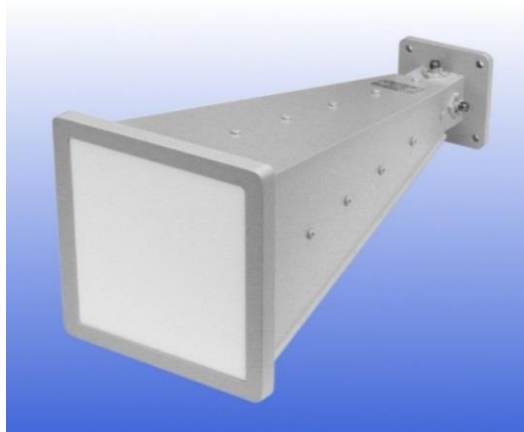


2 - 18 GHz Dual Polar Wideband Horn Antenna fitted with SMA type Connectors and a Radome

Catalogue number **QWH-DL-2-18-S-SG-R**

Steatite reference **QMS-00473**

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



QQD06-2 V7.3

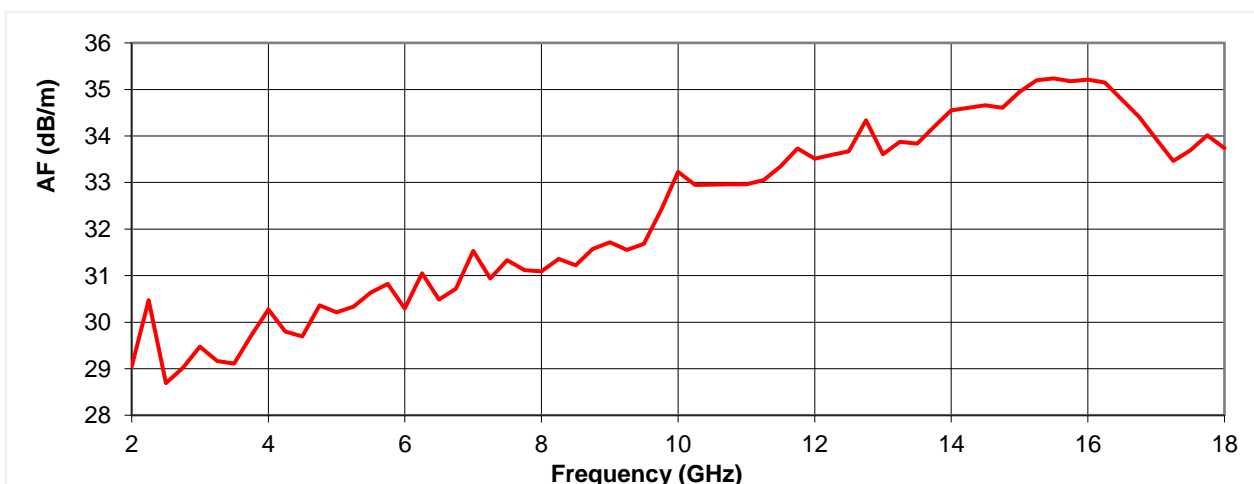
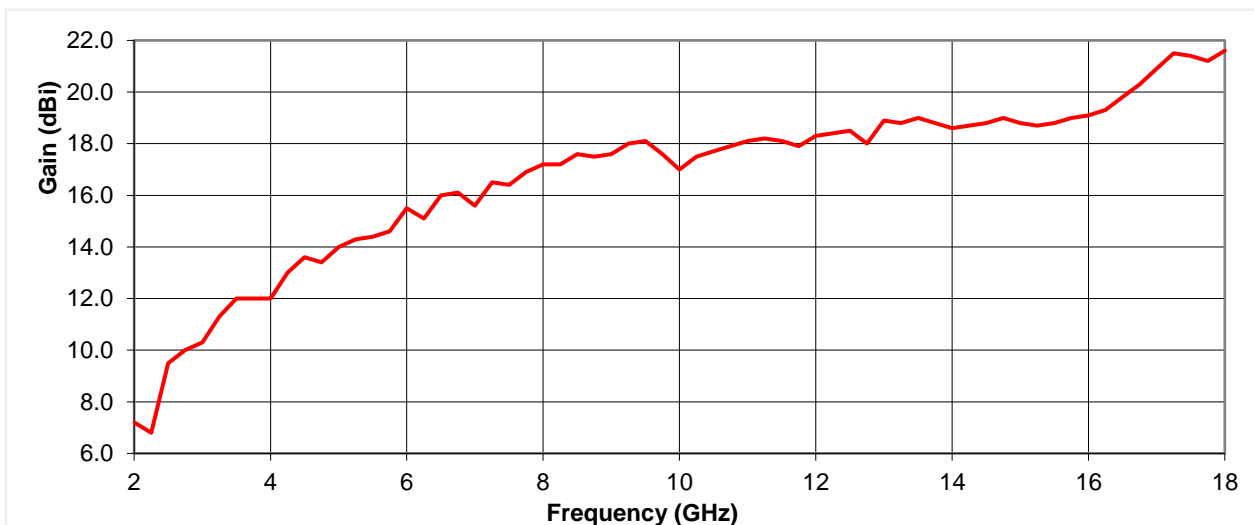
PDM 07/02/2020 8282

Typical Specification

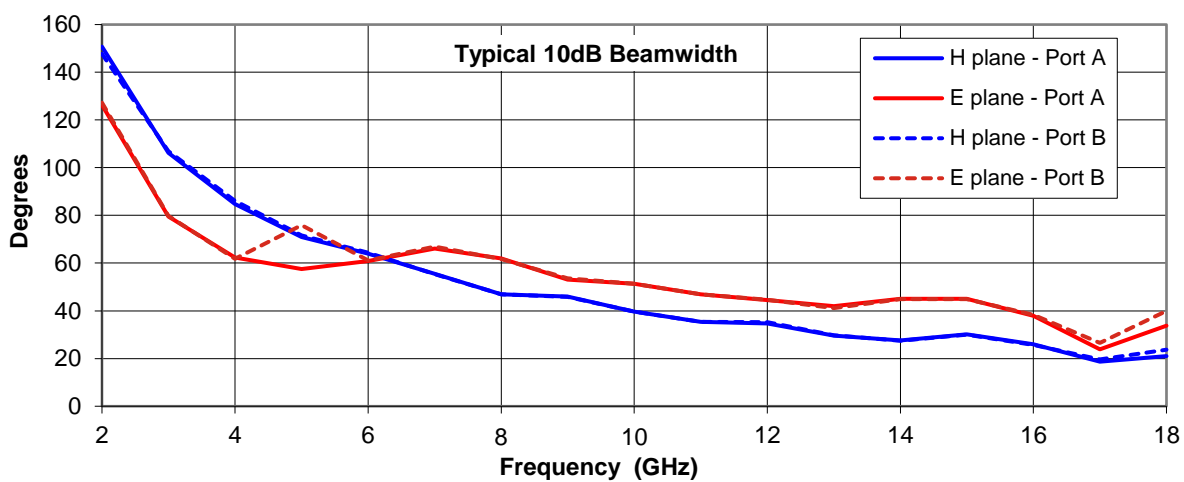
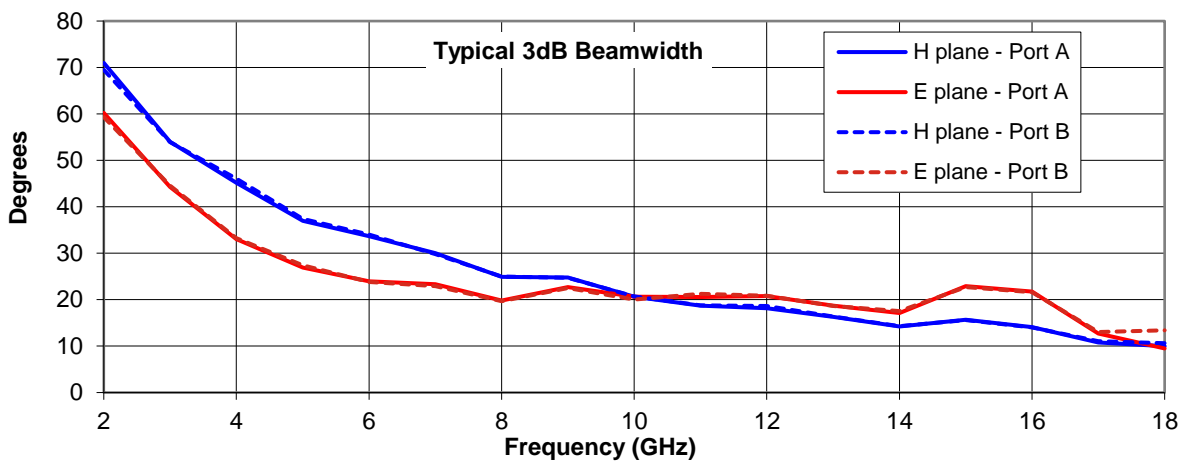
Frequency	2 to 18 GHz
Connector Type	2 x SMA type jack
Power Handling	40 Watt c.w.
VSWR	Typically < 2.5:1 (3-17 GHz), typically <3.0:1 (remaining frequencies)
Gain	6.8 to 21.6 dBi
Antenna Factor	28.7 to 35.2 dB/m
Isolation	Typically > 30 dB (between connectors)
3dB Beamwidth	9.5 to 71 degrees
10dB Beamwidth	19 to 151 degrees
Weight	910 g nominal
Maximum Size	130 mm x 130 mm external aperture x 293 mm long
Mounting	Mounting Plate 64 mm x 64 mm with 4 holes, diameter 5 mm, 50 mm centres
Construction	Composite aluminium and plastic, painted.

Typical Antenna Gain / Factor

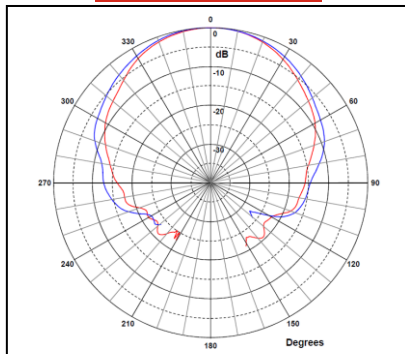
This is calculated by reference to standard gain horn antennas, and cross checked with reference to the antenna beamwidth, with an estimated error of +/- 0.8dB.



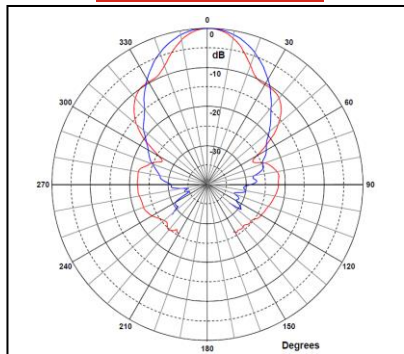
Typical Beamwidth / Radiation Patterns



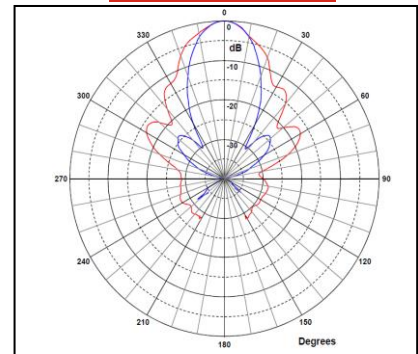
2 GHz



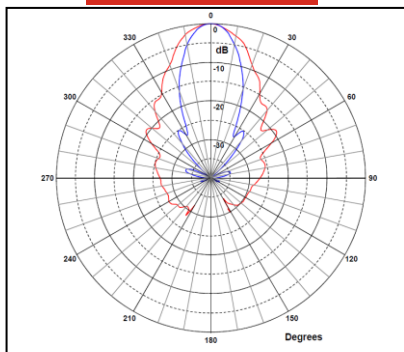
6 GHz



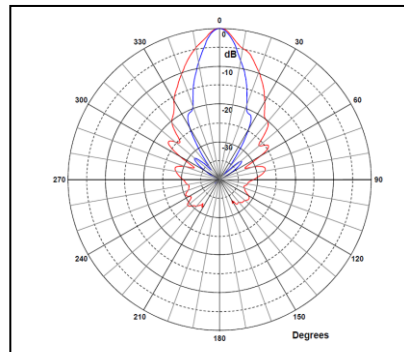
11 GHz



15 GHz



18 GHz



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

