

8 - 12 GHz Linearly Polarised 15 dBi Horn Antenna fitted with an N type Connector and a Radome

Catalogue number **QSH-SL-8-12-N-15-R**

Q-par reference **QMS-00797**

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



Typical photograph. Finish according to customer specifications.

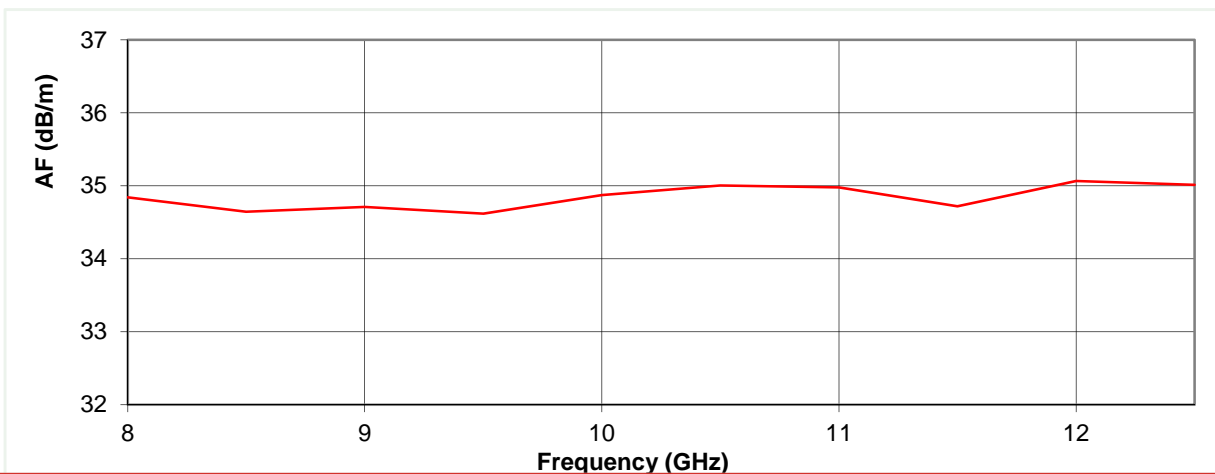
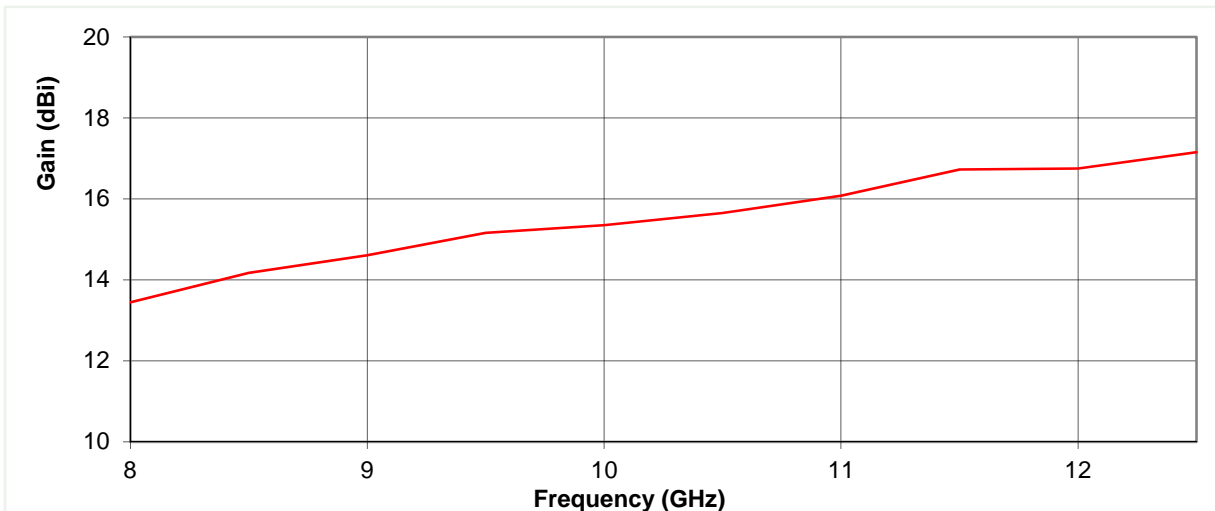


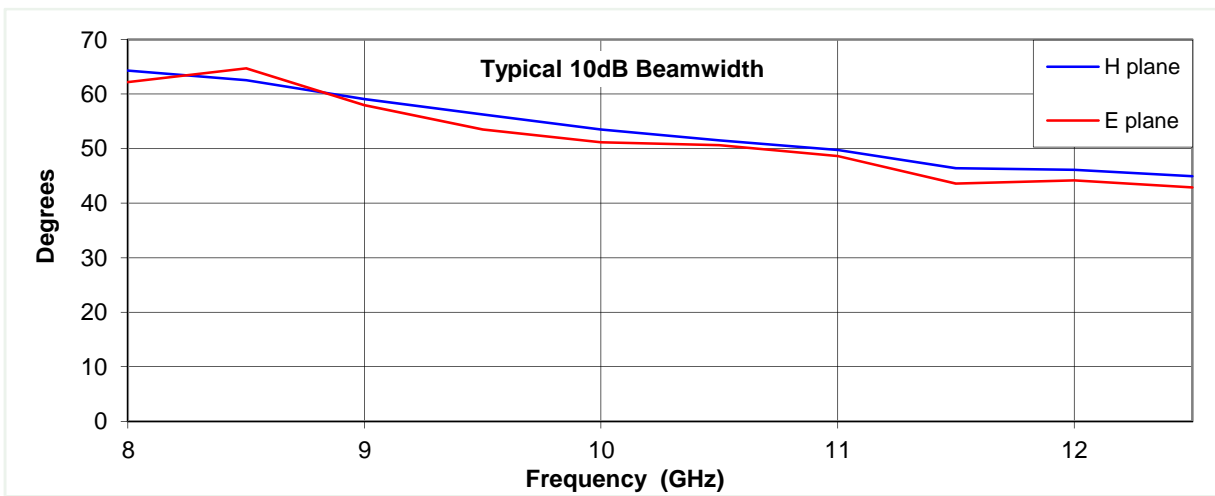
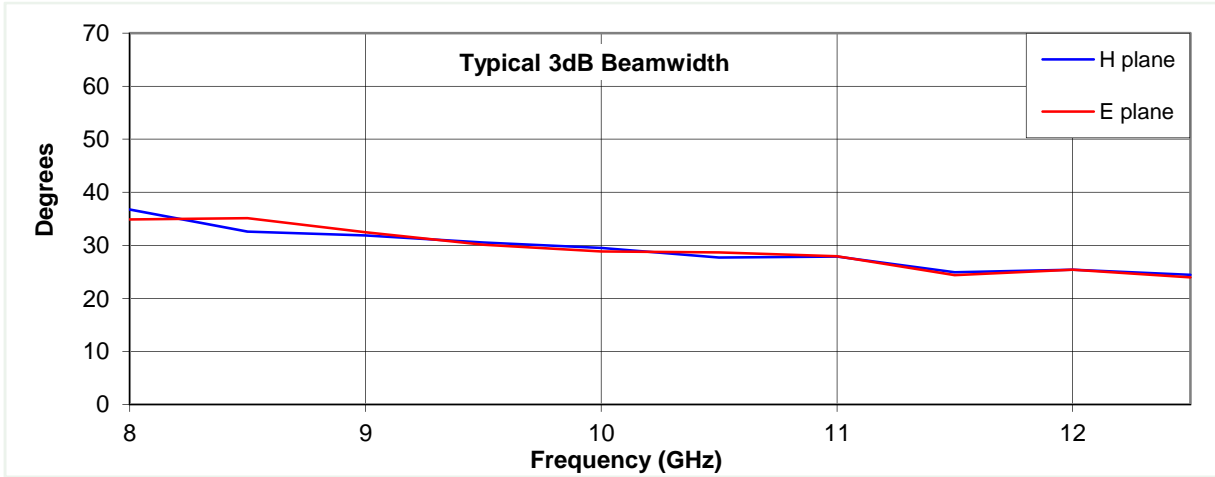
Typical Specification

Frequency	8 to 12.5 GHz
Connector Type	N type jack
Power Handling	40 Watt c.w.
VSWR	< 1.5:1
Gain	13.4 to 17.2 dBi
Antenna Factor	34.6 to 35.1 dB/m
3dB Beamwidth	24 to 37 degrees
10dB Beamwidth	43 to 65 degrees
Weight	220 g nominal
Maximum Size	90.5 x 72.5 mm external aperture x 118 mm long
Mounting	Mounting Plate 50 mm x 50 mm with 4 holes, diameter 4.1 mm, on 38 mm centres
Construction	Welded aluminium, painted. Anodised aluminium mounting plate

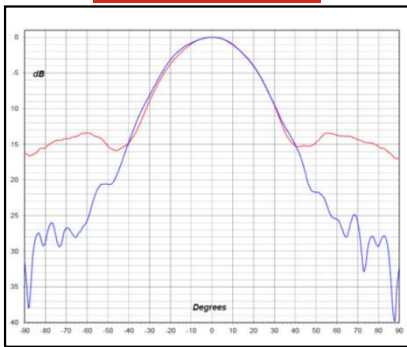
Typical Antenna Gain / Factor

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.

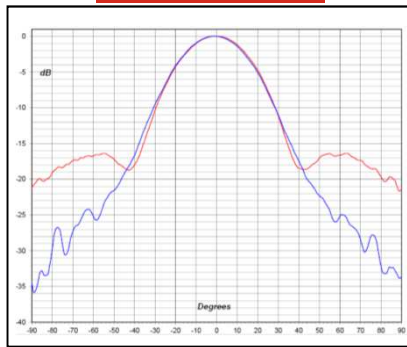




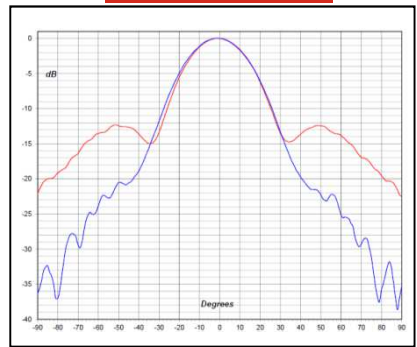
8.2GHz



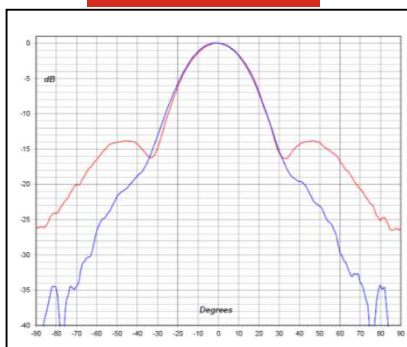
9 GHz



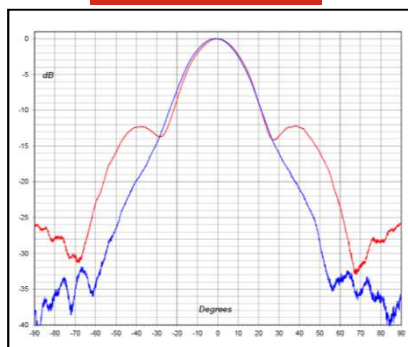
10 GHz



11 GHz



12.4 GHz



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

