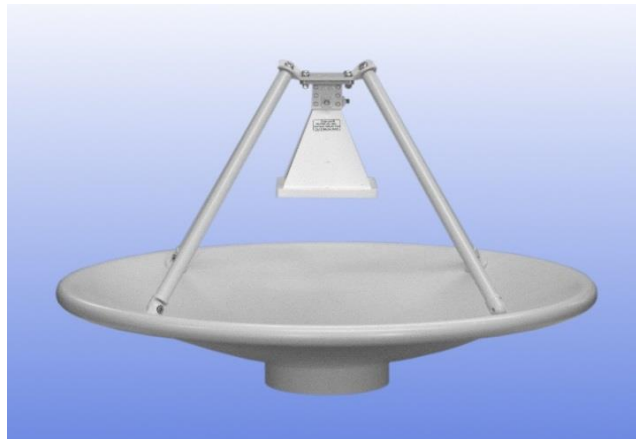


# 0.6 m Aluminium Reflector & 2 - 18 GHz Dual Polar Wideband Feed fitted with SMA type Connectors and a Radome

Catalogue number **QSR-600-A-228 & QWF-DL-2-18-S-R**

Steatite reference **QMS-00400**

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

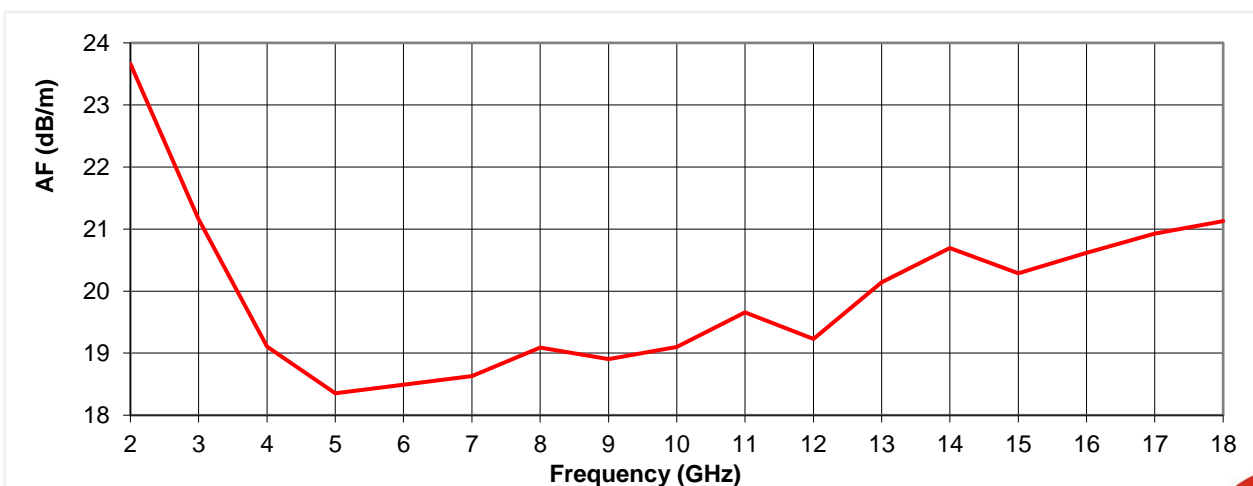
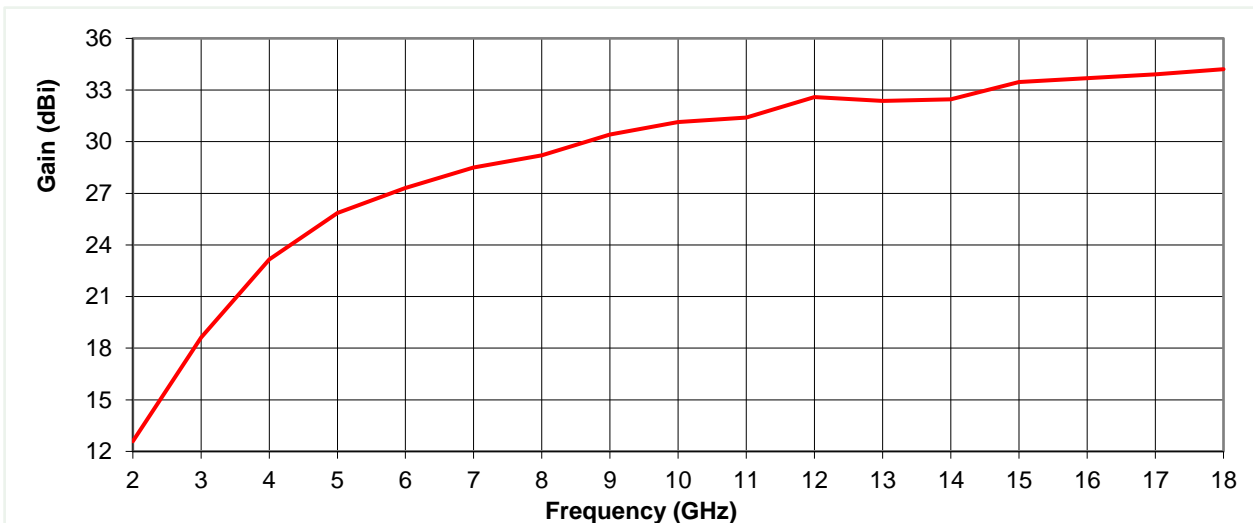


## Typical Specification

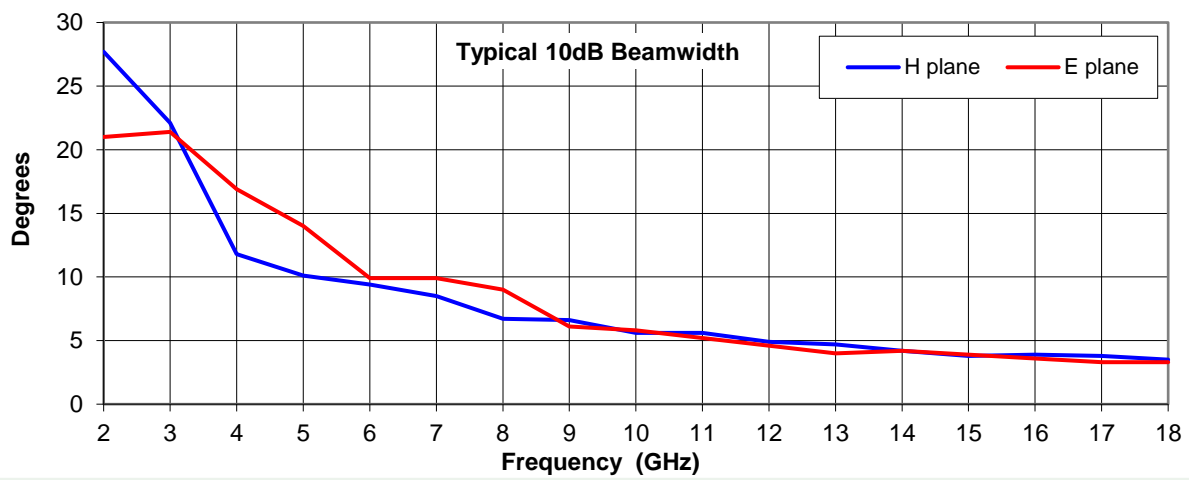
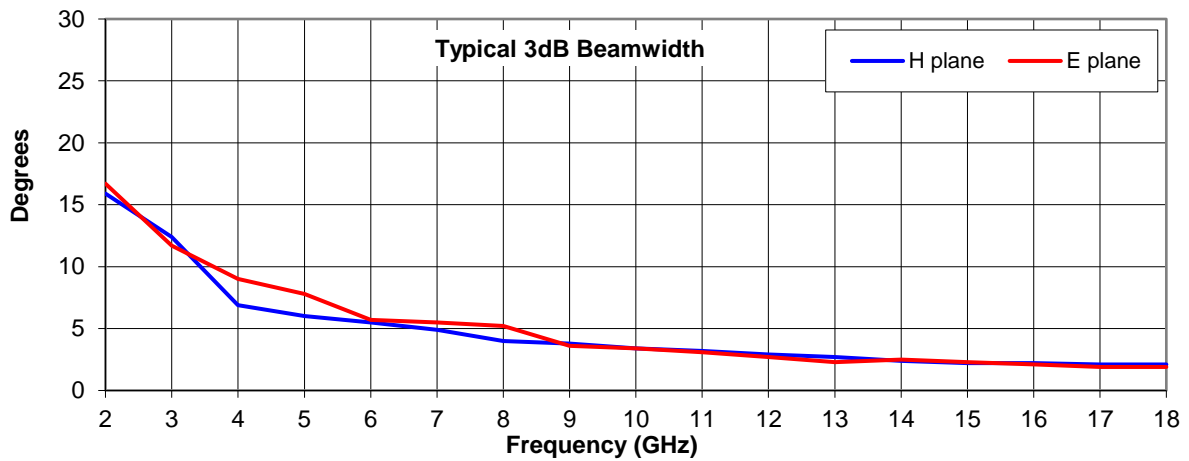
<b>Frequency</b>	2 to 18 GHz
<b>Connector Type</b>	SMA jack
<b>Power Handling</b>	20 W c.w.
<b>VSWR</b>	Typically < 3:1
<b>Isolation</b>	Typically >25dB between ports
<b>Gain</b>	12.6 to 34.2 dBi
<b>Antenna Factor</b>	18.4 to 23.7 dB/m
<b>3dB Beamwidth</b>	2 to 17 degrees
<b>10dB Beamwidth</b>	3 to 28 degrees
<b>Weight</b>	5.3 kg
<b>Maximum Size</b>	Reflector diameter 640 mm
<b>Mounting</b>	Rear facing boss with eight holes, tapped M6 on 125 mm pitch circle diameter.
<b>Construction</b>	Aluminium, stainless steel and engineering plastics.

## Typical Antenna Gain / Factor

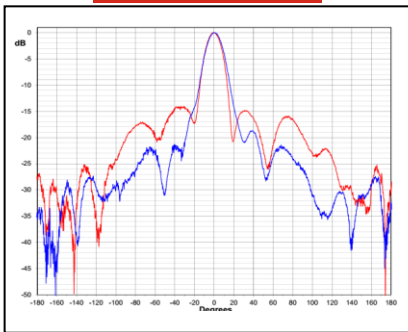
This is calculated by reference to standard gain horn antennas, and cross checked with reference to the antenna beamwidth, with an estimated error of +/- 0.8dB.



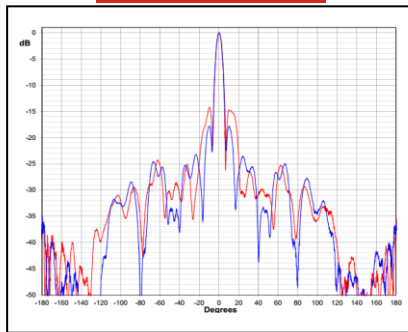
## Typical Beamwidth / Radiation Patterns



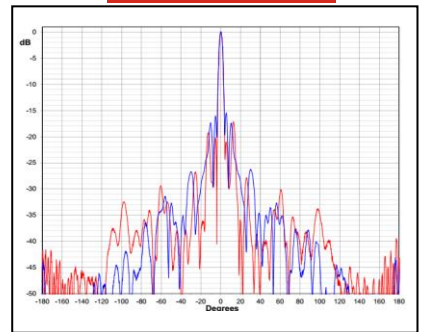
**2 GHz**



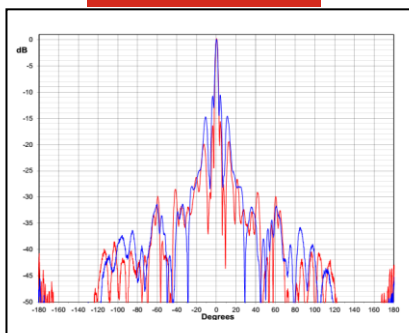
**6 GHz**



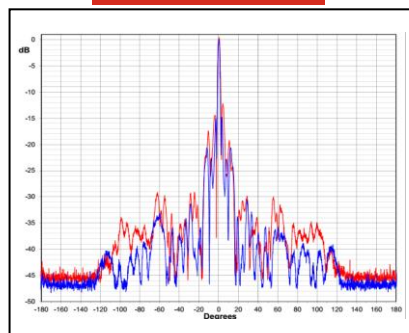
**10 GHz**



**14 GHz**



**18 GHz**



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

