

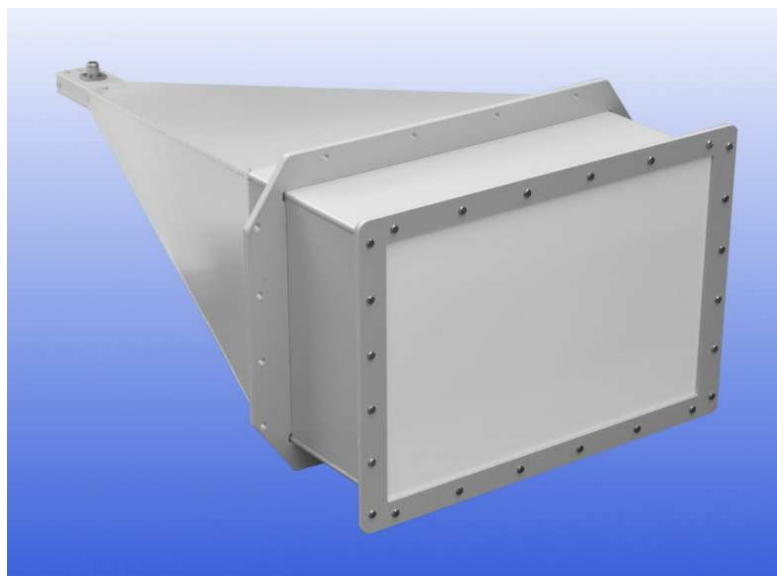
# 4 - 6 GHz Linearly Polarised 22 dBi Lensed Horn Antenna fitted with an N type Connector and Radome

**WG12 R48 WR187**

Catalogue number: **QSH-SL-4-6-N-22-R**

Q-par reference: **QMS-00748**

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**Typical Gain / Antenna Factor at 1 m**  
**Typical Beamwidth**  
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Test Report

KG 14/08/2014 0399

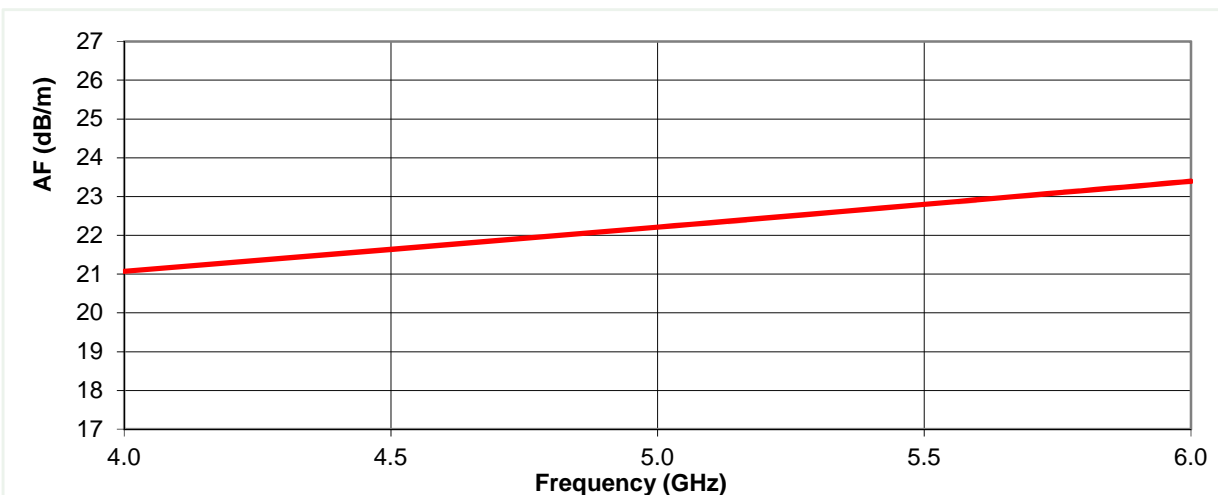
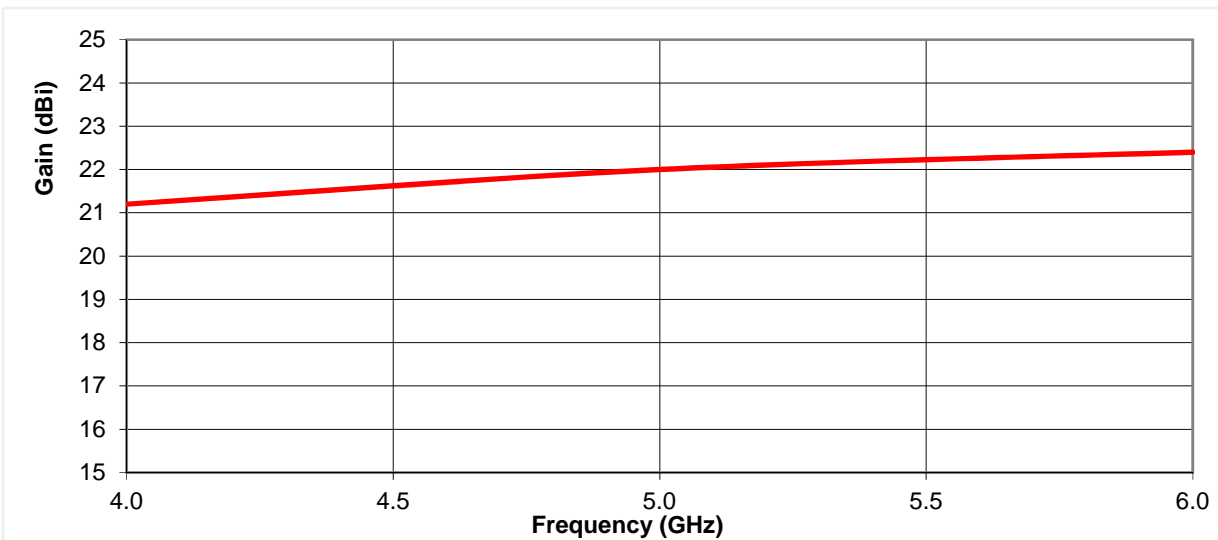


**Typical Specification**

<b>Frequency</b>	4 to 6 GHz
<b>Connector type</b>	N type jack
<b>Power Handling</b>	5 kW peak. 150 W c.w.
<b>VSWR</b>	Typically < 1.3:1. 1.5:1 Max.
<b>Gain</b>	21.2 to 22.4 dBi at one metre
<b>Antenna Factor</b>	21.1 to 23.4 dB/m
<b>3dB Beamwidth</b>	12 to 14 degrees at one metre
<b>Weight</b>	7.7 kg nominal
<b>Maximum size</b>	450 x 336 mm mount flange x 889 mm long
<b>Mounting</b>	Via 16 x 6.8 mm holes in flange on horn. Refer to QMS-00748_ICD.
<b>Construction</b>	Stainless steel, aluminium and engineering composites.

**Typical Antenna Gain / Factor at one 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.



### 3dB Beamwidth at one metre

Estimated tolerance is  $\pm 2$  degrees

