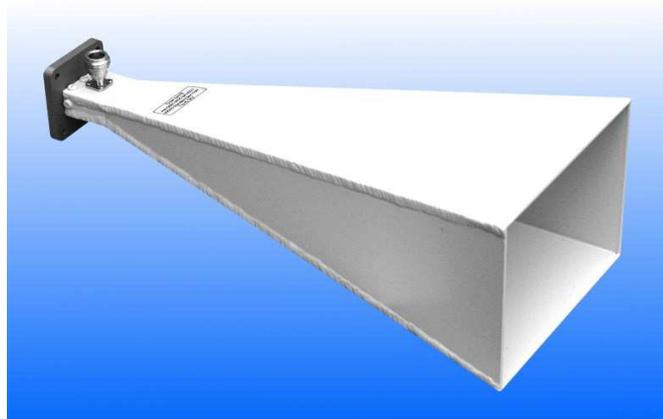


7 - 10 GHz Linearly Polarised 20 dBi Horn Antenna fitted with an N type Connector

Catalogue number **QSH-SL-7-10-N-20**

Q-par reference **QMS-00170**

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

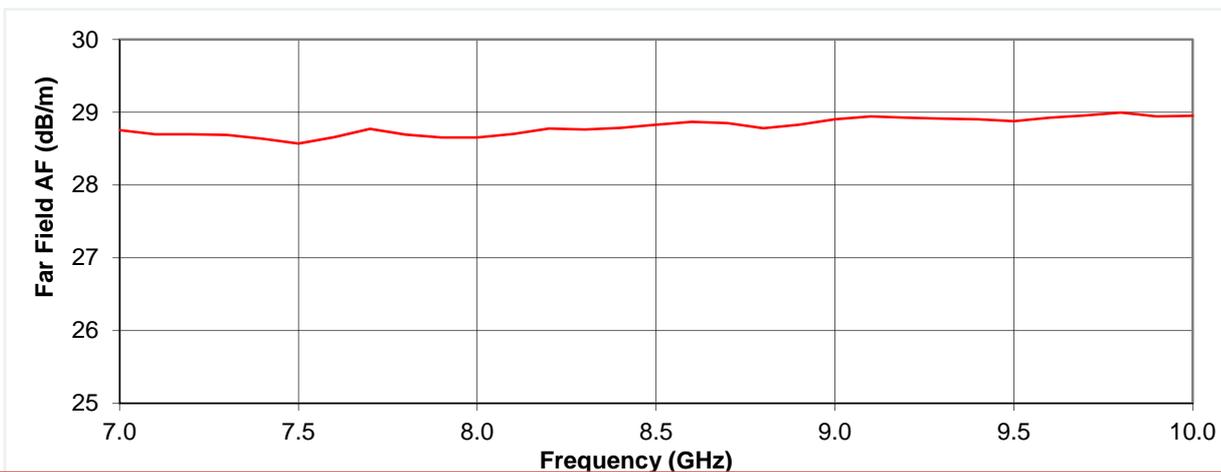
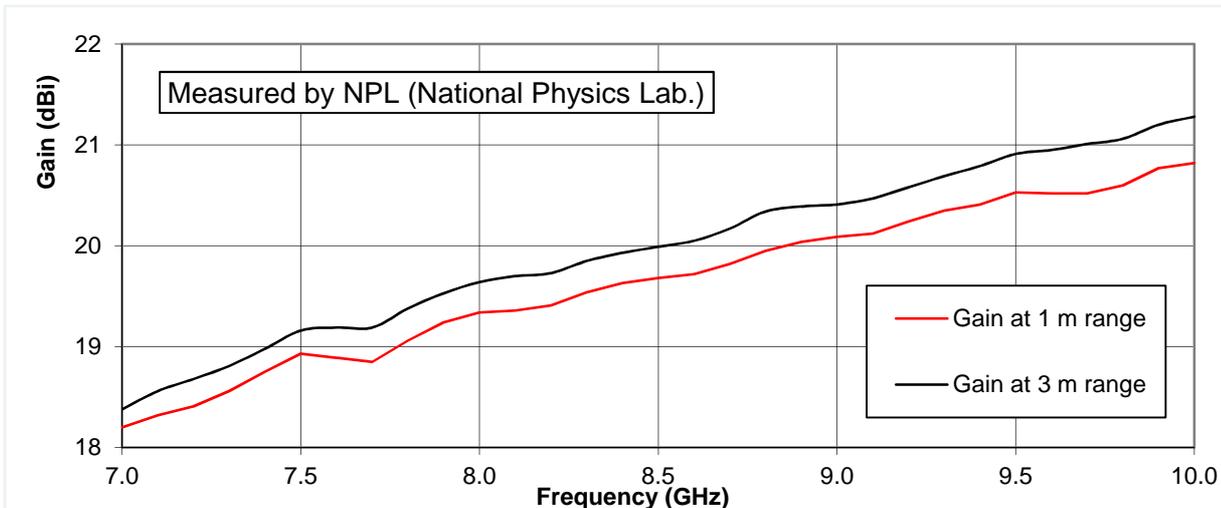


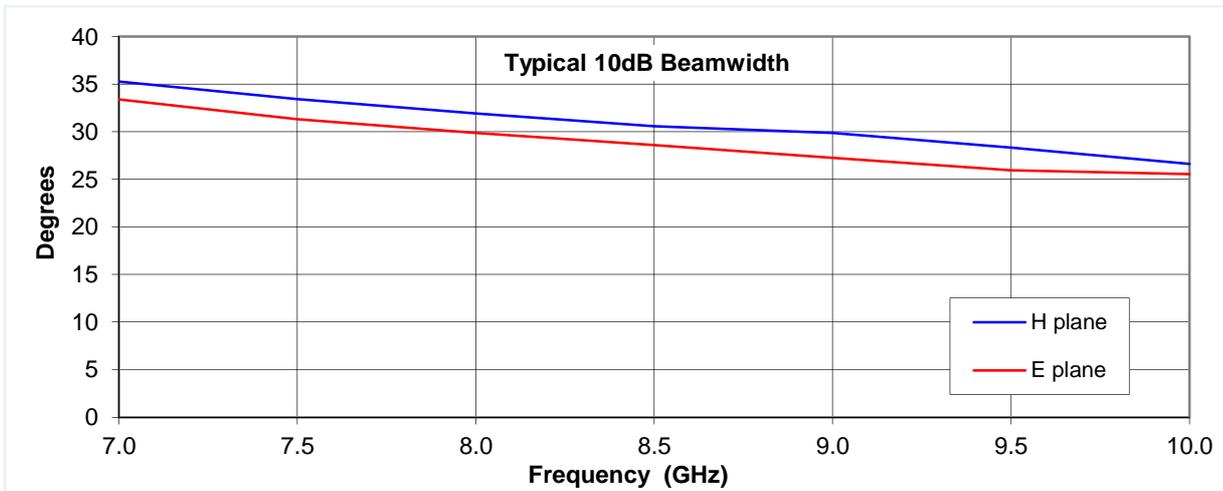
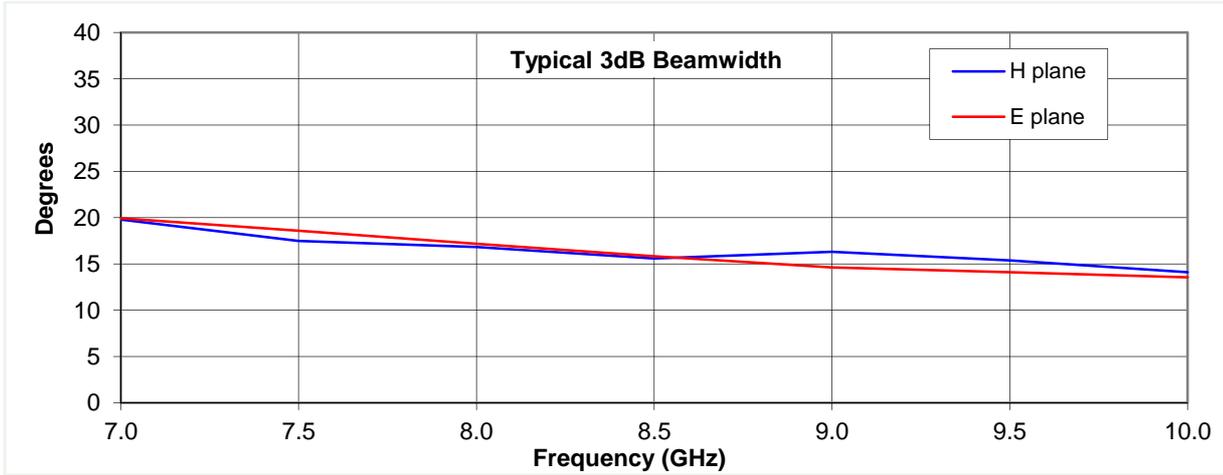
Typical Specification

Frequency	7 to 10 GHz
Connector Type	N type jack
Power Handling	100 Watt c.w.
VSWR	Typically < 1.4:1
Gain	18.4 to 21.3 dBi
Antenna Factor	28.6 to 29 dB/m
3dB Beamwidth	14 to 20 degrees
10dB Beamwidth	26 to 35 degrees
Weight	700 g nominal
Maximum Size	147 x 106 mm ext. aperture, 337 mm long
Mounting	Mounting plate 50 x 50 mm, with 4 holes, diameter 4.1mm, 38 mm centres
Construction	Welded aluminium, painted. Anodised aluminium mounting plate.

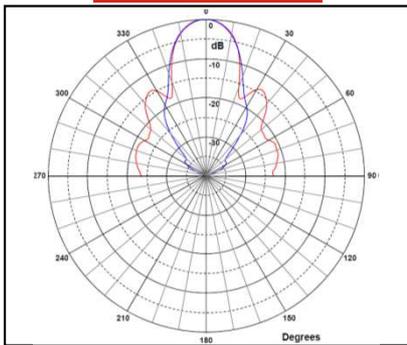
Typical Antenna Gain / Factor

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.

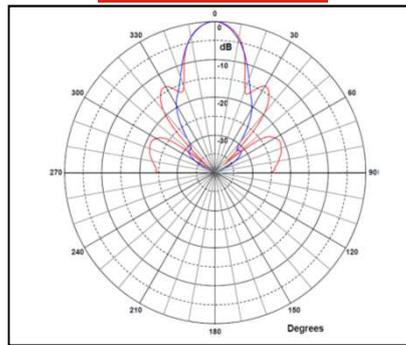




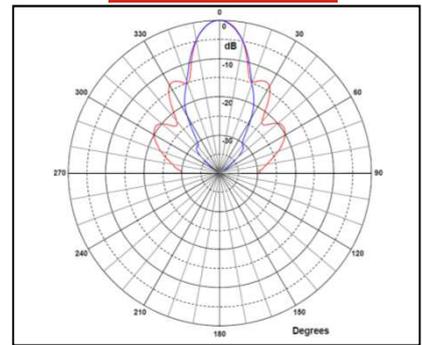
7.0 GHz



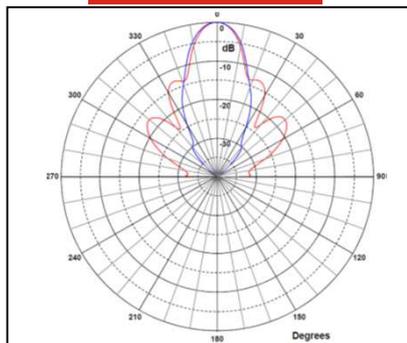
7.5 GHz



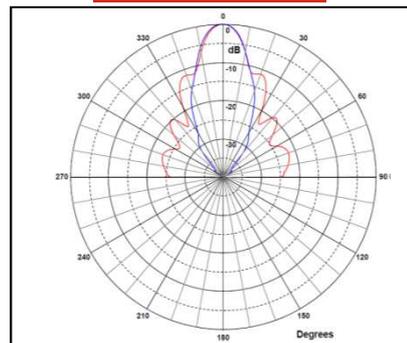
8.5 GHz



9 GHz



10 GHz



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

