

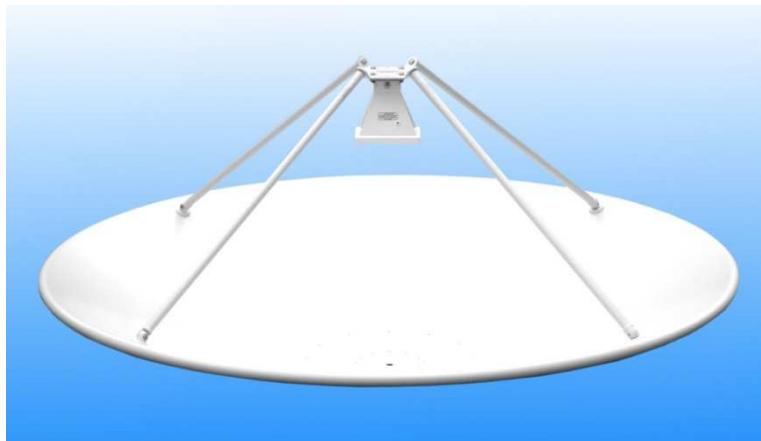


## 1.2 m Aluminium Reflector & 2 - 18 GHz Wideband Feed fitted with an SMA type Connector and Radome

Catalogue number **QSR-1200-A-457 & QWF-SL-2-18-S-R**

Q-par reference **QMS-00011**

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



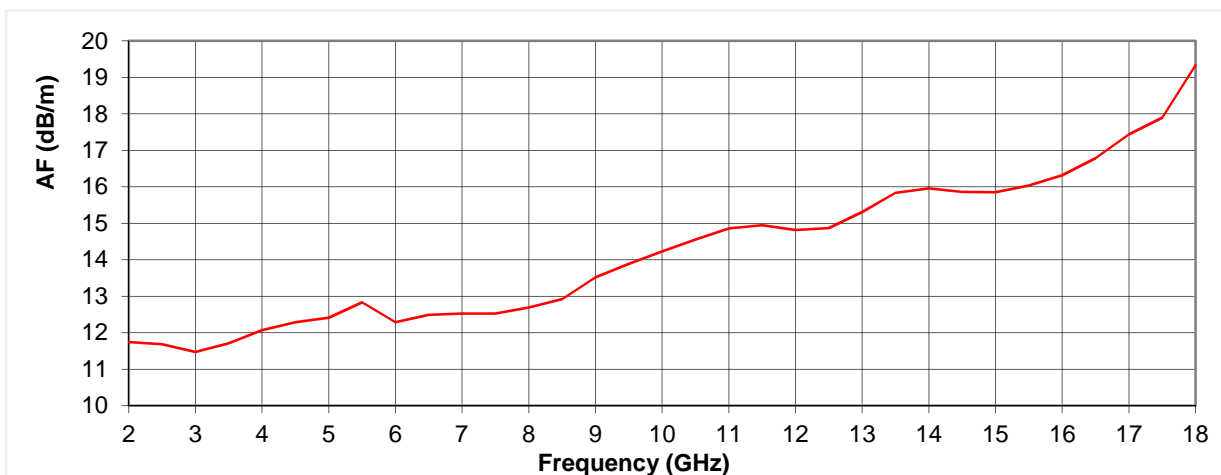
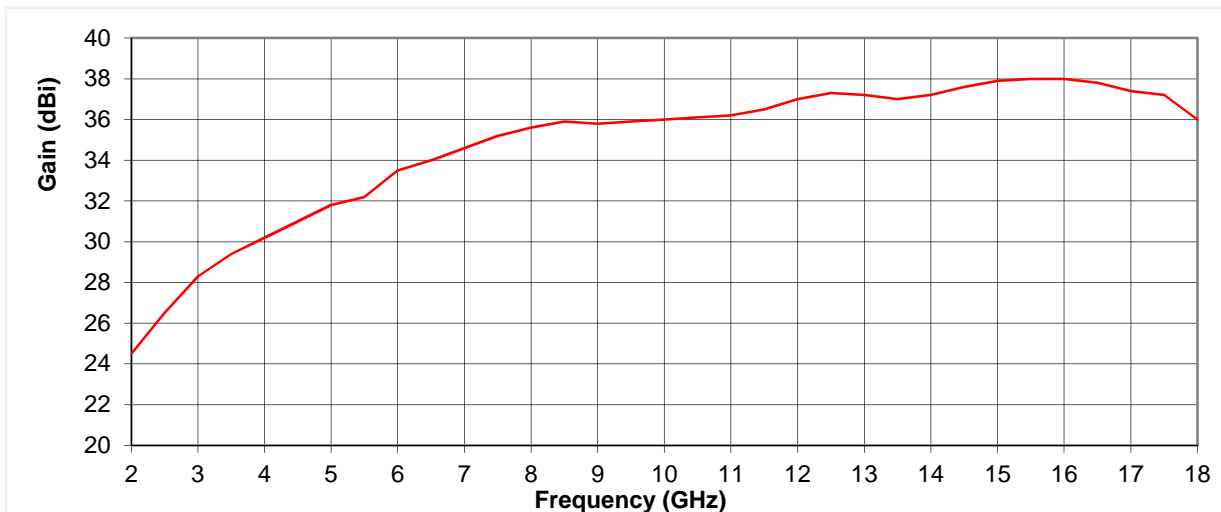
Typical photograph. Finish according to customer specifications.

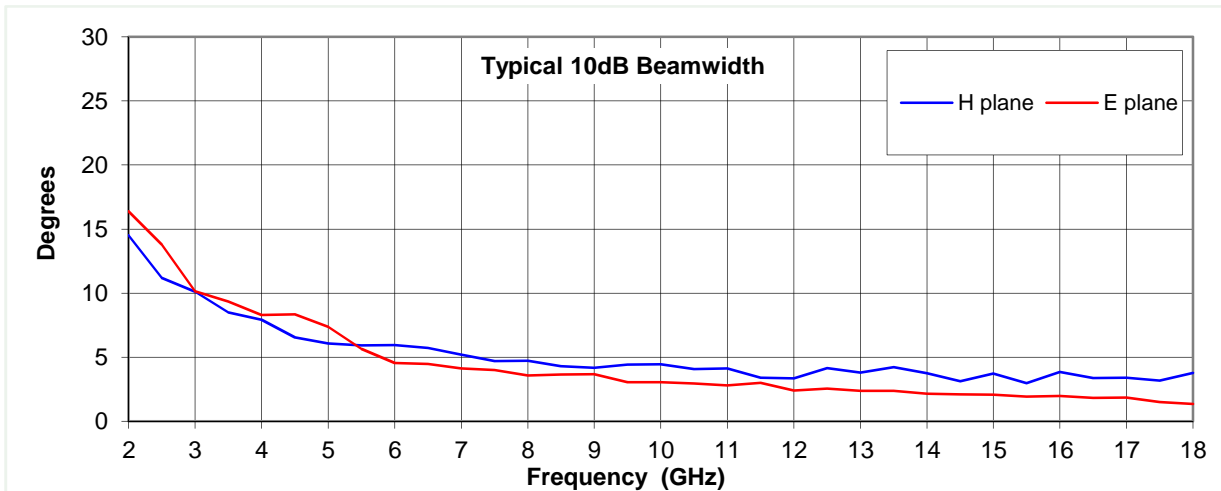
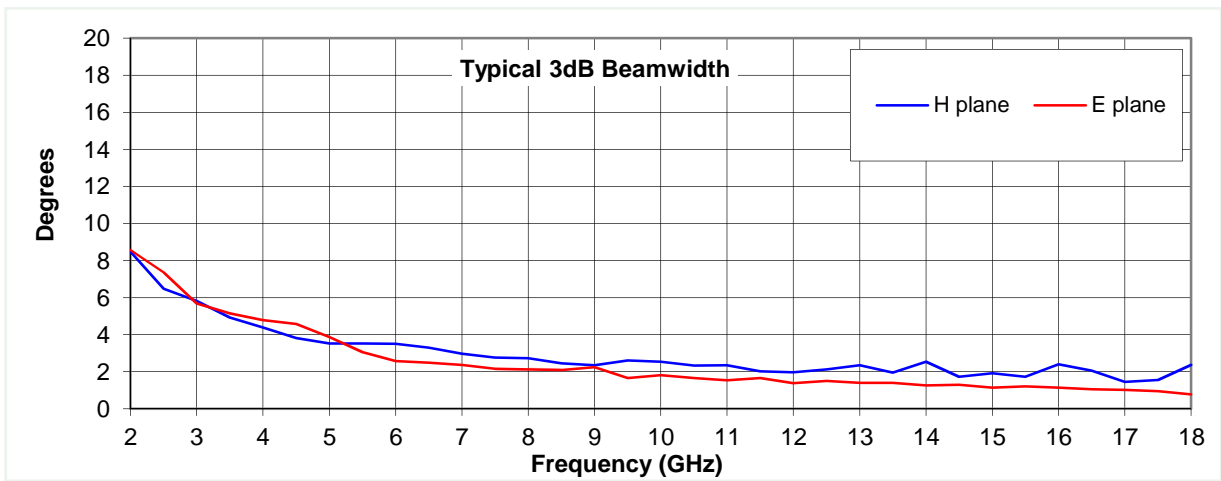
## Typical Specification

<b>Frequency</b>	2 to 18 GHz
<b>Connector Type</b>	SMA type jack
<b>Power Handling</b>	20 Watt c.w.
<b>VSWR</b>	Typicaly < 2.5 : 1
<b>Gain</b>	24.5 to 38 dBi
<b>Antenna Factor</b>	11.5 to 19.3 dB/m
<b>3dB Beamwidth</b>	0.8 to 8.6 degrees
<b>10dB Beamwidth</b>	1.3 to 16 degrees
<b>Weight</b>	12.5 kg
<b>Maximum Size</b>	Reflector diameter 1230 mm
<b>Reflector F/D</b>	0.38
<b>Mounting</b>	8 holes, tapped M6, 125 mm pitch circle diameter.
<b>Construction</b>	Aluminium, stainless steel and engineering composites.

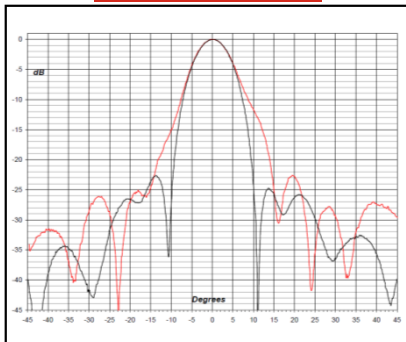
## Typical Antenna Gain / Factor

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.

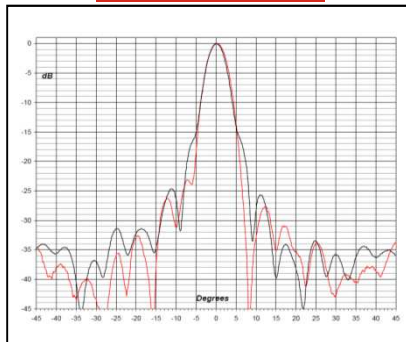




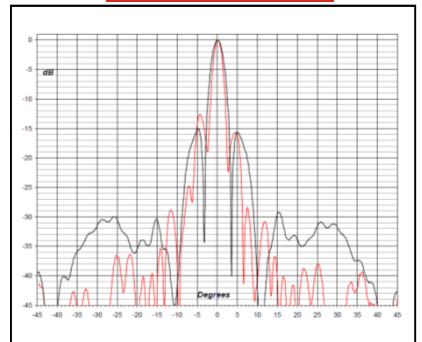
**2 GHz**



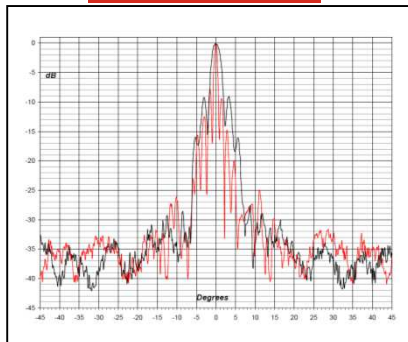
**4 GHz**



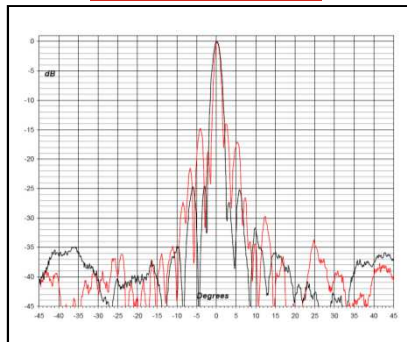
**8 GHz**



**12 GHz**



**18 GHz**



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

