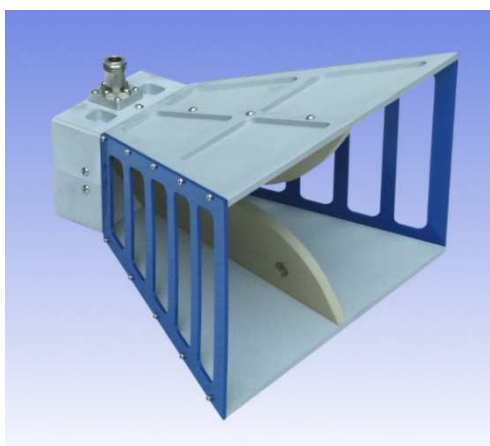


0.8 to 18 GHz Linearly Polarised Wideband Ridged Horn Antenna fitted with an N type Connector

Catalogue number **QWH-SL-0.8-18-N-SG**

Q-par reference **QMS-00811**

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

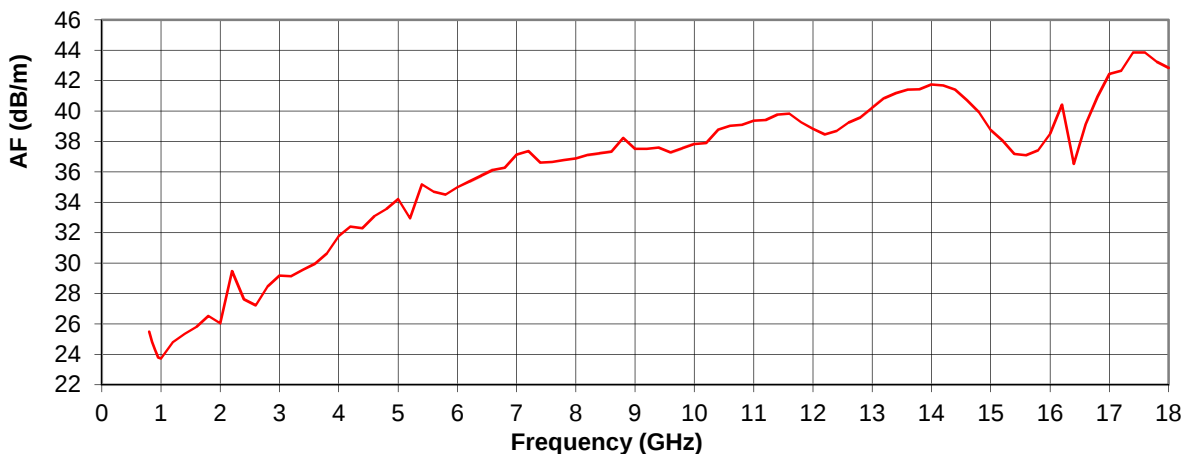
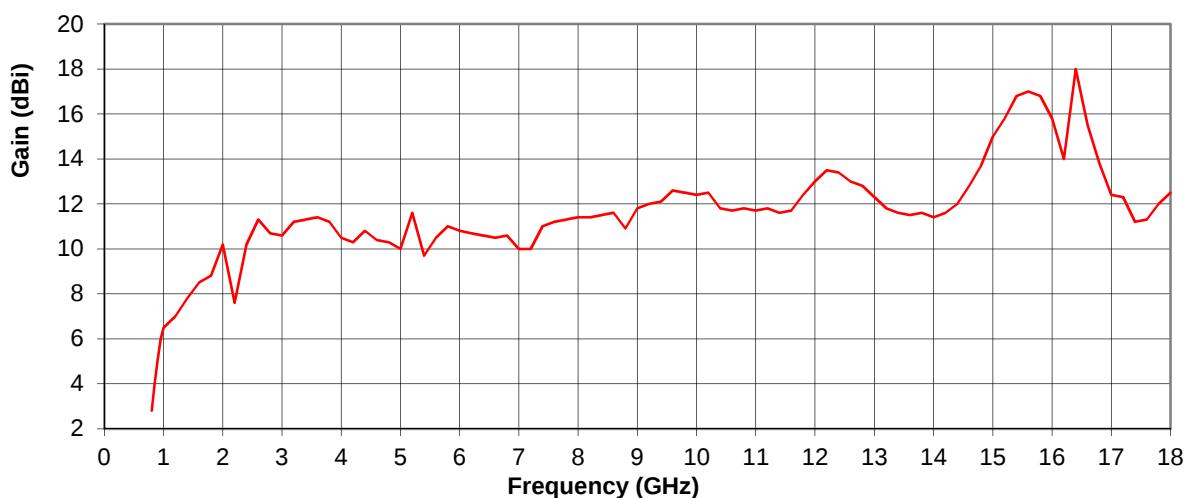


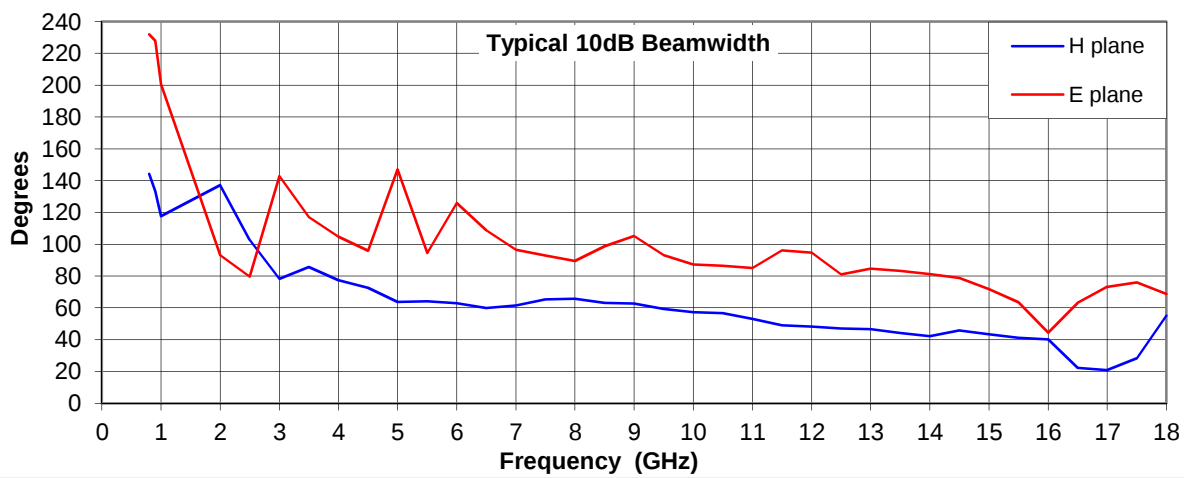
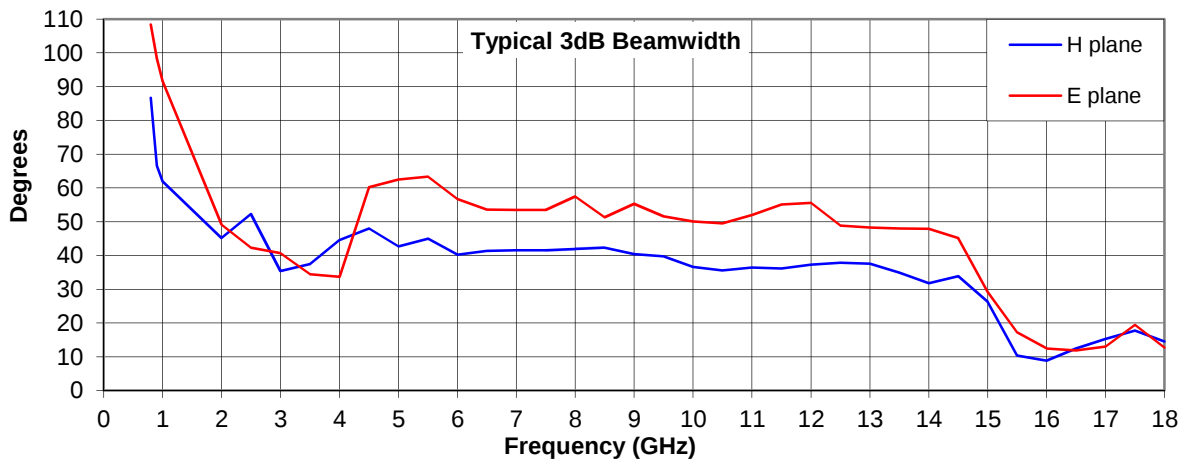
Typical Specification

Frequency	0.8 to 18 GHz
Connector Type	N type jack
Power Handling	500 Watt c.w. at 1 GHz
VSWR	< 2.0:1 2 to 18 GHz < 4:1 0.8 to 2 GHz
Gain	2.8 to 18 dBi
Antenna Factor	23.7 to 43.8 dB/m
3dB Beamwidth	9 to 108 degrees
10dB Beamwidth	21 to 232 degrees
Weight	1.3 kg nominal
Maximum Size	246 x 147 x 203 mm excluding mounting bracket
Mounting	1 x M8 tapped hole plus 8 x M5 tapped holes, 40 mm pitch circle diameter. Angle mount bracket also supplied.
Construction	Aluminium with painted sides. Stainless steel connector.

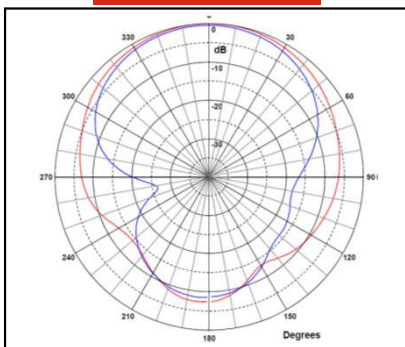
Typical Antenna Gain / Factor

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.

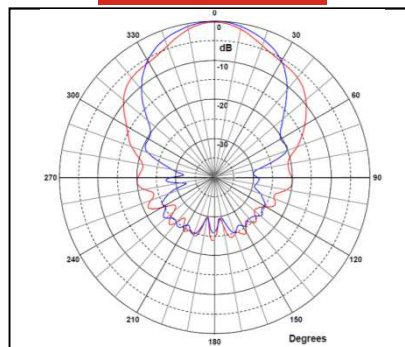




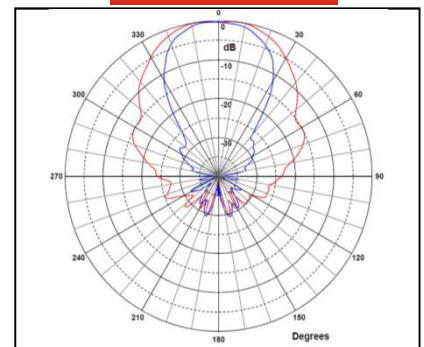
0.8GHz



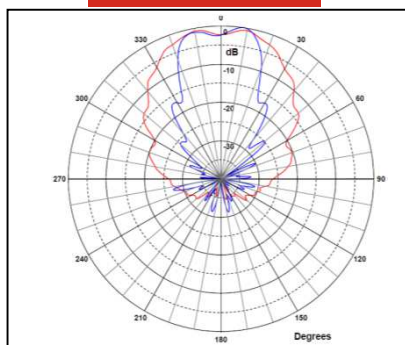
4 GHz



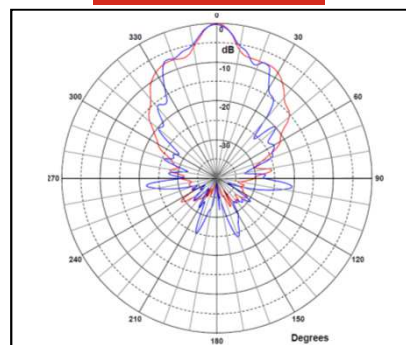
10 GHz



14 GHz



18 GHz



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