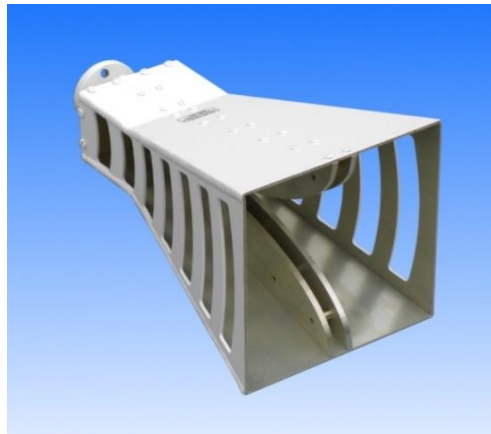


1 - 8 GHz Linearly Polarised Wideband High Power Ridged Horn Antenna fitted with a 7/8 IEC / EIA type Connector

Catalogue number **QWH-SL-1-8-B-SG**

Q-par reference **QMS-00058**

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

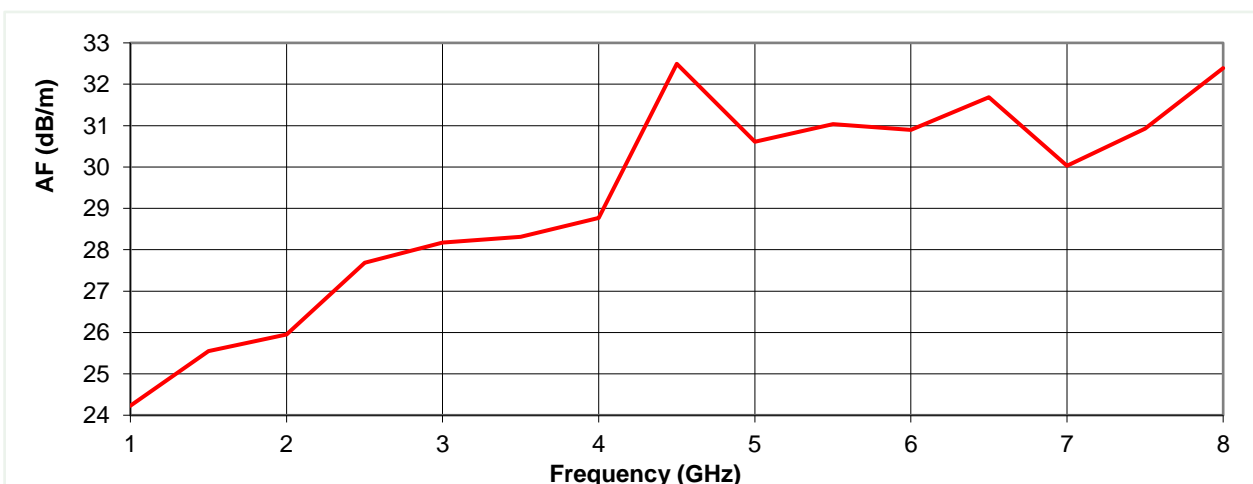
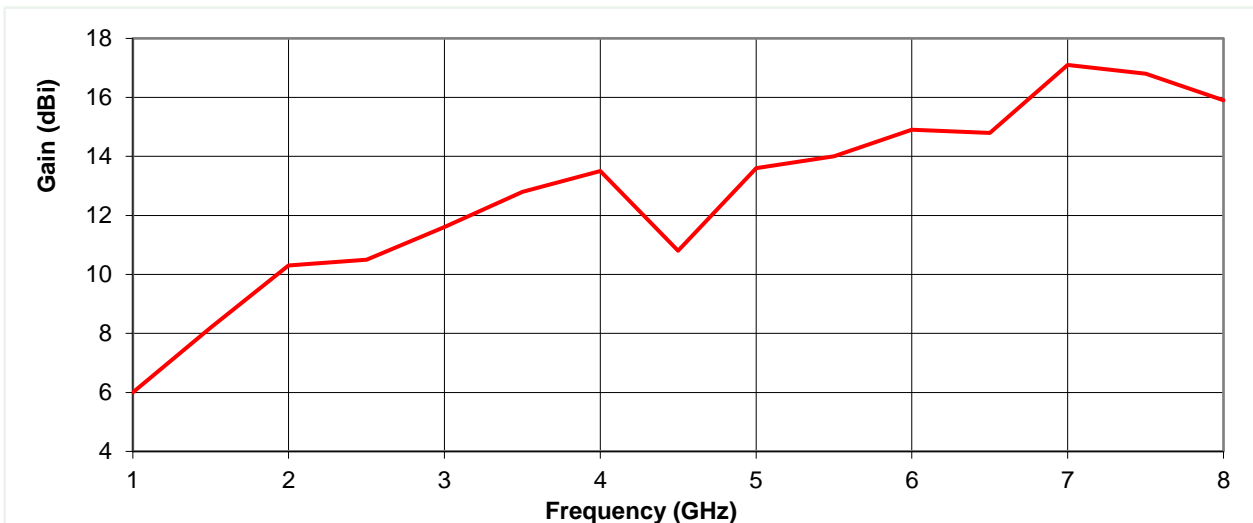


Typical Specification

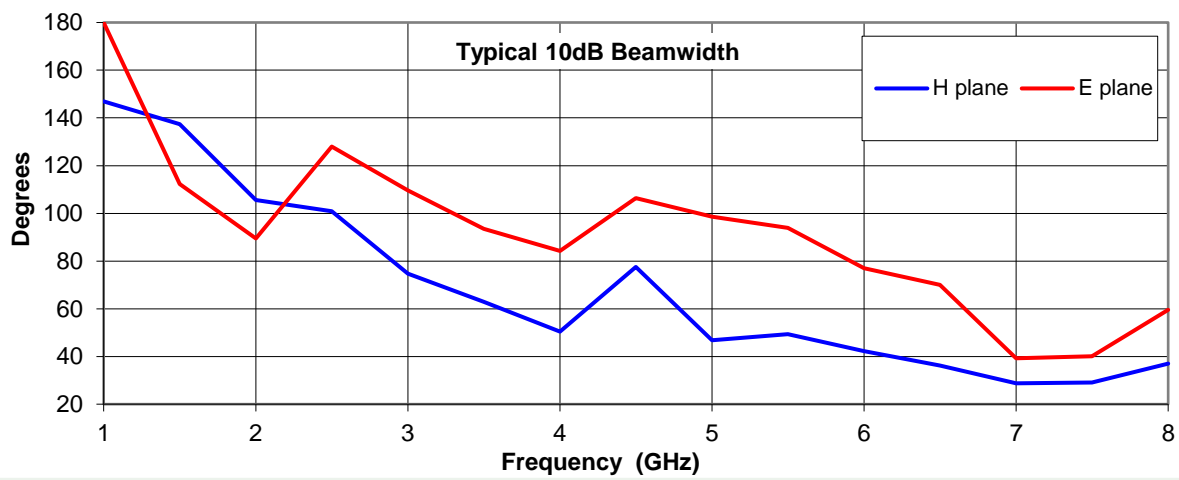
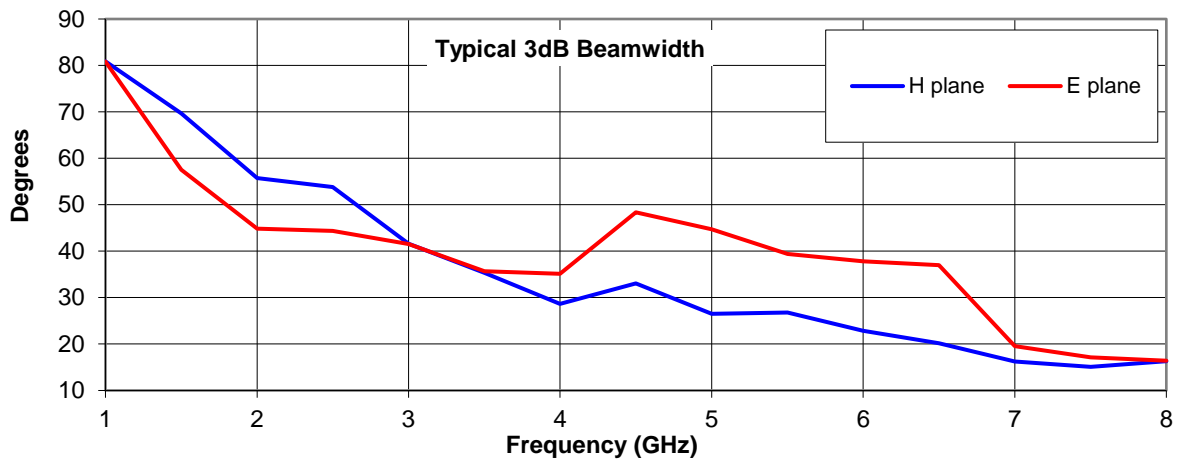
Frequency	1 to 8 GHz
Connector Type	7/8 IEC / EIA female
Power Handling	1.5 kW c.w.
VSWR	Typically < 1.4:1 (1.7:1 maximum)
Gain	6 to 17.1 dBi
Antenna Factor	24.2 to 32.5 dB/m
3dB Beamwidth	15 to 81 degrees
10dB Beamwidth	29 to 180 degrees
Weight	1.7 kg - nominal
Maximum Size	186 x 184 mm aperture x 324 mm long
Mounting	Via 7/8 IEC connector flange
Construction	Aluminium

Typical Antenna Gain / Factor

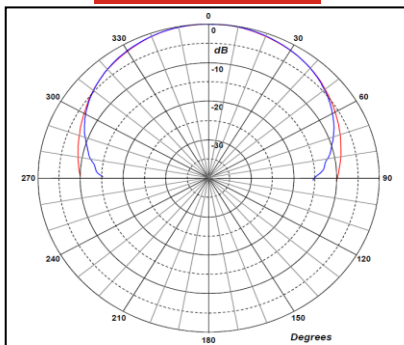
This is calculated by reference to standard gain horn antennas, and cross checked with reference to the antenna beamwidth, with an estimated error of +/- 0.8dB.



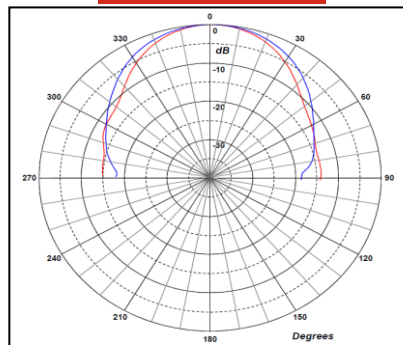
Typical Beamwidth / Radiation Patterns



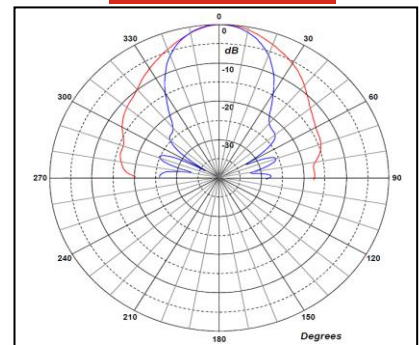
1 GHz



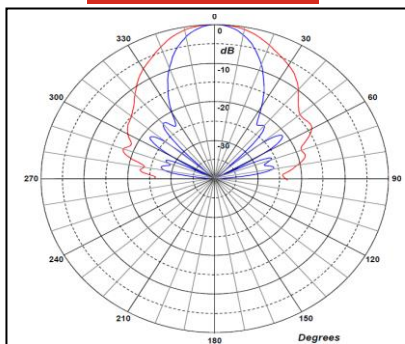
2 GHz



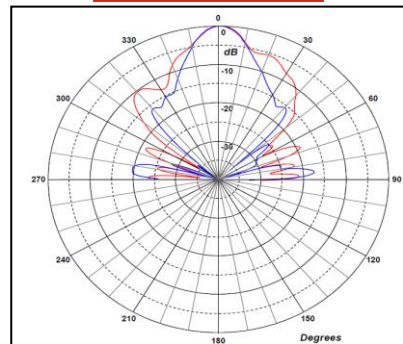
4 GHz



6 GHz



8 GHz



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