

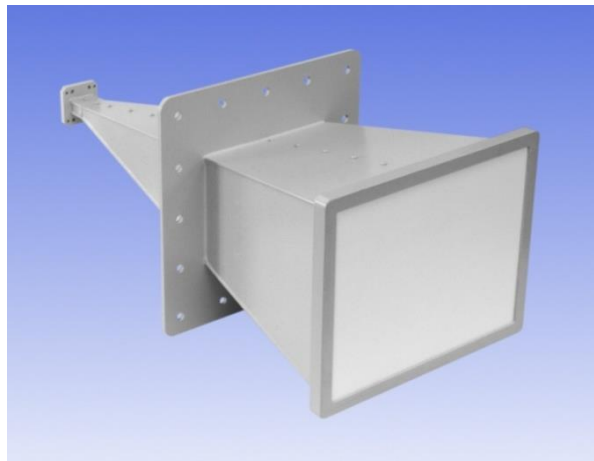


## 6.5 - 18 GHz Linearly Polarised High gain Wideband Ridged Horn Antenna fitted with a Waveguide Flange and a Radome

Catalogue number **QWH-SL-6.5-18-F-HG-R**

Q-par reference **QMS-00827**

Contents **Summary**  
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**VSWR**

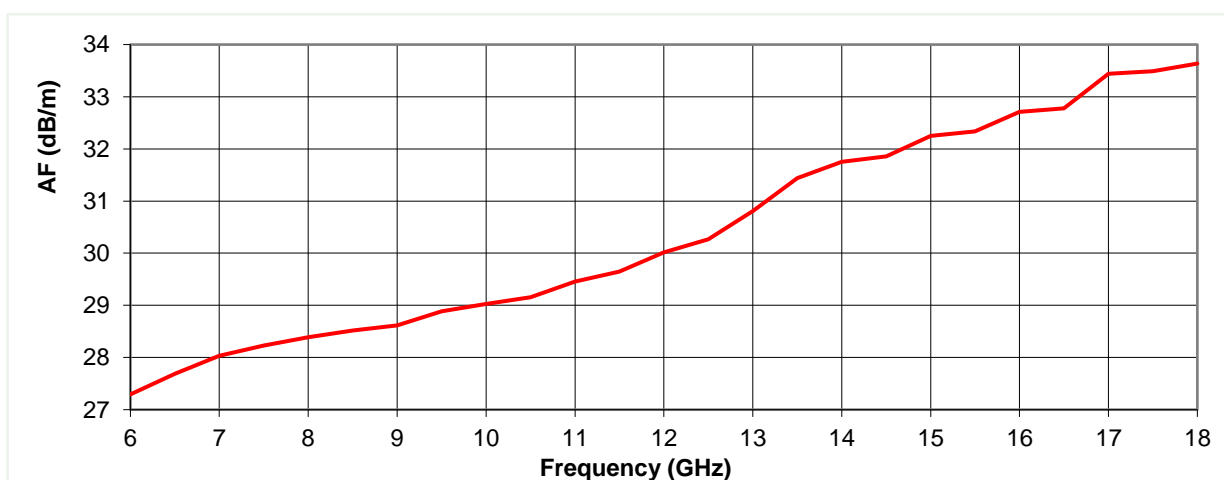
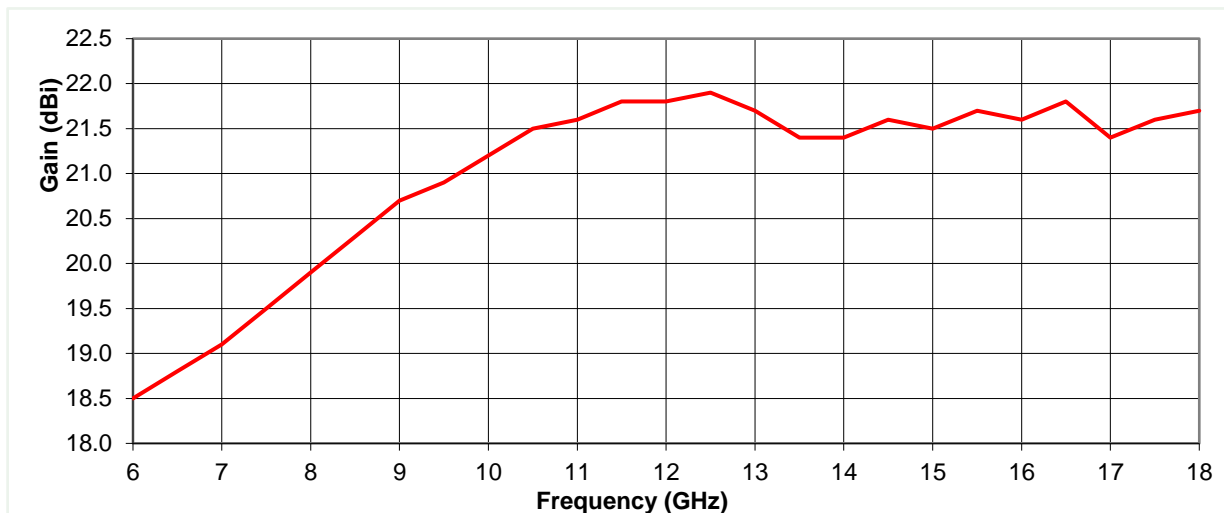


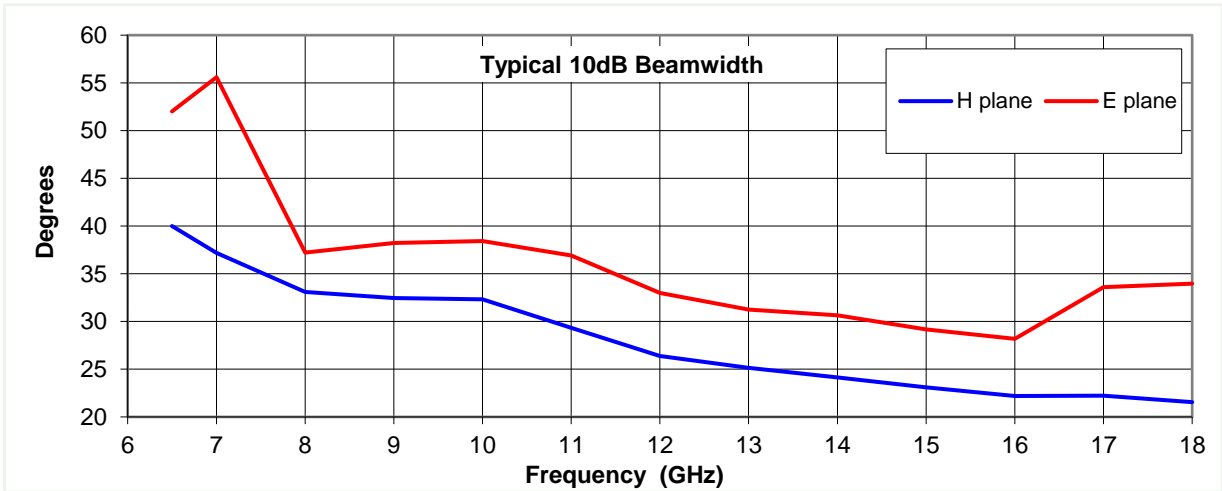
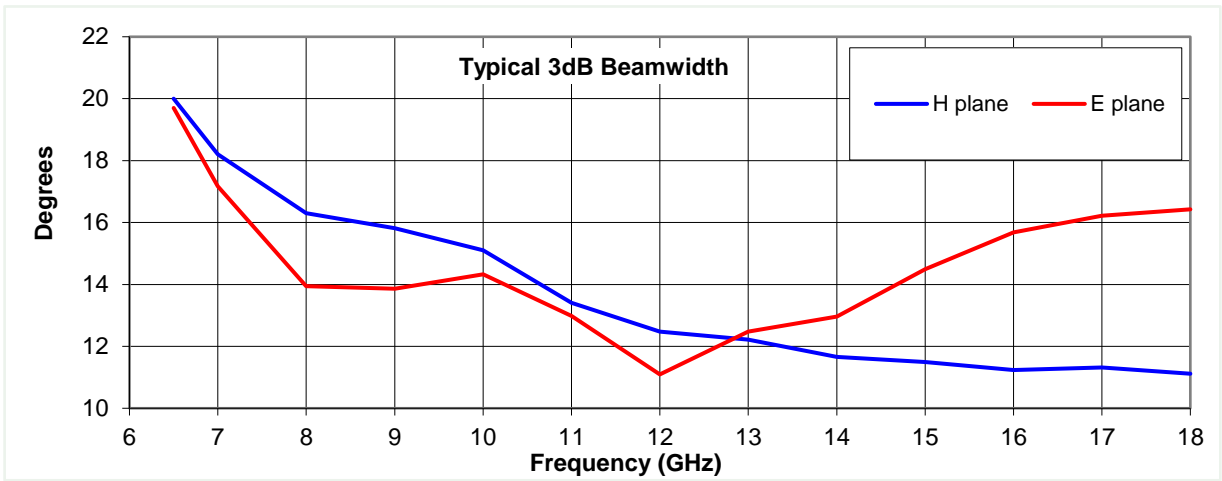
## Typical Specification

<b>Frequency</b>	6.5 to 18 GHz
<b>Connector Type</b>	WRD650 flange
<b>Power Handling</b>	4 kW c.w.
<b>VSWR</b>	< 1.15:1 at 9 to 18 GHz    1.3:1 maximum
<b>Gain</b>	18.5 to 21.9 dBi
<b>Antenna Factor</b>	27.3 to 33.6 dB/m
<b>3dB Beamwidth</b>	11 to 20 degrees
<b>10dB Beamwidth</b>	22 to 56 degrees
<b>Weight</b>	3.5 kg
<b>Maximum Size</b>	200 x 160 mm aperture x 426 mm long
<b>Mounting</b>	Mount flange at centre of gravity, with 16 holes, diameter 6 mm, 40 mm centres
<b>Construction</b>	Brass horn with composite plastic radome, stainless steel screws, painted.

## 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.

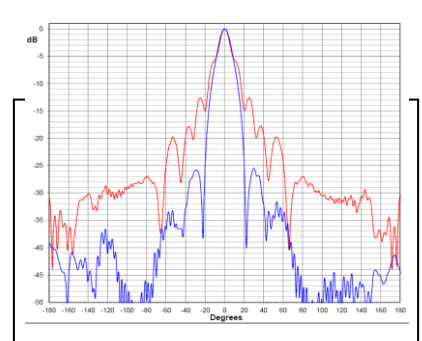
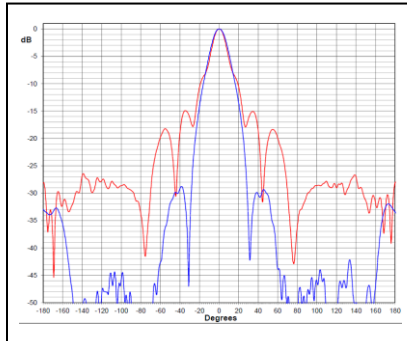
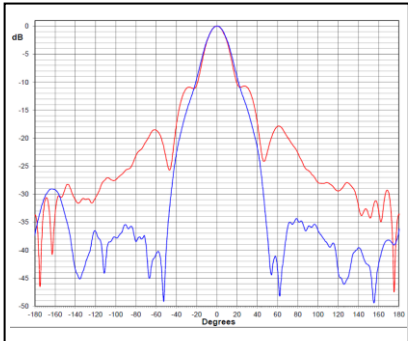




**6.5 GHz**

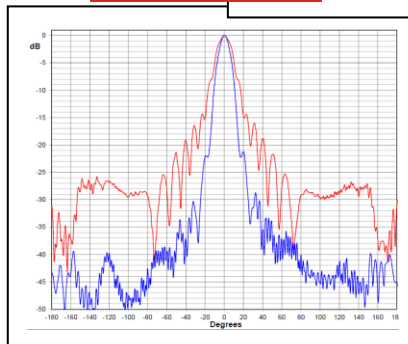
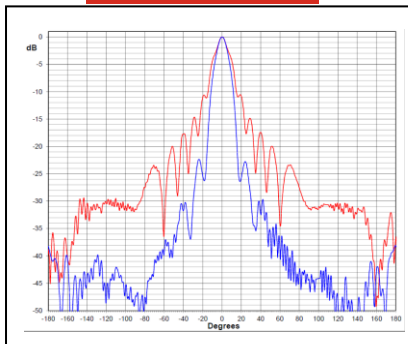
**9 GHz**

**12 GHz**



**15 GHz**

**18 GHz**



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

