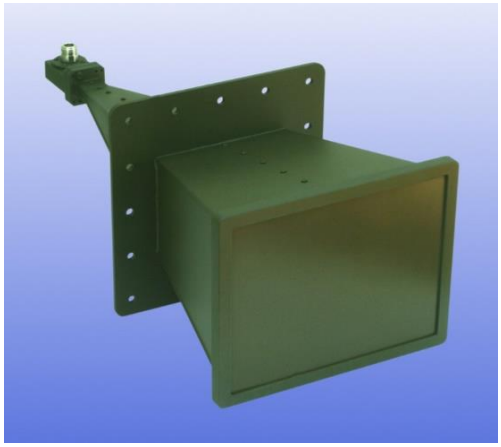
6.5 - 18 GHz Linearly Polarised High Gain Wideband Ridged Horn Antenna fitted with an N type Connector and Radome

Catalogue number **QWH-SL-6.5-18-N-HG-R**

Steatite reference **QMS-00881**

Contents



(Photo for indication only - standard colour RAL 7035 grey)

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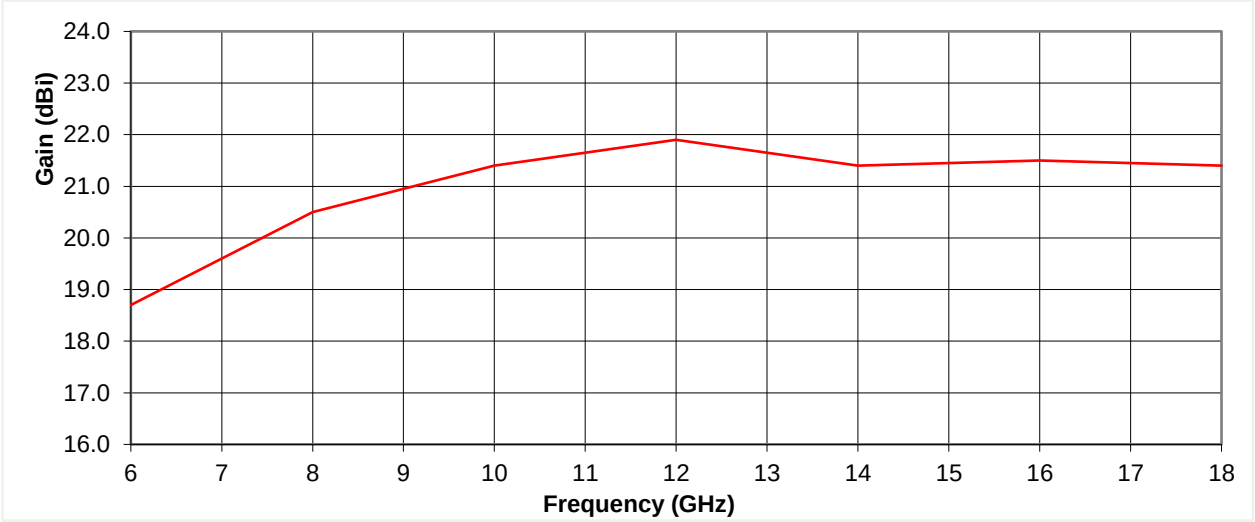
A SOLID STATE COMPANY
ISO 9001 : 2015

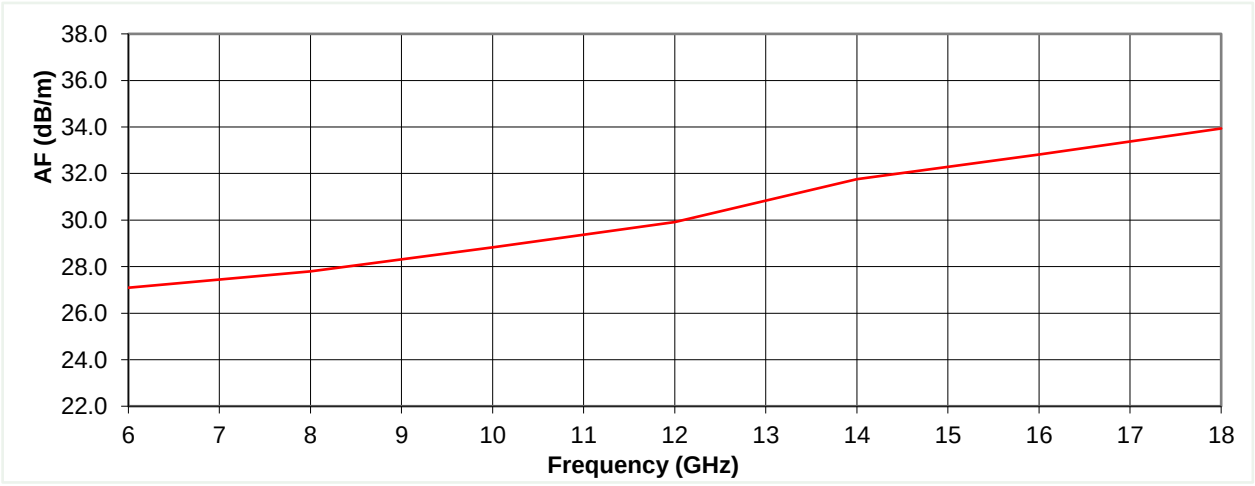
Typical Specification

Frequency	6.5 to 18 GHz
Connector Type	N-type (Female)
Power Handling	400W CW
VSWR	< 1.5:1
Gain	18.7 to 21.9 dBi
Antenna Factor	27.1 to 33.9 dB/m
3dB Beamwidth	11 to 21 degrees
10dB Beamwidth	21 to 42 degrees
Weight	3.7kg nominal
Maximum Size	479mm x 200mm x 190mm
Mounting	16x Ø6.2 thru holes on mounting flange - see ICD for more details
Construction	Brass, aluminium and engineering plastics; paint and anodised finish.

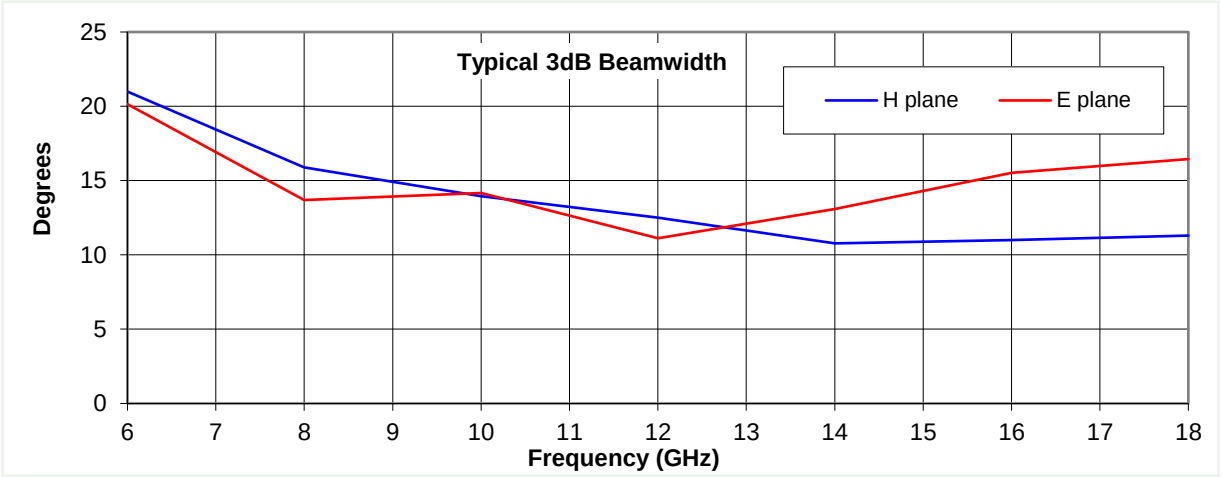
Typical Antenna Gain / Factor

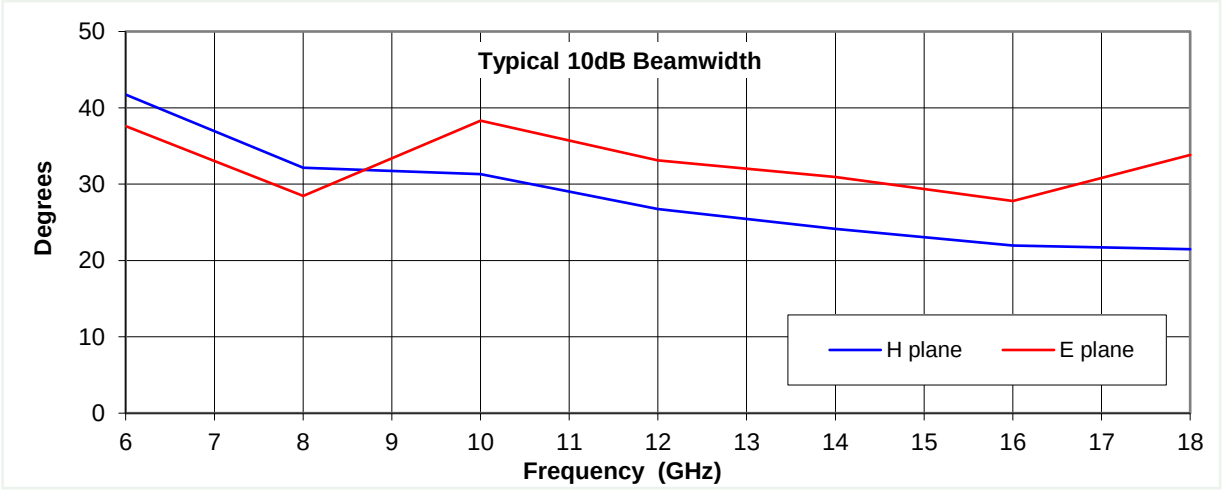
This is calculated by reference to standard gain horn antennas, and cross checked with reference to the antenna beamwidth, with an estimated error of +/- 0.8dB.



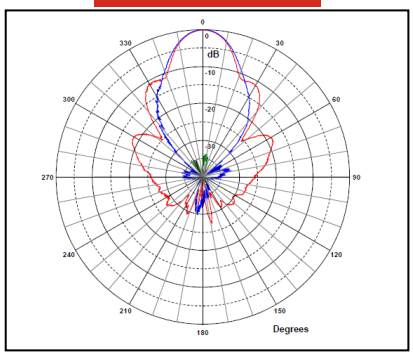


Typical Beamwidth / Radiation Patterns

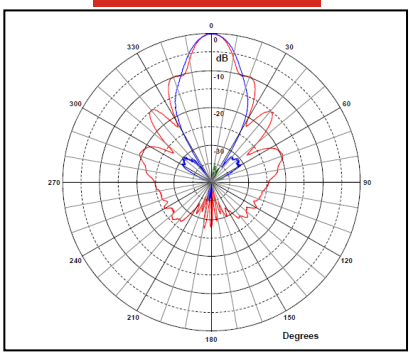




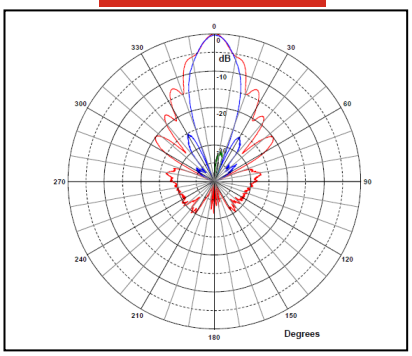
6.0 GHz



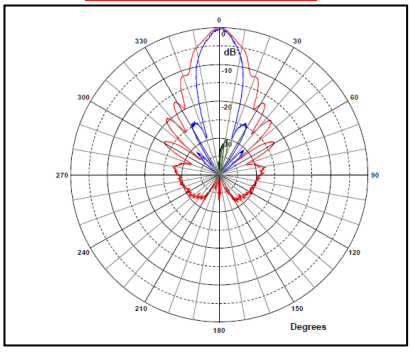
8.0 GHz



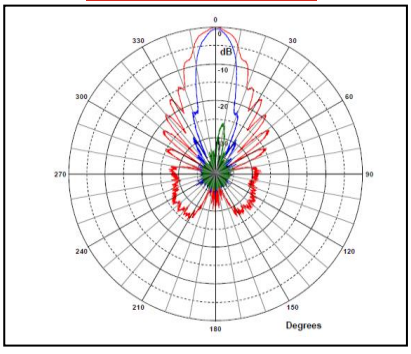
12.0 GHz



14.0 GHz



18.0 GHz



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