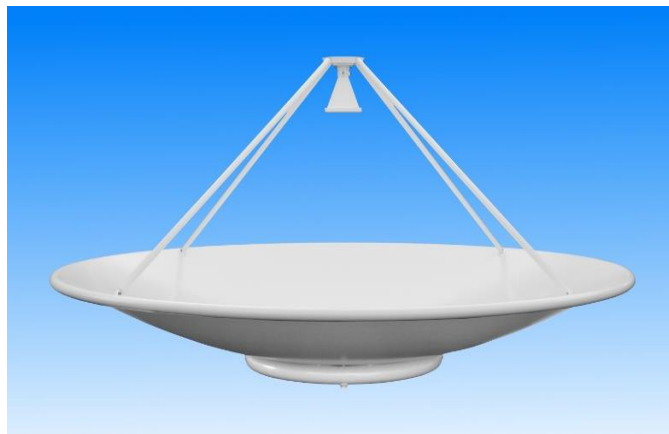


# 1.8 m Aluminium Reflector & 2 - 18 GHz Dual Polar Wideband Feed fitted with SMA type Connectors and a Radome

Catalogue number **QSR-1800-A-755 & QWF-DL-2-18-S-R**

Q-par reference **QMS-00300**

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



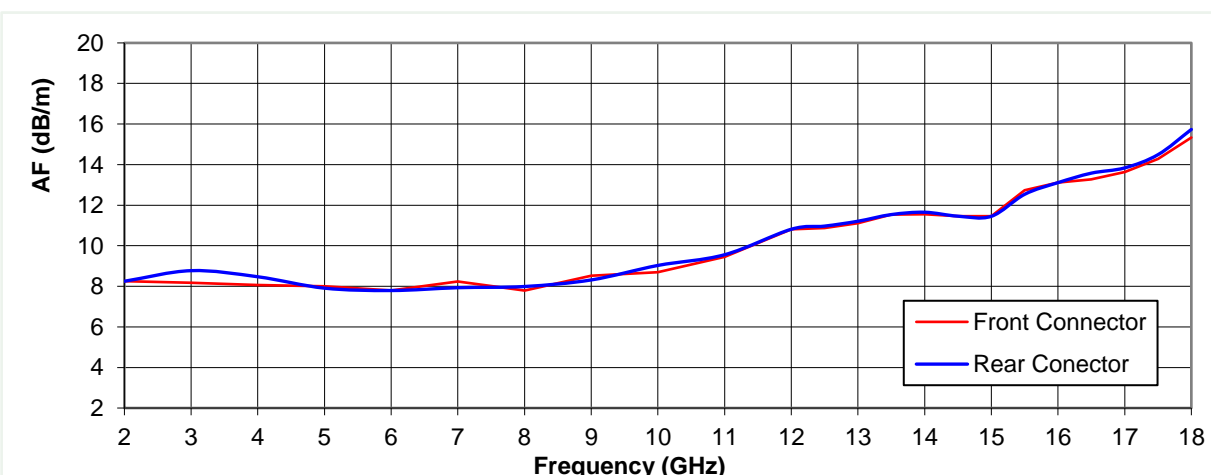
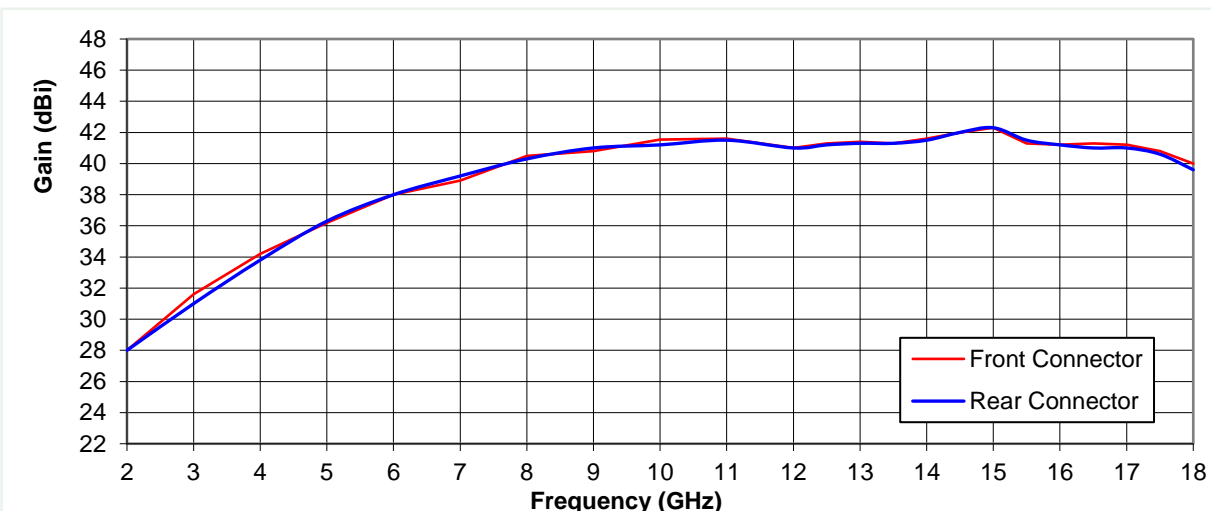
Typical photograph. Finish according to customer specifications.

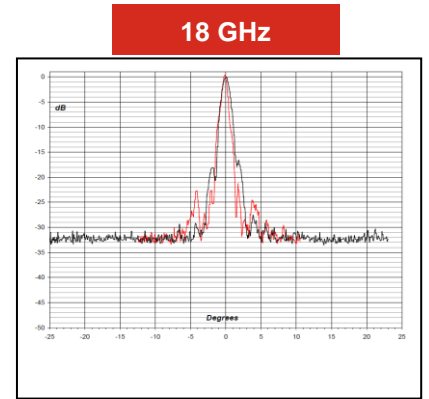
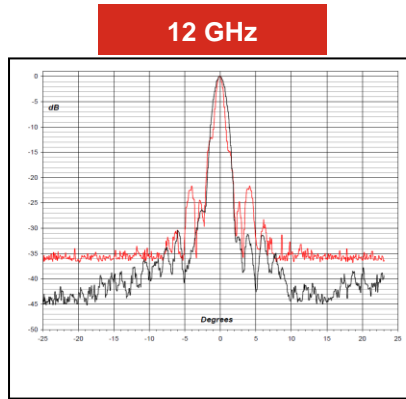
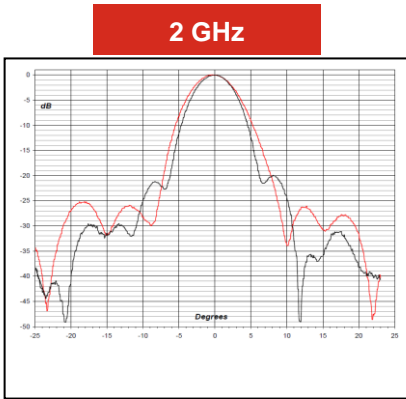
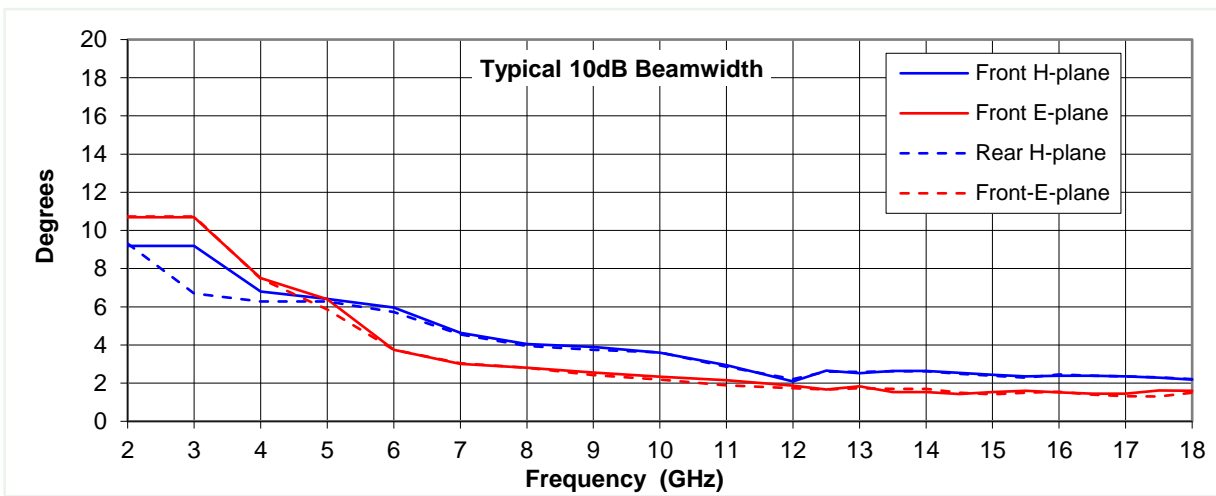
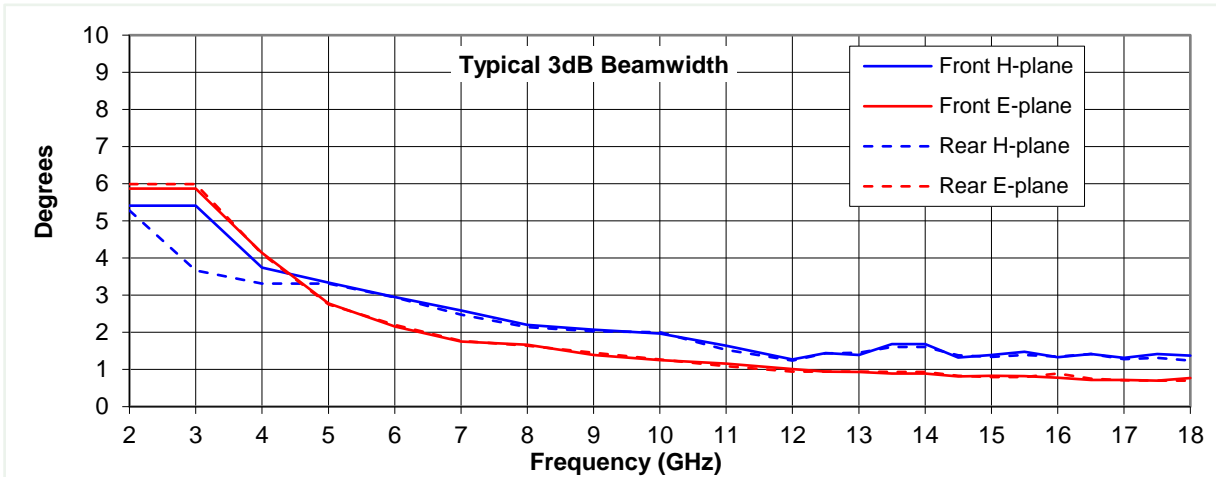
## Typical Specification

<b>Frequency</b>	2 to 18 GHz
<b>Connector Type</b>	2 x SMA type jack
<b>Power Handling</b>	40W CW
<b>VSWR</b>	Typically <2.5:1
<b>Gain</b>	28 to 42.3 dBi
<b>Antenna Factor</b>	7.8 to 15.3 dB/m
<b>3dB Beamwidth</b>	1 to 6 degrees
<b>10dB Beamwidth</b>	1 to 11 degrees
<b>Weight</b>	25 kg nominal
<b>Maximum Size</b>	Reflector diameter 1846 mm nominal
<b>Mounting</b>	See drawing QMS-00300
<b>Construction</b>	Spun aluminium reflector. 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.





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