

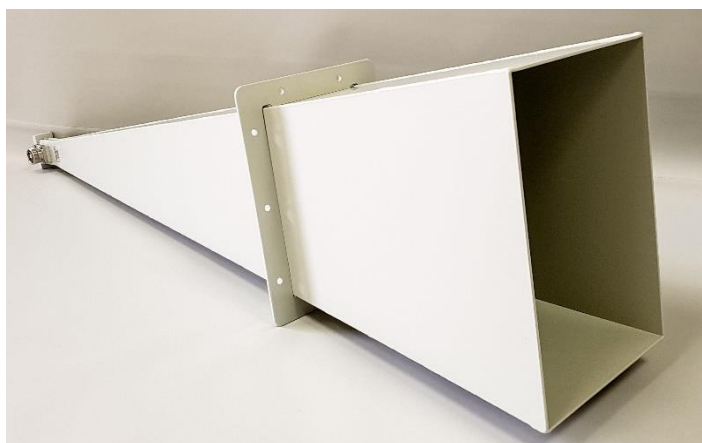
## 6 - 8 GHz Linearly Polarised 22 dBi Horn Antenna fitted with an 7:16 DIN type Connector

Catalogue number **QSH-SL-6-8-A-22**

Q-par reference **QMS-00892**

Contents **Summary**

**Typical Gain / Antenna Factor - at 1 metre**  
**Typical Beamwidth - at 1 metre**  
**VSWR**

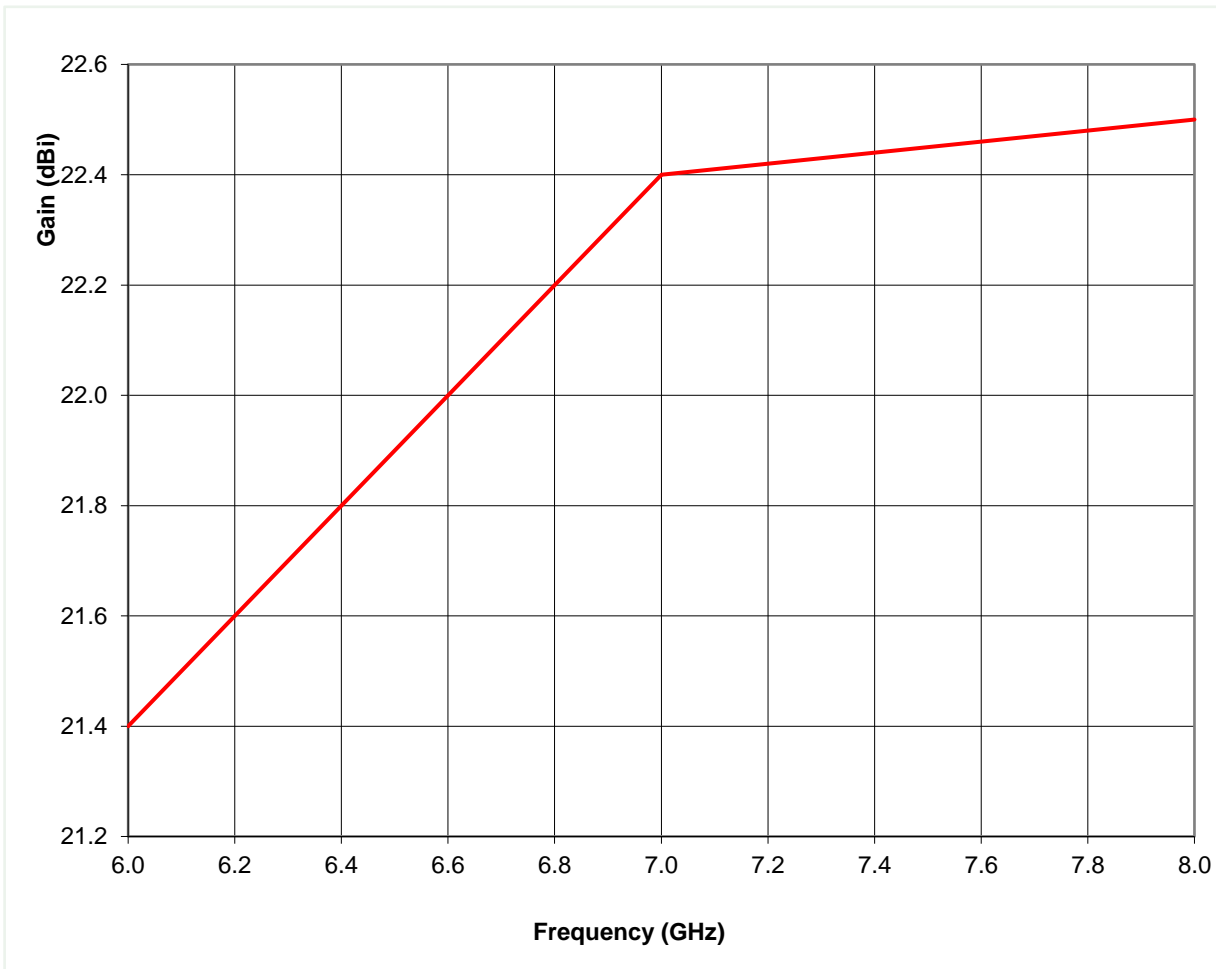


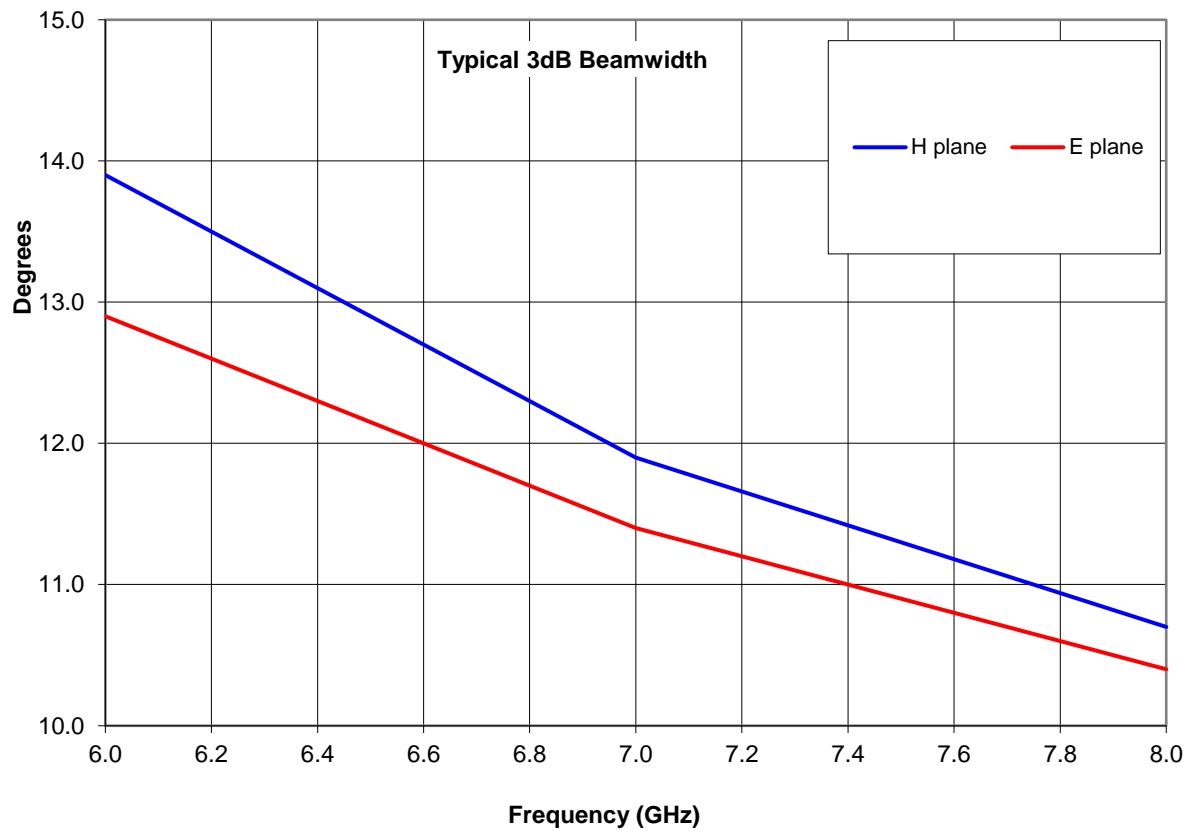
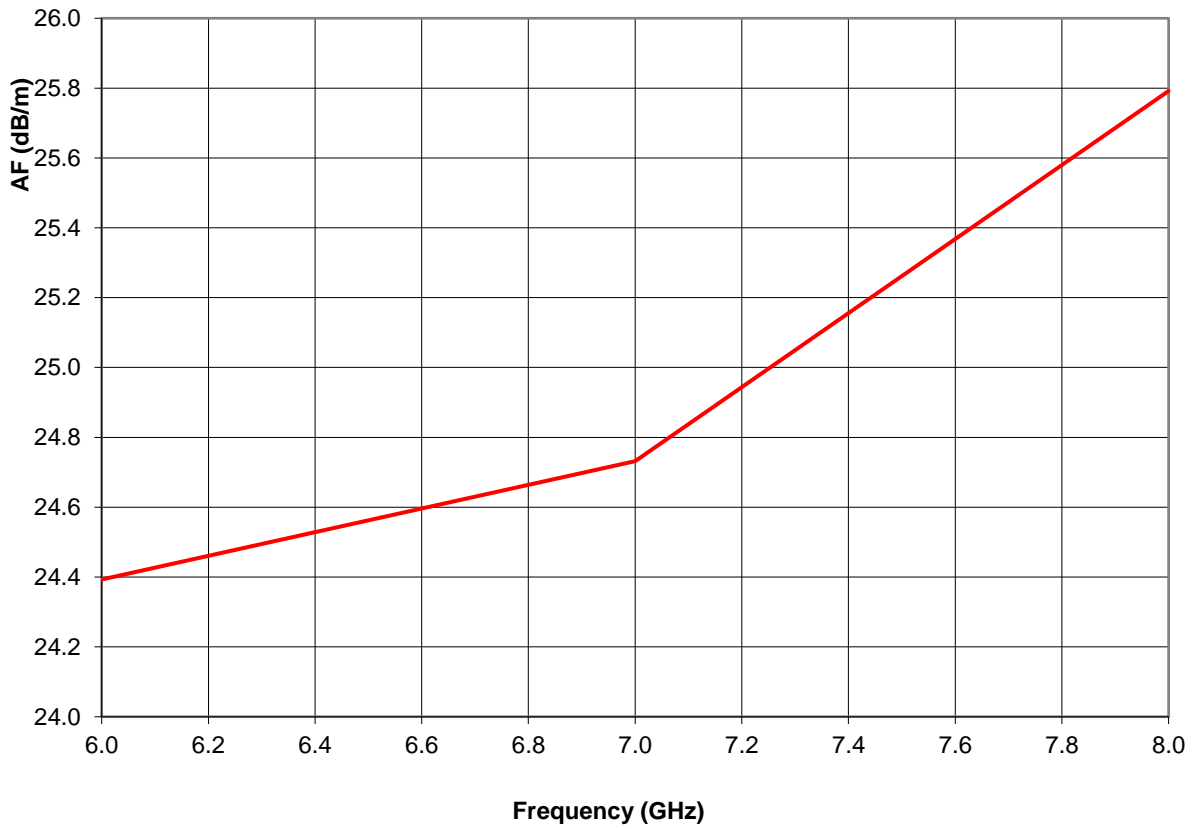
## Typical Specification - at 1 metre

<b>Frequency</b>	6 to 8.2 GHz
<b>Connector Type</b>	1:16 DIN Type Female
<b>Power Handling</b>	10 kW peak; 250 W c.w.
<b>VSWR</b>	Typically < 1.6:1. 1.8:1 Max.
<b>Gain</b>	21.4 to 22.5 dBi
<b>Antenna Factor</b>	24.4 to 25.8 dB/m
<b>3dB Beamwidth</b>	10 to 14 degrees
<b>Weight</b>	4.5 kg nominal
<b>Maximum Size</b>	336 x 305 x 1057 mm
<b>Mounting</b>	Via mounting flange at centre of gravity. Refer to QMS-00749_ICD.
<b>Construction</b>	Welded aluminium, powdercoat finish.

## Typical Antenna Gain / Factor & 3dB Beamwidth - at 1 metre

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.





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

