

Customer specific 6.5 - 18 GHz Linearly Polarised High Gain Wideband Ridged Horn Antenna fitted with a Waveguide Flange and bracket

Catalogue number **QWH-SL-6.5-18-F-HG-CS**

Q-par reference **QMS-00732**

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

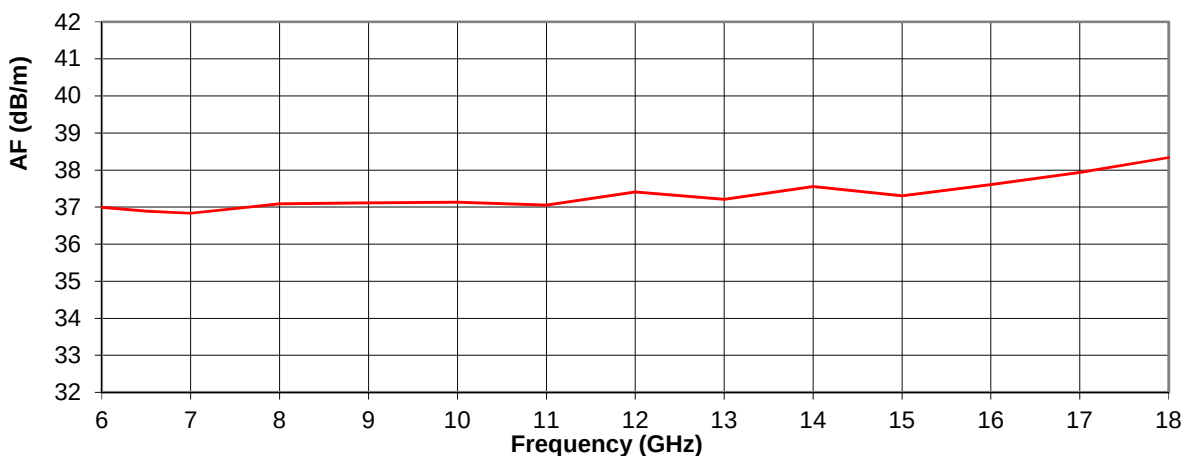
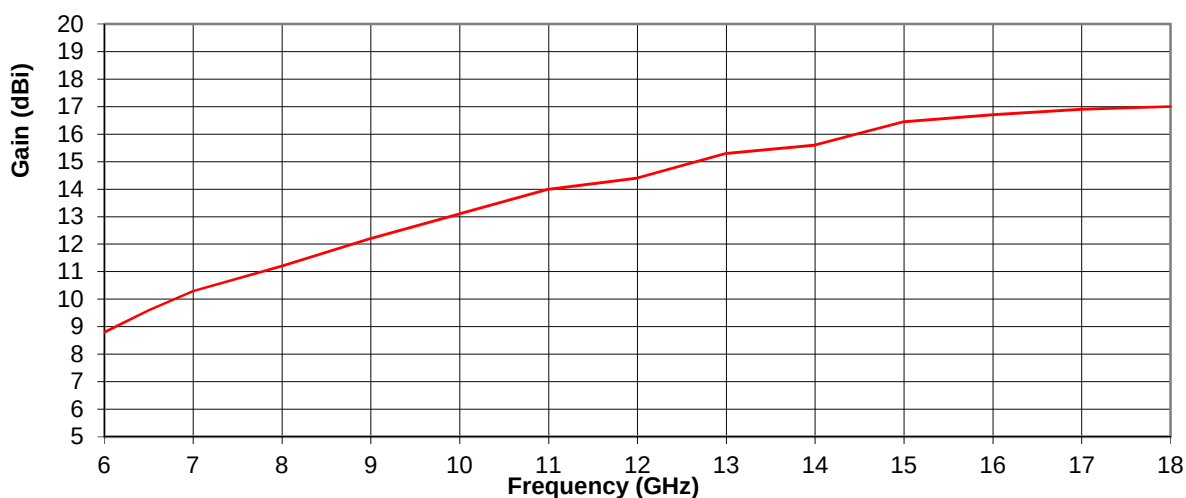


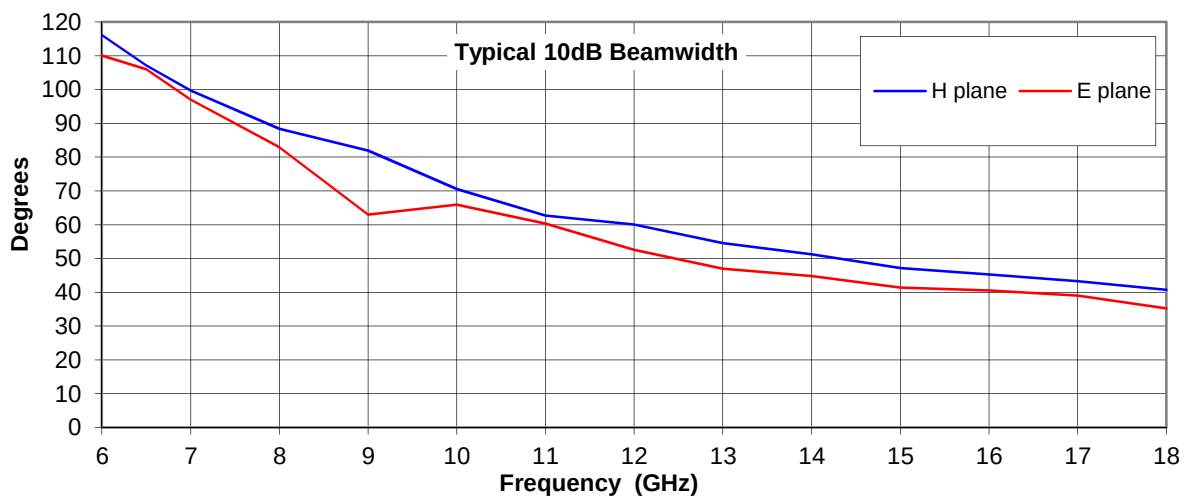
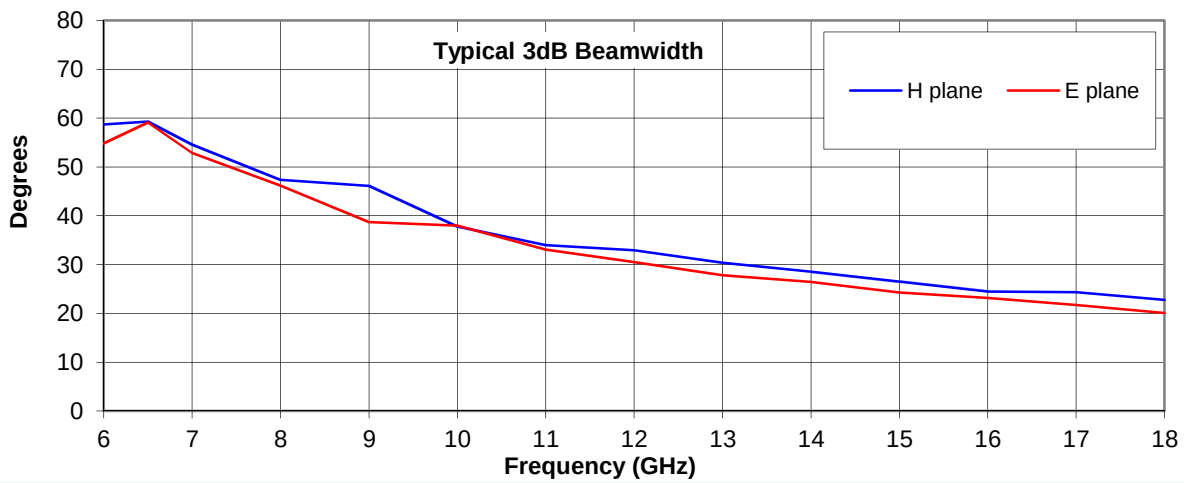
Typical Specification

Frequency	6.5 to 18 GHz
Connector type	WRD650 flange
Power Handling	4 kW c.w.
VSWR	< 1.3 : 1
Gain	9.6 to 17.1 dBi
Antenna Factor	37 to 38.3 dB/m
3dB Beamwidth	20 to 59 degrees
10dB Beamwidth	35 to 107 degrees
Weight	330 g nominal
Maximum size	55 mm x 45 mm external aperture x 175 mm long
Mounting	2 holes, tapped M3, 24 mm centres
Construction	Electroformed copper and brass, painted

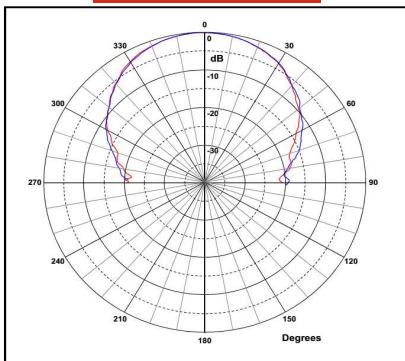
Typical Antenna Gain / Factor

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.

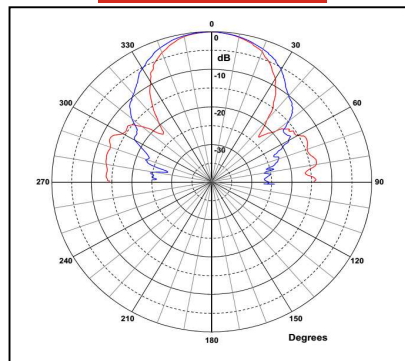




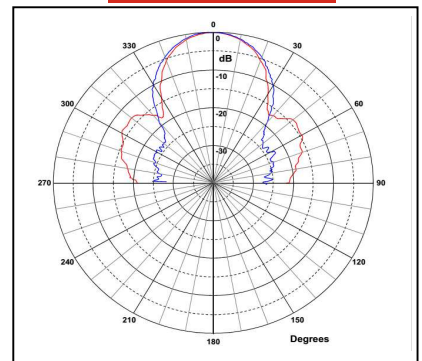
6.5 GHz



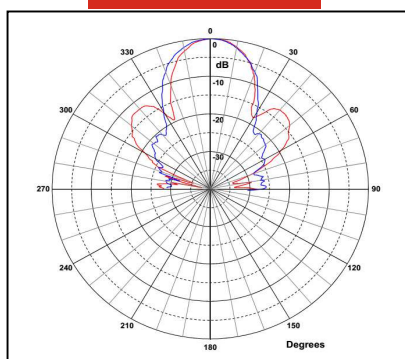
9 GHz



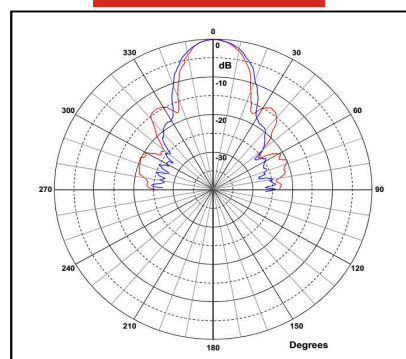
12 GHz



15 GHz



18 GHz



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