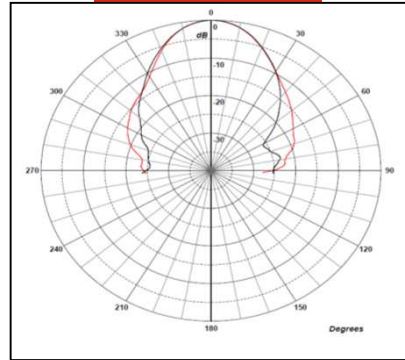
**1 GHz**



**1.5 GHz**



**2 GHz**



\* Red trace = E-plane, Black trace = H-plane cut

