1 - 18 GHz Linearly Polarised Wideband Horn Antenna fitted with an SMA type Connector and Lensed Radome

Catalogue number **QWH-SL-1-18-S-SG-L**

Steatite reference **QMS-00061**

Contents

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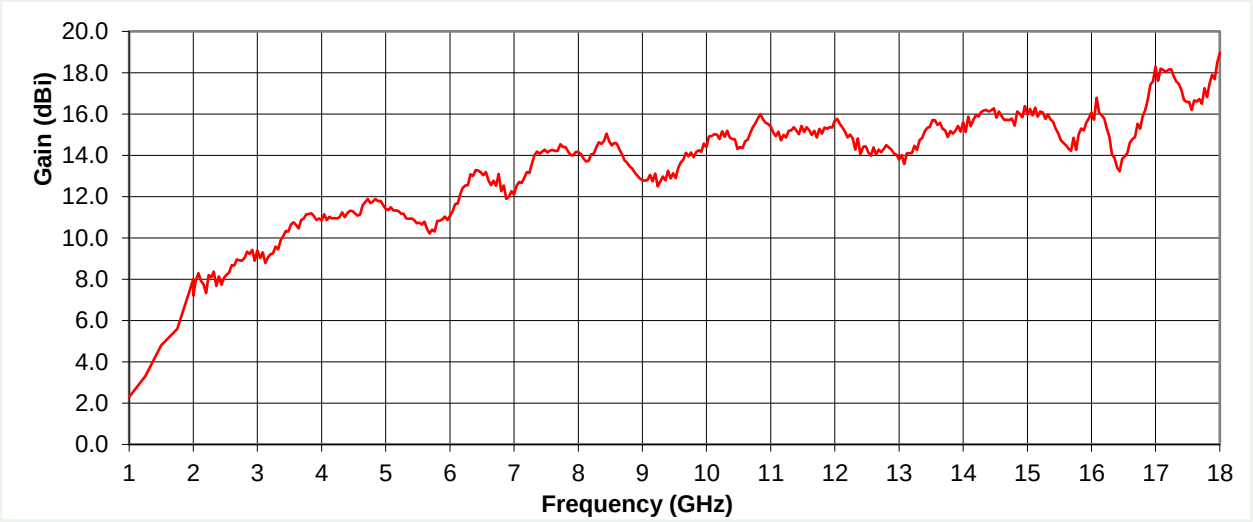
A SOLID STATE COMPANY
ISO 9001 : 2015

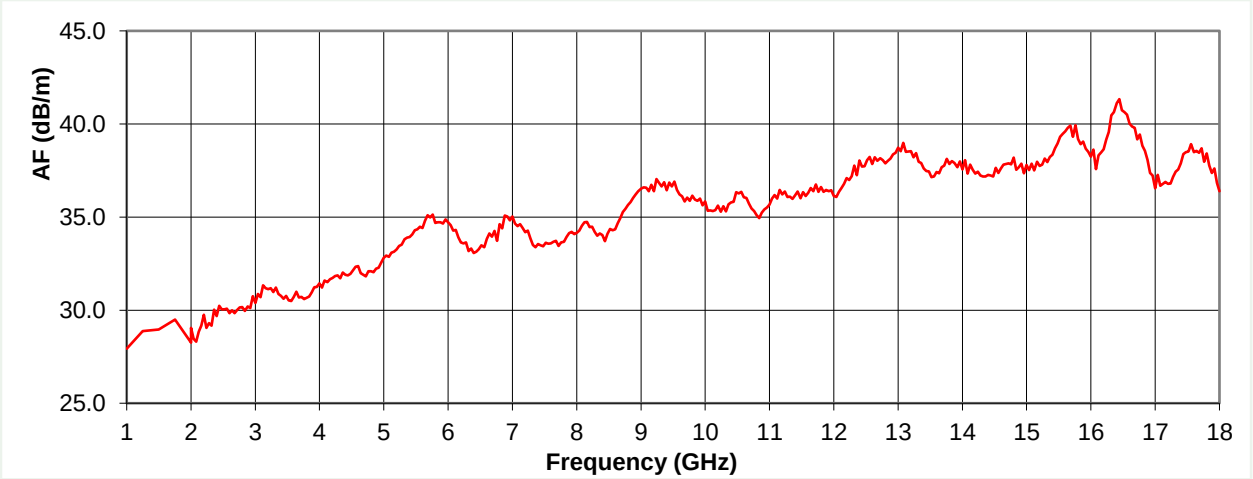
Typical Specification

Frequency	1 to 18 GHz
Connector Type	SMA type jack
Power Handling	40 Watt c.w.
VSWR	Typically < 2:1
Gain	2.3 to 18.9 dBi
Antenna Factor	27.9 to 41.3 dB/m
3dB Beamwidth	12 to 132 degrees
10dB Beamwidth	23 to 181 degrees
Weight	1.17 kg
Maximum Size	110 mm x 117 mm x 180 mm long (incl. connector)
Mounting	2 x M5 tapped holes, 38 mm centres
Construction	Aluminium and engineering plastics

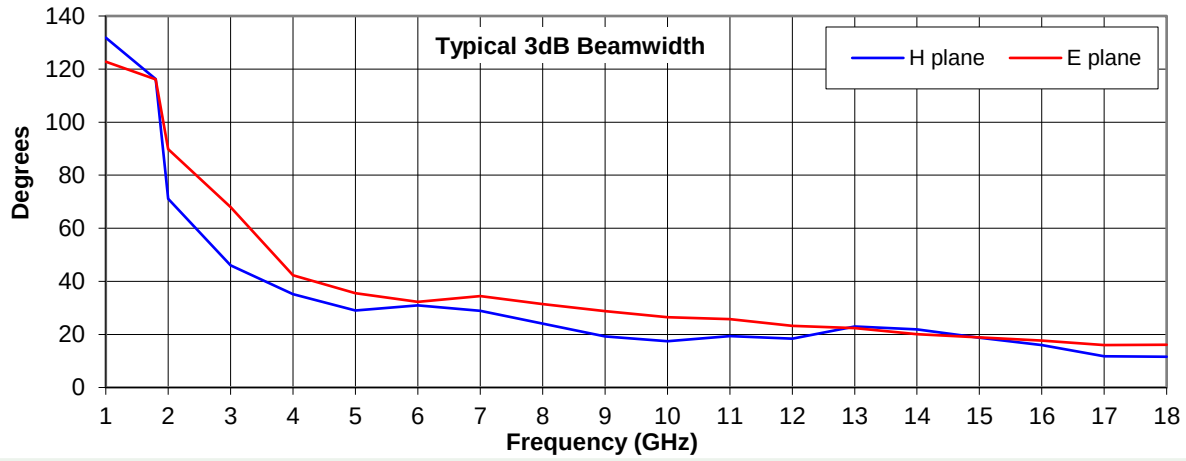
Typical Antenna Gain / Factor

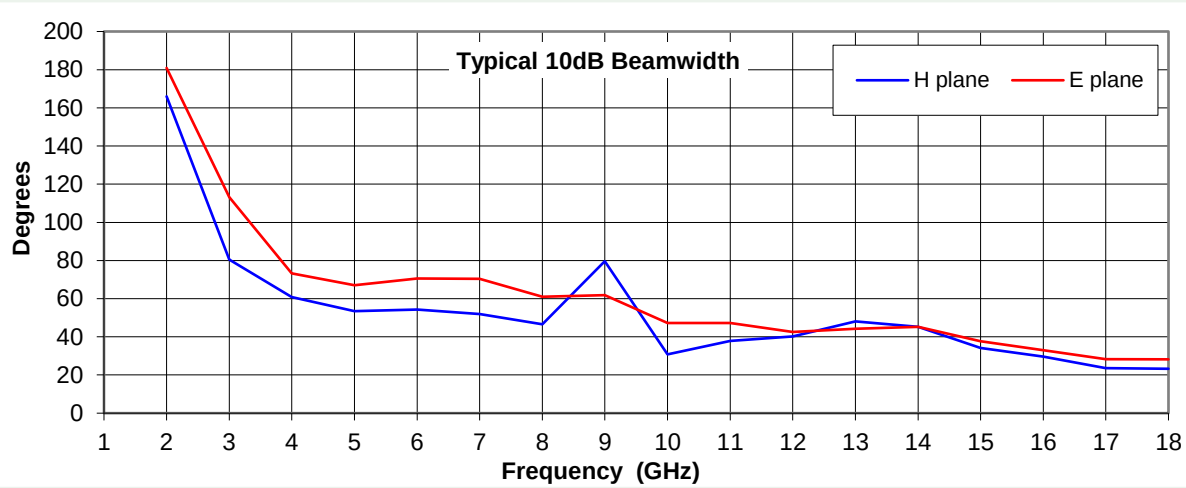
This is calculated by reference to standard gain horn antennas, and cross checked with reference to the antenna beamwidth, with an estimated error of +/- 0.8dB.



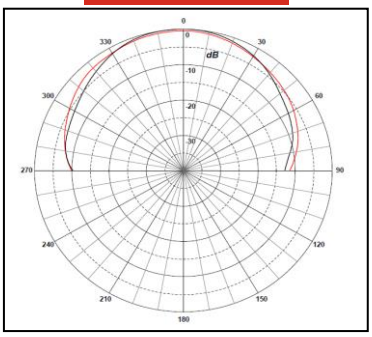


Typical Beamwidth / Radiation Patterns

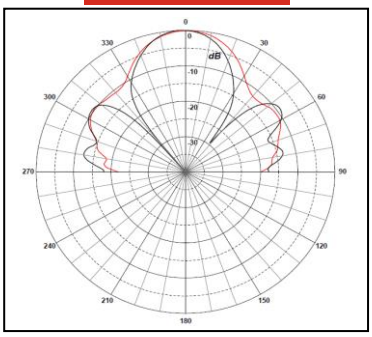




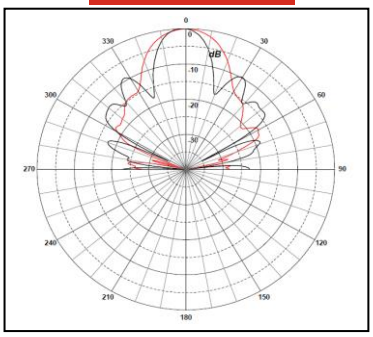
2 GHz



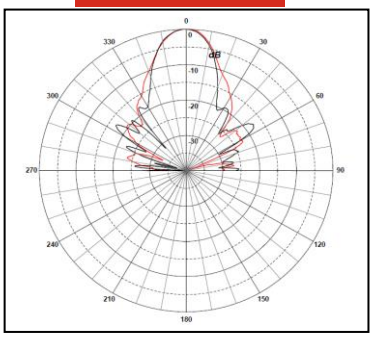
5 GHz



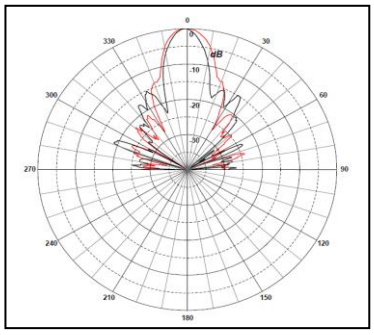
10 GHz



15 GHz



18 GHz



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