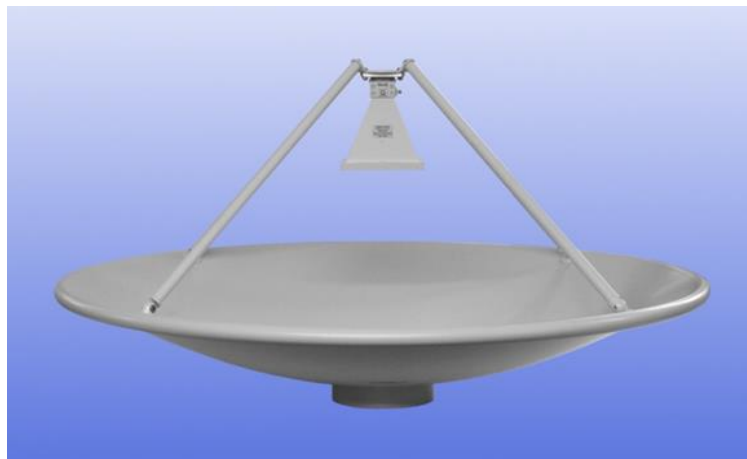


# 0.9 m Aluminium Reflector & 2 - 18 GHz Dual Linearly Polarised Wideband Feed fitted with SMA type Connectors and Radome

Catalogue number **QSR-900-A-337 & QWF-DL-2-18-S-R**

Steatite reference **QMS-00395**

Contents **Summary**  
**Typical Gain / Antenna Factor**  
**Typical Beamwidth / Patterns**  
**VSWR / Port-to-port Isolation**

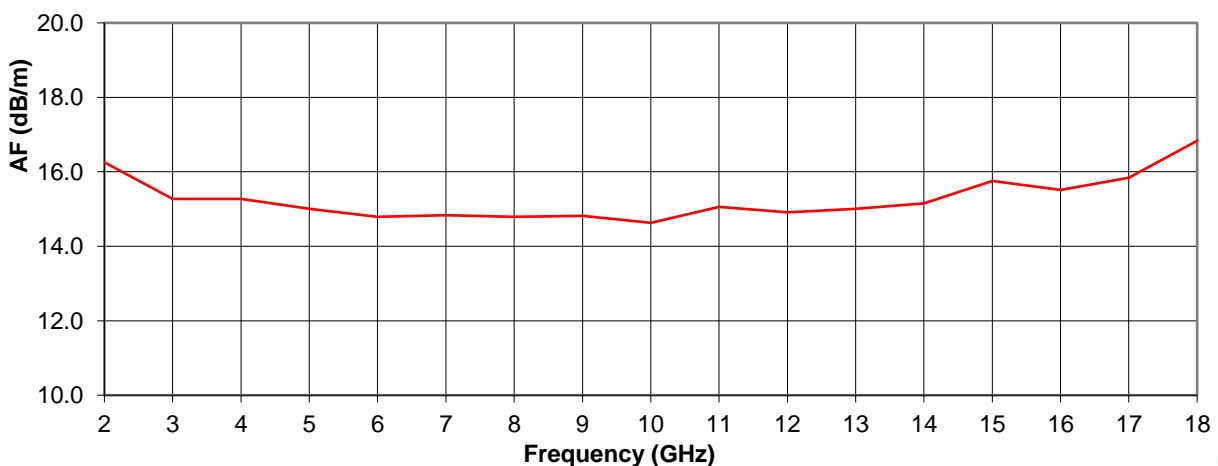
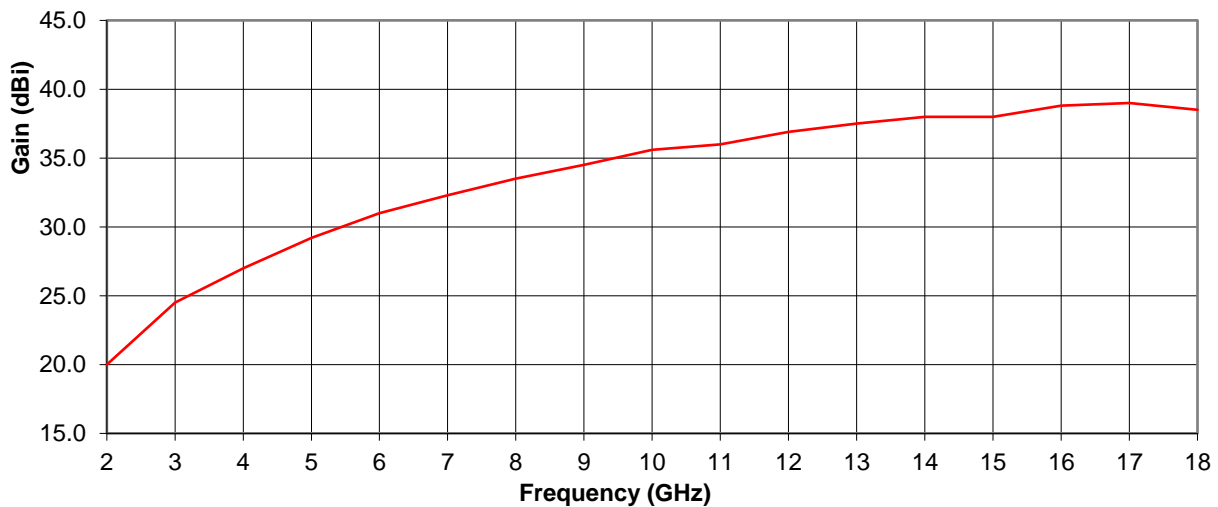


## Typical Specification

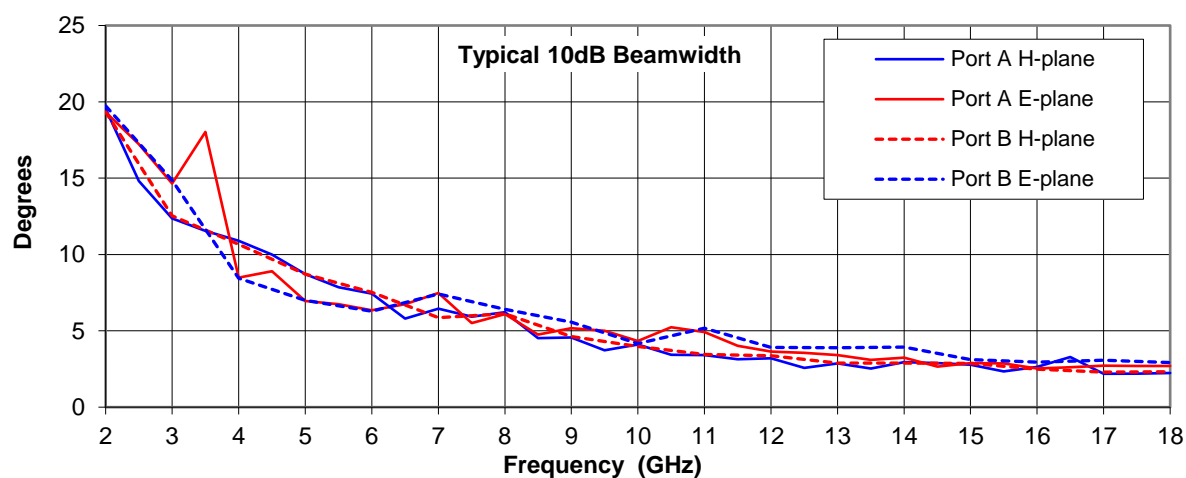
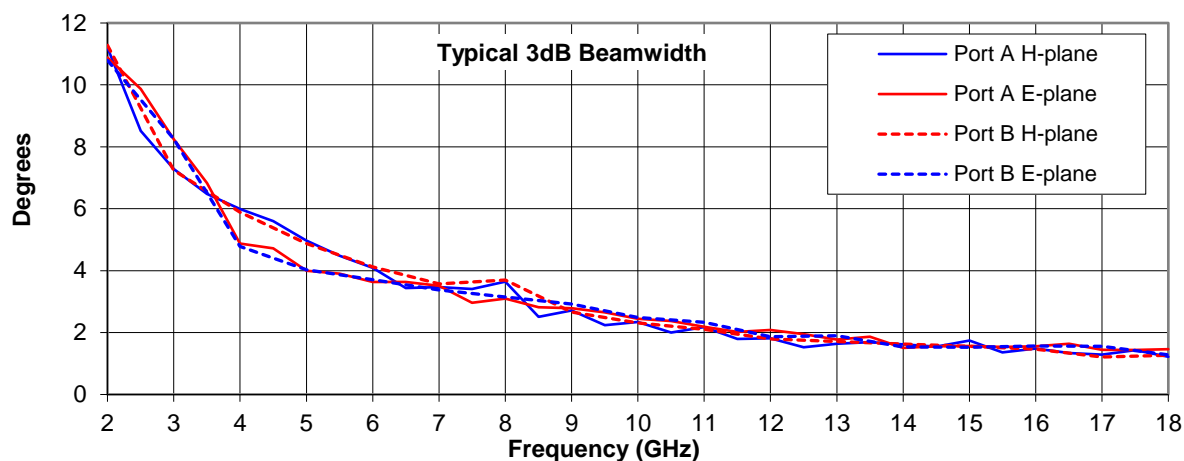
<b>Frequency</b>	2 to 18 GHz
<b>Connector Type</b>	2 x SMA jack
<b>Power Handling</b>	20 Watt c.w.
<b>VSWR</b>	<2.5:1 Typical (4-18GHz), <6:1 maximum (2-4GHz)
<b>Gain</b>	20 to 39 dBi
<b>Antenna Factor</b>	14.6 to 55.3 dB/m
<b>3dB Beamwidth</b>	1.2 to 11.3 degrees
<b>10dB Beamwidth</b>	2.2 to 19.7 degrees
<b>Weight</b>	7.8 kg nominal
<b>Maximum Size</b>	Reflector diameter 935 mm
<b>Isolation</b>	>25 dB (between connectors)
<b>Mounting</b>	8 holes, tapped M6 on 125 mm pitch circle diameter.
<b>Construction</b>	Reflector: Aluminium, powdercoat finish. Feed: Aluminium and engineering plastics, painted.

## Typical Antenna Gain / Factor

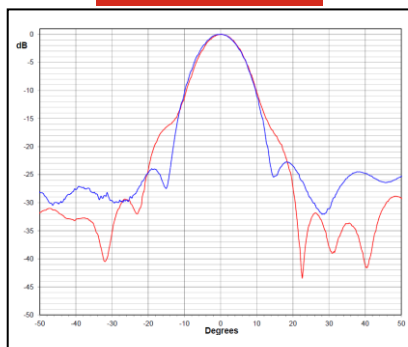
This is calculated by reference to standard gain horn antennas, and cross checked with reference to the antenna beamwidth, with an estimated error of +/- 0.8dB.



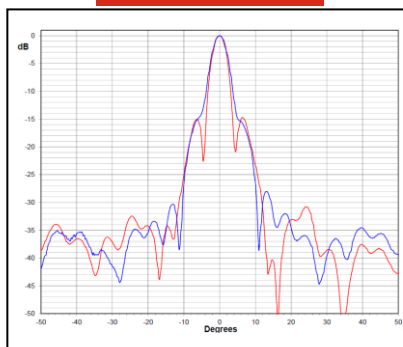
## Typical Beamwidth / Radiation Patterns



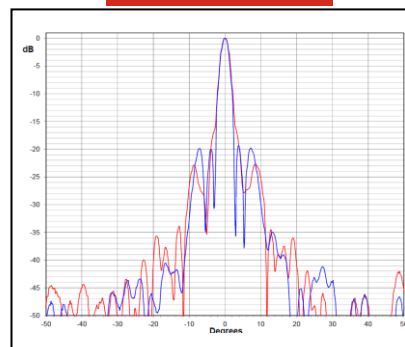
2 GHz



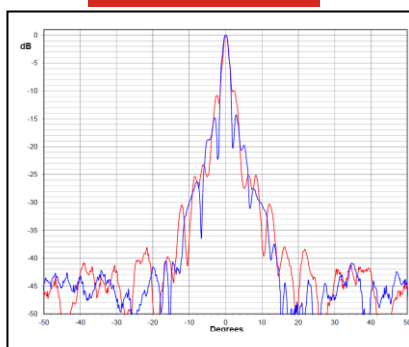
6 GHz



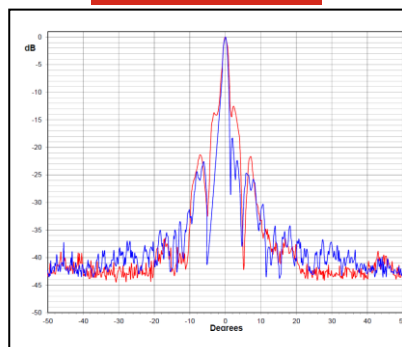
10 GHz



14 GHz



18 GHz



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

