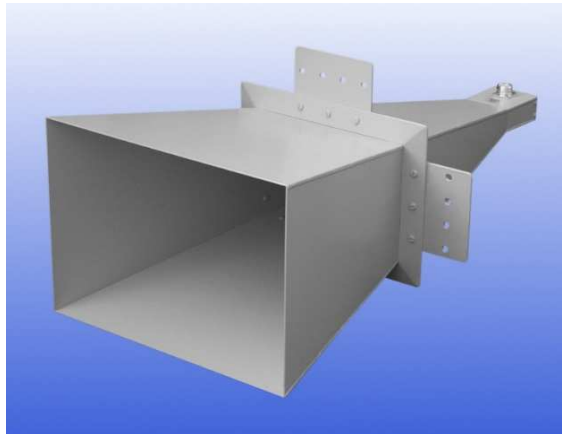


## 2.2 - 3.3 GHz Linearly Polarised 20 dBi Horn Antenna fitted with a 7:16 DIN Connector

Catalogue number **QSH-SL-2.2-3.3-A-20**

Q-par reference **QMS-00780**

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



Typical photograph. Finish according to customer specifications.

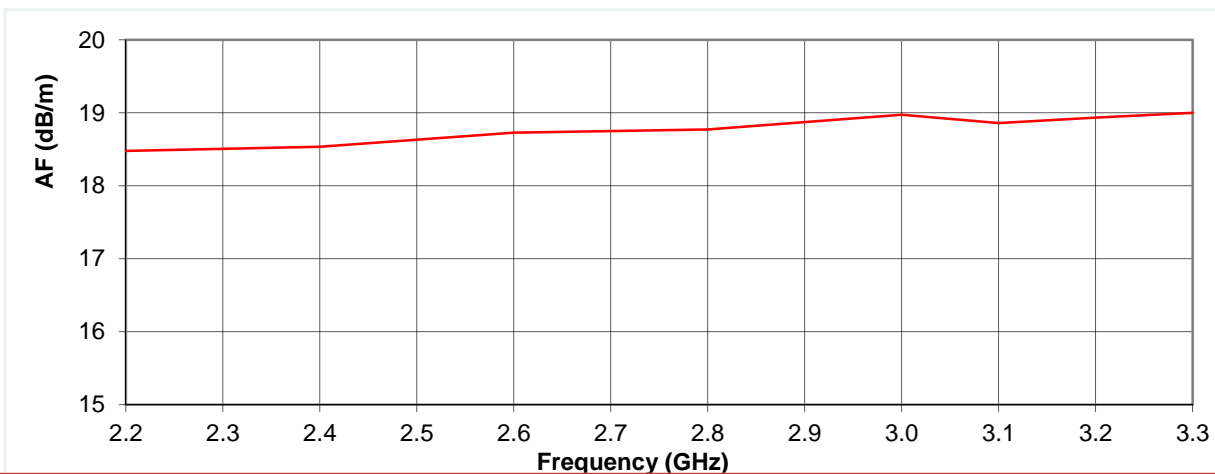
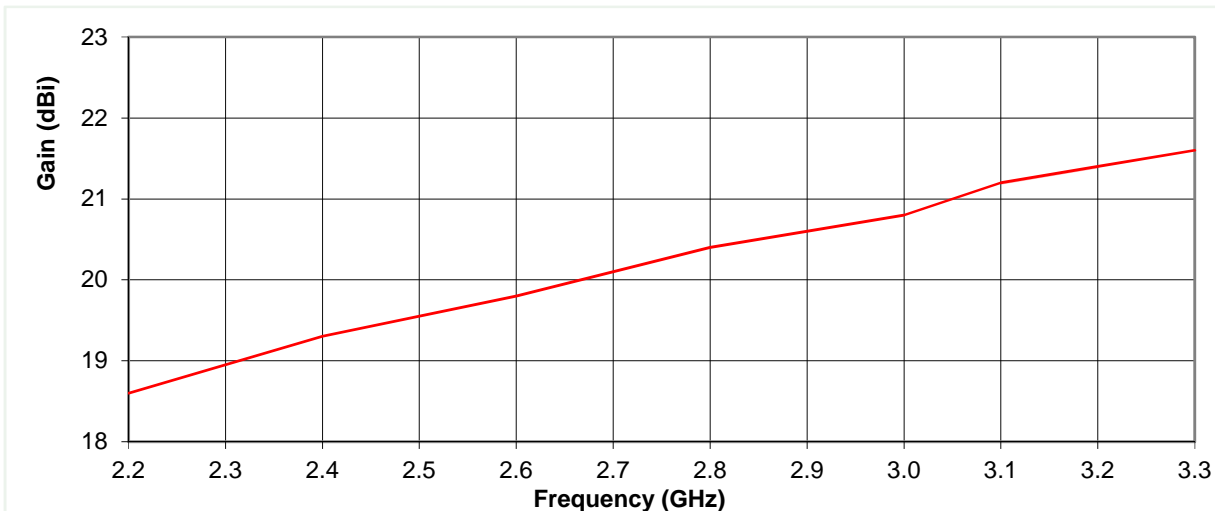


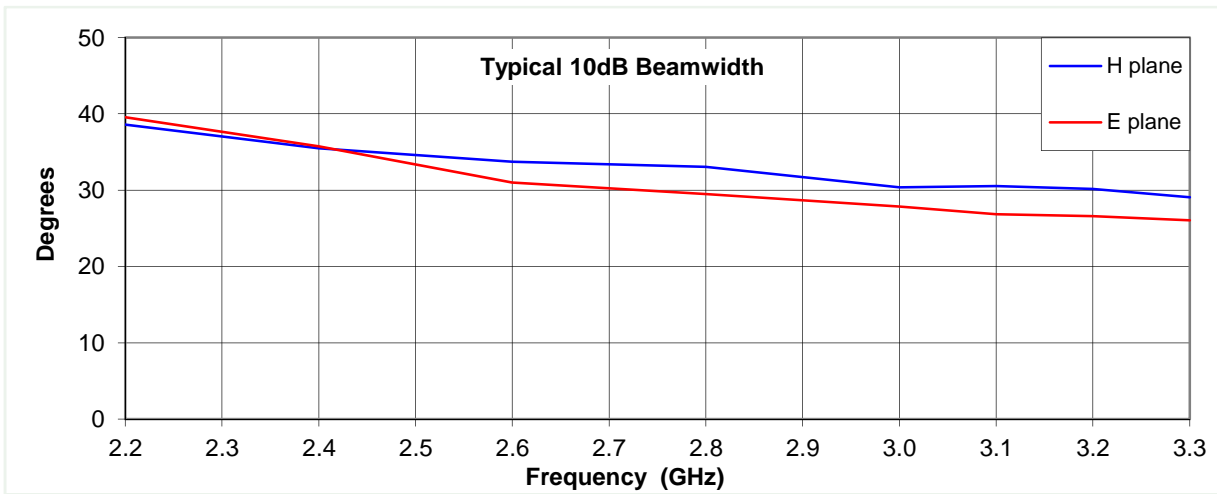
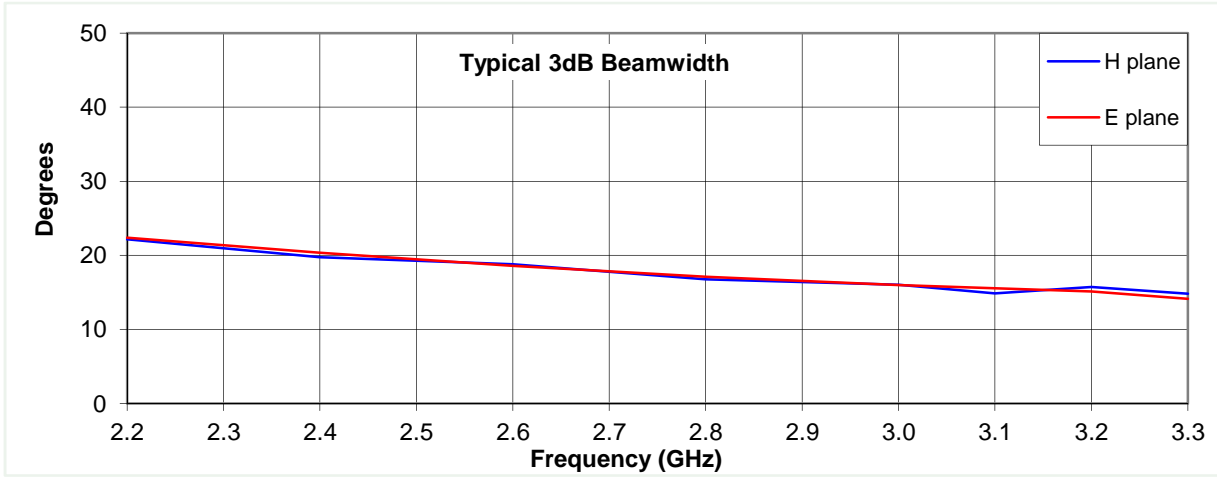
## Typical Specification

<b>Frequency</b>	2.2 to 3.3 GHz
<b>Connector Type</b>	7:16 DIN Connector
<b>Power Handling</b>	1 kWatt 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>	7.2 kg nominal
<b>Maximum Size</b>	457 mm x 326 mm external aperture x 950 mm long
<b>Mounting</b>	2 x Mounting plate at centre of gravity, with 4 holes, diameter 10 mm, 40 mm centres
<b>Construction</b>	Welded aluminium. Powdercoat finish.

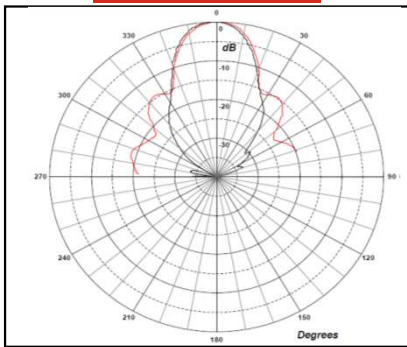
## Typical Antenna Gain / Factor

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.

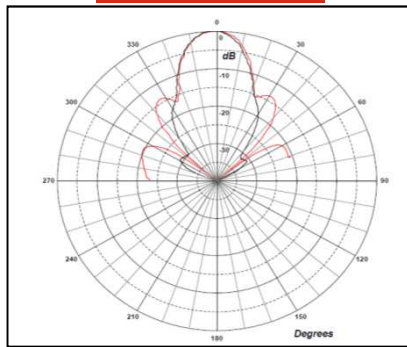




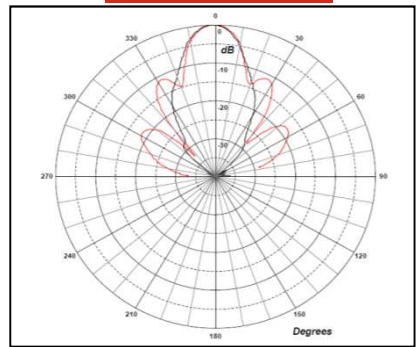
**2.2 GHz**



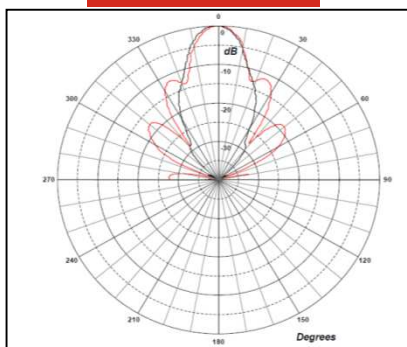
**2.4 GHz**



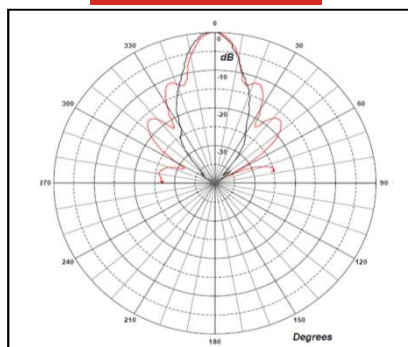
**2.8 GHz**



**3.0 GHz**



**3.3 GHz**



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

