



## Standard Gain Horn Antenna

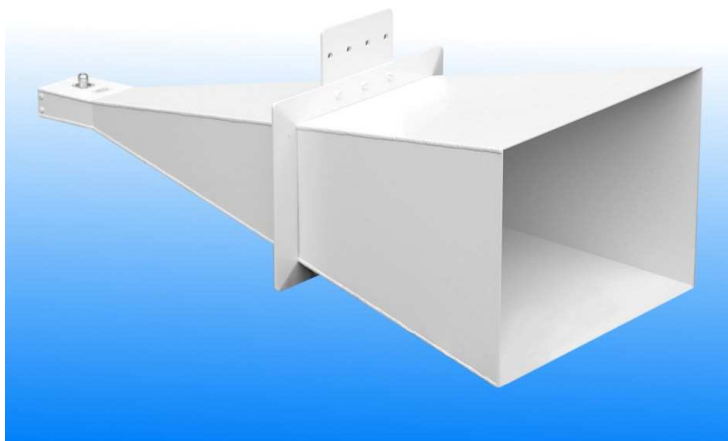
**2.2 to 3.3 GHz**

**WG9A R26 WR340**

Catalogue number: **QSH-SL-2.2-3.3-N-20**

Q-par reference: **QMS-00100**

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

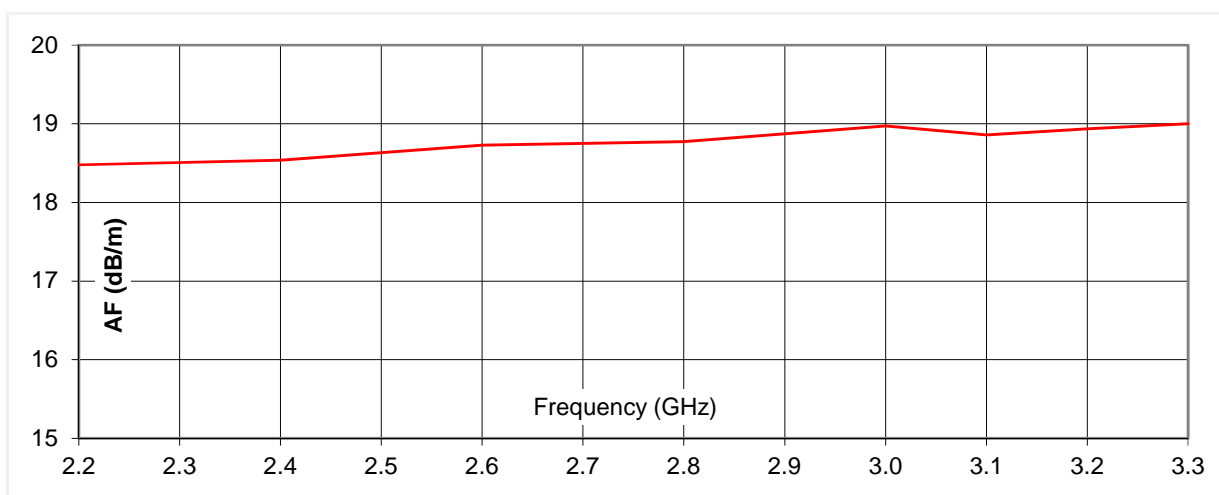
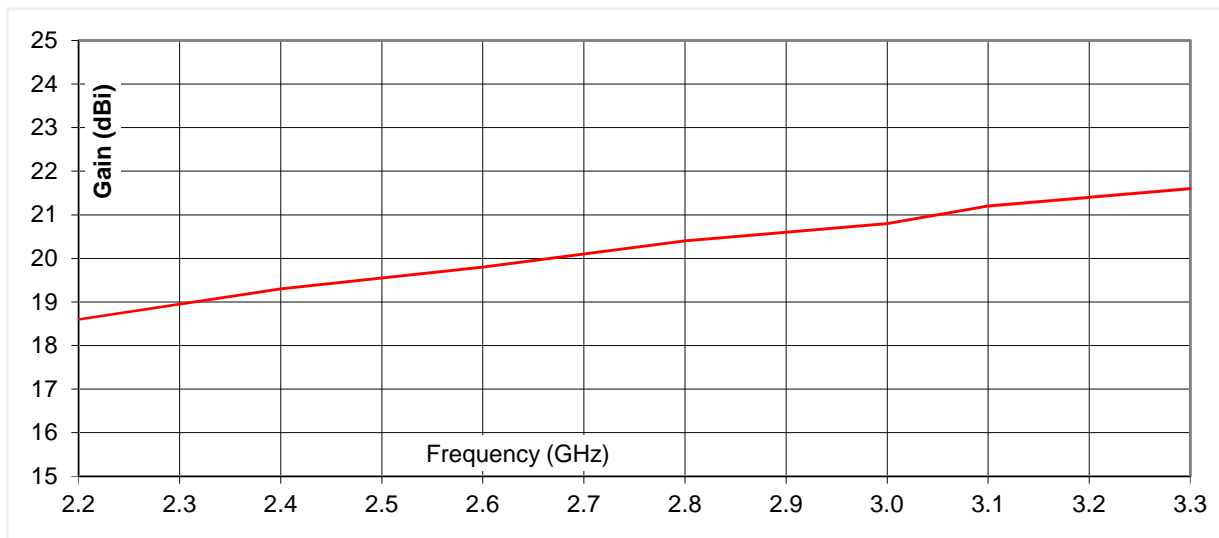


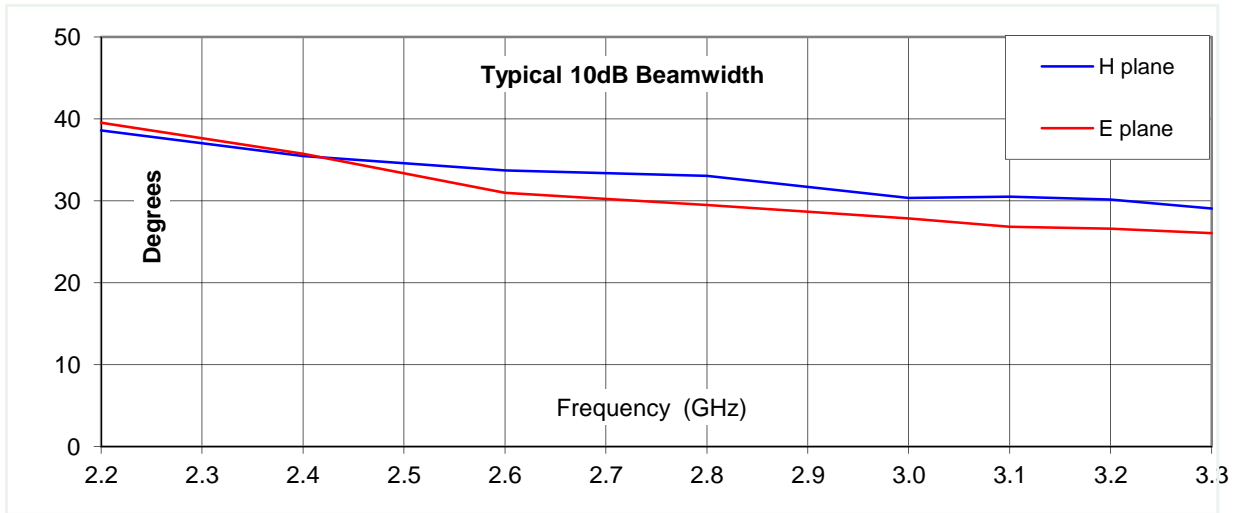
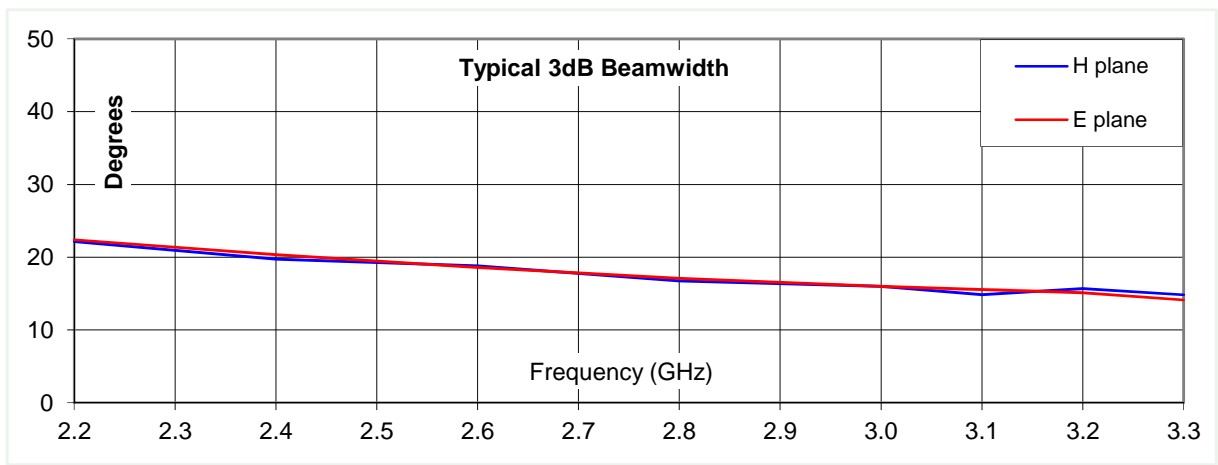
## Typical Specification

<b>Frequency</b>	2.2 to 3.3 GHz
<b>Connector type</b>	N type jack
<b>Power Handling</b>	300 Watt c.w.
<b>VSWR</b>	Typically < 1.4:1
<b>Gain</b>	18.6 to 21.6 dBi
<b>Antenna Factor</b>	18.5 to 19 dB/m
<b>3dB Beamwidth</b>	14 to 22 degrees
<b>10dB Beamwidth</b>	26 to 40 degrees
<b>Weight</b>	7.5 kg -nominal
<b>Size- max.</b>	460 mm x 326 mm external aperture x 962 mm long
<b>Mounting</b>	2 x Mounting Plate at C of G, with 4 holes, diameter 10 mm, 40 mm centres
<b>Construction</b>	Welded aluminium. Powdercoat finish.

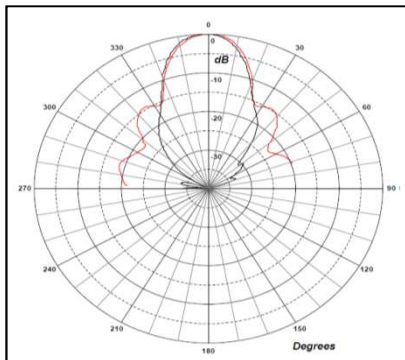
## Typical Antenna Gain / Factor

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.

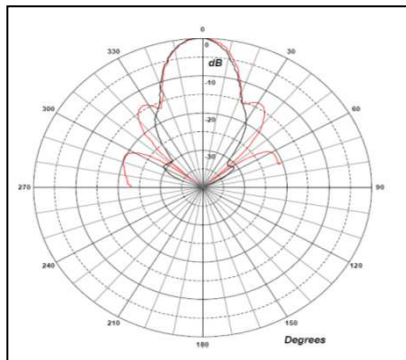




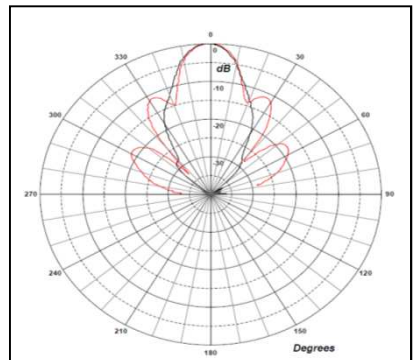
2.2 GHz



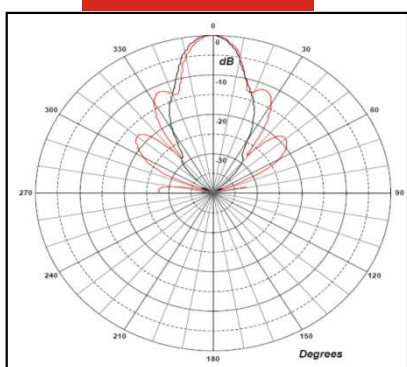
2.4 GHz



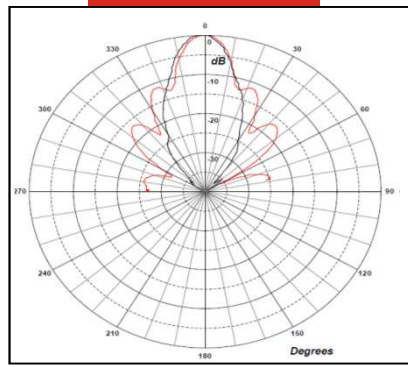
2.8 GHz



3.0 GHz



3.3 GHz



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

