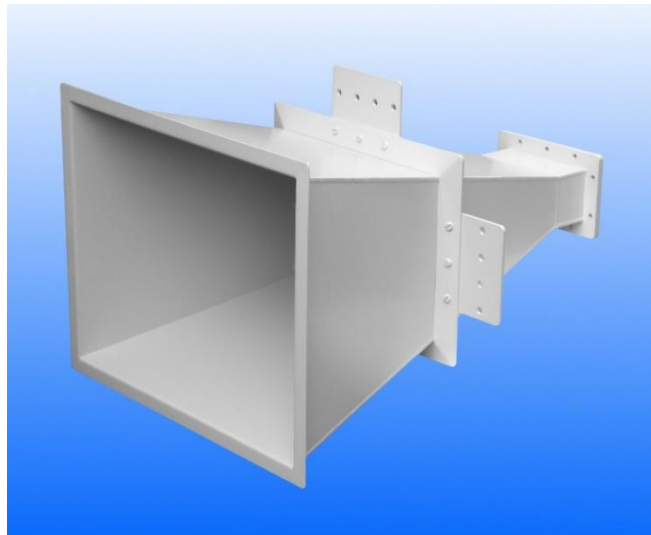


# 1.1 - 1.7 GHz Linearly Polarised 15 dBi Horn Antenna fitted with a WG6 / WR650 Flange

Catalogue number **QSH-SL-1.1-1.7-F-15**

Steatite reference **QMS-00363**

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



QQD06-2 V7.3

PDM 05/12/2019 3198

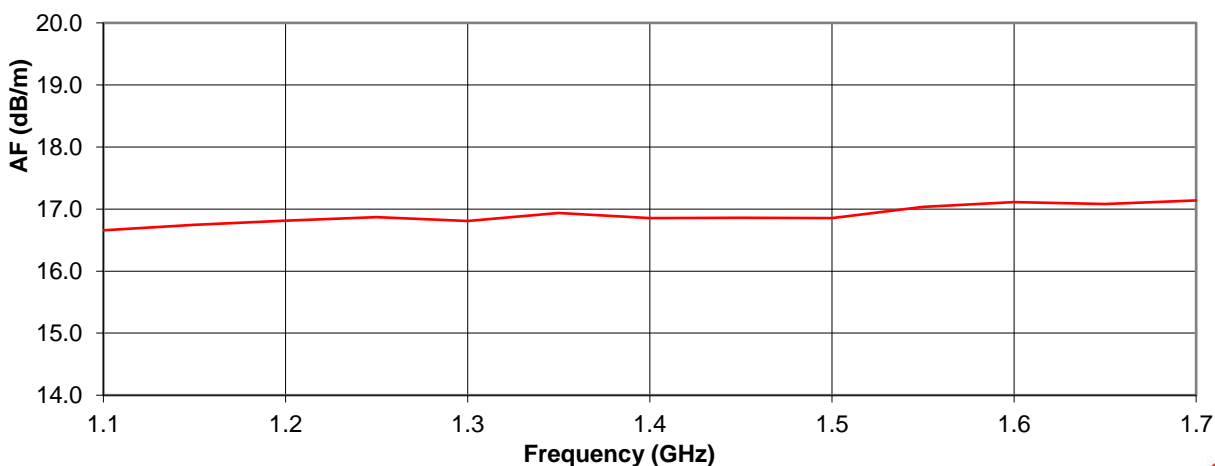
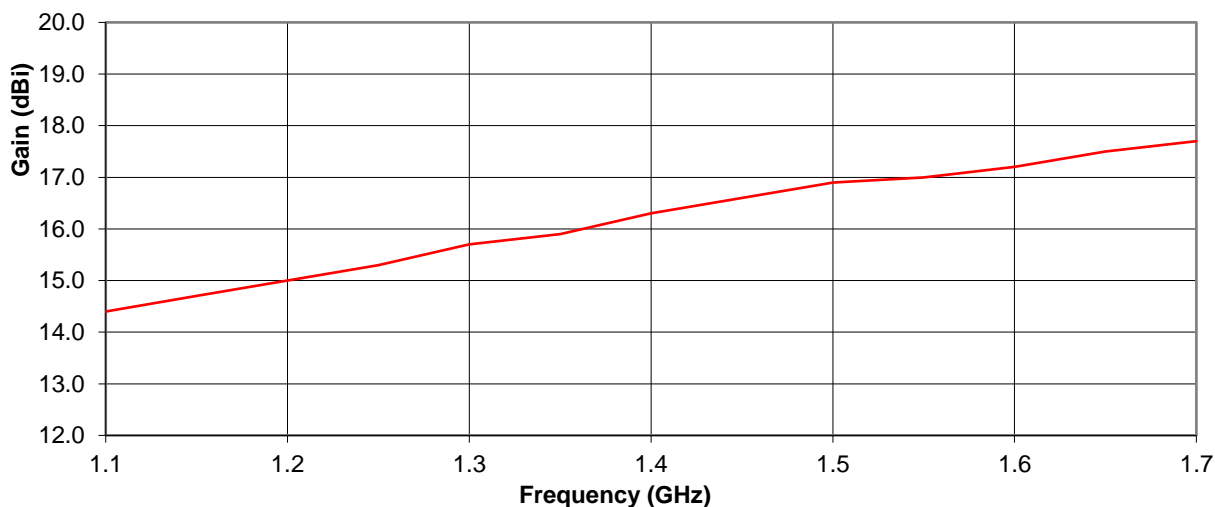


## Typical Specification

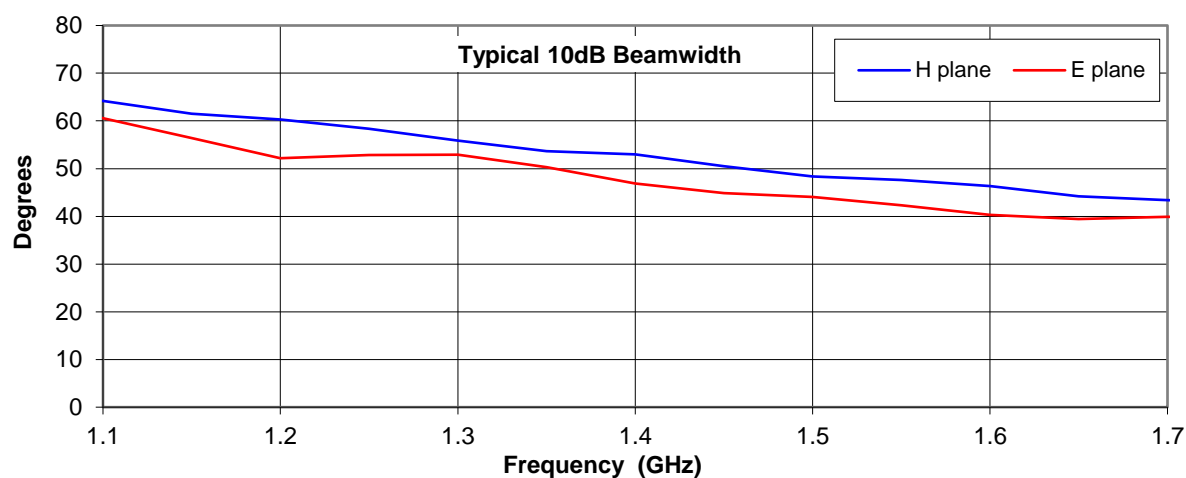
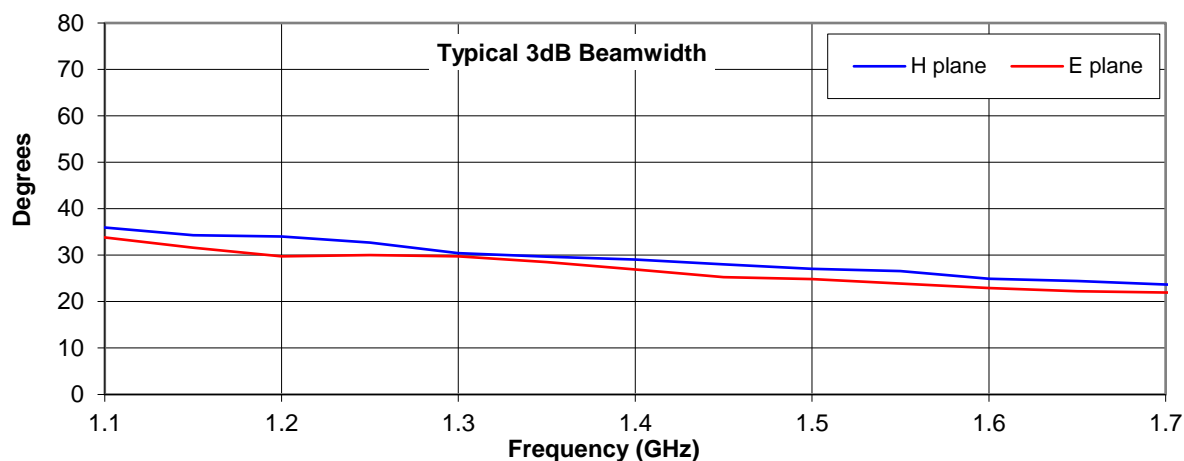
<b>Frequency</b>	1.1 to 1.7 GHz
<b>Connector Type</b>	WG6 Flange UG417B/U
<b>Power Handling</b>	200 kW c.w. 4 MW peak.
<b>VSWR</b>	Typically < 1.2:1
<b>Gain</b>	14.4 to 17.7 dBi
<b>Antenna Factor</b>	16.7 to 17.1 dB/m
<b>3dB Beamwidth</b>	22 to 36 degrees
<b>10dB Beamwidth</b>	39 to 64 degrees
<b>Weight</b>	18.2 kg
<b>Maximum Size</b>	561 mm x 451 mm external aperture x 757 mm long
<b>Mounting</b>	Mounting Plate on 2 sides, at C of G. each having 4 holes, diameter 10 mm, 40 mm centres
<b>Construction</b>	Welded Aluminium. Powdercoat finish.

## Typical Antenna Gain / Factor

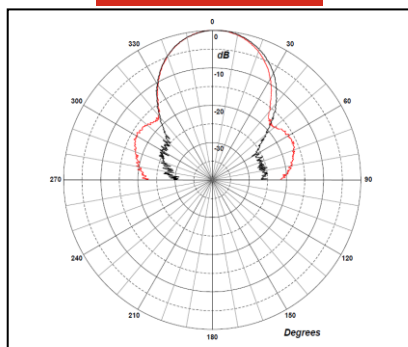
This is calculated by reference to standard gain horn antennas, and cross checked with reference to the antenna beamwidth, with an estimated error of +/- 0.8dB.



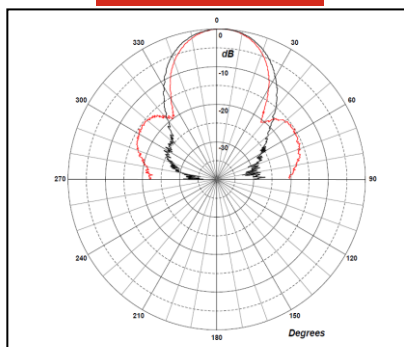
## Typical Beamwidth / Radiation Patterns



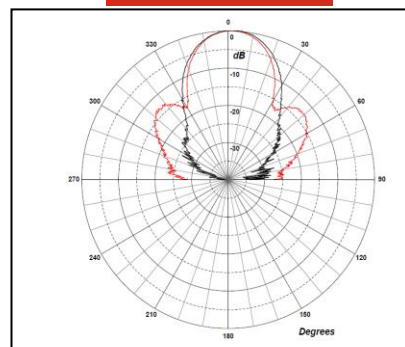
1.1 GHz



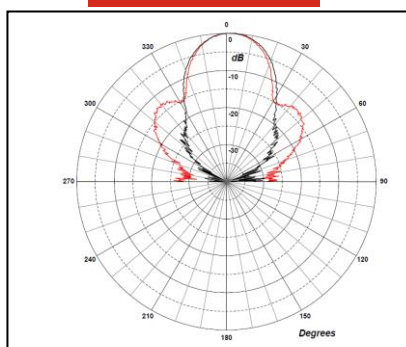
1.2 GHz



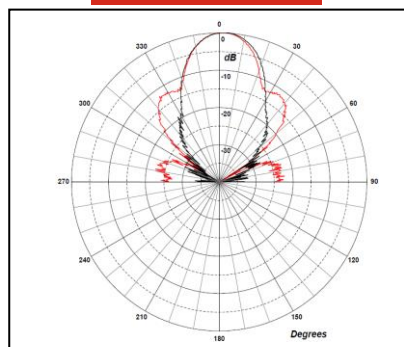
1.4 GHz



1.5 GHz



1.7 GHz



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

