

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

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

Q-par reference **QMS-00176**

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

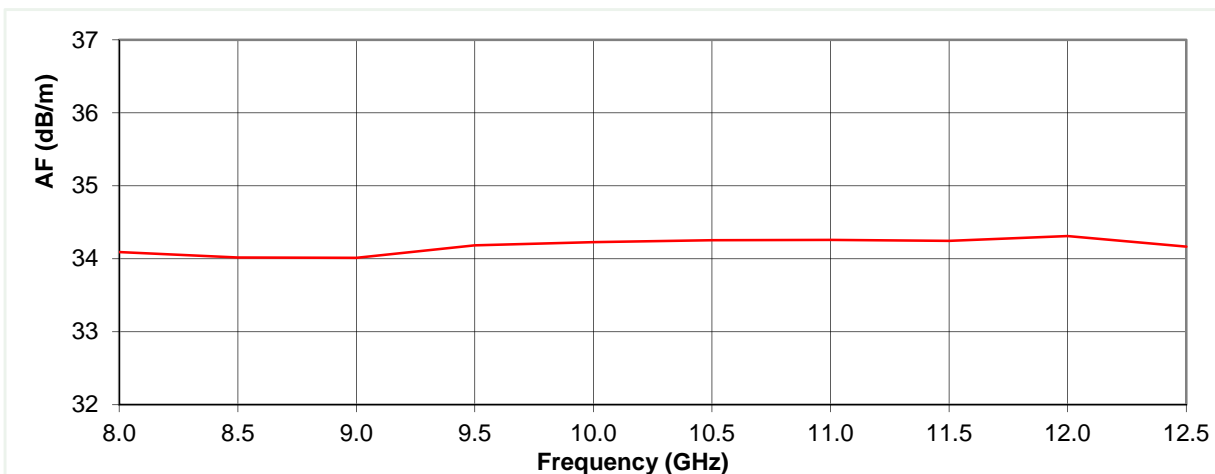
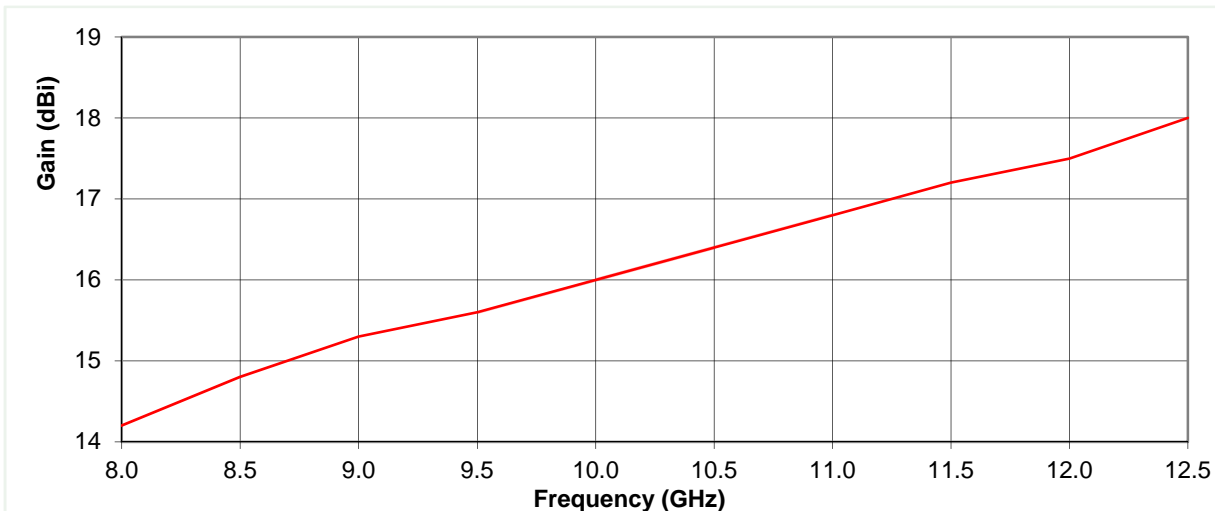


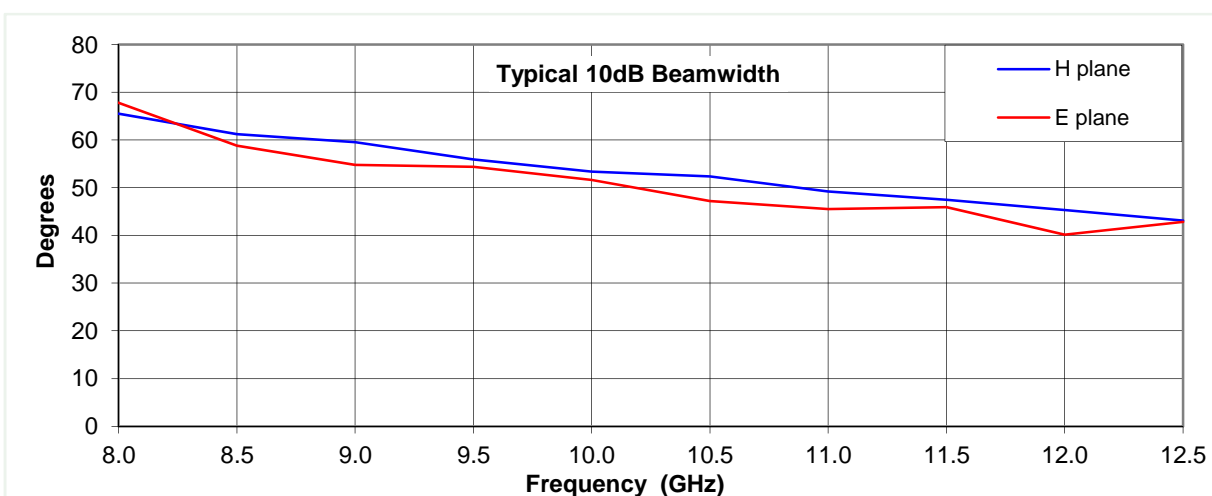
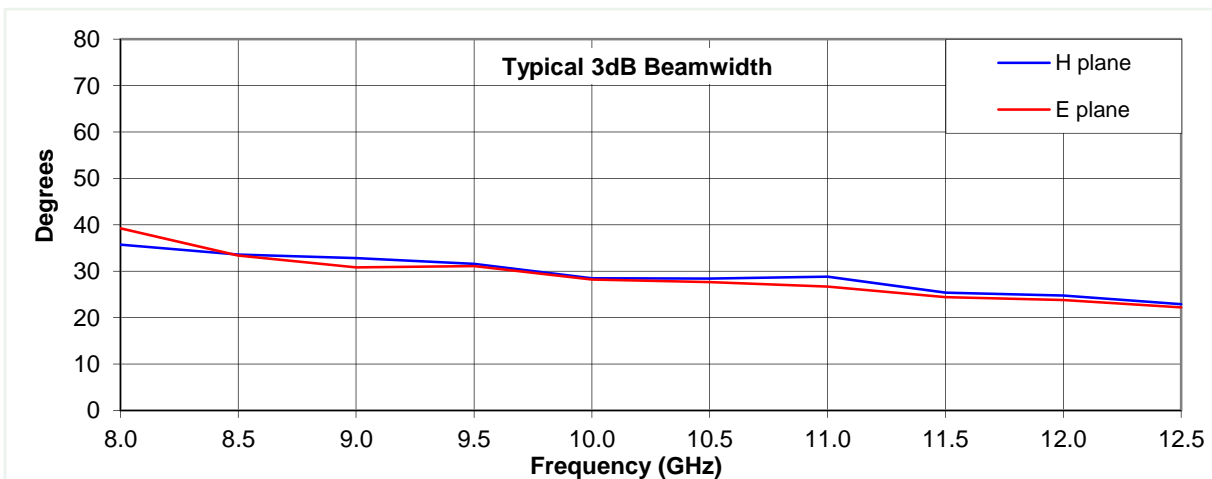
Typical Specification

Frequency	8 to 12.5 GHz
Connector Type	N type jack
Power Handling	100 Watt c.w.
VSWR	< 1.5:1
Gain	14.2 to 18 dBi
Antenna Factor	34 to 34.3 dB/m
3dB Beamwidth	22 to 39 degrees
10dB Beamwidth	40 to 68 degrees
Weight	350 g nominal
Maximum Size	83.3 x 66.2 mm aperture x 122.2 mm long
Mounting	4 holes, diameter 4.1 mm, 38 mm centres
Construction	Electroformed copper and engineering plastics, painted.

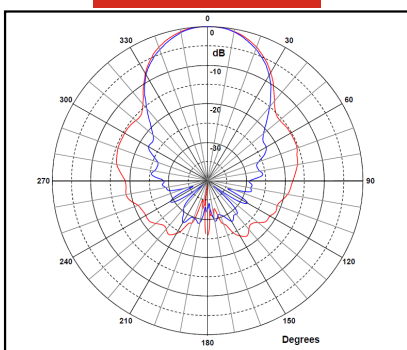
Typical Antenna Gain / Factor

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.

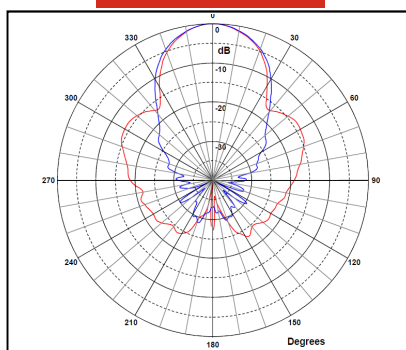




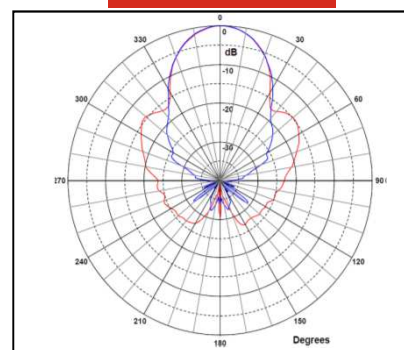
8 GHz



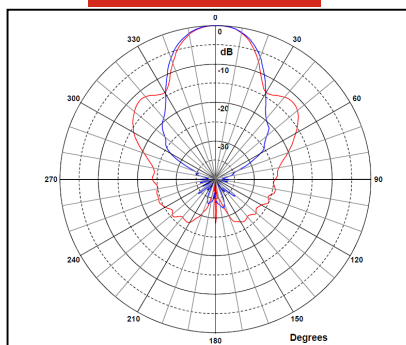
9 GHz



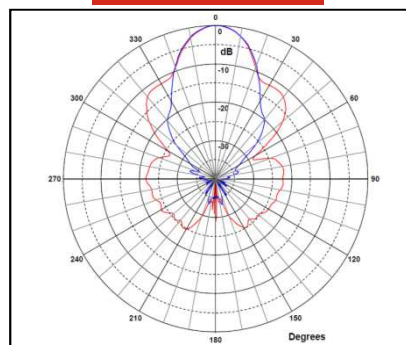
10 GHz



11 GHz



12.5 GHz



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

