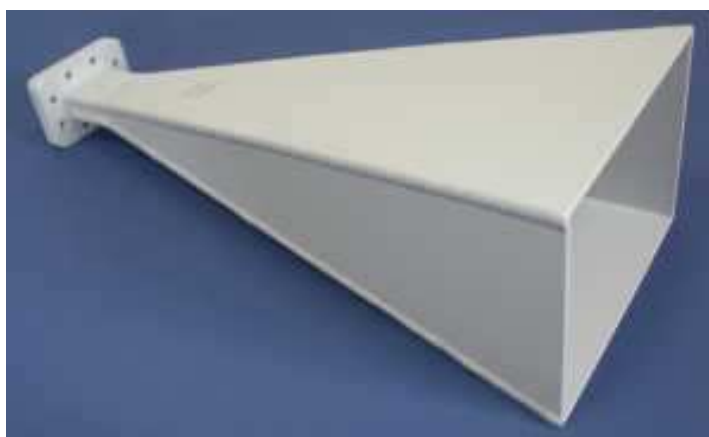


7 - 10 GHz Linearly Polarised 20 dBi Horn Antenna fitted with a WG15 / WR112 Flange

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

Q-par reference **QMS-00866**

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

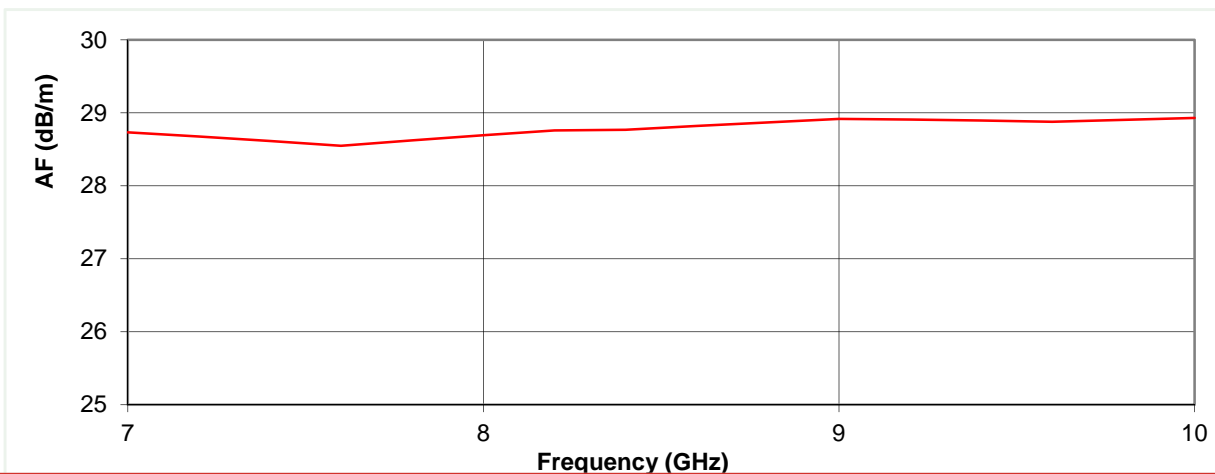
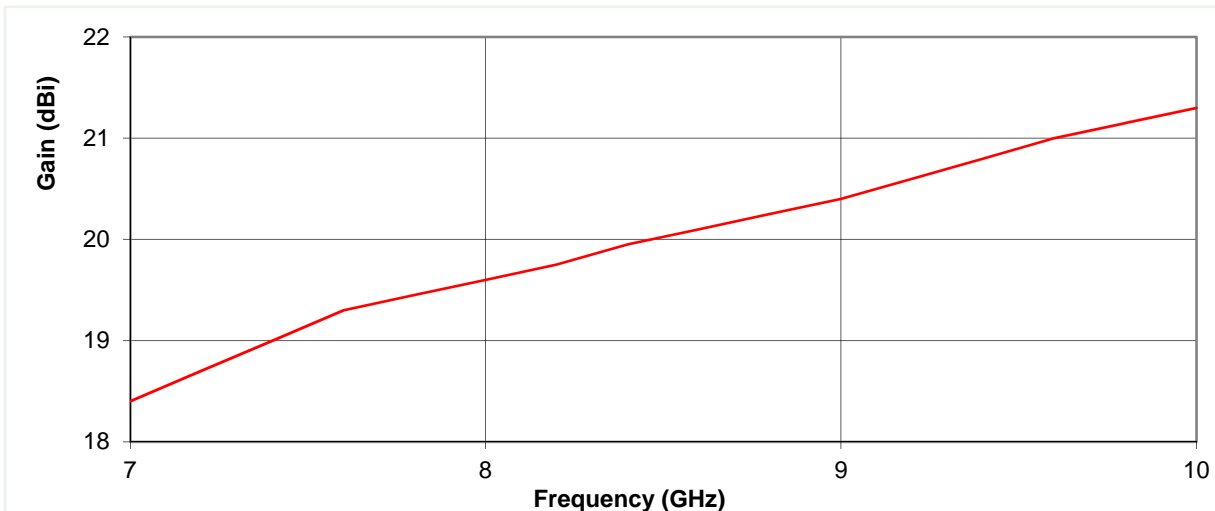


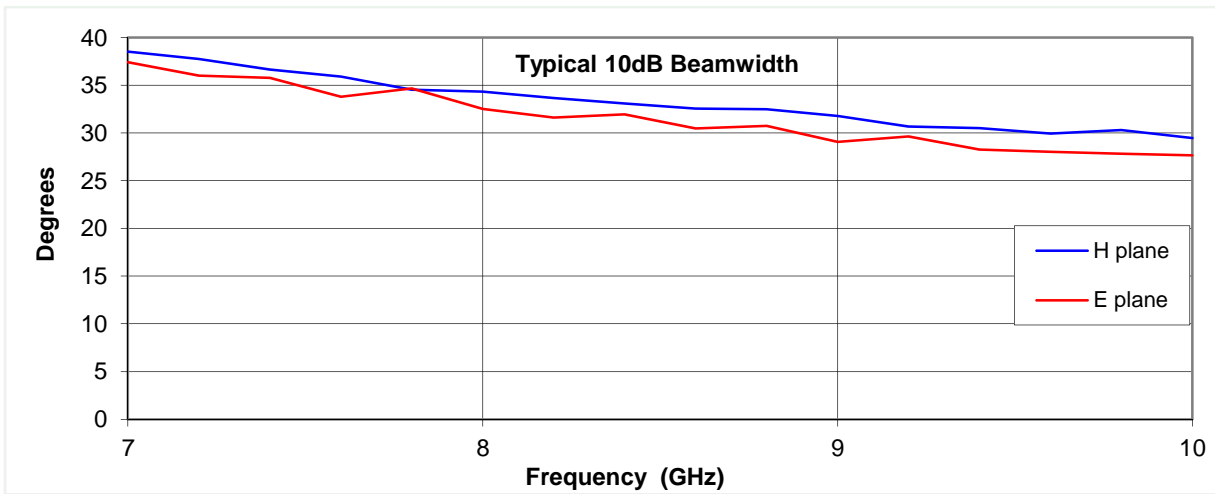
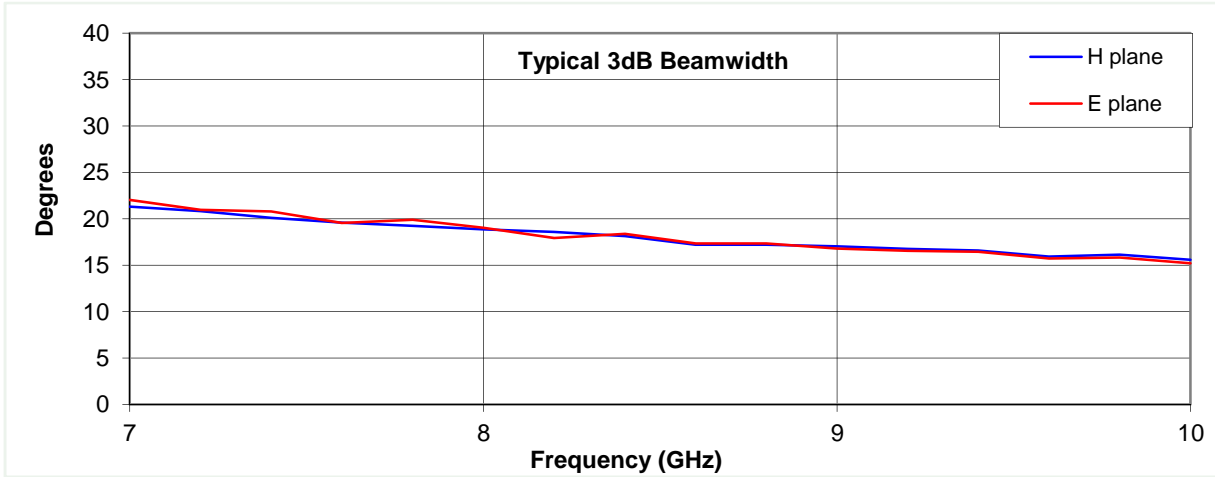
Typical Specification

Frequency	7 to 10 GHz
Connector Type	Waveguide 15 (WR112) flange
Power Handling	1280 kW peak, 4.8 kW mean
VSWR	< 1.14:1
Gain	18.4 to 21.3 dBi
Antenna Factor	28.5 to 28.9 dB/m
3dB Beamwidth	15 to 22 degrees
10dB Beamwidth	28 to 39 degrees
Weight	720 g nominal
Maximum Size	147 x 105 mm external aperture x 330 mm overall length
Mounting	Waveguide 15 (WR112) flange - Part number CPR112F or UG1735/U
Construction	Welded aluminium, powdercoat finish

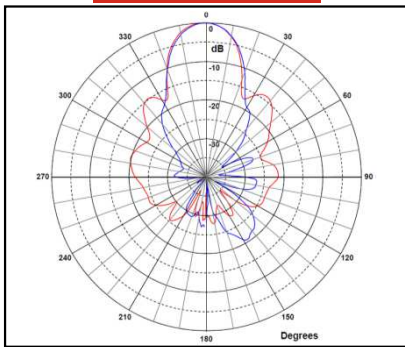
Typical Antenna Gain / Factor

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.

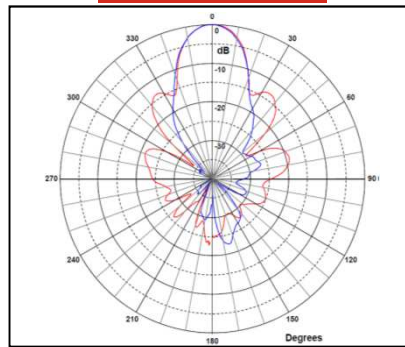




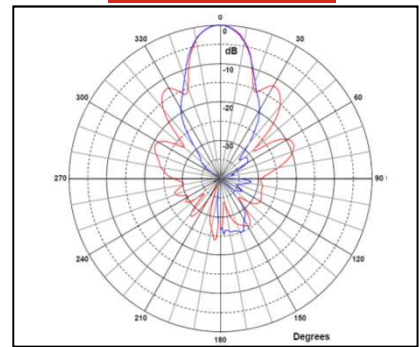
7 GHz



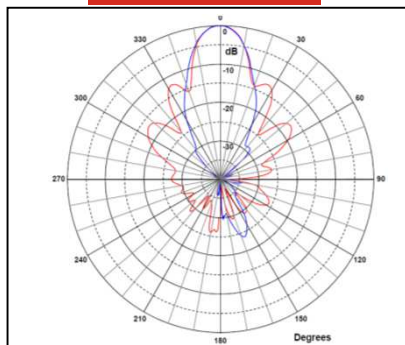
7.4 GHz



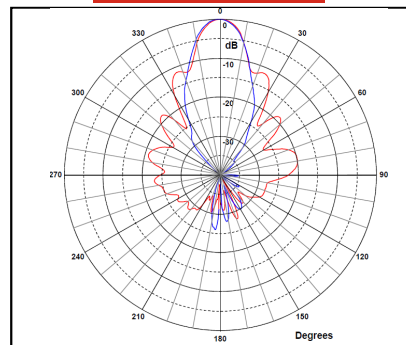
8 GHz



9 GHz



10 GHz



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

