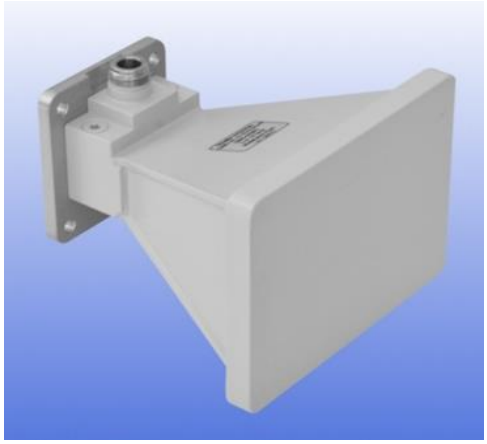
2 - 18 GHz Linearly Polarised Wideband Ridged Horn Antenna fitted with an N type Connector and Radome

Catalogue number **QWH-SL-2-18-N-SG-R**

Steatite reference **QMS-00002**

Contents



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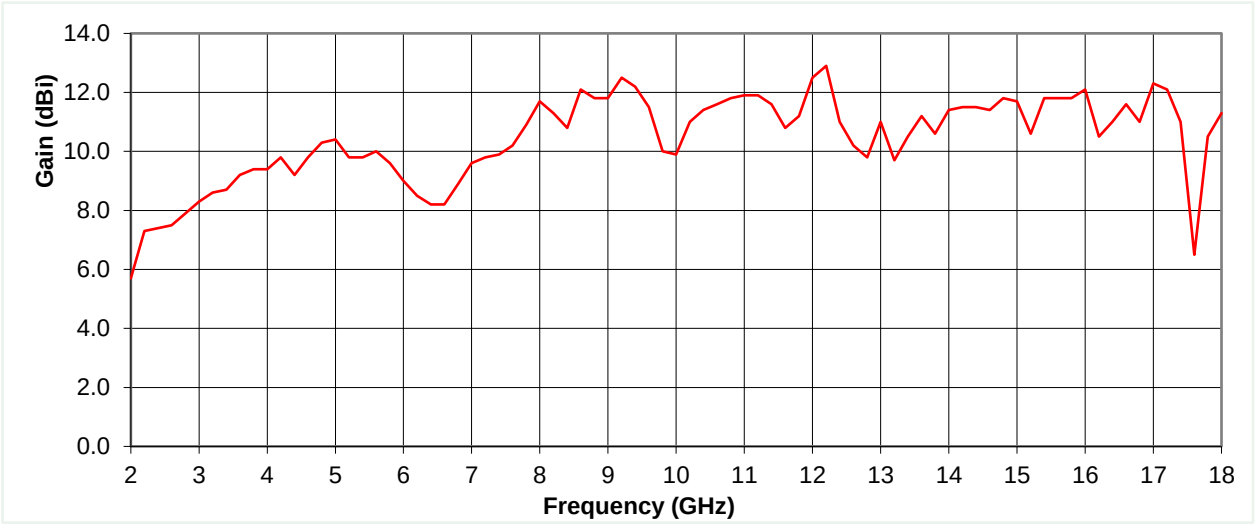
A SOLID STATE COMPANY
ISO 9001 : 2015

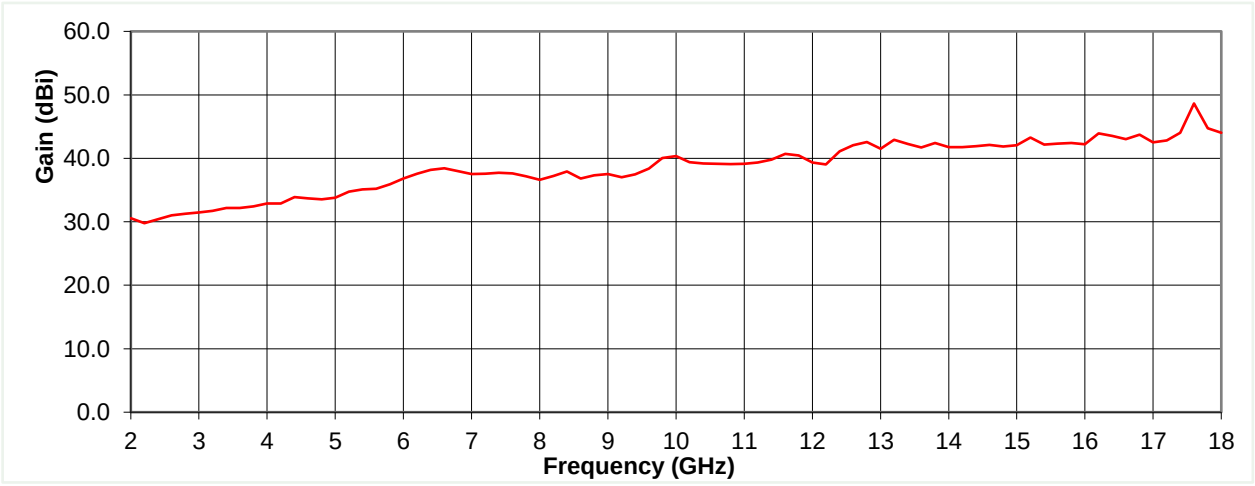
Typical Specification

Frequency	2 to 18 GHz
Connector Type	N type jack
Power Handling	50 Watt c.w.
VSWR	< 2.5:1 (<-7.4 dB Return loss)
Gain	5.7 to 12.9 dBi
Antenna Factor	29.8 to 48.6 dB/m
3dB Beamwidth	11 to 121 degrees
10dB Beamwidth	31 to 226 degrees
Weight	410 gms
Maximum Size	118 mm x 85 mm x 118 mm long
Mounting	Rear mount plate, 4 holes diameter 5.1 mm, 50 mm centres
Construction	Aluminium and engineering plastics, painted. Anodised aluminium mounting plate.

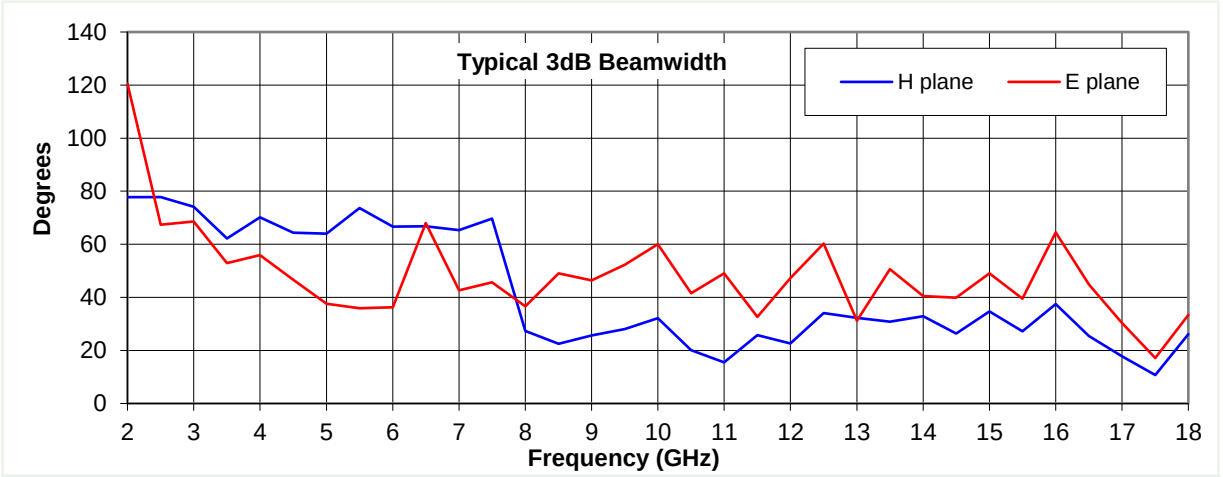
Typical Antenna Gain / Factor

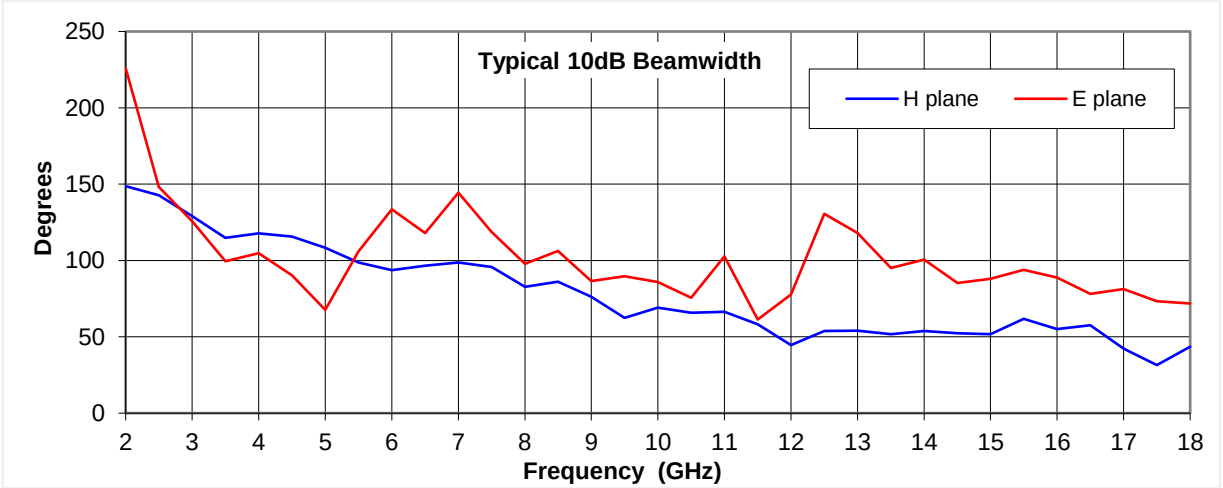
This is calculated by reference to standard gain horn antennas, and cross checked with reference to the antenna beamwidth, with an estimated error of +/- 0.8dB.



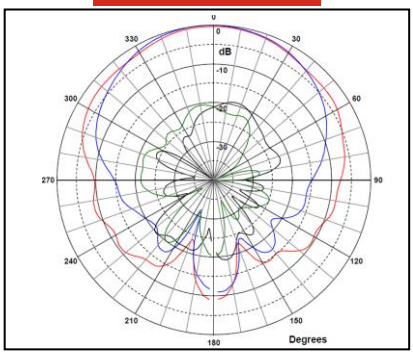


Typical Beamwidth / Radiation Patterns

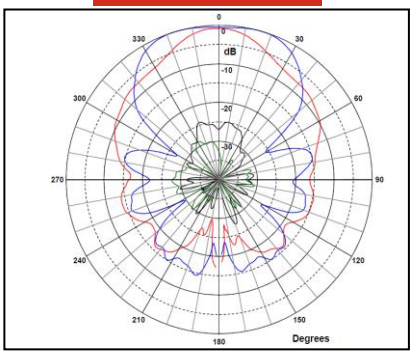




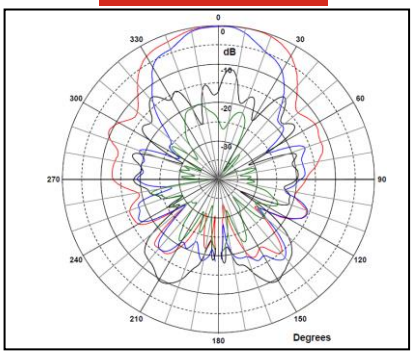
2 GHz



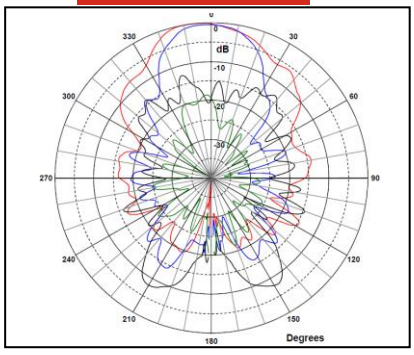
6 GHz



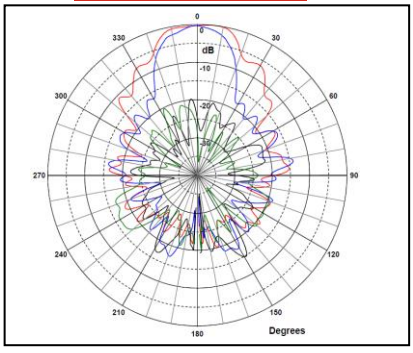
10 GHz



14 GHz



18 GHz



Red trace = E-plane, Blue trace = H-plane cut,
Black = E plane cross polar,
Green = H plane cross polar